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Deutsches Institut
für Wirtschaftsforschung

Monitoring internationaler Erfahrungen im Bereich der Verkehrstelematik

Materialienband

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Zusammenfassung

Der Bericht enthält die ausgewerteten Materialien insbesondere zu den im vierten und fünften Forschungsrahmenprogramm der Europäischen Union geförderten Projekten mit dem Themenschwerpunkt ‚Verkehr'. Neben einer umfassenden Zusammenstellung von Links zu verkehrsspezifischen Informationen und Veröffentlichungen der europäischen Union und nationaler Staaten wie Deutschland, Großbritannien, den Niederlanden, Norwegen, Österreich, Schweden und der Schweiz, enthält der Materialenband auch Informationen zu Verkehrsprojekten in US-amerikanischen und australischen Ballungsräumen.

Die bisher vorliegenden Auswertungen und Ergebnisse des Arbeitsschritts ‚*Monitoring verkehrspolitischer Aktivitäten'* in verschiedenen Ländern sind in FZKA 7055 veröffentlicht.

Zur Durchführung der Arbeiten für eine vergleichende Analyse von Innovationsstrategien im internationalen Bereich wurde auch auf Basis der hier vorliegenden Informationen Staaten identifiziert, in denen Erfahrungen aus einschlägigen Projekten vorliegen, die Hinweise auf Aspekte der Einführung und der Wirkungsweise von verkehrsbezogenen Verkehrstelematiksysteme liefern können. Da im Rahmen der Studie nicht alle in Frage kommenden Länder untersucht werden konnten, wurde eine Beschränkung auf die oben genannten europäischen Staaten, national übergreifende Projekte der Europäischen Union (EU), die USA und Australien vorgenommen. Zudem werden auch Road Pricing Systeme in Singapur und Hongkong betrachtet.

Monitoring of international experiences in the field of transport telematics

Abstract

This report covers in particular materials affecting information on transport relevant projects of the fourth and fifth Framework Research Programme of the European Union. Beneath a comprehensive compilation of links to information and publications of the European Union and different European countries like Germany, Great Britain; the Netherlands, Norway, Austria, Sweden, and Switzerland there are information on transport related projects for conglomeration areas in the U.S.A. and Australia.
For the working package *"Monitoring of Transport Policy Activities in Different Countries"* an overview of the results of the analysis at this state is published in the report FZKA 7055.
Based on these information countries with experiences in development, introduction and deployment of different Intelligent Transportation Systems (ITS) from respective projects were identified to perform the comparative analysis. Within the framework of the study it was necessary to restrict the analysis to multinational projects of the European Union (EU), selected European countries (as named above), the USA and Australia. In addition road pricing projects in Singapore and Hong Kong are examined.

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EUROPA

PROJEKTE DES ZWEITEN FORSCHUNGSRAHMENPROGRAMMS (1987 - 1991)

PROJEKTE DES DRITTEN FORSCHUNGSRAHMENPROGRAMMS (1990 - 1994)

PROJEKTE DES VIERTEN FORSCHUNGSRAHMENPROGRAMMS (1994 - 1998)

PROGRAMM ‚TELEMATIC APPLICATIONS PROGRAMME-TRANSPORT'

PROGRAMM ‚TRANSPORT'

PROJEKTE DES FÜNFTEN FORSCHUNGSRAHMENPROGRAMMS (1998 - 2002)

PROGRAMM ‚IST'

PROGRAMM ‚GROWTH'

PROGRAMM ‚EESD'

PROJEKTE DES SECHSTEN FORSCHUNGSRAHMENPROGRAMMS (2002 - 2006)

USA

AUSTRALIEN

ABBILDUNGSVERZEICHNIS

Zielsetzung und Vorgehensweise

Das Projekt *„Vergleichende Analyse von Innovationsstrategien für neue Techniken und Dienste zur Erreichung einer 'nachhaltigen Entwicklung' im Verkehr*“ wird mit Unterstützung des Bundesministeriums für Forschung und Technologie, Förderkennzeichen 19 M 2006, durchgeführt. Der zu diesem Materialienband gehörige Bericht (FZKA 7055) beschreibt die bisherigen Ergebnisse der ersten Arbeitsschritte *Monitoring verkehrspolitischer Aktivitäten* (AP1) und *Durchführung von Expertenbefragungen zur Realisierung neuer Techniken und Dienste im Ballungsraumverkehr* (AP3) in verschiedenen Ländern. Zur Durchführung der Arbeiten für eine vergleichende Analyse von Innovationsstrategien im internationalen Bereich war es zunächst notwendig, Staaten zu identifizieren, in denen Erfahrungen aus einschlägigen Projekten vorliegen, die Hinweise auf Aspekte der Einführung und der Wirkungsweise von verkehrsbezogenen Telematiksystemen liefern können. Da im Rahmen der Studie nicht alle in Frage kommenden Länder untersucht werden konnten, wurde eine Beschränkung auf europäische Staaten, national übergreifende Projekte der Europäischen Union (EU), die USA und Australien vorgenommen. Zudem werden auch Road Pricing Systeme in Singapur und Hongkong betrachtet.

Grundsätzliche methodische Vorgehensweise

Technische Innovationen sind die großen Hoffnungsträger in den Industriegesellschaften, um eine sozial- und umweltverträgliche Entwicklung in der Zukunft zu sichern. Sie sind auch ein wichtiges Instrument, um eine „nachhaltige Entwicklung“ zu erreichen, der in der wissenschaftlichen und politischen Diskussion oft eine Leitbildfunktion zugeschrieben wird. Speziell im Verkehrsbereich werden von innovativen Konzepten erhebliche Beiträge im Hinblick auf dieses Leitbild erwartet. Eine solche Entwicklung wird sich jedoch nicht automatisch einstellen, sondern kann nur, wie die Erfahrungen aus erfolgreichen Pilotprojekten zeigen, das Ergebnis intensiver Gestaltungsbemühungen bei der Einführung neuer Techniken und der darauf aufbauenden Dienste sein. Insbesondere der Einsatz von Informations- und Kommunikationstechniken (IuK-Techniken) ermöglicht Effizienzverbesserungen im Verkehrssystem und erweitert die Gestaltungsmöglichkeiten des Verkehrs- und Mobilitätsmanagements erheblich. Diese neuen Techniken gestatten die Einführung ganz neuer Dienste, der so genannten *Telematikdienste*, für die ein erhebliches Marktpotential zu erwarten ist. Auch klassische Lenkungsinstrumente, wie preisliche Maßnahmen, können mittels IuK-Techniken erheblich flexibler, benutzerfreundlicher und effizienter angewandt werden, als dies bisher der Fall war.

Eine wichtige empirische Grundlage für Untersuchungen von Innovationsstrategien im Mobilitätsbereich sind Erfahrungen anderer Länder mit unterschiedlichen ökonomischen und sozialen Rahmenbedingungen sowie anderen kulturellen Voraussetzungen, die für die Einführung neuer Techniken und Dienste im Mobilitätsbereich von Bedeutung sind. Das Ziel der in Arbeit befindlichen Studie ist es, die Innovationserfahrungen ausgewählter Länder zum Einsatz von IuK-Techniken im Ballungsraumverkehr in Form von Fallstudienanalysen auszuwerten und aus diesen Erfahrungen Handlungsstrategien für die Situation in Deutschland abzuleiten. Dabei sind die unterschiedlichen Realisierungsbedingungen in den verschiedenen Ländern zu berücksichtigen. Dies bedeutet, dass nicht nur die unterschiedlichen rechtlichen und institutionellen Rahmenbedingungen in den betrachteten Ländern zu analysieren sind, son-

dern, dass insbesondere den Einschätzungen der allgemeinen Öffentlichkeit und bestimmter Facheliten zum Innovationspotential technischer Entwicklungen Beachtung geschenkt werden muss. Dabei spielen auch das kulturelle Selbstverständnis und die praktizierten Lebensstile der verschiedenen Gesellschaftsgruppen eine bedeutende Rolle.

Die Arbeitsplanung orientiert sich an den folgenden Arbeitsschritten:

1. *Monitoring* verkehrspolitischer Aktivitäten in Ländern mit einschlägigen und erfolgreichen verkehrspolitischen Konzepten zwecks Identifizierung relevanter Initiativen und Projekte im Bereich innovativer Techniken und Dienste im Ballungsraumverkehr, sowie des Standes der Einführung dieser Techniken und Dienste,
2. *Vertiefte Analyse der identifizierten Länderbeispiele* mit Untersuchung der Realisierungsbedingungen und der verkehrlichen Wirksamkeit der innovativen Techniken und Dienste in den betrachteten Ländern sowie der Folgen in Bezug auf die Anforderungen einer „nachhaltigen Mobilität“,
3. Analyse der *Umsetzungsmöglichkeiten* der gewonnenen Erfahrungen für repräsentative deutsche Bedingungen und Entwicklung *strategischer Optionen* zur Förderung von Innovationsprozessen.

Das in Arbeit befindliche Vorhaben will zur Verbesserung der Entscheidungsgrundlagen für die Forschungs-, Verkehrs-, und Umweltpolitik beitragen. Die Ergebnisse dürften aber auch für Verbände und innovationsorientierte Industrieunternehmen neue Entwicklungsmöglichkeiten und Tendenzen aufzeigen.

Die Studie wird vom Institut für Technikfolgenabschätzung und Systemanalyse (ITAS) des Forschungszentrums Karlsruhe und dem Deutschen Institut für Wirtschaftsforschung (DIW), Berlin, als Konsortialpartner, durchgeführt. Während die Beiträge von ITAS stark an organisatorisch-technisch Aspekten der Verkehrstelematik orientiert sind, liegt der Schwerpunkt des DIW bei der Analyse des Einsatzes preislicher Instrumente, denen die Verkehrstelematik ganz neue Einsatzmöglichkeiten erschließt.

Die Arbeiten knüpfen an Fallstudienauswertungen der Vorgängerstudie „Verkehr in Ballungsräumen – mögliche Beiträge von Telematiktechniken und -diensten für einen effizienteren und umweltverträglicheren Verkehr“ [Halbritter, G. u. a., 2002] sowie an Arbeiten des DIW zur preispolitischen Beeinflussung des Verkehrs [Kuhfeld, Schlör, Voigt 1996] an. Diese zeigen, dass verschiedene Länder sehr unterschiedliche Strategien bei der Entwicklung und Einführung der neuen Techniken und Dienste verfolgen. Für erfolgreiche Innovationen im Verkehrsbereich sind dabei nicht nur die primären Bedingungen (technischer Stand und Know-how) der Technikentwicklung und -produktion von Bedeutung sondern insbesondere auch die übergeordneten gesellschaftlichen und staatlichen Rahmenbedingungen (Abb. 1).

Die Ergebnisse der genannten Studien zeigen weiterhin, dass eine Technikentwicklung entsprechend den Kriterien einer „nachhaltigen Entwicklung“ nicht automatisch eintreten wird, sondern eine anspruchsvolle Gestaltungsaufgabe darstellt; bei denen staatlichen Institutionen eine wichtige Funktion zukommt. Dies bedeutet, dass nicht nur die unterschiedlichen rechtlichen und institutionellen Rahmenbedingungen in den betrachteten Ländern zu analysieren sind, sondern dass auch den Einschätzungen der allgemeinen Öffentlichkeit und bestimmter Facheliten zum Innovationspotenzial technischer Entwicklungen Beachtung geschenkt werden muss. Dabei spielen, wie bereits erwähnt, auch das kulturelle Selbstverständnis und die praktizierten Lebensstile der verschiedenen Gesellschaftsgruppen eine bedeutende Rolle. Neben ausgewählten europäischen Ländern werden u. a. insbesondere die USA sowie Austra-

lien berücksichtigt, da hier die Rahmenbedingungen und Strukturen der Verkehrssysteme Ergebnisse erwarten lassen, die Folgerungen und Anregungen auch für deutsche Ballungsregionen enthalten können.
Von besonderer Bedeutung für Deutschland ist die europäische Situation. Die Zusammenstellung der Forschungsrahmenprogramme der Europäischen Union (EU) zeigt, dass Projekte im Bereich der Verkehrstelematik zunehmend an Bedeutung gewinnen. Bemerkenswert ist dabei die Ausrichtung auf Beiträge zu einer „nachhaltigen Entwicklung“ im fünften und sechsten Forschungsrahmenprogramm. Bei europäischen Ländern, in denen unter anderem auch preisliche Instrumente zum Einsatz kommen, ist neben Schweden, Norwegen und den Niederlanden insbesondere Großbritannien zu nennen, die hier in jüngster Vergangenheit gestarteten Projekte sind von besonderem Interesse. Im internationalen Bereich sind Vorhaben zu dieser Thematik in Singapur, Hongkong und Australien umgesetzt worden.

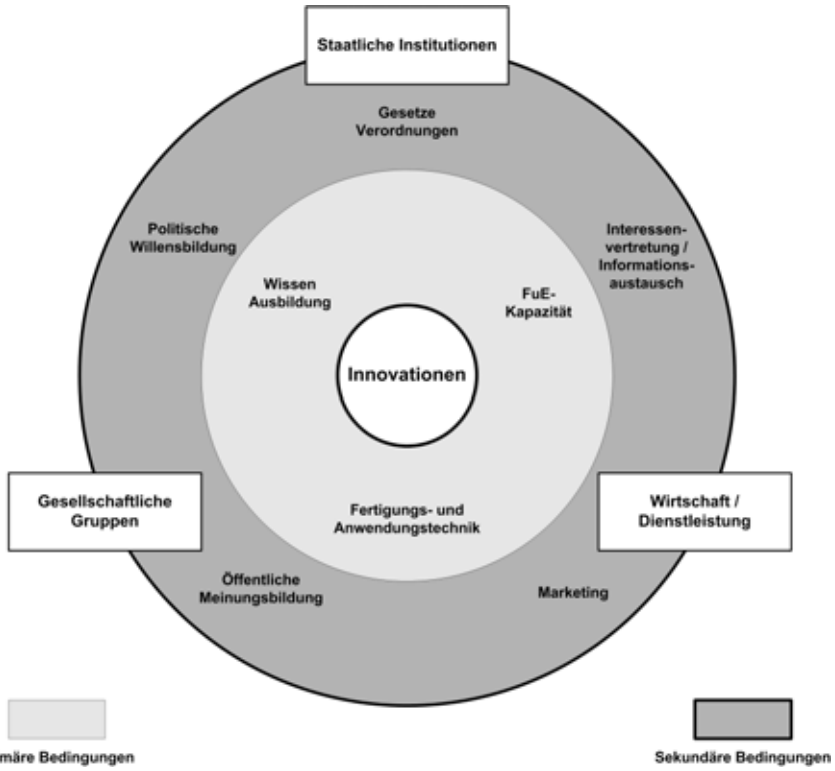

Abbildung 1: Strukturschema zur Technikgestaltung

Zu Zielsetzung und Aufbau des Monitoringberichts

Ziel des Monitorings ist es, verkehrspolitische Konzepte, Modelle und Maßnahmen zu erfassen, die im Zusammenhang mit modernen IuK-Techniken entwickelt wurden, um den Verkehr in Ballungsräumen in Richtung auf eine nachhaltige Entwicklung zu beeinflussen. Dabei geht es zunächst darum, Projekte von innovativen Techniken und Diensten, die unter dieser Zielsetzung grundsätzlich von Interesse sein können, in verschiedenen Ländern zu identifizieren. Solche Modelle, die in Anbetracht der politischen, ökonomischen und gesellschaftlichen Rahmenbedingungen sowie der verwendeten Maßnahmen von besonderem Interesse sind und möglicherweise Anhaltspunkte für Anwendungen in Deutschland ergeben können, werden auf

der Grundlage dieser Bestandsaufnahme ausgewählt und sollen im weiteren Verlauf der Untersuchung genauer analysiert werden.
Im Arbeitsschritt Monitoring wird so vorgegangen, dass in der ersten Stufe auf der Grundlage von Internetrecherchen, Literaturauswertungen, Vortragsveranstaltungen, persönlichen Kontakten etc. grundsätzlich in Betracht kommende Projekte in Verzeichnissen zusammengestellt und inhaltlich mit Stichworten charakterisiert werden. Um die relevanten Aktivitäten möglichst vollständig zu erfassen, werden die Kriterien für eine Aufnahme von Projekten in die entsprechenden Listen zunächst relativ weit gefasst. Dabei erfolgt die Bestandsaufnahme nach Ländern bzw. Ländergruppen getrennt. In der zweiten Stufe werden die für eine politische und verkehrliche Analyse geeignet erscheinenden Ballungsraumprojekte verschiedener Länder ausgewählt und detailliert dargestellt.

Mit dem Abschluss der Monitoringphase liegt ein umfassender Überblick zum Einsatz von Telematiktechniken und -diensten im Ballungsraumverkehr in den ausgewählten Ländern vor. Diese Ergebnisse dienen u. a. der Auswahl von Projekten und Ländern, die in der weiteren Projektarbeit intensiver untersucht werden sollen. Das im Rahmen der Recherchen zusammengetragene Material ist so umfangreich, dass der vorliegende Bericht in zwei Bände aufgeteilt wurde: in einem Arbeitsbericht werden die Ergebnisse der Recherchen vorgestellt und erste Einschätzungen zu den gewonnenen Materialen gegeben. Darüber hinaus werden erste Thesen vorgestellt, die für die weitere Arbeit von Bedeutung sind.

Im Kapitel I des Monitoringberichts werden die europäischen und im Kapitel II die außereuropäischen Aktivitäten im Bereich der Verkehrstelematik dargestellt. Breiten Raum nehmen im Kapitel I die Forschungsrahmenprogramme der Europäischen Union (EU) ein (Kap. I.1). Die Entwicklung vom ersten bis zum sechsten Forschungsrahmenprogramm der EU mit zunehmender Förderung von verkehrstelematischen Projekten wird präsentiert. Daran anschließend erfolgt die Behandlung von Forschungsschwerpunkten, die nicht in den Forschungsrahmenprogrammen der EU enthalten sind, von ausgewählten Projekten und von Querschnittsaktivitäten der EU. (Kap. I.2). Schließlich werden auch nationale Verkehrstelematikaktivitäten ausgewählter europäischer Staaten dargestellt (Kap. I.3).

Bei den außereuropäischen Verkehrstelematikaktivitäten im Kapitel II gilt ein Schwerpunkt den USA, wo Techniken und Dienste zur Verkehrsinformation und zur aktiven Verkehrsablaufsteuerung - als Komponenten von dort ITS (Intelligent Transportration Systems) genannten Systemen – seit Anfang der neunziger Jahre im Rahmen einer systematischen, staatlich geplanten und koordinierten Projektplanung und -durchführung eingesetzt werden (Kap. II.1). Weiterhin werden die Aktivitäten in Australien (Kap. II.2), Singapur (Kap. II.3) und Hongkong (Kap.II.4) dargestellt. Besonders die Erfahrungen von Singapur, wo preisliche Instrumente zum Verkehrsmanagement bereits seit über einem Jahrzehnt mit inzwischen der dritten Generation des technischen Erfassungssystems durchgeführt werden, sind von großem Interesse.

Zum vorliegenden Materialienband

In dem hier vorliegenden Materialienband sind Informationen zu den untersuchten Bereichen für Europa, die USA und Australien in tabellarischer Form systematisch zusammengestellt. Umfangreiches Datenmaterial liegt speziell aus den Forschungsrahmenprogrammen der Europäischen Union insbesondere aus dem vierten Forschungsrahmenprogramm vor, da hier neben den Endberichten der Projekte auch Programmevaluationen erstellt wurden. Für die Projekte aus dem Bereich des 'Telematic Application Programme - Transport' (TAP-Trans-

port) sind das 'Red Book', das 'Gold Book' und der CARTS-Bericht zu nennen, für die Projekte des Programms 'TRANSPORT' der Generaldirektion Transport & Energy (DG TREN) die Berichte des Projekts EXTRA. Umfangreiches Informationsmaterial insbesondere auch zu nationalen Aktivitäten kann auf der Homepage dieses Programmbereichs dem 'Transport Research Knowledge Centre' http://europa.eu.int/comm/transport/extra/ eingesehen werden. Da zum fünften Rahmenprogramm wegen der teilweise noch laufenden Projekte noch nicht alle Dokumentationen vorliegen - gleiches gilt natürlich auch für das sich in der ersten Programmphase befindende sechste Rahmenprogramm -, enthält der Materialienband - ebenso wie der Textband - hier nur erste Informationen. Etwas ausführlicher werden in beiden Teilen dieser Veröffentlichung nur die Projekte des CIVITAS-Clusters und des LUTR-Clusters vorgestellt.

In einer strukturierten Linkliste sind neben den Internetzugängen zu Informationen der EU auch länderspezifische Informationen zu den näher untersuchten europäischen Staaten zusammengestellt.

Für die USA und Australien enthält der Materialienband neben Informationen zu den in verschiedenen Ballungsräumen laufenden ITS-spezifischen Aktivitäten in tabellarischer Form ebenfalls Listen mit den Links zu weiterführenden Informationen.

Der Monitoringbericht soll parallel zu den laufenden Arbeiten fortgeschrieben und je nach Kenntnisstand der Projektarbeiten aktualisiert werden.

I Europa

1 Die Forschungsrahmenprogramme der Europäischen Union

1.1 Erstes, zweites und drittes Forschungsrahmenprogramm

1.1.1 Projekte des Programms DRIVE I

Tabelle 1: Projekte des Programms DRIVE I

	Akronym	Titel
V1054	**ASTERIX**	System and Scenario Simulation for Testing RTI Systems
V1039	**ATTAIN**	Applicability in Transport and Traffic of Artificial Intelligence
V1033	**AUTOPOLIS**	Automatic Policing Information Systems
V1001	**BARTOC**	Bus Advanced Real Time Operational Control
V1017	**BERTIE**	Changes in Driver Behaviour Due to the Introduction of RTI Systems
V1011	**CARGOES**	Integration of Dynamic Route Guidance and Traffic Control System
V1019	**CASSIOPE**	Computer Aided System for Scheduling Information and Operation of Transport in Europe
V1013	**CERACS**	Comparative Evaluation of the Different Radiating Cables and Systems Technologies
V1035	**CHRISTIANE**	Motoway Traffic Flow Monitoring and Control
V1068	**CHRISTINE**	Characteristics and Requirements of Information Systems Based on Traffic Data in an Integrated Network Environment
V1043	**CIDER**	DRIVE Integrated Telecommunications
V1015	**CLAIRE**	Artificial Intelligence Based Systems for Traffic Control
V1058	**CROW**	Condition of Road and Weather Monitoring System
V1038	**DACAR**	Data Acquisition and Communication Techniques and their Assessment for Road Transport
V1024	**DIS**	Driver Information Systems
V1048	**DOMINC**	Advanced Control strategies and Methods for Motorway RTI Systems of the Future
V1050	**DRACO**	Driving Accident Coordinating Observer
V1004	**DREAM**	A Feasibility Study for Monitoring Driver Status
V1006	**DRIVAGE**	Factors in Elderly People's Driving Abilities

	Akronym	Titel
V1051	**DRIVE SAFELY**	Procedure for Safety Submissions for RTI Systems
V1027	**EUROFRET**	A European System for International Road Freight Transportation Operations
V1025	**EURONETT**	Evaluating User Responses on New European Transport Technologies
V1023	**EUROTOPP**	European Transport Planning Process
V1036	**EVA**	Evaluation Process for Road Transport Informatics
V1044	**FLEET**	Freight and Logistics Efforts for European Traffic
V1046	**FRIDA**	Framework for Integrated Dynamic Analysis of Travel and Traffic
V1041	**GIDS**	Generic Intelligent Driver Support
V1052	**ICARUS**	Interurban Control and Road Utilisation Simulation
V1014	**IMAURO**	Integrated Model for the Analysis of Urban Route Optimisation
V1067	**IMPACT**	Implementation Aspects Concerning Planning and Legislation
V1016	**INFOSAFE**	An Information System for Road User Safety
V1026	**INVAID**	Integration of Computer Vision Techniques for Automatic Incident Detection
V1042	**ITHACA**	In-Depth Accident Data Collection and Analysis
V1053	**MODEM**	Modelling of Emission and Consumption in Urban Areas
V1056	**MONICA**	System Integration for Incident-Congestion Detection and Traffic Monitoring
V1047	**ODIN**	Origin-Destination Information vs Traffic Control
V1030	**PAMELA**	Pricing and Monitoring Electronically of Automobiles
V1010	**PANDORA**	Prototyping A Navigation Database of Road-Network Attributes
V1045	**PARCMAN**	Parking Management, Control and Information Systems
V1005	**PREDICT**	Pollution Reduction by Information and Control Techniques
V1066	**PULSAR**	Parking Urban Loading/Unloading Standards and Rules
V1029	**RDS-ALERT**	RDS Advice and Problem Location for European Road Traffic
V1022	**Real-Time UTC**	Realisation of a Real-Time Urban Traffic Control System
V1034	**RIMES**	Road Information and Management Euro-System
V1057	**SECFO**	Systems Engineering and Consensus Formation Office
V1065	**SIRIUS**	Socio-political Implications of RTI Implementation and Use Strategies
V1060	**SMART**	Electronic Cards for Traffic and Transport

	Akronym	Titel
V1002	**SMILER**	Short Range Microwave Links: Present and Future
V1007	**SOCRATES**	An RTI System Based on Cellular Radio for Traffic Efficiency and Safety
V1059	**SPECTRUM**	Strategies for the Prevention of Road Traffic Congestion
V1037	**STAMMI**	Definition of Standards for In-Vehicle Man-Machine Interface
V1032	**STRADA**	Standardisation of Traffic Data Transmission and Management
V1008	**STRATEGIES**	Strategies for Integrated Demand Management Systems
V1018	**TARDIS**	Traffic and Roads - DRIVE Integrated Systems
V1028	**TUNICS**	Tunnel Integrated Control System
V1064	**UROP**	Universal Roadside Processor
V1003	**VAMOS**	Requirements and System Specification for Dynamic Traffic Messages
V1063	**VIC**	Vehicle Inter-Communication
V1020		Tidal Flow Systems
V1021		Task Force European Digital Road Map
V1031		An Intelligent Traffic System for Vulnerable Road Users
V1040		Safety Scenario - Identification of Hazards
V1049		Field Trials
V1055		AI Techniques for Traffic Control
V1062		Multi-layered Safety Objectives
V1069		Car-pooling Management Systems

1.1.2 Projekte des Programms DRIVE II

Tabelle 2: Projekte des Programms DRIVE II

	Akronym	Titel
V2046	**ACCEPT-ALERT**	Concerted Cooperation In European Pilots for TMC
V2026	**ADEPT**	Automatic Debiting and Electronic Payment for Transport
V2053	**ADS**	Automatic Debiting Systems
V2004	**ARIADNE**	Application of a Real-time Intelligent Aid for Driving and Navigation Enhancement
V2043	**ARTIS**	Advanced Road Transport Informatics in Spain
V2001	**ASTRA**	Integrated System of Assistance Service for Travel and Traffic
V2028	**ATT-ALERT**	Advanced Transport Telematics - Advice and Problem Location for European Road Traffic Project
V2029	**BATT**	Behaviour and A.T.T.
V2024	**CASH**	Coordination of ADS Specifications for Harmonization
V2054	**CITIES**	Cooperation for Integrated Traffic Management and Information Exchange Systems
V2041	**CITRA**	Corridor Initiative Transit Route through the Alps
V2003	**COMBICOM I**	Combined Transport Communication Systems
V2061	**COMBICOM II**	Combined Transport Communication Systems
V2011	**COMIS**	Communication using Millimeterwave systems
V2056	**CORD**	Strategic Assessment of ATT Implementation
V2062	**DESPINA**	Demand Spreading Through Pre-trip Information
V2009	**DETER**	Detection, Enforcement and Tutoring for Error Reduction
V2036	**DYNA**	Dynamic Traffic Model for Real-Time Applications
V2020	**EAVES**	Evaluation and Assessment of Variable European Sign Systems
V2031	**EDDIT**	Elderly and Disabled Drivers and Information Telematics
V2052	**EDRM2**	European Digital Road Map II
V2064	**EMCATT**	ElectroMagnetic Compatibility of Advanced Transport Telematics
V2006	**EMMIS**	Evaluation of Man-Machine-Interface by Simulation Techniques
V2025	**EUROBUS**	European Reference Data Model for Public Transport (Transmodal) Polis Passenger Information Services (POPINS)

	Akronym	Titel
V2017	**EUROCOR**	EUROpean Urban CORridor Control
V2022	**EURO-TRIANGLE**	Pilot Application of Advanced Traffic Management in Flanders, Wallonia and NorthRhine Westphalia
V2067	**FAST/TITE**	Facilitated Access for Small and Medium-Sized (SME) Transport Enterprises to Telematics
V2034	**FRAME**	Freight Management In Europe
V2027	**GAUDI**	Generalised and Advanced Urban Debiting Innovations
V2065	**GEM**	Generic Evaluation Methodology for Integrated Driver Support Applications
V2038	**GEMINI**	Generation of Event Messages in the New Integrated Road Transport Environment
V2044	**GERDIEN**	General European Road Data and Information Exchange Network
V2008	**HARDIE**	Harmonisation of ATT Roadside and Driver Information in Europe
V2019	**HERMES**	High Efficiency Roads with Re-routing Methods and Traffic Signal Control
V2002	**HOPES**	Horizontal Project for the Evaluation of Safety
V2014	**ICAR**	Integrated Confined Area RTI Communication System
V2051	**IFMS**	Integrated Freight Logistics Fleet & Vehicle Management System
V2021	**INTERCHANGE**	INTERCHANGE
V2015	**INVAID II**	Evaluation of the INVAID system in Motorways & Urban Pilot Projects
V2063	**KITE**	Kernel Project on Impact of Transport Telematics on the Environment
V2039	**KITS**	Knowledge-based Intelligent Traffic Control Systems
V2035	**LIAISON BERLIN**	Linking Autonomous and Integrated Systems for On-Line Network and Demand Management in Berlin
V2033	**LLAMD**	Euro-Project (London, Lyon, Amsterdam, Munich and Dublin, with MARGOT)
V2030	**MARTA**	Monitoring Attitudes Towards Road Transport Automation
V2040	**MELYSSA**	Mediterranean-Lyon-Stuttgart Site for ATT
V2048	**METAFORA**	Major European Testing of Actual Freight Operations using RTI on an Axis
V2060	**MIRO**	Mobility Impacts, Responses and Opinions
V2066	**MITHOS**	Monitoring Inter-modal Transport of Hazardous Goods
V2057/58	**PASSPORT**	Promotion and Assessment of System Safety and Procurement of Operable and Reliable Road Transport Telematics
V2023	**PHOEBUS**	Project for Harmonising Operations of the European BUS
V2047	**PLEIADES**	Paris London Corridor
V2037	**PORTICO**	Portuguese Road Traffic Innovations on a Corridor

	Akronym	Titel
V2016	**PRIMAVERA**	Priority Management for Vehicle Efficiency Environment and Road Safety on Arterials
V2012	PROMISE	PROmetheus CED 10 Portable Information Systems in Europe
V2049	PROMPT	Priority and Informatics in Public Transports
V2018	**QUARTET**	Quadrilateral Advanced Research on Telematics for Environment and Transport
V2042	**QUO VADIS**	Queue Obviation by Variable Direction and Information Signs
V2055	**RHAPIT**	Rhein/Main Area Project for Integrated Traffic Project Definition
V2045	**ROSES**	Road Safety Enhancement System Roses
V2007	**SAMOVAR**	Safety Assessment Monitoring On-Vehicle with Automatic Recording
V2050	**SCOPE**	Applications of ATT in Southampton, Cologne and Piraeus
V2013	**SOCRATES 2**	Kernel Project
V2032	**TELAID**	TELematic Applications for the Integration of Drivers with Special Needs
V2010	**TESCO**	TESt on COoperative driving
V2005	**VRU-TOO**	Vulnerable Road User Traffic Observation and Optimisation

1.2 Das vierte Forschungsrahmenprogramm (1994 – 1998)

1.2.1 Projekte des Telematic Application Programmes – TAP

Tabelle 3: Beschreibung der Projekte des Programms ‚Telematic Applications - Transport' der DG Information Society (4. RP, 1994 - 1998)

Akronym	N°	Area	Inhalt	Laufzeit
A1	TR 4001	-Traveller Intermodality and Public Transport; -Automatic Debiting and Toll Collection	**Interoperability of European EFC Systems Based on DSRC:** The A1 project provides an assessment of the feasibility of interoperable full EFC (Electronic Fee Collection) systems and EFC applications. The project extends the results of the VASCO (Validation of dedicated Short range Communications, TR 1062) project, which was aimed mainly at the communication part of EFC, towards complete systems including payment-applica-tions, video enforcement and a coordination of all subsystems. http://www.cordis.lu/telematics/tap_transport/research/projects/a1.html	24 Monate
AATMS	TR 1001	Air Transport	Airborne Air Traffic Management System http://www.cordis.lu/telematics/tap_transport/research/projects/aatms.html	
AC-ASSIST	TR 1004	-Vehicule Control	**Anti-Collision Autonomous Support and Safety Intervention System:** AC ASSIST contributes to the aim of improving road safety by developing the concept of driver assisting functions for collision warning and emergency longitudinal intervention for rear-end collision avoidance. http://www.cordis.lu/telematics/tap_transport/research/projects/ac-assist.html	
ADEPT II	TR 1002	-Traveller Intermodality and Public Transport; -Automatic Debiting and Toll Collection	**Automatic Debiting And Electronic Payment For Transport II:** The achievements of ADEPT II include: - A comprehensive evaluation methodology and comparison of results across the sites - Recommendations for a future architecture for electronic payment systems - Definition of a migration path towards interoperable smart cards - Integration of ITS applications to demonstrate demand management solutions - An advanced parking management system, which is to be used commercially in Australia - Internet-based parking availability and booking facility - Integration of payment for petrol with parking and tolling on a single smart card - Integration of payment for tolling, parking and public transport using same hybrid smart card - Demonstration of a demand management toolbox which covers parking, access control, road pricing, park-and-ride etc. using same OBU and smartcard - Countrywide implementation of public transport smart cards - Evaluation of a number of city card schemes, - A business plan and market review. http://www.cordis.lu/telematics/tap_transport/research/projects/adept2.html	24 Monate

Akronym	N°	Area	Inhalt	Laufzeit
ADVICE	TR 4002	-Automatic Debiting and Toll Collection	**Advanced Vehicle Classification and Enforcement**: The ADVICE project aims to develop and test automatic classification and video enforcement systems for Electronic Fee Collection (EFC), as well as to produce common European guidelines for the specification of such systems. Within the remainder of the project, the user requirements and the functional model have been finalised, the technical developments completed and the validation trials in the two countries took place during the end of 1999 and the first part of 2000. These trials have demonstrated the improved classification and enforcement systems that have been developed within the project. In parallel to this, the design process has been completed and the Design Guidelines for Classification and Enforcement systems will be produced. http://www.cordis.lu/telematics/tap_transport/research/projects/advice.html	12 Monate
AHSEA	IA 1101	-Vehicule Control	**Advanced Driver Assistance Systems in Europe (ADASE):** The implementation of driver assistance systems with additional Telematics links has the potential to offer solutions to growing road transportation problems. The ADASE project investigates the feasibility of an approach using these two disciplines. The aim od this project is to investigate the possible deployment of products for a total transport system for Europe, involving users and interaction between on-board and roadside systems. The assumption is that Telematics tools could be used to build products and services for transport and traffic information and management and to improve the operation of both vehicles and networks. http://www.cordis.lu/telematics/tap_transport/research/projects/ahsea.html	18 Monate
AIRPORT-G	TR 1003	Air Transport	Airport Integrated Research & Development Project for Operational Regulation of Traffic-Guidance http://www.cordis.lu/telematics/tap_transport/research/projects/airport-g.html	
ANIMATE	C6 1102	Common Activities, Telematics Infrastructure and Common Services, Telematics Infrastructure and Common Services	Added Support to Strategy, Cohesion and Dissemination for Transport and Environment Projects http://www.cordis.lu/telematics/tap_transport/research/projects/animate.html	
APOLO	TR 4003	Railway transport	Advanced Position Locator system http://www.cordis.lu/telematics/tap_transport/research/projects/apolo.html	
ARTEMIS 2	TR 5001	Freight Operations	**Advanced Road Transport Electronic Management Information Systems:** ARTEMIS aims to develop architecture and interfaces to facilitate integrated supply chain management systems, and to validate them through pilot demonstrations at three test sites in Europe. Its objectives can be summarised as follows: 1. from an understanding of user requirements, to determine the functional specifications and develop an architecture of an integrated, telematics-based, information system that will support the operation of Demand Driven Freight Transport Systems (DDFTS), 2. to develop working interfaces interconnecting the existing applications of the different supply chain actors, 3. to validate these interfaces through verification and demonstration in real life pilots, involving logistics services providers, retailers, suppliers and manufacturers, 4. to assess the managerial and organisational implications of sharing commercially sensitive information between the buyers, suppliers and carriers of goods. http://www.cordis.lu/telematics/tap_transport/research/projects/artemis.html	

Akronym	N°	Area	Inhalt	Laufzeit
ATHOS	TR 1005	Air Transport	Airport Tower Harmonised Controller System http://www.cordis.lu/telematics/tap_transport/research/projects/athos.html	
AUSIAS	TR 1006	-Traveller Intermodality and Public Transport; -Network and Traffic Management	**ATT in Urban Sites with Integration and Standardisation:** The project resets on three strategic principles: - integration, - standardisation, - new technologies; They will be applied in six areas: 1) Traffic management (Urban-Interurban), 2) Public Transport, 3) Dynamic information to users, 4) Parking management and information, 5) Traffic modelling, 6) Incident management. The main result that is anticipated from the project is the integration of these technologies into a framework that will be demonstrated under real conditions, showing how it improves the traffic and transport situation in a medium-sized European city. http://www.cordis.lu/telematics/tap_transport/research/projects/ausias.html	36 Monate
CALYPSO	IA 1001	-Traveller Intermodality and Public Transport; -Automatic Debiting and Toll Collection	**Contact And Contactless Telematics platform Yielding a Citizen Pass integrating urban Services and financial Operations:** CALYPSO proposes a single system for several payments, identification and ticketing functions. It is a Citizen Pass which combines: - purchase of goods, through an electronic purse function and with potential loyalty applications - payment and ticketing for public transport, parking, taxis, telephones - access to administrative services: payment of local taxes and fines, delivery of certificates - access to tourist services: hotel reservation, advance booking of museum tickets - payment and reservation for cultural and sports activities. http://www.cordis.lu/telematics/tap_transport/research/projects/calypso.html http://www.calypso.tm.fr	24 Monate
CAPE	TR 4101	Common Activities, Telematics Infrastructure and Common Services, Telematics Infrastructure and Common Services	Coordinated Action for Pan-European Transport and Environment Telematics Implementation Support http://www.cordis.lu/telematics/tap_transport/research/projects/cape.html	
CAPITALS	TR 1007	-Traveller Intermodality and Public Transport; -Freight Operations; -Driver Information; -Automatic Debiting and Toll Collection; -Network and Traffic Management	**Integrated Telematics Applications on Large Scale:** The technical work was approached in four areas: - Improvement of traffic management and information systems to assist decision makers, - Enhancement of multimodal information to give better information to end users and passengers, - Development and the implementation of traffic control strategies to improve traffic and environmental conditions, - Introduction of methods of demand management to make better use of the available space in conurbations; http://www.cordis.lu/telematics/tap_transport/research/projects/capitals.html	27 Monate
CAPITALS PLUS	TR 4029	-Traveller Intermodality and Public Transport; -Freight Operations; -Driver Information; -Automatic Debiting and Toll Collection; -Network and Traffic Management	**Partnership in Launching further Useful Information Services:** Five European capitals Brussels (Co-ordinator), Paris including the city and the region Ile de France, Madrid, Rome and Berlin have agreed to extend their information platforms towards integrated mobility service platforms, interfacing these with servers containing multimodal data, such as public transport timetables, and information sources from parking and weather information systems. On the basis of these platforms, information services are being developed and demonstrated (--> Integrated Mobility Service Platforms, Pre-trip Information Services, On-trip Information Services) http://www.cordis.lu/telematics/tap_transport/research/projects/capitalsplus.html	

Akronym	N°	Area	Inhalt	Laufzeit
CARDME	TR 1109 & TR 4102	-Automatic Debiting and Toll Collection	**CARDME Support(-a forum at government level for the discussion of cross-border inter-operability of motorway tolling systems):** The objectives of CARDME-3 are consequently to develop a specification for a common payment service which can be implemented alongside present systems, with minimum changes to existing equipment and infrastructures. In parallel, a strategy will be proposed to enable existing operators to migrate to standard EFC (Electronic Fee Collection) systems. http://www.cordis.lu/telematics/tap_transport/research/projects/cardme.html	24 Monate
CARISMA	TR 4103	Common Activities, Telematics Infrastructure and Common Services, Telematics Infrastructure and Common Services	Concerted Architectures for the Interconnection of Networks for Sustainable Mobility with Telematics Applications http://www.cordis.lu/telematics/tap_transport/research/projects/carisma.html	
CARPLUS	TR 1008	-Traveller Intermodality and Public Transport	**Integration of Carpooling among the Union Cities:** The main objective of CARPLUS was to improve the carpooling system performance and end-user acceptance through the use of telematics tools and the integration with the existing or planned relevant telematics systems. The carpooling methodology followed for carrying out this task was to analyse all the services or aspects related with carpooling that could be enhanced using telematics. http://www.cordis.lu/telematics/tap_transport/research/projects/carplus.html	36 Monate
CHAUFFEUR	TR 1009	-Vehicule Control	**Promote-chauffeur:** The amount of goods traffic on European motorways has increased dramatically over the last fifteen years. The CHAUFFEUR project has addressed this problem by developing new electronic systems for coupling trucks at close following distances. http://www.cordis.lu/telematics/tap_transport/research/projects/chauffeur.html	36 Monate
CINCAT	TR 1010	Air Transport	Capacity Increase through Computer Assistance Tools http://www.cordis.lu/telematics/tap_transport/research/projects/cincat.html	
CLEOPATRA	TR 1012	-Driver Information; -Network and Traffic Management	**City Laboratories Enabling Organisation of Particularly Advanced Telematics Research and Assessments:** CLEOPATRA is a multi-site/single-application project dealing with the field validation of techniques, methods and algorithms to support guidance and information systems for urban road traffic as free-standing technologies or as part of a system including co-ordinated information, guidance and traffic control. The objective of CLEOPATRA is to bring developments and findings of state-of-the-art research into existing or planned operational Dynamic Route Guidance (DRG) systems. --> The six City Laboratory sites of Gothenburg, London, Lyon, Stockholm, Toulouse and Torino provided CLEOPATRA with real data, appropriate operating systems and real traffic conditions with which to develop and test CLEOPATRA applications and facilities for demonstration. http://www.cordis.lu/telematics/tap_transport/research/projects/cleopatra.html http://www.staff.ncl.ac.uk/sergio.grosso/CLEO.htm	36 Monate
CODE	TR 1103	Common Activities, Telematics Infrastructure and Common Services, Telematics Infrastructure and Common Services	Co-ordinated Dissemination in Europe of Transport Telematics Achievements http://www.cordis.lu/telematics/tap_transport/research/projects/code.html	

Akronym	N°	Area	Inhalt	Laufzeit
COMBINE	TR 4004	Railway transport	Enhanced Control Centre for a Moving Block Signalling System http://www.cordis.lu/telematics/tap_transport/research/projects/combine.html	
COMETA	TR 4005	-Freight Operations, -Common Activities, -Telematics Infrastructure and Common Services, -Telematics Infrastructure and Common Services	**Commercial Vehicle Electronic and Telematic Architecture:** The COMETA project is developing an On-Board Systems Architecture to answer the concern about the potential proliferation of On-Board Systems for commercial vehicles. http://www.cordis.lu/telematics/tap_transport/research/projects/cometa.html	23 Monate
COMMAN	TR 4006	Maritime and Inland Waterways Transport	Communication Manager System for Data Exchange for Ship Operations http://www.cordis.lu/telematics/tap_transport/research/projects/comman.html	
CONCERT	TR 1013	-Traveller Intermodality and Public Transport; -Automatic Debiting and Toll Collection	**Cooperation for Novel City Electronic Regulating Tools:** CONCERT project had completed twelve demonstrations of transport telematics applications in cities in seven EU countries. CONCERT was orchestrated by putting integrated payment with smart cards, pricing and access control for restraint on road use, and multimodal information for travellers into harmony with related hypotheses of behavioural impact. http://www.cordis.lu/telematics/tap_transport/research/projects/concert.html http://www.euconcert.com	30 Monate
CONVERGE	TR 1101	Common Activities, Telematics Infrastructure and Common Services, Telematics Infrastructure and Common Services	Transport Telematics Support and Consensus http://www.cordis.lu/telematics/tap_transport/research/projects/converge.html	
COREM	TR 1014	-Freight Operations, -Maritime and Inland Waterways Transport	**Cooperative Resource Management for the Transport of Unit Loads:** COREM improves the transition between ship and truck transport modes by using innovative procedures for co-operative resource management. http://www.cordis.lu/telematics/tap_transport/research/projects/corem.html http://www.isl.org/projects/corem	36 Monate
COSMOS	TR 1015	-Network and Traffic Management	**Congestion Management Strategies and Methods in Urban Sites:** The central objektive of COSMOS ie to build and verify demonstrarors for Congestion and Incident Management (CIM) in the contex of urban network signal control. http://www.cordis.lu/telematics/tap_transport/research/projects/cosmos.html http://www.sbe.napier.ac.uk/projects/cosmos/cosmos.htm	36 Monate
CROMATICA	TR 1016	-Traveller Intermodality and Public Transport	**Crowd Management with Telematic Imaging and Communications Assistance:** CROMATICA is concerned with the development and evaluation of telematic tools to allow improvement of security in public transport systems. The project will involve: 1) on-line detection of situations of interest in movements of crowds within stations, using CCTV and computer vision, 2) on-line detection of individual incidents, using computer vision, 3) portable video links with spread spectrum transmission. http://www.cordis.lu/telematics/tap_transport/research/projects/cromatica.html	36 Monate

Akronym	N°	Area	Inhalt	Laufzeit
DACCORD	TR 1017	-Network and Traffic Management	**Development and Application of Co-ordinated Control of Corridors:** The objectives of DACCORD are: - To design, implement and validate a practical Dynamic Traffic Management System for integrated and co-ordinated control of peri-urban motorways - To further develop an open system architecture for motorway traffic management. The project aims to advance both the state-of-the-art and the state-of-practice in dynamic traffic management and control. -->Three motorway networks are involved as demonstration sites, in Paris, Amsterdam and Brescia-Venice. http://www.cordis.lu/telematics/tap_transport/research/projects/daccord.html http://www.hcg.nl/daccord/welcome.htm	36 Monate
DADI	TR 4007	Air Transport	Datalinking of Aircraft Derived Information http://www.cordis.lu/telematics/tap_transport/research/projects/dadi.html	
DAFUSA	TR 1018	Air Transport	Data Fusion for Airports http://www.cordis.lu/telematics/tap_transport/research/projects/dafusa.html	
ECHO	TR 1019	Maritime and Inland Waterways Transport	European Chart Hub Operations http://www.cordis.lu/telematics/tap_transport/research/projects/echo.html	
ELSA	TR 4106	Maritime and Inland Waterways Transport	European Ladgnss Standardisation Activites http://www.cordis.lu/telematics/tap_transport/research/projects/elsa.html	
ENTERPRICE	TR 1020	-Traveller Intermodality and Public Transport; -Freight Operations; -Driver Information; -Automatic Debiting and Toll Collection; -Network and Traffic Management	**Enhanced Network for Traffic Services and Information Provided by Regional Information Centres in Europe:** The project plan is to: 1) identify administration and user requirements for a traffic management framework Mobility and Traffic Information Centers (MOTICs), and services, 2) define and to establish a traffic management framework, 3) develop and to set up mobility and traffic information centers to integrate multi-modal traffic and other data, 4) integrate further multi-modal information from external projects, 5) generate multi-modal traffic situation reports, 6) provide such value-added information to users and service providers via an open standardised interface, 7) develop and establish transport-related services based on such data and information both for end-users, for before or during their trips, and for authorities, 8) validate nad demonstrate mobility and traffic information services, 9) specify and implement relevant interfaces to related projects. http://www.cordis.lu/telematics/tap_transport/research/projects/enterprice.html	40 Monate
EOLIA	TR 1021	Air Transport	European pre-Operational DataLInk Applications http://www.cordis.lu/telematics/tap_transport/research/projects/eolia.html	
EPISODE	TR 1104	-Driver Information	**European Pre-operational Implementation Survey On further Development and Evaluation of RDS/TMC (Broadcast sector):** The project will assess Research and Implementation projects at the European or national level which have any Traffic Message Channel components, and create a singel datebase of activities that affect broadcasters in Europe. http://www.cordis.lu/telematics/tap_transport/research/projects/episode.html	36 Monate

Akronym	N°	Area	Inhalt	Laufzeit
ESCORT	TR 4008	-Network and Traffic Management	**European Standard Controller for Intersections with Advanced Road Traffic Sensors:** The objective of ESCORT has been to develop a standard interface that provides interconnectivity at the point of intersections of roads. This interface can be considered as a first step towards an Open System Architecture for Intersections. http://www.cordis.lu/telematics/tap_transport/research/projects/escort.html http://www.soton.ac.uk/~trgwww/escort/index.htm	24 Monate
EURONAV	TR 4009	Telematics Infrastructure and Common Services	European Contribution to the GNSS-2 Navigation System http://www.cordis.lu/telematics/tap_transport/research/projects/euronav.html	
EUROPE-TRIS	TR 1022	-Freight Operations, -Railway transport	**European Railways Optimisation Planning Environment - Teleconferencing Railways Information System:** TRIS is part of a wider RTD initiative that aims to develop a telematics and information technology system that provides railway companies with innovative concepts and demonstrators in timetable planning, implementing EU Directives for access-to-infrastructure and operations on trans-European corridors. http://www.cordis.lu/telematics/tap_transport/research/projects/europe-tris.html http://www.srd.it/TRISprj/	36 Monate
EUROSCOPE	TR 1023	-Traveller Intermodality and Public Transport; -Driver Information; -Automatic Debiting and Toll Collection; -Network and Traffic Management	**Efficient Urban Transport Operation Services Co-Operation of Port Cities in Europe:** The EUROSCOPE project has demonstrated the application of transport telematics to keeping travellers informed, managing the road traffic network, and managing freight operations, combining experience from regional and city authorities, road, port and public transport operators, industrial system providers, and research specialists. http://www.cordis.lu/telematics/tap_transport/research/projects/euroscope.html www.eranet.gr/euroscope/index.html	36 Monate
EUROSPIN	TR 4010	-Traveller Intermodality and Public Transport	**European Seamless Passenger Information Network:** The main objective of the EuroSPIN project was to acquire and disseminate seamless, multi-modal public transport travel information. The project has designed and developed an intelligent system which is be capable of providing arrival/departure times, connecting services and journey plans to passengers using a variety of transport modes for metropolitan, regional, national and European. In time it could be expanded to cover reservations and ticketing. The information is accessible via the Internet and can also be provided through special kiosks that may be set-up at rail/bus stations, airports and other places of interest. http://www.cordis.lu/telematics/tap_transport/research/projects/eurospin.html http://www.eurospin.org	24 Monate
EUROTRACS	TR 1024	-Traveller Intermodality and Public Transport	**European Traveller Care Services - Market Research and Development of Concept Studies for Multimodal Passenger Information and Guidance Systems and Multimodal Baggage Transportation Systems (rail, plane):** EuroTraCS will contribute to promote Telematics Applications for multimodal passenger information and guidance as well as baggage transportation in Europe by: - analysing the needs and requirements of different user groups for multimodal travel with respect to acceptance of Telematics Applications - analysing the problems and possible solutions regarding the man-machine interface - translating actual and future needs into first functional specifications, by consideration of existing standards and systems, commercial factors and the extensive use of Telematics Applications - defining the requirements regarding to multi-modal data and data platforms as a basis for internal and external communi cation in the multimodal travel chain. http://www.cordis.lu/telematics/tap_transport/research/projects/eurotracs.html	27 Monate

Akronym	N°	Area	Inhalt	Laufzeit
EU-SPIRIT	TR 5002	-Traveller Intermodality and Public Transport	**EUropean System for Passenger services with Intermodal Reservation, Information and Ticketing:** The aim of this project is that, on the basis of this system, it will be possible to plan and prepare a journey door-to-door between widely separated regions of Europe, using public transport such as mainline railways, regional trains and buses. The same environment offers access to other information and services which represent the motive for the journey or means to make it trouble-free, like cultural events or tourist attractions, and hotels and car rental. Two categories of users of information are addressed: o end-users, i. e. citizens wishing to travel, mainly for business or tourism o professionals, e.g. transport providers, travel agencies, regional authorities. http://www.cordis.lu/telematics/tap_transport/research/projects/euspirit.html http://eu-spirit.jrc.es/	
EVIDENCE	TR 4011	Common Activities, Telematics Infrastructure and Common Services, Telematics Infrastructure and Common Services	Extensive Validation of Identification Concepts in Europe http://www.cordis.lu/telematics/tap_transport/research/projects/evidence.html	
FACTEUR	TR 5003	-Freight Operations	**Freight-Aware Consignments using Telematics in EURope:** The FACTEUR project will provide pragmatic improvements to the quality of European cross-border postal services. The project will develop new, generic, open-standard tools to: - obtain up-to-date information about availability of routes to specific destinations, schedules for each, availability of freight capacity for each leg, and costs - support route selection for specific consignments, based upon current accurate information received - support pre-booking of freight capacity for each leg of the selected routes - implement and demonstrate these systems during the lifetime of the project - actively promote the systems to the entire postal and transport communities. http://www.cordis.lu/telematics/tap_transport/research/projects/facteur.html	
FARAWAY	TR 1025	Air Transport	Fusion of Radar & ADS data through two data link http://www.cordis.lu/telematics/tap_transport/research/projects/faraway.html	
FARAWAY II	TR 4012	Air Transport	Transport of ATM services on the STDMA network http://www.cordis.lu/telematics/tap_transport/research/projects/faraway2.html	
FLEETMAP	TR 5005	-Freight Operations	**Fleet Mobile Application Protocol:** The FLEETMAP project aims to provide the required impetus to standardisation and certification for the communication interface for in-house freight and fleet-management applications. http://www.cordis.lu/telematics/tap_transport/research/projects/fleetmap.html http://www.ptv.de/fleetmap	

Akronym	N°	Area	Inhalt	Laufzeit
FORCE 1 & FORCE 2	TR 1026 & TR 1106	-Driver Information; -Network and Traffic Management	**Enhanced Field Projects for Large-scale Introduction and Validation of RDS-TMC Services in Europe:** Together with FORCE 2, 3 and ECORTIS, FORCE 1 has co-ordinated the introduction of European RDS-TMC services (Radio Data System/ Traffic Message Channel), ensuring a minimum acceptable level of service in each country, interoperability between countries, and standardisation of TMC. http://www.cordis.lu/telematics/tap_transport/research/projects/force1.html http://www.rds-tmc.com , http://www.alert-tmc.com	38 Monate
GNSS	TR 1027	Telematics Infrastructure and Common Services	Global Navigation Satellite System http://www.cordis.lu/telematics/tap_transport/research/projects/gnss.html	
GNSS SAGE	TR 4107	Telematics Infrastructure and Common Services	GNSS Satnav Advisory Group of Experts http://www.cordis.lu/telematics/tap_transport/research/projects/gnsssage.html	
HANNIBAL	TR 1028	-Driver Information; -Automatic Debiting and Toll Collection; -Network and Traffic Management	**High Altitude Network for the Needs of Integrated Border-Crossing Applications and Links:** The aim of the HANNIBAL Project is to create, develop, and test several advanced transport telematics applications which would improve traffic management, increase transport efficiency, and meet user requirements better. The project includes three main demonstrations and several innovative components and prototypes in the traffic management domain. The components are: 1) data exchange, 2) user information, 3) traffic forecast and decision support tools, 4) automatic tooling, 5) exceptional traffic demand control, weather events, holiday traffic flows, 5) automatic incident detection. http://www.cordis.lu/telematics/tap_transport/research/projects/□ort he□.html	36 Monate
ICARE	TR 1029	-Traveller Intermodality and Public Transport; -Automatic Debiting and Toll Collection	**Integration of Contactless technologies into public transport environment:** The objectives of the ICARE Project are to: -implement a complete multi-service ticketing system in multi-operator environments, safeguarding individual privacy, - adapt Contactless Ticketing to all segements of the market, paying particular attention to infrequent users, - manage the product variants and income in multi-operator environment, - offer new services to customer, directly linked with the use of a contactless support system. http://www.cordis.lu/telematics/tap_transport/research/projects/icare.html	26 Monate
IDES	TR 4013	Maritime and Inland Waterways Transport	ISM driven Data Exchange for Ship operation http://www.cordis.lu/telematics/tap_transport/research/projects/ides.html	
IN-ARTE	TR 4014	-Vehicule Control	**Integration of Navigation and Anti-collision for Rural Traffic Environment:** The main objective of the project is to implement new multi-functional driver assistance systems which integrate existing functions such as navigation and anticollision with the support of digital road map databases. http://www.cordis.lu/telematics/tap_transport/research/projects/in-arte.html http://www.iao.fhg.de/Projects/IN-ARTE/	28 Monate
INES	TR 4015	-Traveller Intermodality and Public Transport	**Innovative Navigation European System:** The purpose of INES project is to solve the technical and institutional issues of GNSS and to define an initial GNSS2 component which: - is low cost and affordable for Europe - is multimodal and guaranties to Civil Aviation a minimum level of service, independently from GPS or GLONASS - has a good growth potential, - has a maximum compatibility with GPS, GLONASS and GNSS1. http://www.cordis.lu/telematics/tap_transport/research/projects/ines.html	20 Monate

Akronym	N°	Area	Inhalt	Laufzeit
INFOPOLIS	TR 1031	-Traveller Intermodality and Public Transport	**Advanced Passenger Information in European Cities:** The project concentrated on the presentation, as well as on the content, of Public Transport information. It addressed pre-trip and on-trip information, involving timetables, route finding, services, points of interest, etc. Emphasis was placed on the presentation of multimodal solutions accessible via on-street public terminals. An important concern was to ensure close co-operation with PT operators. Operators in six large city were involved in the project. The resulting in-depth study would be used for a new basis for the design of future information systems. http://www.cordis.lu/telematics/tap_transport/research/projects/infopolis.html	14 Monate
INFOPOLIS 2	TR 4016	-Traveller Intermodality and Public Transport; -Driver Information; -Network and Traffic Management	**Advanced passenger information for European citizens of 2000:** Infopolis 2 improves travellers' ability to access electronic sources of information on all modes of transport, by offering transport operators guidelines for good presentation of information (displays at the bus stops, interactive information kiosks). http://www.cordis.lu/telematics/tap_transport/research/projects/infopolis2.html http://www.ul.ie/~infopolis/	24 Monate
INFOTEN	TR 1032	-Automatic Debiting and Toll Collection	**Multi-modal Information and Traffic Management Systems on Trans-European Networks:** INFOTEN has introduced language-independent systems for traffic information exchange, multi-modal traveller information services and advanced driver warning systems in the Alpine area and Central Europe. http://www.cordis.lu/telematics/tap_transport/research/projects/infoten.html http://www.infoten.com	36 Monate
INITIATIVE	TR 4017	-Network and Traffic Management	**Industry Initiative To Introduce Automatic Tolling In Vehicles in Europe:** The INITATIVE Project addresses issues relating to the use of I technologies for Electronic Fee Collection. The specific objective is to validate interoperability between systems based on Dedicated Short-Range Communication (DSRC). http://www.cordis.lu/telematics/tap_transport/research/projects/initiative.html	18 Monate
IN-RESPONSE	TR 1030	Maritime and Inland Waterways Transport	Incident Response with On-line Innovative Sensing http://www.cordis.lu/telematics/tap_transport/research/projects/in-response.html	
INTACT	TR 4018	-Freight Operations	**Integrated Telematics for Advanced Communication in freight Transport:** INTACT aims to tackle the lack of integration with a two-track approach: a generic track, developing a conceptual information model, and a specific track with four pilot demonstrations at four test sites across Europe. Both tracks run together and are interdependent. The generic track will result in a generic system architecture consisting of a unified data model of a road freight transport company, with all parties, business functions and information flows □ort he□ into it. This should allow any transport company manager or IT provider to recognize the operational processes at the transport company and help them formulate their user needs and integrate their telematics systems accordingly. The specific track builds and implements interfaces between the various applications at the test sites. The generic model is validated by means of these test site demonstrators. http://www.cordis.lu/telematics/tap_transport/research/projects/intact.html http://projects.nei.nl/intact/	24 Monate
INTER	TR 1011	Railway transport	Integrating of Networking Technologies for Harmonising the European Railways http://www.cordis.lu/telematics/tap_transport/research/projects/cither-inter.html	

Akronym	N°	Area	Inhalt	Laufzeit
INTERCEPT	TR 5004	-Traveller Intermodality and Public Transport	**INTERmodal Concepts in European Passenger Transport:** The overall mission of the INTERCEPT project is to encourage by example the implementation of intermodal door-to-door transport solutions in European cities, to INTERCEPT car usage as close as possible to its source. http://www.cordis.lu/telematics/tap_transport/research/projects/intercept.html	
INTERPORT	TR 1033	-Freight Operations; -Automatic Debiting and Toll Collection; -Maritime and Inland Waterways Transport	**Integrating Water Transport in the Logistics Chain:** The objective of INTERPORT is to implement and test a system of automatic identification equipment, integrating the □ort hcal movements of vehicles and containers in the ports with the information flow through the EDI (Electronic Data Inter-change) network. http://www.cordis.lu/telematics/tap_transport/research/projects/interport.html	
ISAM	IA 1106 TR	Air Transport	Integrated system for Small Airport Management http://www.cordis.lu/telematics/tap_transport/research/projects/isam.html	
KAREN	TR 4108	Common Activities, Telematics Infrastructure and Common Services, Telematics Infrastructure and Common Services	Keystone Architecture Required for European Networks http://www.cordis.lu/telematics/tap_transport/research/projects/□ort .html	
LACOS	TR 4019	-Vehicule Control	**Lateral Control Support:** The main objective of this project is the validation of autonomous systems capable of providing driver assistance for Anti-collision purposes along the lateral axis of the vehicle. It integrates the two main functions of vehicle lateral control: “Lane Warning Support” and “Lane Change Support”. http://www.cordis.lu/telematics/tap_transport/research/projects/lacos.html	30 Monate
MAGNET A	TR 1034	Maritime and Inland Waterways Transport, Telematics Infrastructure and Common Services	Multi-modal Approach for GNSS-1 in European Transport A http://www.cordis.lu/telematics/tap_transport/research/projects/magnet_a.html	
MAGNET B	TR 1035	Maritime and Inland Waterways Transport, Telematics Infrastructure and Common Services	Multi-modal Approach for GNSS-1 in European Transport B http://www.cordis.lu/telematics/tap_transport/research/projects/magnet_b.html	
MANTEA	TR 1036	Air Transport	Management of Surface Traffic in European Airports http://www.cordis.lu/telematics/tap_transport/research/projects/mantea.html	
MARCO	TR 1037	Railway transport	Multilevel Advanced Railways Conflict Resolution and Operation Control http://www.cordis.lu/telematics/tap_transport/research/projects/marco.html	

Akronym	N°	Area	Inhalt	Laufzeit
MATISSE 2000	IA 1109	-Traveller Intermodality and Public Transport	**Metropolitan Area Tourist Information Support System for Europe 2000 :** MATISSE2000 accordingly investigated how Information and Communications Technologies (ICT) can be used to support all parties concerned: - the tourists, before they set out or while they are travelling to a specific area, in requesting and obtaining information, and accessing services from a distance - tourists when they are actually in the area, in receiving useful information and accessing services and facilities locally - SMEs working in the tourist market, in promoting their facilities and products and giving better service to their customers - the Administrations, in improving the management of the whole area, like management of traffic and □ort he, increasing the services and their effectiveness to the citizens and tourists, and maximising the benefit the local economy. There were three main actions that were used to address the issues: 1) improving the knowledge and analysis about key factors in each of the areas involved, in particular in view of their possible use as reference cases 2) collecting and analysing ICT solutions, approaches and experience on specific issues 3) evaluating the best solutions and refining and customising them for the local conditions http://www.cordis.lu/telematics/tap_transport/research/projects/matisse2000.html http://www.MATISSE2000.Org	12 Monate
MORANE	TR 1038	Railway transport	Mobile Radio for Railway Networks in Europe http://www.cordis.lu/telematics/tap_transport/research/projects/morane.html	
MOVE-IT	TR 1105	-Automatic Debiting and Toll Collection	**Motorway Operators Validate Electronic Fee Collection for Interoperable Transport :** The main objective of MOVE-it is to pave the way towards the introduction and deployment on the Trans-European motorway network of interoperable Electronic Fee Collection (EFC) systems, that will enable people and goods to move without avoidable delays. MOVE-it has put this main objective into a concrete form by translating it into the following tasks: - Verifying the requirements for contractual interoperability, and providing an “enabling toolbox” - Producing validation requirements, which cover the functionality and performance of the EFC system, including the equipment involved and the application - Completing the user requirements with respect to security, vehicle classification and external use of EFC. http://www.cordis.lu/telematics/tap_transport/research/projects/move-it.html http://www.itsproj.com/	24 Monate
MULTITRACK	TR 1039	-Freight Operations, -Maritime and Inland Waterways Transport	**Tracking, Tracing and Monitoring of Goods in an Inter-modal and Open Environment:** The objective of Multitrack is to develop and market a European service that enables different players to monitor, track and locate a shipment in the most transparent way possible throughout the whole logistic chain, whatever the means of transport used (road, rail and sea). http://www.cordis.lu/telematics/tap_transport/research/projects/multitrack.html	36 Monate
PISCES	TR 4020	Maritime and Inland Waterways Transport	Protocols for Integrated Ship Control and Evaluation of Situations http://www.cordis.lu/telematics/tap_transport/research/projects/pisces.html	
POSEIDON	TR 1041	Maritime and Inland Waterways Transport	European Project on Integrated VTS Sea Environment and Interactive Data On-line Network http://www.cordis.lu/telematics/tap_transport/research/projects/□ort he□.html	

Akronym	N°	Area	Inhalt	Laufzeit
PRESTO	TR 4021	Air Transport	Precision Weather Forecasting System for Multimodal Transport http://www.cordis.lu/telematics/tap_transport/research/projects/presto.html	
ProATN	TR 1042	Air Transport	Prototype Aeronautical Telecommunication Network http://www.cordis.lu/telematics/tap_transport/research/projects/proatn.html	
PROMISE	TR 1043	-Traveller Intermodality and Public Transport; -Driver Information	**Personal Mobile Traveller and Traffic Information:** The aim of PROMISE is to provide travellers with a direct and easy access to multimodal traveller and traffic information during their whole journey, through mobile phones and hand-held PCs with wireless data communications (e.g. GSM). → The PROMISE project partners include some leading companies of telecommunications, car and electronics manu-facturing and map and information technology in Europe. http://www.cordis.lu/telematics/tap_transport/research/projects/promise.html http://www.promise.cellulardata.com	36 Monate
QUARTET-PLUS	TR 1044	-Traveller Intermodality and Public Transport; -Automatic Debiting and Toll Collection; -Network and Traffic Management	**Validation of a European Urban and Regional IRTE (Integrated Road Transport Environment) based on Open System Architectures:** QUARTET PLUS has staged demonstrations on a large scale with a variety of implementation scenarios. It has been con-firmed that telematics systems for traffic information and control improve traffic operation and at the same time have a posi-tive environmental impact. Integrating measures in the private and public transport sectors, QUARTET PLUS has shown that telematics offers the possibility to bring different operators together in providing real time information and developing control strategies in response to demand. http://www.cordis.lu/telematics/tap_transport/research/projects/quartet-plus.html http://frida.transport.civil.ntua.gr/qrtplus/	27 Monate
RESPONSE	TR 4022	-Vehicule Control	**Telematics-based Driver Assistance Systems (DAS):** The project is based on integrating user and legal aspects with the technological system, by bringing together leading experts in each field to work on the integration concept. It will carry out theoretical analyses on legal, engineering and psychological factors, followed by empirical studies in the laboratory environment, on test tracks and on public roads, including long-term testing. From these it will to derive recommendations and guidelines. http://www.cordis.lu/telematics/tap_transport/research/projects/response.html	24 Monate
ROSIN	TR 1045	Railway transport	Railway Open System Interconnection Network http://www.cordis.lu/telematics/tap_transport/research/projects/rosin.html	
SAMPLUS	TR 4023	-Traveller Intermodality and Public Transport	**Systems for the Advanced Management of Public Transport Operations:** The overall aim of SAMPLUS was to demonstrate and evaluate Demand Responsive Transport (DRT) services using telematics technologies. SAMPLUS involved undertaking major demonstrations of telematics-based DRT services at five sites in four different EU member states (Belgium, Finland, Italy, Sweden). http://www.cordis.lu/telematics/tap_transport/research/projects/samplus.html http://www.europrojects.ie/samplusmainweb/	19 Monate

Akronym	N°	Area	Inhalt	Laufzeit
SAMPO	TR 1046	-Traveller Intermodality and Public Transport	**Systems for Advanced Management of Public Transport Operations:** SAMPO seeks to develop Demand Responsive Transport Services (DRTS) supported by ITS. The key method is to dentify actual demand for travel and match the transport offer to that demand. In the past, such services have been unattractive, since people needed to book the service a day or more beforehand. SAMPO uses modern telecommunications to put the user in contact with the transport services. Travel Dispatch Centres (TDC) act as a transport broker, through which the user can reserve a transport service. The TDC is supported by a specialised software system which adapts or develops routes based on travel demand and location of the vehicles. http://www.cordis.lu/telematics/tap_transport/research/projects/sampo.html	24 Monate
SANSICOM	TR 4024	Telematics Infrastructure and Common Services	High Technology GNSS Satellite Navigation System with Integrated Communication Link for Road Applications http://www.cordis.lu/telematics/tap_transport/research/projects/sansicom.html	
SATEMA I AND SATEMA II	SU 1113 & SU 1124	Telematics Infrastructure and Common Services	Satellite in □ort he□ca http://www.cordis.lu/□ort he□ca/tap_transport/research/projects/satema12.html	
SAVE	TR 1047	-Vehicule Control	**System for Effective Assessment of Driver State and Vehicle Control in Emergency Situations:** The aim of this project is to develop an integrated system, a “SAVE unit”, that will detect driver state and undertake Emergency handling in real-time, prior to and during an Emergency situation. This will be achieved by instant detection of driver impairment ans shift of car status to automatic driving mode, so as to control it effectively and safely. http://www.cordis.lu/telematics/tap_transport/research/projects/save.html	36 Monate
SCRIPT	TR 1048	-Traveller Intermodality and Public Transport	**System For Community and Rural Integrated Public access Telematics:** The purpose of the SCRIPT feasibility study was to establish the viability and benefis of integrated and cross-sector telematics applications over a number of remote areas. Specific services were proposed for development in SCRIPT, subject to the user needs being confirmed at the beginning of the work, with the aim of improving access to information using multi-media self-service terminals at remote sites. They included: 1) demand-responsive public transport services, 2) multi-modal journey planning and tourist information, 3) improved access to administrative data and services, 4) distance learning modules, especially for SMEs. http://www.cordis.lu/telematics/tap_transport/research/projects/script.html	9 Monate
SHIDESS	TR 1049	Maritime and Inland Waterways Transport	Ship Integrated Decision Support System http://www.cordis.lu/telematics/tap_transport/research/projects/shidess.html	
SIAMS	TR 4025	-Traveller Intermodality and Public Transport; -Maritime and Inland Waterways Transport	**Ship Information and Management System:** The aim of the SIAMS project is to implement and demonstrate novel telematic services to maritime transport companies, customers, and associated services. http://www.cordis.lu/telematics/tap_transport/research/projects/siams.html	24 Monate

Akronym	N°	Area	Inhalt	Laufzeit
SITE	TR 1050	-Traveller Intermodality and Public Transport; -Network and Traffic Management	**Improving Urban Transport in Medium Size Cities:** SITE is a study for implementing transport telematics solutions to mobility problems in medium-sized cities. The principal application areas are: - on bus-stops to provide an information service for passengers, providing data about next buses approaching; (this system is combined with a bus fleet management application to improve the quality of service) - parking information services, providing data about parking availability in central areas - zone access control to restrict access to sensitive areas for unauthorised drivers. The aim is to demonstrate the feasibility of these applications, adapted to technical and financial features of the medium-sized cities, at the technical, operational and socio-economic levels. http://www.cordis.lu/telematics/tap_transport/research/projects/site.html	6 Monate
SUPRA	TR 1052	Air Transport	Support for the Use of Presently Unserved Airspace http://www.cordis.lu/telematics/tap_transport/research/projects/supra.html	
SURFF	TR 1053	-Freight Operations	**Sustainable Urban and Regional Freight Flows:** The SURFF project aims to develop and validate a number of telematic solutions that apply to freight centre users and urban distribution communities. The results will improve the accessibility of information systems and support sustainable freight flows in urban areas. http://www.cordis.lu/telematics/tap_transport/research/projects/surff.html http://www.webhouse.dk/SURFF	
TABASCO	TR 1054	-Traveller Intermodality and Public Transport; -Network and Traffic Management	**Telematics Applications in Bavaria, Scotland and Others:** The project focused on the user-orientated validation of already implemented trans-port telematics systems and the integration of these systems to produce a more efficient transport system as a whole. The main telematics systems demonstrated are control strategies and systems (including variable message signs) for urban, regional and integrated (i.e. linked urban and regional) traffic management, public transport traveller and park-&-ride information, incident warning on motorways, interconnection of traffic information and control centres, and urban traffic control linked with public transport priority. http://www.cordis.lu/telematics/tap_transport/research/projects/□ort he.html	27 Monate
TEAM	SU 1119	Common Activities, Telematics Infrastructure and Common Services, Telematics Infrastructure and Common Services	Telematics EuroDigibus and Mobility http://www.cordis.lu/telematics/tap_transport/research/projects/team.html	
TELSACS	TR 1055	Air Transport	Telematics for Safety Critical Systems http://www.cordis.lu/telematics/tap_transport/research/projects/telsacs.html	
TELSCAN	TR 1108	Common Activities, Telematics Infrastructure and Common Services, Telematics Infrastructure and Common Services	Telematic Standards and Co-ordination of ATT Systems in Relation to Elderly and Disabled Travellers http://www.cordis.lu/telematics/tap_transport/research/projects/telscan.html	

Akronym	N°	Area	Inhalt	Laufzeit
TITAN 1 & TITAN 2	TR 1058 & TR 1107	-Traveller Intermodality and Public Transport	**Transmodel-Based Integration of Transport Applications and Normalisation:** The project Titan concerned validation and further development of the European Reference data model for Public Transport operations (Transmodel). The main objectives of Titan can be summarised as follows: 1) to validate the existing kernel of Transmodel through its implementation in pilot demonstration, 2) to amend it according to the results of the demonstration and user group, 3) to extend the kernel model to other domains of Public Transport operations 4) to enlarge the contents of Transmodel according to the evolution of telematics and communication 5) to disseminate the contents of Transmodel (conceptual data model) and the principles of the open and inter-operable Transmodel architecture 6) to support the standardisation process regarding Transmodel 7) to encourage a dynamic market penetration for Transmodel-based solutions. The project will be carried out in two parts: TITAN/1, a cost shared project will cover point 1 & 2 (siehe die Punkte in der Rubrik "Inhalte") , and TITAN/2, an accompanying measure will cover point 3 to 7. http://www.cordis.lu/telematics/tap_transport/research/projects/titan1.html	36 Monate
TRACAR 1 & TRACAR 2	TR 1059 & TR 4026	-Freight Operations	**Traffic & Cargo Supervision System:** The objective of TRACAR is to encourage users of transport to improve the management of their intermodal cargo movement, by automating aspects of tracking, tracing and monitoring from end-to-end of the supply chain. Part I of the project involved the transport of frozen cargo by road and rail. Part II concerned a road and sea demonstrator for both dry and frozen cargo even when that cargo is stowed below deck on a ship. http://www.cordis.lu/telematics/tap_transport/research/projects/tracar.html	48 Monate
UDC	TR 1060	-Vehicule Control	**Urban Drive Control:** The intention behind the UDC project is to integrate environment and city management with individual drivers` interest, by combining remote driving speed recommendations with autonomus longitudinal control of vehicles. The project will adapt and improve the existing technology, which has been developed for speed and distance control on highways, for operation in urban areas. The objective is to integrate traffic management and vehicle longitudinal control. It will use Short-Range Communication (SRC) technology transmitting driving-speed recommendations via road-side beacons to vehicles equipped with Autonomous Cruise Control (ACC). http://www.cordis.lu/telematics/tap_transport/research/projects/udc.html	36 Monate
VADE MECUM	TR 1061	-Traveller Intermodality and Public Transport; -Network and Traffic Management	**Vehicle ATT Demonstrations, Evaluation and Monitoring on a European Corridor Uniting Member States:** VADE MECUM is a one-year design study. Originally conceived as an integrated demonstrator project, the study has concentrated on leaving a legacy of deliverables that will be of use during the whole life of the demonstrator phases. There are three prime objectives, covering the first two stages of the EC five-stage model for Telematics Application Programme (TAP) projects: 1) to carry out a user need and corridor identification study to justify ATT research within the corridor that is of European significance, 2) to build upon the findings of the user needs study to identify a range of demonstration project options, with an identified methodology for evaluating their benefit and performance, 3) to take a selection of the identified demonstration options and develop them to outline specification level. →(Seven demonstrations specifications have been developed: ITERUM, PRECINCT, ROSINE, TraDEx, EUROSPIN, CELINIS, VADE MECIUM. http://www.cordis.lu/telematics/tap_transport/research/projects/vademecum.html	12 Monate

Akronym	N°	Area	Inhalt	Laufzeit
VASCO	TR 1062	-Automatic Debiting and Toll Collection	**Validation of Short-Range Communications (DSRC):** Dedicated Short-Range Communication (DSRC) has been proposed for standardisation in Europe, as a suitable technology to support road transport and traffic telematics applications (such as Automatic and Electronic Fee Collection (EFC), Access Control, Traffic & Travel Information (TTI), and Dynamic Route Guidance (DRG)). The main objective of the project is to validate DSRC. http://www.cordis.lu/telematics/tap_transport/research/projects/vasco.html	Projekt endete in April 1998
VERA	TR 4027	-Network and Traffic Management	**Video Enforcement for Road Authorities:** VERA has explored issues and opportunities arising through the use of digital systems for enforcing road traffic laws and regulations. The project has made recommendations on the use of digital systems for automated the enforcement process and for enforcing violators across national borders. It has developed a set of common functional specifications for digital enforcement systems and prepared comprehensive guidelines for the evaluation of digital enforcement systems' trials and implementations. VERA has had four main technical elements: - definition of user requirements for digital enforcement systems - derivation of recommendations on ways to harmonise legal, operation and organisational issues in enforcement - development of functional specifications for digital enforcement systems - development of guidelines for evaluating digital enforcement systems. http://www.cordis.lu/telematics/tap_transport/research/projects/vera.html	18 Monate
VISION	TR 4028	Air Transport	Improved Airport Advanced Surface Movement Guidance and Control System by Multisensor Data Fusion http://www.cordis.lu/telematics/tap_transport/research/projects/vision.html	
WELCOM	TR 1063	-Freight Operations, -Railway transport	**West-East Logistics Corridor for Multimodal Transport:** The objective of the WELCOM project is to optimise multimodal freight transport chains, using Freight Resource Management Tools (FRMTs) and other advanced transport telematics (ATT) applications along the corridor in question. This would promote the use of the alternative transport modes like rail and inland waterways. http://www.cordis.lu/telematics/tap_transport/research/projects/□ort he.html	12 Monate
WISDOM	TR 1064	-Freight Operations, -Maritime and Inland Waterways Transport	**Waterborne Information System Distributed to Other Modes:** The goal of WISDOM WAS to improve the intermodal container transport by providing up-to-date, complete and correct information to all involved partners, together with harmonised working procedures. The WISDOM project was a first step. It aimed at studying the feasibility of WISDOM concepts in operational environments and to learn about the realisation possibilities. To achieve this goal two pilots were set up (Rotterdam and Bremen/Hamburg) where some of the improvements have already been realised. http://www.cordis.lu/telematics/tap_transport/research/projects/wisdom.html	20 Monate

Tabelle 4: Verbindungen zu anderen Projekten (Vorläuferprojekt, Nachfolgeprojekt)

Telematics Applications Programme (4FP, 1994 – 1998) – Verbindungen zu anderen EU-Projekten

Akronym	Inhalt	Projekte (Fortführung / Zusammenhang mit anderen Projekten)
A1	**Interoperability of European EFC Systems Based on DSRC**	**CARDME-** Support(-a forum at government level for the discussion of cross-border inter-operability of motorway tolling systems) **MOVE-it**- Motorway Operators Validate Electronic Fee Collection for Interoperable Transport **VASCO**- Validation of Short-Range Communications (DSRC) **CASH**- Coordination of ADS Specifications for Harmonization DELTA
AATMS	Airborne Air Traffic Management System	
AC-ASSIST	**Anti-Collision Autonomous Support and Safety Intervention System**	
ADEPT II	**Automatic Debiting And Electronic Payment For Transport II**	**ADEPT III**- (new developments in smart cards) geplante Fortführung Follow-up project of **PAMELA-** Pricing and Monitoring Electronicall of Automobiles (2nd FP) **ADEPT I**- Automatic Debiting and Electronic Payment for Transport (3th FP) **DISTINCT-** Many of the sites from ADEPT II (Finland, Thessaloniki, Zeeland and Newcastle) are participating in this IADS digital sites
ADVICE	**Advanced Vehicle Classification and Enforcement**	
AHSEA	**Advanced Driver Assistance Systems in Europe (ADASE)**	**Prometheus, Drive**
AIRPORT-G	Airport Integrated Research & Development Project for Operational Regulation of Traffic-Guidance	
ANIMATE	Added Support to Strategy, Cohesion and Dissemination for Transport and Environment Projects	
APOLO	Advanced Position Locator system	
ARTEMIS 2	Advanced Road Transport Electronic Management Information Systems	**COMETA**- Commercial Vehicle Electronic and Telematic Architecture **INTACT**- Integrated Telematics for Advanced Communication in freight Transport
ATHOS	Airport Tower Harmonised Controller System	
AUSIAS	**ATT in Urban Sites with Integration and Standardisation**	**DRIVE I & II** Ein wesentlicher Teil der hier verwendeten Technologien wurde in (European Research and Development programmes) in **ESPRIT** und (national Spanish R&D initiatives) **PASO** entwickelt

Akronym	Inhalt	Projekte (Fortführung / Zusammenhang mit anderen Projekten)
CALYPSO	**Contact And Contactless Telematics platform Yielding a Citizen Pass integrating urban Services and financial Operations**	**ICARE**- Integration of Contactless technologies into public transport environment This project builds on the successful results of the ICARE project, which implemented multi-operator ticketing systems in Paris, Venice, Lisbon and Constance. These systems impacted altogether more than 15% of the population of Europe.
CAPE	Coordinated Action for Pan-European Transport and Environment Telematics Implementation Support	
CAPITALS	**Integrated Telematics Applications on Large Scale**	**CAPITALS PLUS**- Partnership in Launching further Useful Information Services (Follow-up project)
CAPITALS PLUS	**Partnership in Launching further Useful Information Services**	**CAPITALS**- Integrated Telematics Applications on Large Scale (Predecessor)
CARDME	**CARDME Support(-a forum at government level for the discussion of cross-border inter-operability of motorway tolling systems)**	**Cardme 4**- planned follow-up project **CESARE, VIKING, CENTRICO**
CARISMA	Concerted Architectures for the Interconnection of Networks for Sustainable Mobility with Telematics Applications	
CARPLUS	**Integration of Carpooling among the Union Cities**	
CHAUFFEUR	**Promote-chauffeur**	
CINCAT	Capacity Increase through Computer Assistance Tools	
CLEOPATRA	**City Laboratories Enabling Organisation of Particularly Advanced Telematics Research and Assessments**	**MARGOT**
CODE	Co-ordinated Dissemination in Europe of Transport Telematics Achievements	
COMBINE	Enhanced Control Centre for a Moving Block Signalling System	
COMETA	Commercial Vehicle Electronic and Telematic Architecture	**KAREN**- Keystone Architecture Required for European Networks **INTACT**- Integrated Telematics for Advanced Communication in freight Transport Close co-operation with both projects
COMMAN	Communication Manager System for Data Exchange for Ship Operations	
CONCERT	**Cooperation for Novel City Electronic Regulating Tools**	**GAUDI**- Generalised and Advanced Urban Debiting Innovations **CONCERT-P**- Co-operation for Evaluation of City Road Pricing Tools
CONVERGE	Transport Telematics Support and Consensus	

Akronym	Inhalt	Projekte (Fortführung / Zusammenhang mit anderen Projekten)
COREM	Cooperative Resource Management for the Transport of Unit Loads	**(MARIS)**
COSMOS	**Congestion Management Strategies and Methods in Urban Sites**	
CROMATICA	**Crowd Management with Telematic Imaging and Communications Assistance**	**PEDMON, DIMUS, PASSWORD (ESPRIT-Projekte)**
DACCORD	**Development and Application of Co-ordinated Control of Corridors**	**DYNA**- Dynamic Traffic Model for Real-Time Applications (DRIVE-2) **EUROCOR**- European Urban Corridor Control (DRIVE-2) **GERDIEN**- General European Road Data and Information Exchange Network (DRIVE-2) **KAREN**- Keystone Architecture Required for European Networks **SATIN**
DADI	Datalinking of Aircraft Derived Information	
DAFUSA	Data Fusion for Airports	
ECHO	European Chart Hub Operations	
ELSA	European Ladgnss Standardisation Activites	
ENTERPRICE	**Enhanced Network for Traffic Services and Information Provided by Regional Information Centres in Europe**	**RHAPIT, FRUIT**
EOLIA	European pre-Operational DataLInk Applications	
EPISODE	**European Pre-operational Implementation Survey On further Development and Evaluation of RDS/TMC (Broadcast sector)**	Follow-up project of DRIVE-1 & DRIVE-2 projects **FORCE**- Enhanced Field Projects for Large-scale Introduction and Validation of RDS-TMC Services in Europe **ECORTIS**
ESCORT	**European Standard Controller for Intersections with Advanced Road Traffic Sensors**	
EU-SPIRIT	**European System for Passenger services with Intermodal Reservation, Information and Ticketing**	**CONVERGE**- Transport Telematics Support and Consensus
EURONAV	European Contribution to the GNSS-2 Navigation System	

Akronym	**Inhalt**	**Projekte (Fortführung / Zusammenhang mit anderen Projekten)**
EUROPE-TRIS	European Railways Optimisation Planning Environment – Teleconferencing Railways Information System	TRIS is part of EuROPE, a wider RTD initiative based on three projects which address the new situation: **- TRIP**: Transportation Railway Integrated Planning **- TRIS**: Teleconferencing Railways Information System **- TRIO**: Transportation Railways Innovative Optimisation TRIO introduces support for workflow management, and TRIP (sponsored by DGVII) focuses on more strategic planning models.
EUROSCOPE	**Efficient Urban Transport Operation Services Co-Operation of Port Cities in Europe**	**SCOPE**- Application of ATT in Southhampton, Cologne and Piraeus
EUROSPIN	**European Seamless Passenger Information Network**	**TELSCAN**- Telematic Standards and Co-ordination of ATT Systems in Relation to Elderly and Disabled Travellers **PROMISE**- Personal Mobile Traveller and Traffic Information **INFOPOLIS 2**- Advanced passenger information for European citizens of 2000 **VADE MECUM**- Vehicle ATT Demonstrations, Evaluation and Monitoring on a European Corridor Uniting Member States
EUROTRACS	**European Traveller Care Services**	
EVIDENCE	Extensive Validation of Identification Concepts in Europe	
FACTEUR	Freight-Aware Consignments using Telematics in EURope	
FARAWAY	Fusion of Radar & ADS data through two data link	
FARAWAY II	Transport of ATM services on the STDMA network	
FLEETMAP	Fleet Mobile Application Protocol	
FORCE 1 & FORCE 2	**Enhanced Field Projects for Large-scale Introduction and Validation of RDS-TMC Services in Europe**	Basiert auf **„DEFI action line of DG VII“**
GNSS	Global Navigation Satellite System	
GNSS SAGE	GNSS Satnav Advisory Group of Experts	
HANNIBAL	**High Altitude Network for the Needs of Integrated Border-Crossing Applications and Links**	Basiert auf den Ergebnissen von **DRIVE II- Projekten**
ICARE	**Integration of Contactless technologies into public transport environment**	
IDES	ISM driven Data Exchange for Ship operation	

Akronym	Inhalt	Projekte (Fortführung / Zusammenhang mit anderen Projekten)
IN-ARTE	**Integration of Navigation and Anti-collision for Rural Traffic Environment**	
IN-RESPONSE	Incident Response with On-line Innovative Sensing	
INES	**Innovative Navigation European System**	
INFOPOLIS	**Advanced Passenger Information in European Cities**	
INFOPOLIS 2	**Advanced passenger information for European citizens of 2000**	
INFOTEN	**Multi-modal Information and Traffic Management Systems on Trans-European Networks**	
INITIATIVE	**Industry Initiative To Introduce Automatic Tolling In Vehicles in Europe**	
INTACT	Integrated Telematics for Advanced Communication in freight Trans-port	Basiert auf den Ergebnissen von **DRIVE I & DRIVE II- Projekten**
INTER	Integrating of Networking Technologies for Harmonising the European Railways	
INTERCEPT	**INTERmodal Concepts in European Passenger Transport**	**GAUDI**- Generalised and Advanced Urban Debiting Innovations **CONCERT (P)**- Co-operation for Evaluation of City Road Pricing Tools **CENTAUR, ANTARES, ZEUS**
INTERPORT	**Integrating Water Transport in the Logistics Chain**	
ISAM	Integrated system for Small Airport Management	
KAREN	Keystone Architecture Required for European Networks	
LACOS	**Lateral Control Support**	**RESPONSE**- Telematics-based Driver Assistance Systems (DAS)
MAGNET A	Multi-modal Approach for GNSS-1 in European Transport A	
MAGNET B	Multi-modal Approach for GNSS-1 in European Transport B	
MANTEA	Management of Surface Traffic in European Airports	
MARCO	Multilevel Advanced Railways Conflict Resolution and Operation Control	

Akronym	Inhalt	Projekte (Fortführung / Zusammenhang mit anderen Projekten)
MATISSE 2000	**Metropolitan Area Tourist Information Support System for Europe 2000**	
MORANE	Mobile Radio for Railway Networks in Europe	
MOVE-IT	**Motorway Operators Validate Electronic Fee Collection for Inter-operable Transport**	**ADEPT**- Automatic Debiting And Electronic Payment For Transport **ADS**- Automatic Debiting Systems **CASH**-Coordination of ADS Specifications for Harmonization **GAUDI**- Generalised and Advanced Urban Debiting Innovations all DRIVE-II projects
MULTITRACK	Tracking, Tracing and Monitoring of Goods in an Inter-modal and Open Environment	
PISCES	Protocols for Integrated Ship Control and Evaluation of Situations	
POSEIDON	European Project on Integrated VTS Sea Environment and Interactive Data On-line Network	
PRESTO	Precision Weather Forecasting System for Multimodal Transport	
ProATN	Prototype Aeronautical Telecommunication Network	
PROMISE	**Personal Mobile Traveller and Traffic Information**	
QUARTET-PLUS	**Validation of a European Urban and Regional IRTE based on Open System Architectures**	Project is based on results of **QUARTET**- Quadrilateral Advanced Research on Telematics for Environment and Transport (3th FP)
RESPONSE	**Telematics-based Driver Assistance Systems (DAS)**	
ROSIN	Railway Open System Interconnection Network	
SAMPLUS	**Systems for the Advanced Management of Public Transport Operations**	Project is based on results of **SAMPO**- Systems for Advanced Management of Public Transport Operations
SAMPO	**Systems for Advanced Management of Public Transport Operations**	**SAMPLUS**- Systems for Advanced Management of Public Transport Operations
SANSICOM	High Technology GNSS Satellite Navigation System with Integrated Communication Link for Road Applications	
SATEMA I & SATEMA II	Satellite in Telematics	

Akronym	Inhalt	Projekte (Fortführung / Zusammenhang mit anderen Projekten)
SAVE	**System for Effective Assessment of Driver State and Vehicle Control in Emergency Situations**	**DETER**- Detection, Enforcement and Tutoring for Error Reduction (DRIVE II) **DREAM**- A Feasibility Stydy for Monitoring Driver Status (DRIVE I) **GIDS**- Generic Intelligent Driver Support (DRIVE I) **AUTOPOLIS**- Automatic Policing Information Systems (DRIVE I) **PROMETHEUS**
SCRIPT	**System For Community and Rural Integrated Public access Telematics**	Co-operation with **CODE**- Co-ordinated Dissemination in Europe of Transport Telematics Achievements **CONVERGE**- Transport Telematics Support and Consensus **DEPLOY**
SHIDESS	Ship Integrated Decision Support System	
SIAMS	**Ship Information and Management System**	
SITE	**Improving Urban Transport in Medium Size Cities**	
SUPRA	Support for the Use of Presently Unserved Airspace	
SURFF	Sustainable Urban and Regional Freight Flows	
TABASCO	**Telematics Applications in Bavaria, Scotland and Others**	**LLAMD**- Euro-Projekt (London, Lyon, Amsterdam, Munich and Dublin, with MARGOT)
TEAM	Telematics EuroDigibus and Mobility	
TELSACS	Telematics for Safety Critical Systems	
TELSCAN	Telematic Standards and Co-ordination of ATT Systems in Relation to Elderly and Disabled Travellers	
TITAN 1 & TITAN 2	**Transmodel-Based Integration of Transport Applications and Normalisation**	
TRACAR 1 & TRACAR 2	Traffic & Cargo Supervision System	
UDC	**Urban Drive Control**	**PRIMAVERA**- Priority Management for Vehicle Efficiency Environment and Road Safety on Arterials
VADE MECUM	**Vehicle ATT Demonstrations, Evaluation and Monitoring on a European Corridor Uniting Member States**	
VASCO	**Validation of Short-Range Communications (DSRC)**	**MOVE-IT**- Motorway Operators Validate Electronic Fee Collection for Interoperable Transport (Resultate aus **DRIVE II Projekten**)

Akronym	Inhalt	Projekte (Fortführung / Zusammenhang mit anderen Projekten)
VERA	**Video Enforcement for Road Authorities**	Based on results of **KAREN**- Keystone Architecture Required for European Networks **CONVERGE**- Transport Telematics Support and Consensus
VISION	Improved Airport Advanced Surface Movement Guidance and Control System by Multisensor Data Fusion	
WELCOM	West-East Logistics Corridor for Multimodal Transport	**VADE MECUM**- Vehicle ATT Demonstrations, Evaluation and Monitoring on a European Corridor Uniting Member States
WISDOM	Waterborne Information System Distributed to Other Modes	**VADE MECUM**- Vehicle ATT Demonstrations, Evaluation and Monitoring on a European Corridor Uniting Member States

Tabelle 5: Telematics Applications Programme (4FP, 1994 – 1998) – Überblick über die an der Projektdurchführung beteiligten Staaten

Akronym	Area	Inhalt	AT	BE	CH	CZ	DE	DK	EE	ES	FI	FR	GB	GR	HU	IE	IT	NL	NO	PL	PT	RO	SE	Allgemein
A1	-Traveller Intermodality and Public Transport; -Automatic Debiting and Toll Collection	**Interoperability of European EFC Systems Based on DSRC**					**x**					**x**											**x**	
AATMS	Air Transport	Airborne Air Traffic Management System																						x
AC-ASSIST	-Vehicule Control	**Anti-Collision Autonomous Support and Safety Intervention System**																						**x**

Akronym	Area	Inhalt	AT	BE	CH	CZ	DE	DK	EE	ES	FI	FR	GB	GR	HU	IE	IT	NL	NO	PL	PT	RO	SE	Allgemein
ADEPT II	-Traveller Intermodality and Public Transport; -Automatic Debiting and Toll Collection	**Automatic Debiting And Electronic Payment For Transport II**									**x**			**x**									**x**	
ADVICE	-Automatic Debiting and Toll Collection	**Advanced Vehicle Classification and Enforcement**			**x**								**x**						**x**					
AHSEA	-Vehicule Control	**Advanced Driver Assistance Systems in Europe (ADASE)**																						**x**
AIRPORT-G	Air Transport	Airport Integrated Research & Development Project for Operational Regulation of Traffic-Guidance										x						x						
ANIMATE	Common Activities, Telematics Infrastructure and Common Services, Telematics Infrastructure and Common Services	Added Support to Strategy, Cohesion and Dissemination for Transport and Environment Projects																						x
APOLO	Railway transport	Advanced Position Locator system				x				x		x												
ARTEMIS 2	-Freight Operations	**Advanced Road Transport Electronic Management Information Systems**										**x**		**x**				**x**						**(x)**
ATHOS	Air Transport	Airport Tower Harmonised Controller System					x					x	x				x	x						

Akronym	Area	Inhalt	AT	BE	CH	CZ	DE	DK	EE	ES	FI	FR	GB	GR	HU	IE	IT	NL	NO	PL	PT	RO	SE	Allgemein
AUSIAS	-Traveller Intermodality and Public Transport; -Network and Traffic Management	**ATT in Urban Sites with Integration and Standardisation**								x														
CALYPSO	-Traveller Intermodality and Public Transport; -Automatic Debiting and Toll Collection	**Contact And Contactless Telematics platform Yielding a Citizen Pass integrating urban Services and financial Operations**					x					x					x				x			
CAPE	Common Activities, Telematics Infrastructure and Common Services, Telematics Infrastructure and Common Services	Coordinated Action for Pan-European Transport and Environment Telematics Implementation Support																						x
CAPITALS	-Traveller Intermodality and Public Transport; -Freight Operations; -Driver Information; -Automatic Debiting and Toll Collection; -Network and Traffic Management	**Integrated Telematics Applications on Large Scale**		x			x			x		x					x							
CAPITALS PLUS	-Traveller Intermodality and Public Transport; -Freight Operations; -Driver Information; -Automatic Debiting and Toll Collection; -Network and Traffic Management	**Partnership in Launching further Useful Information Services**		x			x			x		x					x							

Akronym	Area	Inhalt	AT	BE	CH	CZ	DE	DK	EE	ES	FI	FR	GB	GR	HU	IE	IT	NL	NO	PL	PT	RO	SE	Allgemein
CARDME	-Automatic Debiting and Toll Collection	**CARDME Support(- a forum at government level for the discussion of cross-border interoperability of motorway tolling systems)**																						**x**
CARISMA	Common Activities, Telematics Infrastructure and Common Services, Telematics Infrastructure and Common Services	Concerted Architectures for the Interconnection of Networks for Sustainable Mobility with Telematics Applications																						x
CARPLUS	-Traveller Intermodality and Public Transport	**Integration of Carpooling among the Union Cities**			**x**		**x**			**x**		**x**					**x**							
CHAUFFEUR	-Vehicule Control	**Promote-chauffeur**	**x**																					
CINCAT	Air Transport	Capacity Increase through Computer Assistance Tools										x	x											
CLEOPATRA	-Driver Information; -Network and Traffic Management	**City Laboratories Enabling Organisation of Particularly Advanced Telematics Research and Assessments**										**x**	**x**				**x**						**x**	
CODE	Common Activities, Telematics Infrastructure and Common Services, Telematics Infrastructure and Common Services	Co-ordinated Dissemination in Europe of Transport Telematics Achievements																						x
COMBINE	Railway transport	Enhanced Control Centre for a Moving Block Signalling System																x						

Akronym	Area	Inhalt	AT	BE	CH	CZ	DE	DK	EE	ES	FI	FR	GB	GR	HU	IE	IT	NL	NO	PL	PT	RO	SE	Allgemein
COMETA	-Freight Operations, -Common Activities, -Telematics Infrastructure and Common Services, -Telematics Infrastructure and Common Services	**Commercial Vehicle Electronic and Telematic Architecture**																						**x**
COMMAN	Maritime and Inland Waterways Transport	Communication Manager System for Data Exchange for Ship Operations											x											
CONCERT	-Traveller Intermodality and Public Transport; -Automatic Debiting and Toll Collection	**Cooperation for Novel City Electronic Regulating Tools**					**x**			**x**		**x**	**x**	**x**		**x**			**x**					
CONVERGE	Common Activities, Telematics Infrastructure and Common Services, Telematics Infrastructure and Common Services	Transport Telematics Support and Consensus																						x
COREM	-Freight Operations, -Maritime and Inland Waterways Transport	**Cooperative Resource Management for the Transport of Unit Loads**					**x**							**x**										
COSMOS	-Network and Traffic Management	**Congestion Management Strategies and Methods in Urban Sites**					**x**						**x**				**x**							
CROMATICA	-Traveller Intermodality and Public Transport	**Crowd Management with Telematic Imaging and Communications Assistance**										**x**	**x**				**x**							

Akronym	Area	Inhalt	AT	BE	CH	CZ	DE	DK	EE	ES	FI	FR	GB	GR	HU	IE	IT	NL	NO	PL	PT	RO	SE	Allgemein
DACCORD	-Network and Traffic Management	**Development and Application of Co-ordinated Control of Corridors**										**x**					**x**	**x**						
DADI	Air Transport	Datalinking of Air-craft Derived Infor-mation										x	x					x	x					
DAFUSA	Air Transport	Data Fusion for Airports								x											x			
ECHO	Maritime and Inland Waterways Transport	European Chart Hub Operations									x		x						x					
ELSA	Maritime and Inland Waterways Transport	European Ladgnss Standardisation Activites																						x
ENTERPRICE	-Traveller Intermodal-ity and Public Trans-port; -Freight Opera-tions; -Driver Informa-tion; -Automatic Debiting and Toll Collection; -Network and Traffic Manage-ment	**Enhanced Network for Traffic Services and Information Provided by Re-gional Information Centres in Europe**					**x**																	
EOLIA	Air Transport	European pre-Operational Data-Link Applications										x	x					x						
EPISODE	-Driver Information	**European Pre-operational Imple-mentation Survey On further Devel-opment and Evaluation of RDS/TMC (Broad-cast sector)**																						**x**

Akronym	Area	Inhalt	AT	BE	CH	CZ	DE	DK	EE	ES	FI	FR	GB	GR	HU	IE	IT	NL	NO	PL	PT	RO	SE	Allgemein
ESCORT	-Network and Traffic Management	**European Standard Controller for Intersections with Advanced Road Traffic Sensors**								x		x					x							
EU-SPIRIT	-Traveller Intermodality and Public Transport	**European System for Passenger services with Intermodal Reservation, Information and Ticketing**																						x
EURONAV	Telematics Infrastructure and Common Services	European Contribution to the GNSS-2 Navigation System					x			x		x					x							
EUROPE-TRIS	-Freight Operations, -Railway transport	**European Railways Optimisation Planning Environment – Teleconferencing Railways Information System**	x		x		x										x							
EUROSCOPE	-Traveller Intermodality and Public Transport; -Driver Information; -Automatic Debiting and Toll Collection; -Network and Traffic Management	**Efficient Urban Transport Operation Services Co-Operation of Port Cities in Europe**					x					x	x	x		x	x	x						
EUROSPIN	-Traveller Intermodality and Public Transport	**European Seamless Passenger Information Network**									x		x					x						
EUROTRACS	-Traveller Intermodality and Public Transport	**European Traveller Care Services**	x				x					x												

Akronym	Area	Inhalt	AT	BE	CH	CZ	DE	DK	EE	ES	FI	FR	GB	GR	HU	IE	IT	NL	NO	PL	PT	RO	SE	Allgemein
EVIDENCE	Common Activities, Telematics Infrastructure and Common Services, Telematics Infrastructure and Common Services	Extensive Validation of Identification Concepts in Europe																x						
FACTEUR	-Freight Operations	**Freight-Aware Consignments using Telematics in EURope**					**x**				**x**					**x**								**(x)**
FARAWAY	Air Transport	Fusion of Radar & ADS data through two data link															x						x	
FARAWAY II	Air Transport	Transport of ATM services on the STDMA network								x							x							
FLEETMAP	-Freight Operations	**Fleet Mobile Application Protocol**																						**x**
FORCE 1 & FORCE 2	-Driver Information; -Network and Traffic Management	**Enhanced Field Projects for Large-scale Introduction and Validation of RDS-TMC Services in Europe**																						**x**
GNSS	Telematics Infrastructure and Common Services	Global Navigation Satellite System																						x
GNSS SAGE	Telematics Infrastructure and Common Services	GNSS Satnav Advisory Group of Experts																						x
HANNIBAL	-Driver Information; -Automatic Debiting and Toll Collection; -Network and Traffic Management	**High Altitude Network for the Needs of Integrated Border-Crossing Applications and Links**										**x**					**x**							

Akronym	Area	Inhalt	AT	BE	CH	CZ	DE	DK	EE	ES	FI	FR	GB	GR	HU	IE	IT	NL	NO	PL	PT	RO	SE	Allgemein
ICARE	-Traveller Intermodality and Public Transport; -Automatic Debiting and Toll Collection	**Integration of Contactless technologies into public transport environment**					**x**					**x**					**x**				**x**			
IDES	Maritime and Inland Waterways Transport	ISM driven Data Exchange for Ship operation											x											
IN-ARTE	-Vehicule Control	**Integration of Navigation and Anti-collision for Rural Traffic Environment**										**x**					**x**	**x**					**x**	
IN-RESPONSE	Maritime and Inland Waterways Transport	Incident Response with On-line Innovative Sensing					x			x		x		x				x	x					
INES	-Traveller Intermodality and Public Transport	**Innovative Navigation European System**										**x**												
INFOPOLIS	-Traveller Intermodality and Public Transport	**Advanced Passenger Information in European Cities**					**x**			**x**	**x**	**x**	**x**	**x**			**x**							
INFOPOLIS 2	-Traveller Intermodality and Public Transport; -Driver Information; -Network and Traffic Management	**Advanced passenger information for European citizens of 2000**		**x**			**x**			**x**	**x**	**x**					**x**				**x**			
INFOTEN	-Automatic Debiting and Toll Collection	**Multi-modal Information and Traffic Management Systems on Trans-European Networks**	**x**	**x**	**x**		**x**	**x**				**x**					**x**	**x**						

Akronym	Area	Inhalt	AT	BE	CH	CZ	DE	DK	EE	ES	FI	FR	GB	GR	HU	IE	IT	NL	NO	PL	PT	RO	SE	Allgemein
INITIATIVE	-Network and Traffic Management	**Industry Initiative To Introduce Automatic Tolling In Vehicles in Europe**			x		x						x											
INTACT	-Freight Operations	**Integrated Telematics for Advanced Communication in freight Transport**											(x)					(x)			(x)			
INTER	Railway transport	Integrating of Networking Technologies for Harmonising the European Railways																						x
INTERCEPT	-Traveller Intermodality and Public Transport	**INTERmodal Concepts in European Passenger Transport**																						**x**
INTERPORT	-Freight Operations; -Automatic Debiting and Toll Collection; -Maritime and Inland Waterways Transport	**Integrating Water Transport in the Logistics Chain**								x	x		x						x					
ISAM	Air Transport	Integrated system for Small Airport Management																						x
KAREN	Common Activities, Telematics Infrastructure and Common Services, Telematics Infrastructure and Common Services	Keystone Architecture Required for European Networks																						x
LACOS	-Vehicule Control	**Lateral Control Support**					x										x							

Akronym	Area	**Inhalt**	**AT**	**BE**	**CH**	**CZ**	**DE**	**DK**	**EE**	**ES**	**FI**	**FR**	**GB**	**GR**	**HU**	**IE**	**IT**	**NL**	**NO**	**PL**	**PT**	**RO**	**SE**	**Allgemein**
MAGNET A	Maritime and Inland Waterways Transport, Telematics Infrastructure and Common Services	Multi-modal Approach for GNSS-1 in European Transport A					x					x							x					
MAGNET B	Maritime and Inland Waterways Transport, Telematics Infrastructure and Common Services	Multi-modal Approach for GNSS-1 in European Transport B					x					x							x					
MANTEA	Air Transport	Management of Surface Traffic in European Airports										x					x							
MARCO	Railway transport	Multilevel Advanced Railways Conflict Resolution and Operation Control		x							x						x							
MATISSE 2000	-Traveller Intermodality and Public Transport	**Metropolitan Area Tourist Information Support System for Europe 2000**																						**x**
MORANE	Railway transport	Mobile Radio for Railway Networks in Europe					x					x					x							
MOVE-IT	-Automatic Debiting and Toll Collection	**Motorway Operators Validate Electronic Fee Collection for Interoperable Transport**																						**x**
MULTITRACK	-Freight Operations, -Maritime and Inland Waterways Transport	**Tracking, Tracing and Monitoring of Goods in an Intermodal and Open Environment**								**x**														

Akronym	Area	Inhalt	AT	BE	CH	CZ	DE	DK	EE	ES	FI	FR	GB	GR	HU	IE	IT	NL	NO	PL	PT	RO	SE	Allgemein
PISCES	Maritime and Inland Waterways Transport	Protocols for Integrated Ship Control and Evaluation of Situations					x												x					
POSEIDON	Maritime and Inland Waterways Transport	European Project on Integrated VTS Sea Environment and Interactive Data Online Network								x	x		x	x					x					
PRESTO	Air Transport	Precision Weather Forecasting System for Multimodal Transport									x					x				x			x	
ProATN	Air Transport	Prototype Aeronautical Telecommunication Network					x					x	x					x						
PROMISE	-Traveller Intermodality and Public Transport; -Driver Information	**Personal Mobile Traveller and Traffic Information**					**x**				**x**	**x**	**x**					**x**					**x**	
QUARTET-PLUS	-Traveller Intermodality and Public Transport; -Automatic Debiting and Toll Collection; -Network and Traffic Management	**Validation of a European Urban and Regional IRTE based on Open System Architectures**					**x**					**x**	**x**	**x**			**x**						**x**	
RESPONSE	-Vehicule Control	**Telematics-based Driver Assistance Systems (DAS)**					**x**					**x**											**x**	
ROSIN	Railway transport	Railway Open System Interconnection Network					x			x														

Akronym	Area	Inhalt	AT	BE	CH	CZ	DE	DK	EE	ES	FI	FR	GB	GR	HU	IE	IT	NL	NO	PL	PT	RO	SE	Allgemein
SAMPLUS	-Traveller Intermodality and Public Transport	**Systems for the Advanced Management of Public Transport Operations**		**x**							**x**						**x**						**x**	
SAMPO	-Traveller Intermodality and Public Transport	**Systems for Advanced Management of Public Transport Operations**		**x**							**x**					**x**	**x**						**x**	
SANSICOM	Telematics Infrastructure and Common Services	High Technology GNSS Satellite Navigation System with Integrated Communication Link for Road Applications					x																	
SATEMA I AND SATEMA II	Telematics Infrastructure and Common Services	Satellite in Telematics																						x
SAVE	-Vehicule Control	**System for Effective Assessment of Driver State and Vehicle Control in Emergency Situations**										**x**					**x**	**x**					**x**	
SCRIPT	-Traveller Intermodality and Public Transport	**System For Community and Rural Integrated Public access Telematics**																						**x**
SHIDESS	Maritime and Inland Waterways Transport	Ship Integrated Decision Support System															x							
SIAMS	-Traveller Intermodality and Public Transport; -Maritime and Inland Waterways Transport	**Ship Information and Management System**												**x**			**x**							

Akronym	Area	Inhalt	AT	BE	CH	CZ	DE	DK	EE	ES	FI	FR	GB	GR	HU	IE	IT	NL	NO	PL	PT	RO	SE	Allgemein
SITE	-Traveller Intermodality and Public Transport; -Network and Traffic Management	**Improving Urban Transport in Medium Size Cities**																						**x**
SUPRA	Air Transport	Support for the Use of Presently Unserved Airspace								x														
SURFF	-Freight Operations	**Sustainable Urban and Regional Freight Flows**	**x**					**x**				**x**		**x**			**x**	**x**					**x**	
TABASCO	-Traveller Intermodality and Public Transport; -Network and Traffic Management	**Telematics Applications in Bavaria, Scotland and Others**					**x**						**x**					**x**						
TEAM	Common Activities, Telematics Infrastructure and Common Services, Telematics Infrastructure and Common Services	Telematics EuroDigibus and Mobility																						x
TELSACS	Air Transport	Telematics for Safety Critical Systems								x														
TELSCAN	Common Activities, Telematics Infrastructure and Common Services, Telematics Infrastructure and Common Services	Telematic Standards and Co-ordination of ATT Systems in Relation to Elderly and Disabled Travellers																x					x	
TITAN 1 & TITAN 2	-Traveller Intermodality and Public Transport	**Transmodel-Based Integration of Transport Applications and Normalisation**					**x**					**x**												
TRACAR 1 & TRACAR 2	-Freight Operations	**Traffic & Cargo Supervision System**					**x**	**x**									**x**				**x**			

Akronym	Area	Inhalt	AT	BE	CH	CZ	DE	DK	EE	ES	FI	FR	GB	GR	HU	IE	IT	NL	NO	PL	PT	RO	SE	Allgemein
UDC	-Vehicule Control	**Urban Drive Control**															**x**							
VADE MECUM	-Traveller Intermodality and Public Transport; -Network and Traffic Management	**Vehicle ATT Demonstrations, Evaluation and Monitoring on a European Corridor Uniting Member States**																						**x**
VASCO	-Automatic Debiting and Toll Collection	**Validation of Short-Range Communications (DSRC)**					**x**					**x**							**x**		**x**		**x**	
VERA	-Network and Traffic Management	**Video Enforcement for Road Authorities**																						**x**
VISION	Air Transport	Improved Airport Advanced Surface Movement Guidance and Control System by Multisensor Data Fusion					x			x		x							x					
WELCOM	-Freight Operations, -Railway transport	**West-East Logistics Corridor for Multimodal Transport**																						**x**
WISDOM	-Freight Operations, -Maritime and Inland Waterways Transport	**Waterborne Information System Distributed to Other Modes**					**x**											**x**						

Tabelle 6: Telematics Applications Programme (4FP, 1994 – 1998) – Überblick über die unmittelbar an der Projektdurchführung beteiligten Kommunen (Demonstration sites)

AKRONYM	Inhalt	AT	BE	CH	DE	DK	ES	FI	FR	GB	GR	IE	IT	NL	NO	PT	SE
A1	Interoperability of European EFC Systems Based on DSRC								(x)								
AC-ASSIST	Anti-Collision Autonomous Support and Safety Intervention System																
ADEPT II	**Automatic Debiting And Electronic Payment For Transport II**							Helsinki			Thessaloniki						Gothenburg
ADVICE	Advanced Vehicle Classification and Enforcement Es werden die bereits in diesen Ländern existierenden Systeme (Electronic Fee Collection) beschrieben!	(x)					(x)				(x)		(x)		(x)	(x)	
AHSEA	Advanced Driver Assistance Systems in Europe (ADASE)																
ARTEMIS 2	**Advanced Road Transport Electronic Management Information Systems**								**(x)**		**(x)**			**(x)**			

AKRONYM	Inhalt	AT	BE	CH	DE	DK	ES	FI	FR	GB	GR	IE	IT	NL	NO	PT	SE
AUSIAS	**ATT in Urban Sites with Integration and Standardisation** Ziel der Studie ist es zu zeigen, wie ATT (Advanced Transport Telematics) in den Städten helfen kann, u.a. den Verkehrsaufkommen zu reduzieren und –management zu verbessern. Dabei stehenfolgende bereiche im Mittelpunkt: public transport, dynamic information to users, parking management, traffic modelling and incident management.						Valencia										
CALYPSO	**Contact And Contactless Telematics platform Yielding a Citizen Pass integrating urban Services and financial Operations** Geplant: implementation at the Region de Bruxelles Capitale				Konstanz				Paris				Venezia			Lisbon	
CAPITALS	**Integrated Telematics Applications on Large Scale**		Brüssel		Berlin		Madrid		Paris				Rome				
CAPITALS PLUS	**Partnership in Launching further Useful Information Services**		Brüssel		Berlin		Madrid		Paris (Stadt+ Region Ile de France)				Rome				

AKRONYM	Inhalt	AT	BE	CH	DE	DK	ES	FI	FR	GB	GR	IE	IT	NL	NO	PT	SE
CARDME	**CARDME Support(-a forum at government level for the discussion of cross-border inter-operability of motorway tolling systems)** > Einzelne Fallstudien wureden in skandinavischen Staaten. Österreich, Italien, der Schweiz, Großbritannien und Frankreich durchgeführt																
CARPLUS	**Integration of Carpooling among the Union Cities**			Zurich	Stuttgart		Madrid		Paris – Les Ulis				Rome				
CLEOPATRA	**City Laboratories Enabling Organisation of Particularly Advanced Telematics Research and Assessments** In Klammern stehen Städte, die zwar nicht so wichtig aber in diesem Projekt involviert sind;				(Stuttgart)				Lyon, Toulouse (Paris)	London Southampton	(Athen)		Turin				Gothenburg, Stockholm
COMETA	**Commercial Vehicle Electronic and Telematic Architecture**																

AKRONYM	Inhalt	AT	BE	CH	DE	DK	ES	FI	FR	GB	GR	IE	IT	NL	NO	PT	SE
CONCERT	**Cooperation for Novel City Electronic Regulating Tools** Eine Kombination von Smartcard und den Informationstechnologien; Das Ziel der Studie ist den Zugang zu den Informationen (multimodal multiservice system) mit integriertem Zahlungssystem zu erleichtern;				(Hannover)		Barcelona		Marseille	Bristol	Thessaloniki	Dublin	(Bologna)		Trond-heim		
COREM	**Cooperative Resource Management for the Transport of Unit Loads**				Bremen, Bremerhafen, Hamburg						Port of Piraeus, Port of Herakleion						
COSMOS	**Congestion Management Strategies and Methods in Urban Sites** Aufbau und Verifikation eines Verkehrsstau- ungs- und Unfallsmanagements, das auf dem UTC-System (Urban Traffic Control) basiert ;									London	Piraeus		Turin				
CROMATICA	**Crowd Management with Telematic Imaging and Communications Assistance**								Paris	London			Milano				
DACCORD	**Development and Application of Coordinated Control of Corridors**								Paris				Padua-Venice	Amsterdam			

AKRONYM	Inhalt	AT	BE	CH	DE	DK	ES	FI	FR	GB	GR	IE	IT	NL	NO	PT	SE
ENTERPRICE	**Enhanced Network for Traffic Services and Information Provided by Regional Information Centres in Europe**				Frankfurt												
EPISODE	European Pre-operational Implementation Survey On further Development and Evaluation of RDS/TMC (Broadcast sector)																
ESCORT	**European Standard Controller for Intersections with Advanced Road Traffic Sensors**						Valencia		Val de Marne				Milano				
EU-SPIRIT	European System for Passenger services with Intermodal Reservation, Information and Ticketing																
EUROPE-TRIS	**European Railways Optimisation Planning Environment – Teleconferencing Railways Information System**	Innsbruck, Wien		Bern	Mainz								Milano, Rom, Verona				
EUROSCOPE	**Efficient Urban Transport Operation Services Co-Operation of Port Cities in Europe**				Köln, Hamburg				Strasbourg	Southampton/ Hampshire	Piraeus	Cork	Genova	Rotterdam			
EUROSPIN	**European Seamless Passenger Information Network**							Hameen		Lancashire (Manchester)				Rotterdam			

AKRONYM	Inhalt	AT	BE	CH	DE	DK	ES	FI	FR	GB	GR	IE	IT	NL	NO	PT	SE
EUROTRACS	European Traveller Care Services > diese Länder sind involviert; die Studie ist aber eher allgemeiner Natur	(x)			(x)				(x)								
FACTEUR	**Freight-Aware Consignments using Telematics in EURope**		Brüssel (IPC)		Frankfurt (Lufthansa Cargo)			Helsinki (Finland Post, Finnair)									
FLEETMAP	**Fleet Mobile Application Protocol**																
FORCE 1 & FORCE 2	Enhanced Field Projects for Large-scale Introduction and Validation of RDS-TMC Services in Europe > die involtierten Länder wollen anschließend die Resultate einführen;				(x)	(x)	(x)	(x)	(x)	(x)			(x)	(x)			(x)
HANNIBAL	**High Altitude Network ort he Needs of Integrated Border-Crossing Applications and Links** > es handelt sich nicht um die einzelnen Städte sondern viel mehr um den Strassennetz zwieschen den Städten								(Paris, Lyon, Frejus)				(Turin, Milano, Trieste)				
ICARE	**Integration of Contactless technologies into public transport environment**				Euroregion Bodensee				Paris				Venezia			Lisbon	

AKRONYM	Inhalt	AT	BE	CH	DE	DK	ES	FI	FR	GB	GR	IE	IT	NL	NO	PT	SE
IN-ARTE	**Integration of Navigation and Anti-collision for Rural Traffic Environment**								Paris				Turin				(x)
INES	Innovative Navigation European System Validierung der Resultate ist in späteren Pahsen des Projektes vorgesehen;																
INFOPOLIS	**Advanced Passenger Information in European Cities** Im Vordegrund stehen die Systeme, deren Anwendung in mehreren Städten stattfinden soll;				(x)		(x)	Helsinki	(x)	(x)	Piraeus		(x)				
INFOPOLIS 2	**Advanced passenger information for European citizens of 2000** Es sollen vier öffentliche Verkehsunternehmen involviert sein; drei davon sind in Städten mit über 1 Million Einwohner tätig; das viert Unternehmen ist SNCF (French Railways company)								(x)								
INFOTEN	**Multi-modal Information and Traffic Management Systems on Trans-European Networks** > in Klammern sollen auch auf die Regionen hindeuten, die aber vorerst nicht eindeutig indentifiziert sind!	(x)	(x)	(x)	Bavaria	(x)			North-east France				North-west Italy	(x)			(x)

AKRONYM	Inhalt	AT	BE	CH	DE	DK	ES	FI	FR	GB	GR	IE	IT	NL	NO	PT	SE
INITIATIVE	Industry Initiative To Introduce Automatic Tolling In Vehicles in Europe > das Projekt ist allgemeiner Natur; in der ersten Phase wird es aber in der Schweiz (Swis Trial Project), Deutschland (A555) und in Großbritannien (Transport Research Laboratory);			(x)	(x)					(x)							
INTACT	**Integrated Telematics for Advanced Communication in freight Transport** > Durchführung in einzelnen Unternehmen																
INTERCEPT	**INTERmodal Concepts in European Passenger Transport**				Bremen		Barcelona			Bristol							
LACOS	Lateral Control Support > Es geht in erster Linie um die Technologie; Die Entwicklung findet bei Fiat, Renault und Volkswagen statt;																
MATISSE 2000	Metropolitan Area Tourist Information Support System for Europe 2000																
MOVE-IT	Motorway Operators Validate Electronic Fee Collection for Interoperable Transport																
MULTITRACK	**Tracking, Tracing and Monitoring of Goods in an Inter-modal and Open Environment**						(x)										

AKRONYM	Inhalt	AT	BE	CH	DE	DK	ES	FI	FR	GB	GR	IE	IT	NL	NO	PT	SE
PROMISE	**Personal Mobile Traveller and Traffic Information**				(Bayern)			Helsinki	Paris	(Scotland)				(Eurodelta)			Gothenburg
QUARTET-PLUS	**Validation of a European Urban and Regional IRTE based on Open System Architectures**				Stuttgart				Toulouse	(x)	Athen		Turin				Gothenburg
RESPONSE	Telematics-based Driver Assistance Systems (DAS) > Es geht in erster Linie um die Technologie; bei der Entwicklung sind Renault, TÜV Kraftfahrt und VTI (Swedish National Road and Transport Research Institute)																
SAMPLUS	**Systems for the Advanced Management of Public Transport Operations**		(x)					Tuusula, Järvenpää/ Kerava, Nurmijärri		Surrey, West Sussex			(x)				Gothenburg, Stockholm
SAMPO	**Systems for Advanced Management of Public Transport Operations**		Hasselt +Umland					Järvenpää-Region, Seinajoki					Florence, Campi Bisenzio				Gothenburg
SAVE	System for Effective Assessment of Driver State and Vehicle Control in Emergency Situations																

AKRONYM	Inhalt	AT	BE	CH	DE	DK	ES	FI	FR	GB	GR	IE	IT	NL	NO	PT	SE
SCRIPT	**System For Community and Rural Integrated Public access Telematic** (Regionen)**s**							Hameenlinna	Upper Normandy	West Sussex, Devon	Peloponnes	Limerick	Umbria				West Sweden
SIAMS	**Ship Information and Management System** > Demonstration in adriatischen Seehafen in regionalen Touristenzentren										(x)		(x)				
SITE	**Improving Urban Transport in Medium Size Cities**				Bochum		Vitoria						Sienna			Evora	
SURFF	**Sustainable Urban and Regional Freight Flows**	Linz				Aalborg			Le-Havre/ Rouen		Aspropyrgos		Bologna	Tilburg			Stockholm
TABASCO	**Telematics Applications in Bavaria, Scotland and Others**				München					Glasgow, (London, South Yorkshire)				(Amsterdam)			
TITAN 1 & TITAN 2	**Transmodel-Based Integration of Transport Applications and Normalisation**	Salzburg			Hannover				Lyon								
TRACAR 1 & TRACAR 2	**Traffic & Cargo Supervision System**				(x)	(x)							(x)			(x)	
UDC	**Urban Drive Control**												Turin				

AKRONYM	Inhalt	AT	BE	CH	DE	DK	ES	FI	FR	GB	GR	IE	IT	NL	NO	PT	SE
VADE MECUM	**Vehicle ATT Demonstrations, Evaluation and Monitoring on a European Corridor Uniting Member States** > Es geht um das Strassennetzwerk									Belfast, North Wales, North West England, Yorkshire, Humberside		Cork, Dublin		Central Netherlands			
VASCO	**Validation of Short-Range Communications (DSRC)**				Köln/Bonn (A555)				Bretigny, Orleans						Trondheim (E6)		Jšnkšping
VERA	Video Enforcement for Road Authorities																
WELCOM	**West-East Logistics Corridor for Multimodal Transport**																
WISDOM	**Waterborne Information System Distributed to Other Modes**				Bremen, Hamburg									Rotterdam			

Tabelle 7: Systematisierung der TAP-Projekte basierend auf dem CARTS-Bericht

1. Travel and Transport Services

1.1 Multimodal Services to Travellers

Category	Clusters	Relevant TAP projects
Traveller Information Services	Pre-trip information	CONCERT, EUROSCOPE
	On-trip information	INFOPOLIS 2, EUROTRACS
	Video based public transport on board information systems	QUARTET-PLUS, EUROSCOPE
	Mobile personal traveller assistant information systems	PROMISE
	Baggage handling	EUROTRACS
	Intermodal user needs and human machine interface specifications	EUROTRACS, INFOPOLIS 2
		AUSIAS, CAPITALS, EUROSPIN, EU-SPIRIT, ICARE, INFO-TEN, INTERCEPT, TABASCO, TELESCAN
Driver Information Services	Interurban Corridor Demonstration	INFOTEN, TABASCO, PROMISE, HANNIBAL, ENTERPRICE
	Urban Demonstration	TABASCO, CAPITALS, EUROSCOPE
	via RDS-TMC[1)] (--> Digital Audio Broadcasting DAB)	FORCE, EPISODE (--> ENTERPRICE, EUROSCOPE)
	via GSM	PROMISE
	Real-Time Traffic Situation Information	CAPITALS, HANNIBAL
	Personal Traveller Assistant (PTA)	INFOTEN
	Traffic Control Systems	ENTERPRICE, CAPITALS, EUROSCOPE, TABASCO, CONCERT
	Cross Border Exchange of Data	ENTERPRICE, INFOTEN, INTERMATRIX, HANNIBAL, PROM-ISE
	Techniques to Generate Traffic Data, Traffic Control and Information Strategies	CLEOPATRA
	(Other Specific Themes)	TELSCAN, VADE MECUM
Payment and Tolling Systems	Fare Collection nad Integrated Payment Systems	ICARE, CALYPSO, DISTINCT, ADEPT II; CAPITALS, QUAR-TET-PLUS, CONCERT
	Automated Debeting and Tolling Systems	MOVE-IT, INITIATIVE, ADVICE, A1, VASCO, CARDME SUP-PORT, INTERPORT, ENTERPRICE, HANNIBAL, VERA

[1)] *Radio Data System - Traffic Message Channel (RDS-TMC)*

1.2 Services to the Car Driver and Vehicle Control

Category	**Clusters**	**Relevant TAP projects**
Driver-Assistance for Vehicle Control	Infrastructure Supported Driver Assistance Systems	UDC
	Collision Warning and Mitigation	AC ASSIST, LACOS, IN-ARTE
	Integrated Driver Status Monitoring and Emergency Management	SAVE
	Autonomous Driving	CHAUFFEUR
	Legal & Liability Issues / Benefits & Deployment Issues	RESPONSE
	Legal and Institutional Consequences	AHSEA
	Automated Vehicle Guidance	CHAUFFEUR, SAVE, UDC

1.3 Services to Road Operators and Network Users

Category	Clusters	Relevant TAP projects
Network and Traffic Management Telematics Applications	Incident Management	COSMOS (U), EUROSCOPE (U), RESPONSE (IU), ENTERPRICE (IU), HANNIBAL (IU)
	Congestion Management	COSMOS (U), CAPITALS (U), QUARTET PLUS, HANNIBAL (IU), DACCORD (IU)
	Emergency Services	IN-RESPONSE (IU)
	Ramp Metering	TABASCO (U), DACCORD (IU), IN-RESPONSE (IU)
	Intelligent Intersection Control	ESCORT (IU)
	Enforcement and Polocing	VERA (U+IU)
	Links to Info/Control Centres	EUROSCOPE (U), CAPITALS (U), TABASCO (IU), ENTERPRICE (IU), VADEMECUM (IU), HANNIBAL (IU)
	Links Urban(U)-Interurban(IU) Control Centres	CAPITALS (U/IU), TABASCO (U/IU), DACCORD (U/IU)
	Demand Management	CONCERT (U), CAPITALS (U), HANNIBAL (IU)

1.4 Services to Public Transport Operators

Category	Clusters	Relevant TAP projects
Public Transport Operation Domain	Operation of the Vehicle Fleet Demand Responsive Systems, Dynamic Fleet Scheduling	AUSIAS, SAMPO/SAMPLUS
	(Demonstration of) Car Pooling Systems	CARPLUS
	Crowd Management, Station Monitoring	CROMATICA
	Other Operational Support Public Transport Data Model	TITAN, ICARE
	(Smart Card Technologie)	ICARE

1.5 Services to Users and Providers of Rail Transport

Category	Clusters	Relevant TAP projects
Services to Travellers	Passenger Information Systems	ROSIN, APOLO
	Networking Technologies for European Railways	CITHER / INTER
Services to Rail Transport Infrastructure and Fleet Operators	Network Management	EUROPE-TRIS, MARCO, COMBINE
	Fleet Location by GNSS	MAGNET A + B, APOLO
	Freight Resource Management Tools	WELCOM
	Remote Monitoring and Maintenance	ROSIN
Services to Vehicle Operators and Travelling Staff	Mobile Telephone Network for Railways	MORANE
	On Board Monitoring and Maintenance	ROSIN, APOLO

1.6 Services to Freight Shippers and Fleet Operators

Category	Clusters	Relevant TAP projects
Telematics Applications for Freight Intermodality	Freight Resource Management Tools	WISDOM
	Port Information Systems / Communication System for Freight Flows	COREM, SURFF
	Freight / Vehicle Tracking and Tracing	TRACAR II, MULTITRACK, COMETA, INTACT
	Demonstration of Intermodal Applications	EUROSCOPE

1.7 Waterborn Transport Telematics Services

Category	Clusters	Relevant TAP projects
Waterborne Transport Telematics	Interoperable Maritime Vessel Traffic and Environmental Service	POSEIDON, ECHO, MAGNET A+ B
	Ship Navigation and Communication Services and Systems	COMMAN
	Siph Safety and Management Information Systems	PISCES, SHIDESS, IDES
	Intergrating Waterborn Transport in the Intermodal Cargo Chain	TRACAR II, WISDOM, COREM, INTERPORT
	Information Systems for Passenger Support	SIAMS

1.8 Air Transport Telematics Services

Category	Clusters	Relevant TAP projects
	Advanced Surface Movement Guidance and Control System (A-SMGCS)	AIRPORT-G, DAFUSA, MANTEA, VISION, ATHOS
	Communications, Navigation, Surveillance (CNS)	SUPRA, ProATN, EOLIA, FARAWAY I +II, DADI
	Air Traffic Mangement (ATM)	CINCAT, TELSACS
	CNS/ATM Intergrated Avionics	AATMS

2. Telematics Infrastructure and Technologies

Category	Clusters	Relevant TAP projects
Telematics Infrastructure		FORCE, PROMISE, TABASCO, QUARTET-PLUS, CON-CERT, HANNIBAL
System Architecture Framework		KAREN
Protocols nad Charts	Internet TCP / IP Protocols	ROSIN
	Digital Maps and Location Referencing	IN-ARTE
Communications Technologies		FORCE
	Digital Audio Broadcasting (DAB)	EUROSCOPE
	GSM	MORANE
Satellite Navigation/GNSS Systems and Services	Space Segment Aimed at Developing New Satellite Constellations and Architectures	GNSS-1, INES, EURONAV

Category	Clusters	Relevant TAP projects
	User Segment Aimed at Developing GNSS Receivers for Specific Users	GNSS-1, MAGNET A & B, SANSICOM
	Support Projekts Aimed at Developing User Requirements, Standards, Performing Cost Benefit Analysis and Comparing Alternative GNSS Architectures	GNSS -1 & 2, GNSS System Project, SATEMA I & II, ELSA, SAGE
	Radar - Positioning	AS-ASSIST, CHAUFFEUR, LACOS
	Smart Cards - Intergrated Information Transfer	CONCERT, DISTINCT,
Emerging Applications and Techniques	Kiosks or Fixed Information Terminals	INFOTEN, CONCERT, EUROSCOPE
	Personal Traveller Assistance (PTA)	PROMISE, INFOTEN
	Traffic Control Centers / Traffic Information Centers / Platforms	EUROSPIN
	Automatic Incident Detection (AID)	CROMARICA, EUROSCOPE, LACOS
	Remote Monitoring for Vehicle Maintenance	MORANE
Preparing Standardisation		AC-ASSIST, CODE, CONVERGE, CONCERT, ECHO, EPI-SODE, EVIDENCE, FORCE, HANNIBAL, INFOTEN, IN-FOPOLIS, IN-ARTE, KAREN, LACOS, PISCES, ROSIN, SAVE, VASCO

3. Benefits of Transport Telematics Applications

Category	Clusters	Relevant TAP projects
Validation Activities		CONVERGE
User Acceptance		CONVERGE, EUROSCOPE, TABASCO, TELESCAN
Assessment of Impacts and Benefits		CONVERGE

4. Institutional Issues

Clusters	Relevant TAP projects
Agreements Structures for Future Transpot Payment Systems (based on smart cards and electronic purses)	ADEPT II, MOVE-IT
Institutional, Financial and Legal Barrieres to the Success of Transpot Telematics Research	CODE, CONVERGE, CARISMA, TELSCAN, ANIMATE, TEAM

1.2.2 Projekte des Programms ‘TRANSPORT’

Tabelle 8: Überblick über die Themenschwerpunkte und dazugehörigen Projekte des Programms ‚Transport’ der DG TREN

Bereich1: Forschung für ein transeuropäisches multimodales Netz (strategische Forschung)

ACCEPT	Action concerning aCCEptance of new technologies and Procedures in Transport
ADVANCE	Advanced Dissemination and VAlidation Network for Cities in Europe in Transport (Entwicklung von ELTIS)
ARTIST	Agenda for Research on Tourism by Integration of Statistics/ Strategies for Transport
ASSEMBLING	Assembling a European Network of Monitoring Centres for Transport Infrastructure
ASTRA	ASTRA: Assessment of Transport Strategies
BRIDGES	BRIDGES: Building Bridges Between Digital Transport Databases, GIS Applications and Transport Models to Develop ETIS Software Structure
CANTIQUE	Concerted Action on Non-Technical Measures and Their Impact on Air Quality and Emissions
CAPRI	Concerted Action on Transport Pricing Research Integration
CODE-TEN	Strategic Assessment of Corridor Developments, TEN Improvements and Extensions to the CEEC/CIS
COMMUTE	Common Methodology for Multi-Modal Transport Environmental Impact Assessment
CONCERTO	Concertation action for European Information Systems
ECONOMETRIST	Economic Evaluation of the Impacts of Transport Activities on Member States
ECOPAC	Econometrics of Impacts
EMOLITE	Evaluation model for the optimal location of intermodal terminals in Europe
EUNET/SASI	Socio-economic and Spatial Impacts of Transport
EUROSIL	European Strategic Intermodal Links
EXTRA	Exploitation of Transport Research
FANTASIE	Forecasting and Assessment of New Technologies and Transport Systems and Their Impacts on the Environment
GEOSYSTRANS 1	Geomatic database on european transport
HINT	Human Implications of New Technologies
INFOSTAT	Information Systems
INFRAFIN	Financing of Infrastructure Investments
INFREDAT	Methodology for collecting intermodal freight transport data
INTERNAT	Integrated Trans European Network Assessment Techniques
LOGICAT	Concerted Action on Logistics, Supply and Demand Chain Management
MAESTRO	Monitoring, Assessment and Evaluation of Transport Policy Options in Europe
MEET	Methodology for Calculating Transport Emissions and Energy Consumption
MEST	Methods for European Surveys of Travel Behaviour
MESUDEMO	Methodology for establishing a database on transport supply demand and modelling in Europe

MINIMISE	Managing interoperability by improvements in transport system organisation in Europe (trans European transport systems)
MYSTIC	Towards Origin-Destination Matrices for Europe
OD-ESTIM	Cost-efficient Origin/Destination Estimator
PASTEUR	Policy assessment, scenario analysis and transport economic research in Europe
PATS	Pricing Acceptability in the Transport Sector
PETS	Pricing European Transport Systems
POSSUM	Policy Scenarios for Sustainable Mobility
PROFIT	Private operation and financing of trans-European networks
PROTEE	Procedures for Transport Evaluation and Monitoring of Radical Innovations in Learning Experiments
QUITS	Quality Indicators for Transport Systems
RECONNECT	Reducing Congestion by Introducing New Concepts of Transport
SAMI	Strategic Assessment Methodology for the Interaction of CTP Instruments
SCENARIOS	Scenarios for the Trans-European Network
SCENES	Scenarios for European Transport
SITPRO	Study of the Impacts of the Transport RTD Programme
SORT-IT	Strategic organisation and regulation in transport
STEMM	Strategic European Multi-modal Modelling
STREAMS	Strategic Transport Research for European Member States
TENASSESS	Policy Assessment of TEN and Common Transport Policy
TEST	Technologies for European Surveys of Travel Behaviour
TRANSINPOL	Transport information systems policies
TRENEN II STRAN	Models for Transport, Environment and Energy - Version 2 - Strategic Transport Policy Analysis
VAST	GNSS - Value-added Services for Transport
WORKFRET	Working Cultures in the Face of Intermodal Freight Transport Systems

Bereich 2: Eisenbahnverkehr (rail)

ACRUDA	Assessment and Certification Rules for Digital Architectures
CRMA	Cost, Reliability, Maintenance and Availability
EMSET	Eurocab Madrid - Seville European tests
ERTMS TEST PREPARATION	Users specification of the complete ERTMS (European Rail Traffic Management System)
ERTMS/ETCS	Level 1 Pilot Installation Vienna-Budapest
ETCS-VB	Customisation and Tests on Site for the
EUFRANET	Improving the Competitiveness of Rail Freight Services
EUROPE-TRIP	European Railways Optimisation Planning Environment - Transportation Railways Integrated Planning

EUROSIG	Development of the Complete ERTMS Concept
FIRE	Freight Information in the Railway Environment
HEROE	Harmonisation of the European Rail Operating Rules
HISPEEDMIX	High-Speed Freight
HUSARE	Human Safe Rail in Europe (Managing the Human Factor in Multicultural and Multilingual Rail Environments)
HVB	High Voltage Booster
INTELFRET	Intelligent Freight Train
LIBERAIL	Liberalised and Interoperable Railways
METARAIL	Methodologies and Actions for Rail Noise and Vibration Control
MORANE	Mobile Radio for Railway Networks in Europe
OPTIRAILS	Optimisation of Traffic Through the European Rail Traffic Management System
PRORATA	Profitability of Rail Transport and Adaptability of Railways
REMAIN	Modular System for Reliability and Maintainability Management in European Rail Transport
SONERAIL	Socially Necessary Railways

Bereich 2: integrierter Verkehr (integrated)

AFTEI	Air freight transport and European intermodality
APRICOT	Advanced pilot tri-modal transport chains for the corridors west to south/south-east Europe for combined transport
ARTEMIS	Advanced road transport electronic management information systems Keine Informationen verfügbar 0 €!!!
CESAR	Co-operative European System for Advanced Information Redistribution
FACTEUR	Freight-aware consignments using telematics in Europe Keine Informationen verfügbar 0 €!!!
FLEETMAP	Fleet mobile application protocol Keine Informationen verfügbar 0 €!!!
FREIA	Towards the Networking of European Freight Villages
FV-2000	Quality of freight village structure and operations
IDIOMA	Innovative distribution with intermodal freight operation in metropolitan areas
IMPREND	Improvement of Pre- and End-Haulage
IMPULSE	Interoperable Modular Pilot Plants Underlying the Logistic Systems in Europe
INFREDAT	Methodology for Collecting Intermodal Freight Transport Data
INTERCEPT	Intermodal Concepts in European Passenger Transport
INTRARTIP	Intermodal Transport Real-time Information Platform
IQ	Intermodal quality
IRIS	Innovative rail intermodal services
ITESIC	Integration of technologies for European short intermodal corridors
LOGICAT	Concerted action on logistic, supply and demand chain management in Europe

LOGIQ	Intermodal decision (the decision making-process in intermodal transport)
OCTOPUS	Towards distributed heterarchic workflow methods for pro-active tracing of cargo
OSIRIS	Optimised System for an Innovative Rail Integrated Seaport Connection
PISCES	Pipeline intermodal system to support control, expedition and scheduling
PLATFORM	Computer-Controlled Freight Platforms for a Time-tabled Rail Transport System
PRECISE IT	Precise Automatic Location System for the Management of Intermodal Transport Units and Vehicles, Inside Intermodal Terminals
PROMOTIQ	Conditions for the Promotion of a New Generation of Intermodal Transport Services and Operators
QMI	QUATTRE MAINS INTERMODAL
ROLLING SHELF	Palletised Rail Goods
SCANDINET	Promoting Integrated Transport in Peripheral Areas of the Union
SWITCH	Sustainable, workable intermodal transport choices
TACTICS	The Automated Conveying and Transfer of Intermodal Cargo Shipments
TERMINET	Towards a New Generation of Networks and Terminals for Multimodal Freight Transport
UTI-NORM	Current State of Standardisation and Future Standardisation Needs for Intermodal Loading Units
X-MODALL	The Optimisation of Modular Intermodal Freight Systems for Europe 2000+

Bereich 2: Luftverkehr (air)

4MIDABLE	Requirement/Benefit Definition Study Leading to 4-D Meteorological Databases Linked Across Europe
ABEAM	Across Border Effects of Air Traffic Management
ADORA	Analysis and Definition of Operational Requirements for ATM
AEROCERT	Aircraft Environmental Impacts and Certification Criteria
ARAMIS	Advanced Runway Arrivals Management to Improve Airport Safety and Efficiency
ARIBA	Air Traffic Management System Safety Criticality Raises Issues in Balancing Actors Responsibilities
ASIVAL	Assessment of the Air Traffic Management System Configuration Subject to Validation
ATOPS	A-SMGCS testing of operational procedures by simulation
AVENUE	Validation of the European Air Traffic Management System (EATMS)
CASCADE	Contribution for Assessment of Common Air Traffic Management Development in Europe
CAST	Consequences of Future Air Traffic Management Systems for Air Traffic Controller Selection and Training
CAVA	Concerted Action on validation of ATM systems
CONTAMRUNWAY	Contaminated Runways
DAVINCI	Air Traffic Departures and Arrivals
DEFAMM	Demonstration Facilities for Airport Movement Management
EATCHIP	phase III to the European Air Traffic Management System
ECOTTRIS	European Collaboration on Transition Training Research for Improved Safety

EMERALD	Emerging RTD Activities of Relevance to ATM Concept Definition
EMERTA	Safety Assessments for Air Traffic Control
ESTEEM	Evaluation of a Strategy for the Transition from
EURICE	European Research on Aircraft Icing Certification
FACTOR	Development of Functional Concepts from the EATMS Operational Requirements
FARADEX	Functional Architecture Reference for ATM System and Data Exchange
FRIENDLY	Functional Requirement Identification Development of Methodology
FULMEN	Experimental Data and Models for Upgrading Lightning Protection Requirements
GENOVA	General Overall Validation for Air Traffic Management
GORAC	GCAS Operational Requirements and Certification
ICEPS	Injury Criteria for Enhanced Passive Safety in Aircraft
IMPCHRESS	Improved Child Restraint Systems
JAR-TEL	Joint Aviation Requirements - Translation and Elaboration of Legislation
MAICA	Modelling and Analysis of the Impact of Changes in Air Traffic Management
MICA	MET Improvements for Controller Aids
NEAP	North European CNS/ATM Applications Project
NOAA	New Optimisation Approaches for ATFM
OPTAS A	Optimisation of Airport Systems - Part A
OPTAS-B	OPTimisation of airport systems, part B
PATIO	Platform for ATM Tools Integration up to Pre-Operation
PROCTOR	Prototyping and Validation Exercise with Evaluation of Concepts to Meet User Requirements
RHEA	Role of the Human in the Evolution of ATM Systems
SAMS	Advanced Surface Movement Guidance and Control System
SECAM	Safety, Efficiency and Capacity of ATM Methodologies
SOURDINE	Study of Optimisation Procedures for Decreasing the Impact of Noise Around Airports
SRATM	Stress Reduction, Safety and Efficiency in Future ATM through Flight Progress Information
TAPE	Total Airport Performance and Evaluation
TORCH	Technical, economical and operational assessment of an ATM concept achievable from the year 2005
TRAFFIC	Traceability of the Evolution of Communication, Navigation, Surveillance (CNS)
WEATHER	Proposal for Air/Ground Exchange of Weather Data Information

Bereich 2: städtischer Verkehr (urban)

ADONIS	Analysis and Development of a New Insight into the Substitution of Short Car Trips by Cycling and Walking
AFFORD	Acceptability of Fiscal and Financial Measures and Organisational Requirements for Demand Management
AIUTO	Models and Methodologies for the Assessment of Innovative Urban Transport Systems and Policy Options
CAMPARIE	Campaigns for Awareness Using Media and Publicity to Assess Responses of Individuals in Europe
CAPTURE	Cars to Public Transport in the Urban Environment
CARISMA	Concerted Action for the Interconnection of Networks
CONCERT-P	Co-operation for Evaluation of City Road Pricing Tools
DIRECT	Data Integration Requirements of European Cities for Transport
EQUIP	Extending the Quality of Public Transport
EU-SPIRIT	European system for passenger services with intermodal reservation, information and ticketing
FATIMA	Financial Assistance for Transport Integration in Metropolitan Areas
FISCUS	Cost Evaluation and Financing Schemes For Urban Transport Systems
GUIDE	Group for urban interchanges development and evaluation
HSR-COMET	Intermodal Connection of High-speed Railway Terminals in Metropolitan Areas
ICARO	Increase of Car Occupancy through Innovative Measures and Technical Instruments
INCOME	Integration of Traffic Control and Other Measures
INPHORMM	Information and Publicity Helping the Objective of Reducing Motorised Mobility
INTERCEPT	Intermodal concepts in European passenger transport Keine Informationen vorhanden
INTRAMUROS	Integrated Urban Transport Concepts and Market Orientated Urban Transport Systems/On-Demand Urban Transport Systems
ISOTOPE	Improved Structure and Organisation for Urban Transport Operations of Passengers in Europe
LEAN	Introduction of Lean Logistics into Urban Multi-modal Transport Management
LEDA	Legal and Regulatory Measures for Sustainable Transport in Cities
MIMIC	Mobility, Intermodality and Interchanges
MOMENTUM	Mobility Management for the Urban Environment
MOSAIC	Mobility Management Applications in the Community
MOTIF	Market Orientated Transport in Focus
MUSIC	Management of Traffic Using Traffic Flow Control and Other Measures
MUSSST	Multimodal safety satellite system for transport
OPIUM	Operational Project for Integrated Urban Management
OPTIMA	Optimisation 0f Policies for Transport Integration in Metropolitan Areas
PIRATE	Promoting Interchange Rationale Accessibility and Transfer Efficiency
QUATTRO	Quality Approach in Tendering Urban Public Transport Operations
REFORM	Research on Freight Platforms and Freight Organisation
SESAME	Derivation of the Relationship between Land-Use, Behaviour Patterns and Travel Demand for Political and Investment Decisions

SWITCH	Sustainable workable intermodal transport choices
TRANSLAND	Integration of transport and land-use planning
TRANSPRICE	Trans Modal Integrated Urban Transport Pricing for Optimum Modal Split
UTOPIA	Urban Transport Options for Propulsion Systems and Instruments for Analysis
VIRGIL	Verifying and strengthening rural access to transport services
WALCYNG	How to Enhance Walking and Cycling Instead of Shorter Car Trips and to Make these Modes Safer

Bereich 2: Seeverkehr und Binnenschifffahrt (waterbourne)

3SNET	Short sea shipping network information, booking and management system to integrate short sea shipping in the intermodal transport chain
ARCDEV	Arctic demonstration and exploratory voyage
ASDSS	Analysis of Supply and Demand for Shipping Services
ATENCO	Port Cost Analysis
ATOMOS II	Advanced technology to optimize maritime operational safety, integration and interface
BERTRANC	Methodology of safety in marine operations
BoPCom	Baltic basic open port communication
CASMET	Casualty analysis methodology for maritime operations
CATRIV	Conceptional analysis for transportation on rivers
COMFORTABLE	Advanced benefits for logical VTS equipment
DISC	Demonstration of integrated ship control systems
DISC II	Integrated Ship Control System in Practical Demonstration
ECO	ECO-information in European Ports
E-EIS	European Economic Impact Study for the European shipping sector
EMARC	MARPOL Rules and Ship-Generated Waste
EMMA	European Marine Motorways The potential for transferring freight from road to high speed sea transport systems
EUDET	Evaluation of the Danube waterway as a key European transport resource
EUROBORDER	The port as a hub in the intermodal chain
FASS	Fast ships safety
FSEA	Concerted Action on Formal Safety and Environmental Assessment of Ship Operations
HANDIAMI	An Investigation into the Problems of Disabled Passengers in Access and Emergency Situations when Using Marine Transport and the Employment of Disabled Persons in the Maritime Industry
H-SENSE	Harbours - Silting and Environmental Sedimentology
ICE ROUTES	The Application of Advanced Technologies to the Routing of Ships through Sea Ice
IMMUNITY	Impacts of Increased and Multiple Use of Inland Navigation and Identification of Tools to Reduce Impacts
INCARNATION	Efficient inland navigation information system

INCATS	Inland navigation concerted action technical secretariat
INDRIS	Inland Navigation Demonstrator for River Information Services
INFOLOG	Intermodal Information link for Improved logistics
INSPIRE	Innovative ship pilot research
INTRA-SEAS	Integrated Management of Multimodal Traffic in Port Terminals
IPSI	Improved port/ship interface
MARCOM	The impact of multicultural and multilingual crews on maritime communication
MARNET	The MARNET network, proposal for an inter-regional maritime information network
MASIS II	Human Element in Man/Machine Interface and Interaction to Improve Safety and Effectiveness Transport for the European Fleet
MASSOP	Assessment and Development of New Concepts for Management Structures of Ship Owners and Ship Operators
MASSTER	Maritime standardised simulator training exercises register
MBB	Maritime Black Box
METHAR	Harmonisation of European Maritime Education and Training Schemes
MOVIT	A Mobile VTMIS Using Innovative Technology
PHOENIX	Identification and Quantification of the Variables and Parameters that Aid in Evaluating Fire Risks On-Board Ships in Accordance with their Condition.
PROSIT	Promotion of short sea shipping and inland waterway transport by the use of modern telematics
REWORD	Research for enhancement of working conditions onboard ships
RINAC	River-based information, navigation and communication
SAFECO	Safety of Shipping in Coastal Waters
SAFECO II	Safety of shipping in coastal waters: Demonstration of risk assessment techniques for communication and information exchange
SEAGULL	Long Distance Learning Technologies in Maritime Education and Training
SEALOC	Assessing Concepts systems and tools for a Safer more Efficient And Lower Operational Cost of the maritime transport of dangerous goods.
SHIFTING CARGO	Shifting Cargo to Inland Navigation
SPHERE	Small/Medium Sized Ports with Harmonised, Effective - Re-engineered Processes
SSS-CA	Short Sea Shipping Concerted Action
TECHNISEC	Vessel Traffic Management and Information Services Concerted Action - Technical Secretariat
THALASSES	New technologies in maritime transport interacting with the human element assessment of impacts
VASME	Value Added Services for Maritime Environment
VTMIS-NET	Vessel Traffic Management and Information System NETwork
WORKPORT	Work organisation in ports

Bereich 2: Strassenverkehr (road)

ADRIA	Advanced crash dummy research for injury assessment in frontal test conditions
ALT-MAT	Alternative materials in road construction
AMADEUS	Advanced models for analytical design of European pavement structures
ARROWS	Advanced research on road work zone safety standards in Europe
ART	Automated and robotics-based techniques. New solutions for road construction and maintenance
BRIME	Bridge Management in Europe
CERTIFIED	Conception and evaluation of roadside testing instruments to formalise impairment evidence in drivers
COMPATIBILITY	Improvement of Crash Compatibility between Cars
COURAGE	Construction with Unbound Road Aggregates in Europe
DANTE	Designs to Avoid the Need to Travel in Europe
DIATS	Deployment of Inter-urban Advanced Transport Telematics Test Scenarios
DUMAS	Developing Urban Management and Safety
ESCAPE	Enhanced Safety coming from Appropriate Police Enforcement
EUROMOS	European Road Mobility Scenarios
EUROTOLL	European Research Project for Toll Effects and Pricing Strategies
EXTRA 2	Euromethodologies for Travel Assessment
FORCE	Radio Data System/Traffic Message Channel for European Interoperability
GADGET	Guarding Automobile Drivers through Guidance Education and Technology
HIPERTRANS	High Performance Transport Network Modelling and Simulation
MASTER	Managing the Speed of Traffic on European Roads
PARIS	Performance Analysis of Road Infrastructure
PAV-ECO	Pavement Maintenance
PAV-ECO/RIMES	Economic evaluation of pavement maintenance & life cycle cost at project and network-level
POLMIT	Highway Pollutants
PRIMA	Pricing Measures Acceptance
PRIVILEGE	Priorities for Vehicles of Essential User Groups in Urban Environments
PROMISING	Promotion of mobility and safety of vulnerable road users
RECONNECT	Reducing Congestion by Introducing New Concepts of Transport
REDEFINE	Relationship between Demand for Freight Transport and Industrial Effects
ROSITA	Road Site Testing Assessment
SAFESTAR	Safety Standards for Road Design and Redesign
SMARTEST	Simulation Modelling Applied to Road Transport European Scheme Tests
SOFTICE	Survey on Freight Transport Including Cost Comparison for Europe
STAIRS	Standardisation of Accident and Injury Registration Systems

START	Development of Strategies Designed to Avoid the Need for Road Travel
STIMULUS	Segmentation for Transport in Markets Using Latent User Psychological Structures
TASTe	Analysis and Development of Tools for Assessing Traffic Demand Management Strategies
TRACE	Costs of Private Road Travel and Their Effects on Demand, Including Short and Long Term Elasticities
TRAFFIC SAFETY MODEL	Traffic Safety Model
TROPIC	Traffic Optimisation by the Integration of Information and Control
WAVE	Preserving Roads through Traffic Knowledge

Tabelle 9: Beschreibung ausgewählter Projekte des Programms ‚Transport' der DG TREN

Acronym	Cluster		Laufzeit	Untersuchungsgebiet
ACCEPT	strategic	**Action concerning aCCEptance of new technologies and Procedures in Transport.** 1. To facilitate the exhange of information between Member Countries and international organisations regarding the acceptance of new technologies and procedures in transport. 2. To service the Concerted Action Committee to be established for the Concerted Action, by providing a systhesis of results from previous and on-going European research projects in the area and by developing a common understanding among the participants of the requirements for appropriate policy actions and policy needs.	1998-1999	
ADONIS	urban	**Analysis and development of new insight into substitution of short car trips by cycling and walking.** ADONIS aimed to provide general recommendations and guidelines regarding good practice to promote cycling and walking instead of short car trips in cities. The main audiences are planners and policy-makers at local, regional, national and European levels.	1996-1997	case studies / demo sites recommendations for local government and policy
AFFORD	urban	The aims of AFFORD were to define practical measures to implement marginal cost pricing for transport in cities, to assess the potential problems and to provide policy guidelines for introducing such measures. preisliche Maßnahmen: Effektivität und preisliche Auswirkungen; gesetzliche und institutionelle Barrieren, soziale und politische Akzeptanz Internet: http://www.vatt.fi/afford/	1998-1999	case studies / demo sites pricing policy guidelines
AIUTO	urban	Models and methodologies for the **assessment of innovative urban transport systems and policies options.** AIUTO aimed to develop a framework of models and methods for the simulation and evaluation of Transport Demand Management (TDM) measures. TDM policies include: - *pricing measures,* e.g. road pricing, parking charges, public transport fares and cordon charges; - *regulatory measures*, e.g. zone access control, parking restrictions, traffic calming and priority for public transport measures; - *supply systems,* e.g. park & ride and dial-a-ride.	1996-1997	case studies / demo sites modelling methodologies for the simulation, planning and evaluation of TDM measures - single and combined packages pricing and regulatory measures

Acronym	Cluster		Laufzeit	Untersuchungsgebiet
ARTIST	strategic	The goal of ARTIST was to demonstrate how tourism statistics can be related to transport data, as well as providing lessons for urban and transport planners in managing tourism flows. Specific objectives were to: - analyse the share and dynamics of tourism in total mobility; - *review existing visitor management practices, especially in European cities with large tourism flows;* - demonstrate the need for a Community transport initiative on this issue.	1999	case studies / demo sites
ASTRA	strategic	**Assessment of Transport Strategies.** The aim of the ASTRA project was to develop a system dynamics tool capable of analysing the long-term effects of the EU's Common Transport Policy, not only for the transport system but also for the most important connected systems. The tool was also intended to support the comparison of developments over time, not just the static comparison of outcomes in some horizon year (which has been common practice in transport assessments). Internet: http://www.iww.uni-karlsruhe.de/ASTRA (Rothengatter)	1997-1999	Softwaretool
CAMPARIE	urban	CAMPARIE aimed to collate and disseminate strategies for information and awareness campaigns in the transport sector, based on *real-life experiences*, in order to provide decision support for future initiatives. Six campaigns were used as field applications within CAMPARIE, these included promotions of public transport, car free days and traveller information. Detailed evaluation generated the following insights: - The success of a campaign is maximised when combined with one or more specific policy measures (such as traffic restrictions or a new public transport service). - Mixes of measures and mixes of campaigns seem to have an increased effect relative to isolated efforts. - General awareness campaigns need to be repeated at regular intervals; otherwise they lose their 'power' to influence behaviour. Campaigns targeted on specific groups have stronger and longer-lasting effects. - Most of the campaigns studied by CAMPARIE can be transferred to other locations, with appropriate adaptation. Internet: http://www.ivv-aachen.de/camparie/camparie.htm	1997-1998	case studies / demo sites public transport car free days traveller information policy measures
CANTIQUE	strategic	**Concerted Action on Non-Technical Measures and Their Impact on Air Quality and Emissions.** The purpose of CANTIQUE was to assess the effectiveness of non-technical measures in reducing traffic emissions, based on a review of existing European experiences. CANTIQUE found that the most cost-effective measures to reduce CO_2, CO and NO_x emissions were typically parking charges, parking management regulations, road pricing and low emission zones. A positive cost-benefit balance was identified for these measures when demonstrated in certain cities - although in other cities similar measures (particularly road pricing) have shown a benefit/cost ratio of less than one. Infrastructure-based measures such as bus lanes, freight distribution centres and telematics systems seem less cost-effective in meeting environmental objectives, on the evidence available to date. CANTIQUE concluded that the following non-technical measures should be considered as prime candidates when developing local transport strategies, according to the characteristics of the city in question: - in highly congested cities, pricing policies (road pricing, parking pricing) complemented by regulatory policies such as parking controls; - in moderately congested cities with high car usage, measures to promote public transport; - in less congested cities, pricing and taxation (although with only limited effectiveness).	1998-1999	case studies / demo sites bus lanes freight distribution centres parking charges road pricing promotion of public transport
CAPRI	strategic	**Concerted Action for Transport Pricing Research Integration.** The purpose of CAPRI was to facilitate the transfer of information from research projects dealing with the pricing of transport. Key objectives were to: - aid dissemination of results to Member States and other stakeholders; - develop a synthesis of research findings; - help to build a consensus on the implications for policy. Internet: http://www.its.leeds.ac.uk/projects/capri	1998-1999	Pricing implications for policy

Acronym	Cluster		Laufzeit	Untersuchungsgebiet
CAPTURE	urban	**Cars to public transport in the urban environment.** Based on the evidence of demonstrations of packages of measures in 11 cities, the project has published detailed findings on the performance and impacts of different measures: - Changing the capacity or use of the highway: bus lanes and bus only streets; HOV lanes; Public transport prioritisation at junctions - Measures to improve public transport stops and interchanges: Bus stop facilities and locations; Interchanges - Measures to restrict vehicular access to an area - New Transport Systems - Traffic calming strategies - Central Area Parking Strategies CAPTURE concluded that modal change requires a package of measures in a well thought-out strategy. Physical measures are important because they affect the capacity and efficiency of public transport. This is an essential precursor for a change in travel behaviour, whatever the levers (pricing, green commuter plans etc.) used to induce that change. The following recommendations are made: - Carry out public consultation and, preferably, public participation in the scheme design. - Note that physical restrictive measures are probably more acceptable than road pricing measures. - In cities where such changes have not previously been attempted, start small or experimentally in order to build up public support.	1996-1999	case studies / demo sites bus lanes HOV lanes parking stzartegies interchanges
CARISMA	urban	**Co-ordinated ARchitectures for the Interconnection of Networks for Suitable Mobility with Telematics Application.** Interconnection of Trans-European Networks and Regional/Local Networks. The aim of CARISMA was to identify good practice in the inter-connection of transport networks and to help build a consensus on how to tackle key issues, especially by looking from a local perspective at connections with the long-distance networks. Internet: http://www.polis-online.org	1997-2000	case studies / demo sites POLIS-project long distance transport networks interconnection
COMMUTE	strategic	**Common Methodology for Multimodal Transport Environmental Impact Assessment.** COMMUTE had three main objectives, to: - define a methodology for strategic assessment of the environmental impacts of transport policy options; - develop software embodying the main quantitative elements of the methodology; - test the methodology and software in the context of a pilot SEA of the plans for the TEN-T.	1996-1998	Software Tool
CONCERTO	strategic	**Concerted Action for European Transport Information Systems.** CONCERTO has three primary objectives: - To enable and promote the concentration of activities and tasks in the field of Information Systems and other research fields which relate to information gathering and manipulation. - To provide technical support for the organisation and the follow-up of the Concerted Action Committee meetings. - To disseminate the results of Information System projects and promote the development of a European Transport Policy Information System, linking research to policy making.	1997-1998	ETIS Exchange of Information

Acronym	Cluster		Laufzeit	Untersuchungsgebiet
CONCERT-P	urban	**Cooperation for novel city electronic regulating tools.** CONCERT-P aimed to demonstrate and evaluate the use of road pricing measures to change modal split in urban areas. Key interests were to characterise the behavioural responses of participants and to identify how operational barriers could be overcome. The project made a series of recommendations: Urban demonstrations of multi-modal charging regimes with integrated payment systems should be intensified. Projects should: - combine road pricing with public transport alternatives; - use technology to collect data for evaluation and provide a feedback loop to drivers on the financial implications of their daily decisions; - demonstrate the benefits of revenue planning. Governments and relevant authorities should: - introduce enabling legislation so that revenues from road user charging can be re-invested locally to improve travel alternatives where road charges are introduced; - encourage local authorities to integrate public transport services in their pricing schemes; - co-ordinate initiatives to develop multi-modal payment systems.	1996-1998	case studies / demo sites pricing measures road pricing modal split public transport car pooling, lift-sharing company car policy
DANTE	road	Analyse des Reiseverhaltens während der letzten 10 Jahre: benutzte Verkehrsmittel, Grund, Entfernung. Strategien der Städte zur Reduzierung des Verkehrsaufkommens, Übertragbarkeit sowie notwendige Bedingungen für eine erfolgreiche Umsetzung bzw. Identifikation der Hemmnisse; der institutionellen Bedingungen. Untersucht werden 30 Maßnahmen.	1997-1998	case studies / demo sites prognosis 2020 legal and administrative issues
DIATS	road	**Deployment of interurban ATT test scenarios:** Ramp metering, incident detection, adaptive cruise controll, legal conciderations in developing automated driving systems Download Area for reports: http://www.trg.soton.ac.uk/diats/deliver.html Internet: http://www.trg.soton.ac.uk/diats/diats.htm	1996-1999	legal and administrative issues ramp metering
EQUIP	urban	**Extending the Quality of Public Transport.** The EQUIP project has played an important role in providing public transport organisations with relevant, measurable and comparable indicators for benchmarking, in line with the EU Commission's recommended actions to improve public transport systems ('Developing the Citizens' Network', COM(98)431 final). The project's results are mainly addressed to persons responsible for managing benchmarking actions within public passenger transport organisations. Nonetheless, a shorter document on Conclusions and Recommendations has beengenerated for policy makers and other interested readers. Internet: http://www.europrojects.ie/equip	1999-2000	improving public transport benchmarking
EUROMOS	road	**European Road Mobility Scenarios;** Bewertung unterschiedlicher Szenarien 1. The project's goal is to develop mobility scenarios as a tool for evaluating future mobility trends and the impacts on policies and services. The scenarios will demonstrate the mobility behavior of different user segments in a limited number of European conurbations. Some of the relevant data will be on national basis and some on the conurbation level. The data will be input in a data base. Simple models will ensure the comparability of the data. Since only a portion of the required data is qualitative andsome data can not be compared accurately, the scenario description will be qualitative in nature. 2. The scenarios will allow an assessment of the market potential of different mobility services and a means for understanding the user's requirements on available transport options. This assessment will ensure a market oriented view. Much of the existing data is available with the partners and will be combined with data from fed in from other EC projects. 3. The scenarios will also allow an evaluation of transport policies with respect to if and how their goals can be achieved. The goals concerning sustainable mobility are already known along with the actions considered possible by policy decision takers. The primary focus concerns the regional/national comparisons of the effects of various policies on mobility. Internet: http://www.cordis.lu/transport/src/euromos.htm	1998	case studies / demo sites private needs, (transporting children to and from school) demand management, (the sale of capacity on private road infrastructure); **car leasing and sharing** arrangements

Acronym	Cluster		Laufzeit	Untersuchungsgebiet
EUROTOLL	road	**European Project for Toll Effects and Pricing Strategies** - road pricing, integrated payment systems (tolls, parking fee) EUROTOLL, aimed at providing transport policy-makers with information on the potential effects of different types of road pricing and tolling strategies, specifically concerning: - the designs of road pricing systems and their effects on the fluidity of traffic and the potential to reduce congestion; - the ensuing changes in demand and travel patterns; the effects on user behaviour of integrating information and pricing actions; - the issues concerning reductions in externalities, congestion management, user acceptance and social acceptability.	1996-1999	case studies / demo sites road pricing integrated payment systems recommendations for policy congestion management
EU-SPIRIT	urban	**European System for Passenger Services with Intermodal Reservation, Information and Ticketing.** Main Contractor Deutsche Bahn *project runs in the scope of the TAP-Transport projects*	1998-2000	*noch keine Projektergebnisse bzw. Beschreibung verfügbar*
FANTASIE	strategic	Assessment of new technologies and environmental issues. The main objectives of FANTASIE were to: - identify new technologies that could have a major impact on transport systems in Europe and the attainment of CTP objectives; - develop and validate methods of technology assessment suitable for a European perspective; - assess technologies particularly with respect to their environmental, safety, efficiency and socio-economic impacts; - *evaluate how technologies could affect policy goals,* and to - *identify policy actions needed to influence technology deployment.* Particularly promising technologies were seen as: - *telematic technologies* - likely to be of benefit across all impact categories - such as on-board emissions management, multi-modal traveller information and trip planning, dynamic route planning and navigation, electronic tolling, anti-collision systems, smart cards, intelligent cruise control and traffic management systems; - fuel cell and hybrid propulsion systems, ... - improvements in the conventional all-purpose car... - engines and reduced weight.... - airships for moving heavy and bulky loads; - new systems for personal rapid transit; - road trains. Internet: http://www.etsu.com/fantasie/fantasie.htm	1997-1999	multi-modal traveller information dynamic route palnning and navigation electronic tolling samrt cards traffic management systems
FATIMA	urban	Financial Assistance for Transport Integration in Metropolitan Areas The aim of FATIMA was to identify the differences between urban transport strategies optimised using public funds and those requiring private funding, and to provide guidance on how best to use private sector funding. FATIMA made a series of recommendations for the design of optimal transport strategies, the involvement of the private sector, methodology for strategy optimisation and priorities for further research. Internet: http://www.its.leeds.ac.uk/research/index.html	1997-1998	case studies / demo sites funding

Acronym	Cluster		Laufzeit	Untersuchungsgebiet
FISCUS	urban	Cost Evaluation and Financing Schemes for Urban Transport Systems The aim of FISCUS was to define and present a framework for evaluating the real costs of urban transport and assessing the appropriate choice of financing scheme. FISCUS has produced a handbook giving practical guidelines on evaluating the costs of urban mobility and selecting ways to finance it. This is intended particularly for policy-makers, planners and the managers of operating companies. The handbook covers two main issues: who pays for what, and who puts up the money (e.g. for new investments). Seven types of cost are addressed, i.e. those associated with infrastructure, vehicle-related operations, congestion, accidents, emissions, noise and other external effects. A step-by-step method of estimating these costs for their own city, with worked examples is given. FISCUS identified three financing packages for consideration, each combining various pricing mechanisms and sources of finance. The circumstances in which each package might work well are described. - One is based on electronic road pricing, parking/cordon charges and public transport tariffs all being differentiated by time of day, with public budgets providing subsidies and capital as necessary. - Another is again based on differentiated charges, but with private finance and value capture. - The third is based on making each mode commercially viable, with no subsidies or cross financing.	1998-1999	
GUIDE	urban	Group for Urban Interchanges Development & Evaluation. The promotion of urban public transport would benefit from improving the quality of interchanges. The main objective of GUIDE was to develop and disseminate guidance on good practice in the functional specification and design aspects of passenger interchanges, based on case study evidence, both for the network-wide level and for the individual location level. The GUIDE handbook identifies public-private partnerships as an ncreasingly important factor in the development of interchanges, in line with the increasing interest in such partnerships in other areas of urban public transport. GUIDE recommends the development of a European standard for signing schemes that would cover all public transport modes. The standard might provide a moderate number of pictograms, colour schemes, font designs and sizes. Individual operators would then incorporate these basic principles when developing their individual signage schemes. Internet: http://www.interchanges.co.uk/	1998-1999	case studies / demo sites possibilities of interchanges
HINT	strategic	Human implications of new technologies. HINT aimed to develop a European strategy for managing the human and organisational impacts of the new technologies, mainly in passenger transport, likely to be implemented over the next 10-20 years. The main objectives of HINT were to: - *identify the relevant technologies* covering all modes of transport (road, rail, air and waterborne) as well as *intermodal transport services*; - investigate the human factors, organisational and safety implications of relevant technologies utilising integrated cross-modal studies (by topic) to allow for generic findings; - develop a strategy for managing those impacts of new technologies. Internet: http://www.its.leeds.ac.uk/projects/hint/	1997-1998	

Acronym	Cluster		Laufzeit	Untersuchungsgebiet
ICARO	urban	Increase of Car Occupancy through innovative measures and technical instruments. The aims of ICARO were to evaluate measures for increasing car occupancy rates in European countries and to provide guidelines for policy development and implementation strategies. Through surveys, demonstrations and modelling in eight countries, ICARO identified the success factors for car-pooling, including the effectiveness of supporting measures such as parking restrictions/incentives and high occupancy vehicle (HOV) lanes. There are various legal barriers to car-pooling and the development of HOV lanes that need to be overcome. ICARO recommended that: - The terms car-pooling and HOV should be defined in national legislation for policy and insurance use. - In many countries, the tax treatment for reimbursement of costs between car-poolers needs to be defined. - The insurance situation for car-pooling should be clarified. - For most countries, HOV lane regulations still need to be included in the national traffic regulations. Linked to this, a harmonised European car-pooling sign for HOV infrastructure should be agreed. Internet: http://www.boku.ac.at/verkehr/icaro.htm	1997-1999	case studies / demo sites policy guidelines car pooling HOV-lanes
IDIOMA	inte-grated	Innovative distribution with intermodal freight operation in metropolitan areas. The success of intermodal transport depends strongly on the managerial and organisational performance of the pre- and end-haulage of the intermodal transport leg. IDIOMA will show how distribution of goods in metropolitan areas can be improved through several demonstrators : - The Öresund region with Helsingborg and Malmö represent the suitable basis for coordinated and composite distribution concepts including intermodal transport sea/road as well as rail/road. - Provided different technological solutions, Nürnberg will demonstrate cooperative inbound city logistics: Starting consolidation at the far end of the transport chain, the consignee, and using intermodal transport to cover the long haulage leg for a freight center. - In large metropolitan areas, traffic conditions are getting worse and real time traffic information gets valuable to be integrated into transport logistics planning decisions which will be demonstrated in Paris via 4 intermodal terminals. - In the Amsterdam-The Hague-Rotterdam-Utrecht region (Randstad) new concept for linking multiple freight distribution centres and terminals by rail (Flownet) will be tested. The demonstrators of IDIOMA will not hide the problems which still exist in operating intermodal transport but will also open the way to new perspectives by introducing new management schemes, organisational measures and technological means to achieve, finally, a more environmentally friendly goods transport in metropolitan areas.	1998-2000	case studies / demo sites intermodal freight operations freight logistics

Acronym	Cluster		Laufzeit	Untersuchungsgebiet
INCOME	urban	**Integration of Traffic Control and Other Measures.** The goal of INCOME was to provide decision-useful information on the performance of integrated urban traffic management systems (UTMS) combining urban traffic control (UTC), public transport management systems (PTS) and driver information systems (DIS). Highlights among the wealth of quantitative results were: - Public transport priority in UTC. Public transport achieved journey-time savings of around 5-15% across three cities and similar improvements in journey-time reliability. In all cases the payback period was less than two years. - Integration of UTC priority and automatic vehicle location for buses. This allows selective priority to be given to buses that are running late, thereby improving reliability.Predicted improvements in bus regularity and in passenger waiting times are around 10%. - Bus gating at traffic signals. This involves holding backqueues of private vehicles at traffic signals on strategic routes, allowing buses to overtake along segregated bus lanes. The bus lanes doubled the savings in bus delay compared to bus priority alone at traffic signals. - Integration of UTC with variable message signs (VMS). These applications transferred data from UTC to VMS. The clearest benefits came from the earlier re-routing of traffic in response to incidents, activated by the automatic incident detection function of a UTC, increasing drivers' journey-time savings due to the VMS from 23% to 28%. - Intelligent speed adaptation. This is a new in-vehicle technology aimed at reducing or preventing speeding, which can be integrated with UTC systems. Simulation results indicated a 50% reduction in accidents at speeds above 45 km/h, and speed reductions of up to 20%. - Integration of PTS and DIS. Variable message signs can be used to suggest alternative routes to encourage drivers not to use important bus routes in congested areas. Simulations showed that reductions in bus delays could exceed 20%, although this is dependent on the local situation. - Fully integrated traffic management systems (UTC, PTS and DIS). Sharing of data and control signals between sub-systems in Turin has reduced travel times for both general traffic and public transport by 20%, with an accompanying modal shift of 3% to public transport. Local pollutant emissions were estimated to fall by 21%. Modelling work for Gothenburg indicated a 9% modal shift, but smaller improvements in other indicators.	1996-1998	case studies / demo sites priority to public transport
INPHORMM	urban	**Information and publicity helping the objective of reducing motorised mobility**. INPHORMM aimed to bring together existing knowledge on the use of communication tools to influence travel behaviour, evaluate the effectiveness of previous actions, and provide a general model for developing campaigns in the future. The project found that co-ordination of national and local campaigns and their messages leads to greater media coverage and contributes to building a climate for change. Information, marketing and community education programmes need to become an integral part of transport policy and planning, to raise public acceptance of other (restraint) policies and increase knowledge of travel alternatives. This includes writing campaign budgets into the broader strategy to which they relate, such as the traffic reduction or city regeneration budgets. Good practice in the formulation of campaigns needs to be disseminated. Many organisations have failed to research the needs of their target audiences, and messages are often communicated without pre-testing. Evaluation of campaigns is often lacking. Internet: http://www.wmin.ac.uk/transport/inphormm/inphormm.htm	1996-1998	case studies / demo sites
INTERCEPT	urban	Intermodal Concepts in European Passenger Transport. *keine Informationen verfügbar*	1998-1999	case studies / demo sites

Acronym	Cluster		Laufzeit	Untersuchungsgebiet
INTRAMUROS	urban	**Integrated Urban transport concepts and market orientated urban transport systems/on demand urban transport systems.** INTRAMUROS aimed to provide a methodology to help the different actors involved in Urban Transport Systems (UTS) to assess and improve their level of integration and co-ordination. The INTRAMUROS decision support tool provides city and regional traffic planners with a means of comparing quantitatively the relative benefits of different local strategies for improving the co-ordination and integration of the UTS. It has been designed as a flexible tool that can be applied to any city situation, or even for cross-city comparison in support of national and European policy making. The project concluded that there is no single organisational, financial and legal structure that will best encourage transport integration for all the different types and sizes of urban areas in Europe. An activity-based organisation, where actors have powers extending over different transport modes and across wide geographic areas, may be regarded as the most likely to induce better transport integration. However, such a structure cannot be imposed abruptly, and this major transition may not be as sensible as lesser modifications to existing structures.	1997-1998	case studies / demo sites
ISOTOPE	urban	**Improved Structure and Organization for Transport Operations of Passengers in Europe.** The aim of the project was to assess the *relative merits of existing legal and organisational frameworks for Urban PublicTransport (UPT) across Europe, and identify areas for improvement.* The project concluded that: - the initiative for creating and specifying the UPT network should rest with local authorities - a fully deregulated system was found not to address collective goals and system integration in an adequate way; - network design should be under the control of the administrative authority, although the design work may be contracted out; - a UPT authority must include representation from the communities directly affected by the UPT system; - traffic management and parking should be controlled by the same authority as the UPT, in order to integrate the man agement of urban mobility; - a regime of 'limited competition', where authorities define the transport product to be delivered and invite tenders for its execution by candidate operators is to be preferred over full regulation (monopoly supply) or full deregulation; - in order to tackle urban mobility problems, partnerships between operators and authorities should be established that include clear definitions of standards of service and responsibilities.	1995-1996	case studies / demo sites Urban public transport
LEAN	urban	**Introduction of Lean Logistics into Urban Multi-modal Transport Management.** The project objectives were to assess the feasibility of the range of generic concepts for city logistics, and to recommend actions for their implementation. Estimates of utility value showed that integrated strategies combining infrastructure, information technologies and the provision of door-to-door freight services are the most effective in meeting stakeholder objectives. In Vienna, the introduction of a city freight terminal was estimated to offer a cost saving of 10% to freight service providers. Two concepts were developed in greater detail - load zone management and electronic logistic management. LEAN concluded that public administrations need to give active support to promoting the co-operation between market actors that is essential in establishing city logistic solutions and providing multi-modal hubs for freight transfer. The setting-up of regular stakeholder meetings is one aspect of this. In addition, promotional and restrictive measures may be needed to control freight traffic, such as the enforcement of loading zone regulations. A change in modal split between road and rail and the use of low-emission vehicles are also likely to need some policy-based encouragement. The case studies suggested that city authorities have only limited understanding of freight transport issues, and focus their planning effort instead onto passenger transport. Therefore, LEAN recommended a Europe-wide information campaign targeted on city planners to address this problem.	1997-1998	case studies / demo sites city logistics

Acronym	Cluster		Laufzeit	Untersuchungsgebiet
LEDA	urban	**Legal/regulatory measures to influence the use of the transport system.** The aims of LEDA were to: - collect information about the use of legal and regulatory measures for city transport, and store this in an accessible database; - present advice to local authorities on good practice and its transferability; - develop recommendations for policy-makers at regional, national and European levels on how best to support action at the local level, e.g. by changing legal frameworks. LEDA made a number of recommendations for policy action: - to seek greater consistency between transport policies at national, regional and local levels; - to transfer competencies to the local level, including decision-making authority and the power to use income from transport measures such as parking tariffs; - to avoid a rigid link between government funding and strict compliance with government guidance on how to implement measures (such as traffic calming); - to focus on structures that would improve regional transport development and encourage joint working between local authorities. Internet: http://www.ils.nrw.de/netz/leda/	1998-1999	case studies / demo sites legal and regulatory measures LEDA publications comprise information about the legal and regulatory situation in different European countries.
MAESTRO	strategic	**Monitoring Assessment and Evaluation Scheme for Transport Policy options in Europe.** The aim of MAESTRO was to establish as a reference text, a common framework for the selection, design and evaluation of transport-related pilot and demonstration projects. This would provide practical advice and strengthen the link between project results and policy decisions. MAESTRO developed, tested and documented a set of guidelines for transport-related pilot and demonstration projects. These guidelines cover the various decisions and evaluation phases through the entire life-cycle of a project, from the definition of the transport problem, through project design and initial evaluation, to implementation, final evaluation and exploitation of the results. The guidelines can be found on the project website. Internet: http://www.europrojects.ie/maestro	1998-1999	
MESUDEMO	strategic	**Methodology for establishing a database on transport supply, demand and modelling in Europe.** The aim of MESUDEMO was to identify and recommend methods for compiling and processing information on transport networks and on flows of goods and passengers as part of a European Transport policy Information System (ETIS). MESUDEMO proposed a general architecture and structure for ETIS and a process for its development.	1997-2000	software
MIMIC	urban	**Mobility Intermodality and Interchanges.** MIMIC aimed to provide policy-makers and developers with guidelines for design, planning and management of passenger interchanges. The guidelines were to cover four main areas: - the relative importance of the various factors that determine travellers' choice of modes, including both the interchange characteristics and aspects of the overall trip; - the impact of the interchange catchment area and feeder services on the success of the interchange site; - the types of barriers for the different actors involved, and their relative importance; - the development, implementation and assessment of site-specific solutions. The key factors influencing the effectiveness of interchanges are: - logistical and operational factors, such as the failure to synchronise services between different modes; - psychological factors, notably the fear of crime in the area around the interchange; - institutional and organisational factors, particularly due to poor co-ordination between the many stakeholders; - the functional quality of the physical design and layout; - the ease of access to the interchange and the availability of parking; - economic and social factors, such as cost of travel and the development of commercial services at the interchange; - the availability of pre-trip and real-time information. Internet: http://www.interchanges.co.uk/	1998-1999	case studies / demo sites intermodality interchanges

Acronym	Cluster		Laufzeit	Untersuchungsgebiet
MOMENTUM	urban	*Mobility management for the urban environment*. The aims of MOMENTUM were to identify and define good practice in mobility management, to demonstrate and evaluate mobility management strategies and tools, and to promote the concept of mobility management across Europe. Integrated concepts were defined for mobility management strategies and mobility centres, and for the transfer of strategies between locations. These concepts addressed all types of traffic and trip purposes. During the implementation of the mobility management strategies, the following lessons were learnt: - The creation of partnerships between stakeholders (including transport operators, community groups, local councils and local businesses) is crucial. - The need to target effort onto selected users (such as companies or young people), rather than spreading it across a wide range of user groups. - To establish networking opportunities such as the European Platform on Mobility Management (EPOMM) to learn from other people's experiences. - To treat the implementation as an ongoing process rather than a discrete project, for instance, building political support over time. - To select the strategy according to the national context, such as the attitudes of users and their reaction to 'push' measures, such as car parking restrictions. - To use promotion and awareness-raising campaigns as a key element for the successful delivery of mobility manage ment schemes. Dissemination was developed jointly with the project MOSAIC - see Internet: http://www.rwth-aachen.de/isb/Ww/mosaic/ , http://www.ils.nrw.de/forsch/96-vi-3.htm , http://www.epomm.org/	1996-1998	case studies / demo sites mobility management
MOSAIC	urban	**Mobility Strategy Applications in the Community. MOSAIC had three main objectives**: - to improve understanding of mobility management by clarifying key concepts, organisational roles and user needs; - to demonstrate these concepts and evaluate their potential for wider implementation; - to disseminate the findings and recommendations. The project has produced a brochure, user manual and CD-ROM that define the different elements of mobility management: - a Mobility Manager, responsible for introducing initiatives within a particular area; - a Mobility Consultant, responsible for providing mobility management services at an urban/regional level, and encour aging their adoption at site level (e.g. business park, major company, school); - a Mobility Centre, offering information services to the public; - a Mobility Co-ordinator and Mobility Office, promoting activities at a particular site according to an agreed Mobility Plan.	1996-1998	case studies / demo sites mobility management

Acronym	Cluster		Laufzeit	Untersuchungsgebiet
MOTIF	urban	**Market Orientated Transport in Focus.** The aim of MOTIF was to find ways of improving the market orientation of urban public transport, through a better matching of service characteristics with the requirements of different groups of users. Through the analysis of previous practice and 33 city case studies, MOTIF identified market research methods and segmentations that will allow effective discrimination and valid conclusions to be drawn when targeting improvements in public transport services. - Passenger priorities differ substantially between countries, with only punctuality/reliability commonly achieving a high ranking. The postulated importance of travel speed in modal choice may be over-rated. Therefore, user needs must always be confirmed locally. - Previous market research has often focused on frequent travellers, and thereby failed to spot the different needs of other user groups. For example, only low importance is attributed on average to pre-trip information, but this aspect is significant for infrequent and potential users. - The dependence of passenger requirements on socio-economic and journey characteristics is rather small, with only a 3-6% variation in the perceived importance of service attributes. - A useful definition of good practice operation (i.e. indicators and benchmarks) on a European level is hard to find. This reflects the weakness of the correlation between delivered and perceived quality. Direct measurement of satisfaction will remain the more reliable indicator of product quality as seen by the customer.	1997-1998	case studies / demo sites improving public transport bus on demand sharted taxi train
MUSIC	urban	**Management of traffic using traffic flow control and other measures.** MUSIC aimed to demonstrate a novel method of traffic flow control, showing that it can be effective in taking account of travellers' responses to changes in signal timings, while allowing signal timings to be optimised to meet a variety of traffic management goals. Traffic timings were designed to enhance the benefits of a new bus lane on a Park & Ride route. As a result, bus journey times decreased and reliability of travel time increased (York). In Thessaloniki, timing plans were calculated for 129 traffic signals, and gave a measurable reduction in congestion. Similarly in Porto, delays to vehicles on certain routes were reduced. The results of the on-street demonstrations strongly suggest that drivers do change their routes in response to traffic signal timings. It is therefore vital that design tools for traffic plans take this into account. It is clear that traffic signal control has great potential to be used as a low-cost tool for traffic demand management and the achievement of related policy objectives. The project highlighted the need for traffic control policy to take account of drivers' route choice behaviour in response to policy implementation. MUSIC showed that equilibration is a very slow process, and that more research is needed in this area. Internet: http://gridlock.york.ac.uk/music/	1996-1998	case studies / demo sites
MUSSST	urban	**Multimodal safety satellite system for transport**. Methodology for the validation of the use of GNSS (including development of certification, qualification and standardisation) MUSSST aimed to help the different user communities that are considering the use of GNSS for their specific applications to authorise its operational use. The main objectives have been to provide: - to provide a methodology for validation of the use of GNSS for all modes of transport; - to apply the general methodology to first and second generation systems for each mode of transport - to make recommendations for overcoming obstacles to the use of the methodology, and provide the specifications for any validation tools.	1999-2000	
MYSTIC	strategic	**Methodology for Statistical Analyses, Modelling and Data Collection.** MYSTIC aimed to develop and test methodologies for building origin-destination matrices for passenger and freight transport at a pan-European level from currently available data, and to chart a process for updating matrices in the future.	1998-1999	software

Acronym	Cluster		Laufzeit	Untersuchungsgebiet
OPIUM	urban	**Operational project for integrated urban management.** OPIUM aimed to evaluate a range of physical measures for traffic management through their practical implementation in a number of cities (Gent, Heidelberg, Liverpool, Nantes, Patra and Utrecht), and make recommendations for the future development of urban transport policies. OPIUM concluded that public consultation needs to play an increasingly important role in the development of traffic management measures. It is needed to gauge public opinion during scheme design and implementation, to educate the public about the likely benefits, and to take account of the needs and concerns of specific stakeholder groups such as shopkeepers. Stakeholder opposition proved to be the main hurdle to the schemes tested by OPIUM. Individual measures can yield benefits in their own right, even if used only locally, but their deployment as part of an integrated strategy has the potential to yield significantly greater benefits. In particular, public transport priority and bicycle measures are increasingly effective at larger scale.	1996-1998	case studies / demo sites
OPTIMA	urban	**Optimisation of policies for transport integration in metropolitan areas**. The overall objectives of project OPTIMA were: - to identify optimal urban transport strategies for a range of European cities; - to assess the reasons for differences between these strategies; - to assess the acceptability and feasibility of implementation of such strategies; - to use the results to provide more general guidance on urban transport policy within the European Union. The main policy implications are: - legislation will be needed to enable implementation of road pricing and to control parking charges; in the UK and Italy there is also a case for changing legislation to permit economically more efficient public transport strategies; - public acceptability will be a significant barrier with those measures, which reduce service levels or increase costs - this implies the need for effective public relations campaigns, and carefully designed implementation programmes; - detailed local measures to improve the environment and provide better facilities for cyclists, pedestrians and disabled people should be determined once the optimal strategy has been defined at a more aggregate level.	1995-1996	case studies / demo sites software, data
PASTEUR	strategic	**Policy Assessment, Scenarios and Transport Economic Research in Europe.** The aim of the PASTEUR Concerted Action was to create a discussion platform between policy-makers and researchers at national and European levels, and to structure and synthesise research results. This covered the fields of policy assessment, transport economics, scenario analysis and technology integration. PASTEUR focused on policy towards sustainable mobility, and identified four issues that require attention at present: - *Complementary measures to pricing.* PASTEUR concluded that greater knowledge is needed of measures complementary to pricing, their impacts and the way they can be used together. For example, people need to be convinced of the effects of measures before they will accept them. - *Targets and translation to lower levels.* The challenge is to identify how to make an acceptable translation of these measures and targets to a lower level, where stakeholder opposition and local policy priorities may hinder the practical implementation of sustainable mobility. Therefore the EU may need to define the overall structure for "delivering" strategic outcomes. - Information society and behavioural issues. PASTEUR found that there remains a high level of uncertainty over the impacts of the information society on mobility, requiring further research. - Air traffic and *leisure traffic.* Transport forecasts suggest there will be an enormous growth in air traffic and in leisure traffic. Policies are not yet prepared to cope with this growth - in terms of traffic management and the impacts on regions attracting tourist flows. The consensus emerged that international co-ordination will be needed to address these issues.	1998-1999	evaluation of 40 EU projects policy assessment

Acronym	Cluster		Laufzeit	Untersuchungsgebiet
PATS	strategic	**Pricing acceptability in the transport sectors.** The goal of PATS was to identify the reasons for acceptance/non-acceptance of new forms of transport pricing, to find ways of increasing their acceptability, and to identify the legal and political barriers to the implementation of new pricing schemes. PATS made a series of policy recommendations: - Ideally, the introduction of new or higher prices should be preceded by or done in parallel with measures that will provide a better service, preferably with some guarantee of the higher levels of service. - Even with an increase in quality, the introduction of pricing may be perceived as contributing to the exclusion of less affluent members of society. A possible non-distorting method of compensation is the allocation of a free ration of consumption (although this requires a more complex system of control). - If there is no direct added value to users from higher prices, acceptability is harder, but may be improved by a transfer from fixed to variable components of price. - Pricing should discriminate between vehicles according to the costs they impose, with the same principles being applied to all regions but taking account of variations in e.g. traffic and population density. - Stakeholder involvement is needed in the policy decision-making process, varying according to the local political and cultural context. - Transparency in handling the revenues is vital for public acceptability. Internet: http://www.tis.pt/proj/pats/pats.html	1999-2000	pricing accompanying measures
PETS	strategic	**Pricing European transport systems.** The main objectives of PETS were to: - report on the current pricing situation of passenger and freight transport in Member States; - assess whether such prices provide appropriate price signals in the light of all relevant internal and external costs; - forecast the consequences of moving to a more appropriate price level and structure in the face of external constraints and developments.	1996-1999	Pricing
PIRATE	urban	**Promoting Interchange Rationale Accessibility and Transfer Efficiency.** A major challenge for urban transport policy is to encourage intermodal journeys and reduce congestion. Part of the solution lies in providing attractive interchanges between the different transport modes. However, there is evidence that those who plan, design, build and manage inter-changes lack guidance on the needs of users, and on how best to meet those needs at a specific site. PIRATE aimed to analyse a sample of European interchanges to assess the extent and efficiency with which the needs of the various stakeholders are actually being met, and then to develop and test an innovative approach to defining and providing for those needs. This approach would directly involve stakeholders in the improvement or redevelopment of interchanges. PIRATE has demonstrated the potential for more efficient and successful development of public transport interchanges by involving various stakeholder groups in the design processes, and has developed a cost-effective method of user re-search to assist the providers of interchanges in improving their services. Internet: http://www.interchanges.co.uk/	1998-1999	case studies / demo sites interchanges intermodality

Acronym	Cluster		Laufzeit	Untersuchungsgebiet
POSSUM	strategic	**Policy scenarios for sustainable mobility.** The main purpose of POSSUM was to develop scenarios showing how the objectives of sustainable mobility could be achieved in a European context, and to set out a methodology for this, centring on so-called Policy Paths comprising of packages of policy measures. In particular, the aim was to identify key issues for future decisions on the Common Transport Policy (CTP) and the Trans European Networks consistent with sustainable mobility. Three scenarios with different combinations of technological innovations and the decoupling of transport growth from economic growth were defined. The project identified a number of early policy actions that would be appropriate across all scenarios: - *Tax reform* - a shift of the tax base from labour to the use of natural resources in order to strengthen incentives for dematerialization and energy conservation. - *Experiments with low emission zones* - providing an incentive for the market to select clean vehicle technologies. - *Tele-commuting* - experimenting with tele-working options in conjunction with land-use planning. - *Road pricing* - taxation on the use of congested urban roads, coupled with measures that provide alternatives (such as quality public transport). - Actions to provide *integrated information systems*.	1996-1998	policy scenarios tele-commuting road-pricing
PRIMA	road	**Ways and Means to Increase the Acceptance of Urban Road Pricing**. The objectives for PRIMA were to identify the reasons behind the acceptance or non-acceptance of road pricing and to produce recommendations for the implementation of urban road pricing in Europe. PRIMA provided a databank of results from public surveys and interviews with stakeholders, leading local politicians and experts. Data were collected from 500 citizens and 30 interviews in each of eight urban regions in autumn 1999. At the time of the project, the law in some Member States did not provide for the implementation of road pricing. It was legal in other countries as long as the pricing scheme was related to the financing of new roads. However, congestion charging would need changes in legislation. Internet: http://www.certu.fr/internat/peuro/prima/prima.htm	1999-2000	case studies / demo sites
PROTEE	strategic	**Procedures for Transport Evaluation and Monitoring of Radical Innovations in Learning Experiments.** The objective of PROTEE was to develop and test a new methodology for the management and evaluation of (transport) projects involving radical or break-through innovations.	1998	case studies / demo sites pricing
QUATTRO	urban	**Quality approach in tendering urban public transport operations.** The need for greater attractiveness of Urban Public Transport is essential to increase patronage and the share of UPT in the modal split, and to meet the objectives stated in the European Commission's transport policy paper 'The Citizen's Network'. Successful service industries world-wide, focus more than ever on customer satisfaction, i.e. through continuous improvement programmes and user satisfaction surveys, and the UPT sector is starting to do the same. One way to deliver higher quality operations is to introduce quality indicators into tendering and contracting procedures, linked with programmes for the improvement of service quality. The objectives of QUATTRO were: - to identify current and emerging quality management practices in the contracting and tendering of UPT provision, with a particular emphasis on issues of quality definition and measurement, the clarification of the contracting parties' responsibilities, evaluation procedures and their impact on continuous improvement programmes; - to propose a series of guidelines to authorities and operators involved or interested in tendering, contracting and performance monitoring for UPT, with a strong focus on quality. Together with experts from the European Committee for Standardisation (CEN TC 320 WG5), QUATTRO developeda standardised set of quality indicators for UPT.	1996-1997	case studies / demo sites urban public transport

Acronym	Cluster		Laufzeit	Untersuchungsgebiet
QUITS	strategic	**Quality Indicators for Transport Systems. QUITS aimed to**: - identify an appropriate set of indicators and methodology for evaluating costs of alternative transport modes on individual inter-urban routes; - implement the above in a form of computer software; - validate the approach, using **case studies**. Cost Elements Analysed: - Infrastructure: land, capital, operating, signalling, maintenance - User costs: vehicle ownership and operation, time, congestion, tolls - External costs: air pollution, noise pollution, safety	1996-1997	EU, CEE countries, USA, Mexiko
RECONNECT	road	**Reducing Congestion by Introducing New Concepts of Transport**. RECONNECT aimed to identify and assess new types of transport that have potential to ease congestion, including their feasibility, suitable areas of application, impacts and needs for policy intervention. Internet: http://www.etsu.com/reconnect/reconnect.html	1998-1999	new concepts of transport policy interventions
SAMI	strategic	**Strategic Assessment Methodology for the Interaction of CTP Instrument.** SAMI aimed to support decision-making on the Common Transport Policy, by providing tools that can be used for testing various strategies before implementation. In addition, the project compiled an extensive presentation of background information and methods developed in other research projects. The tools have mainly been tested separately, and their use as an integrated framework for strategic transport planning has still to be demonstrated. The significance of SAMI lies particularly in the **growing acceptance of the need for packages of policy measures.** The formation of packages can be an extremely complex process, with many different combinations and variables. The structured framework provided by SAMI can help decision-makers to handle this complexity. It may also be useful in Strategic Environmental Assessment of policies and programmes of major investment.	1997-2000	tool
SCENES	strategic	**Szenarien für Europa Transport 2020 - Abschätzung der Nachfrage, Sozio-ökonomische Strukturen.** Some objectives of SCENES are: - Development of transport scenarios for the EU for the year 2020 and beyond whereby these scenarios are made up of external, socio economic scenarios, and sets of policy scenarios - Development of forecasts of factors that will affect transport demand in the future extending the analysis of scenarios by incorporating institutional factors and studies on breaks in trends - Use of existing regional transport models to study the impacts of different scenarios, with the results being compared with those to the strategic model		prognosis 2020
SESAME	urban	***Derivation of the Relationship between Land-Use, Behaviour Patterns and Travel Demand for Political and Investment Decisions*.** Provision of new transport infrastructure clearly affects the pattern of travel and therefore urban form. SESAME has shown that the supply of primary road kilometres is associated with a higher share for cars in the modal split. In contrast, cities actively promoting public transport seem to be achieving higher shares for this mode. SESAME has particularly pointed to the benefit of improving service levels, without the need for additional service lines to encourage a modal switch. Strategies such as benchmarking and the provision of better information can be effective low-cost measures in this respect. Cities with parking management and traffic calming policies seem to be associated with a lower share of car use. Cycle promotion policies have been found to have had a similar effect in the cities studied. One of the major outputs of SESAME has been to illustrate the relationship between urban form and mode use. Mode share is especially related to city density, the concentration of urban activities and the concentration of jobs in sub-centres. City planners therefore have a powerful means of influencing mobility through their control of new developments.	1996-1998	case studies / demo sites
SITPRO	strategic	**Study of the Impacts of the Transport RTD Programme**, Recommendations for RTD management	1998	

Acronym	Cluster		Laufzeit	Untersuchungsgebiet
SMARTEST	road	**Simulation Modelling Applied to Road Transport European Scheme Tests.** The SMARTEST project was directed towards modelling and simulation at micro level of dynamic traffic management problems caused by incidents, heavy traffic, accidents and road works. The SMARTEST application areas are incident management, intersection control, motorway flow control, dynamic route guidance and regional traffic information. Internet: http://www.its.leeds.ac.uk/projects/smartest/	1997-1998	software
SORT-IT	strategic	**Strategic Organisation and Regulation in Transport (not foccussed on urban transport).** SORT-IT aimed to develop policy measures addressing the organisation of the European transport system that promote interoperability and interconnection, economic efficiency and spatial co-ordination. The main objectives were: - to identify and assess the impact of deregulation and privatisation of transport infrastructure and operations in the EU and EFTA; - to determine the optimal balance between market competition and transport regulation; - to determine appropriate management and organisational structures and performance criteria; - to identify infrastructure and operating barriers in the EEA and Switzerland that inhibit interoperability and interconnection; - to consider policy options concerning relationships between regulators and operators and among operators; - to consider the consistency of organisation and interconnection between the EEA and CIS networks. Some recommendations are: 1. Greater usage of telematics should be stimulated through financial incentives, stimulation of co-operation and standardisation of telematic equipment. 2. The interconnectivity of networks should be improved. In addition, the design of new transport infrastructure should be more flexible in order to minimise re-design costs so as to reach a higher level of interoperability. 3. The usage of modern transport equipment needs to be stimulated through regulatory measures such as technical standards and interoperability guidelines. 4. Organisational structures need to be harmonised through the development of common guidelines for infrastructure usage prices, standardisation of transport equipment and further privatisation and deregulation in transport related markets. 5. The regulatory framework needs to be harmonised with respect to, for example, common custom requirements, common documentation and common regulations regarding driving bans.	1996-2000	national review of EU and EFTA *not foccussed on urban transport*
START	road	Main objectives: - to quantify the impacts of measures to reduce road travel and assess the wider effects and barriers to implementation; - to assess the extent to which travel reduction strategies may affect the financing of road infrastructure; - to recommend an Action Plan of travel reduction policies for Europe. Comment: keine eigenständigen Untersuchungen, sondern Auswertungen bereits vorhandener Arbeiten. Evaluation politischer und sonstiger Umsetzungsmaßnahmen; zusätzlich Interviews mit für die Straße zuständigen Behörden	1998	legal and admi-nistrative issues
STIMULUS	road	**Segmentation for Transport in Markets using latent user psychological structures.** STIMULUS aimed at improving ways of structuring the behavioural responses of different stakeholders to transport measures. Specific objectives were to - (re-)classify users into new categories or segments according to underlying psychological processes, and cross-tabulate these with known demographic and user types; - identify the interests, attitudes, motivations and behaviour of user groups (both the newly-defined categories and conventional categories) towards information and traffic management measures, as well as mobility restrictions and environmental costs; - assess information systems and policies for their level of acceptance or rejection by different user groups.	1998	case studies / demo sites

Acronym	Cluster		Laufzeit	Untersuchungsgebiet
SWITCH	urban	**Sustainable Workable Intermodal Transport Choices.** The aim of SWITCH was to demonstrate good practice in the provision of intermodal passenger transport and to assess the impacts on transport operation, traveller behaviour, the environment and economic performance. SWITCH demonstrated a range of measures to support modal interchange including: - Improved information to travellers before and during their journey: dynamic trip planning, real-time information, better static signage, and dynamic Park and Ride signage. - Improved interchanges: redesign of infrastructure, improved access, improved vehicles, integration of taxi services. - Integrated ticketing solutions to remove the need to purchase multiple tickets. Based on this experience, a series of recommendations were made: - Interchange design should take account of identified user needs. - Intermodality needs to be planned and managed from a network rather than a site-specific perspective, with co-operation between organisations. - Both pre-trip and real-time information should be provided, and signage should be standardised. - Access issues must be foremost when designing interchanges, with high quality Park and Ride car parks, Kiss and Ride spaces, and full integration of taxi services with public transport.	1999-2000	case studies / demo sites
SWITCH (continued)		Three critical barriers to interchange were highlighted: - Perception. There is an underlying perception that public transport is a second choice option, requiring marketing of door-to-door travel solutions. - Institutional self-interest. Efficient interchange requires all the involved organisations to co-operate, for instance on timetables, information provision and combined ticketing. - Technical interfaces. The inter-connection of existing information systems and data into a single co-ordinated framework can often be more taxing technically than building a new system - although SWITCH showed that the problems can be overcome.		
TASTe	road	**Analysis and Development of Tools for Assessing Traffic Demand Management Strategies.** In recent years, different Traffic Demand Management (TDM) strategies have been studied in various European pilot projects. However, there is a lack of appropriate assessment tools. The design of TDM strategies requires the appropriate use of most relevant software tools (adequately integrated) in order to best fulfill the priorities of the Common Transport Policy. Although Europe has taken a leading role in the development of such assessment tools, these tools have generally been developed within individual national projects, aiming to meet the needs of respective EU member states. There is a lack of consensus of which tools are most appropriate for assessing TDM strategies at a European level. Moreover, intermodal aspects have not been sufficiently considered by the assessment tools developed so far. To overcome these gaps, the project TASTe aims - to identify common requirements and objectives for assessing TDM policies and strategies, with particular consideration of relevant recommendations of the European Commissions Transport Green Papers; - to review and classify the existing TDM assessment tools; - to identify gaps or inadequacies in the currently available tools, and to modify available tools to better meet the requirements for the assessment of European TDM policies and strategies and to integrate selected TDM Assessment tools in a toolbox; - to carry out and to document case studies to test adapted and integrated assessment tools; - to provide guidance, validated through collaboration with a TASTe User Group, to use of the best available TDM assessment software tools; - to elaborate guidelines for an appropiate use of the developed toolbox and as a common European framework for the assessment of TDM policies and strategies; - to elaborate tasks for further research and development in this field.		

Acronym	Cluster		Laufzeit	Untersuchungsgebiet
TEST	strategic	**Technologies for European Surveys of Travel Behaviour.** TEST aimed to develop and evaluate innovative ways of using new technologies for collecting, analysing and disseminating travel survey data. Internet: http://www.cordis.lu/transport/src/48349.htm	1997-1998	collecting data software
TRACE	road	The aim of the TRACE project was to provide elasticities that can be used for a first order assessment of the effects of changes in car travel time and car travel cost (including parking charges) on car travel demand and on demand for other modes, for a range of contexts. Internet: http://www.stratec.be/PrgEurope302GB.html	1998-1999	
TRANSPRICE	urban	**Transmodal integrated urban transport pricing for optimum modal split.** TRANSPRICE aimed to demonstrate and assess pricing strategies that are co-ordinated across the modes, identifying effects on modal split and public acceptance. User surveys in eight cities showed that public acceptability of isolated pricing measures is low. This can increase substantially when pricing is presented as the cornerstone of a package of measures that include revenue allocation to public transport investments and non-motorised modes. Hypothecation of road-use pricing revenues is also becoming more acceptable to politicians. Demonstrations and modelling work in five cities showed that road-use pricing is an effective way of changing modal split from private car to public transport and Park & Ride, giving city centre traffic reductions of 5 - 25% Cordon pricing is particularly effective when applied to congested central areas and over peak periods (reducing car trips by up to 25%). Pricing of parking is also effective in restraining car trips, provided enforcement can be maximised. It works best as an accompanying measure rather than in isolation. Integrated ticketing and smartcard integrated payment systems have a small impact on modal split on their own (especially for Park & Ride), but more importantly support transmodal pricing measures. Pricing of High Occupancy Vehicle lanes has a marginal impact on modal split, and seems applicable in special cases only (such as severe congestion). Various forms of road-use pricing were assessed to be the most promising approach, followed by cordon pricing, in a multi-criteria evaluation across a range of policy objectives. Transport pricing has potential for yielding significant changes in urban modal split towards public transport, Park & Ride and non-motorised modes, as well as providing substantial revenues.	1996-1998	case studies / demo sites
TRANSPRICE (continued)		TRANSPRICE concluded that road use pricing should be considered when parking pricing measures alone have been found to have exhausted their effectiveness. Road-use pricing should be promoted as part of a package of demand management measures, with hypothecation of revenues towards local transport and environmental improvements. This would substantially increase the potential public acceptability, as well as helping to overcome the resource problems that face demand management investments.		
TRENEN II STRAN	strategic	**Models for Transport, Environment and Energy - Version 2 - Strategic Transport Policy Analysis.** TRENEN aimed to develop a set of strategic models of urban and inter-urban passenger and freight transport, and to use these models in assessing pricing policy options for the European Union. The case studies indicate the relative performance of different pricing policy instruments: - Parking policies: making all road users pay for the resource cost of their parking place, plus an extra charge, can be very effective, achieving 1/3 to 2/3 of potential societal benefits and reducing congestion. - Emissions taxes and standards: stimulating the use of cleaner cars is important for urban areas, but may not be cost-effective in non-urban areas. - Fuel tax policies: higher fuel taxes could reduce car traffic in urban areas and on peak period inter-urban trips. However, other traffic (such as off-peak road freight) may also be unjustifiably inhibited. Fuel taxes are therefore not a good instrument for pricing reform, due to the lack of differentiation between different transport markets. Tax evasion may also result across international borders and through non cost-effective investment in highly fuel-efficient vehicles. - Reduced subsidies to public transport: once the pricing of car transport can be corrected, public transport fares should not be set below the marginal social cost and should differ between peak and off-peak periods. - Simple congestion pricing: cordon pricing in urban areas and congestion pricing on inter-urban highways can realise a substantial fraction of the benefits of optimum pricing.	1996-1998	case studies / demo sites software modelling

Acronym	Cluster		Laufzeit	Untersuchungsgebiet
TROPIC	road	**Traffic optimisation by the integration of information and control (VMS - Variable Measure Signs).** The TROPIC project aimed at developing a wide-scale and consistent application of VMS as an effective and co-ordinated form of driver information within an integrated road transport environment and in particular on the Trans European Road Network (TERN).	1996	
VAST	strategic	**GNSS - Value added Services for Transport.** VAST aimed to evaluate the expected benefits of commercial application of GNSS in transport, with an emphasis on road and multi-modal transport. Specific objectives were to identify the main existing and future commercial applications, assess their potential market, and propose and assess cost recovery schemes and public private partnerships (PPP) models.	1999	
WALCYNG	urban	**How to enhance walking and cycling instead of shorter car trips and to make these modes safer**. The main aim of the project is to develop guidelines for enhancing walking and cycling, in order to replace shorter car trips and to make the walking and cycling modes safer. This will be done following marketing principles and includes a.o. the following steps: - definition and quantification of potential user groups; - collection and evaluation (from the customer point of view) of existing 'products' for pedestrians and cyclists; - definition of possible gaps in the existing 'product' range, development of new 'products', - description of supporting soft policy measures (advertising, lobbying etc.).	1996-1997	

Tabelle 10: Verbindungen zu anderen Projekten (Vorläuferprojekt, Nachfolgeprojekt)

Acronym	Cluster	Titel	
ACCEPT	strategic	Action concerning aCCEptance of new technologies and Procedures in Transport	
ADONIS	urban	Analysis and development of new insight into substitution of short car trips by cycling and walking	- WALCYNG - How to enhance walking and cycling instead of shorter car trips and to make these modes safer.
AFFORD	urban	Acceptability of Fiscal and Financial Measures and Organisational Requirements for Demand Management	- CAPRI - Concerted Action on transport pricing research integration. - CONCERT-P - Co-operation for novel city electronic regulating tools. - FATIMA - Financial assistance for transport integration in metropolitan areas. - FISCUS - Cost evaluation and financing schemes for urban transport systems. - PATS - Pricing acceptability in the transport sector. - PETS - Pricing European transport systems. - TRANSPRICE - Transmodal integrated urban transport pricing for optimum modal split. - TRENEN II STRAN - Models for transport, environment and energy - version 2 - strategic transport policy analysis.
AIUTO	urban	Models and methodologies for the assessment of innovative urban transport systems and policies options	Links with TAP-Transport

Acronym	Cluster	Titel	
ARTIST	strategic	Agenda for Research on Tourism by Integration of Statistics/ Strategies for Transport	- DIRECT - Data integration requirements of European cities for transport. - EU-SPIRIT - European system for passenger services with intermodal reservation, information and ticketing. - MEST - Methods for European surveys of travel behaviour
ASTRA	strategic	Assessment of Transport Strategies	- COMMUTE - Common methodology for multi-modal transport environmental impact assessment. - EUNET-SASI - Socio-economic and spatial impacts of transport infrastructure investments and transport systems. - STREAMS - Strategic transport research for European Member States. - TENASSESS - Policy assessment of TEN and Common Transport Policy. - TRENEN II STRAN - Models for transport, environment and energy.
CAMPARIE	urban	Campaigns for Awareness Using Media and Publicity to Assess Responses of Individuals in Europe	- INPHORMM - Information and publicity helping the objective of reducing motorised mobility. - MOMENTUM - Mobility management for the urban environment. - MOSAIC - Mobility strategy applications in the community OPIUM, DANTE, WALCYNG, CAPTURE, TRANSPRICE, CONCERT-P
CANTIQUE	strategic	Concerted Action on Non-Technical Measures and Their Impact on Air Quality and Emissions	- AIUTO - Models and methodologies for the assessment of innovative urban transport systems and policy options. - EUROTOLL - European research project for toll effects and pricing strategies.
CAPRI	strategic	Concerted Action for Transport Pricing Research Integration	- AFFORD - Acceptability of fiscal and financial measures and organisational requirements for demand management. - CONCERT-P - Co-operation for novel city electronic regulating tools. - EUROTOLL - European project for toll effects and pricing strategies. - FISCUS - Cost evaluation and financing schemes for urban transport systems. - PATS - Pricing acceptability in the transport sector. - PETS - Pricing European transport systems. - PRIMA - Capabilities of advanced traffic management tools. - PROFIT - Private operation and financing of trans-European networks. - QUITS - Design and testing of an integrated methodology for the valuation of the quality of transport systems and services in Europe. - TRANSPRICE - Trans modal integrated urban transport pricing for optimum modal split. - TRENEN II STRAN - Models for transport, environment and energy - version 2 - strategic transport policy analysis.
CAPTURE	urban	Cars to public transport in the urban environment	- ADONIS - Analysis and development of new insights into substitution of short car trips by cycling and walking. - INCOME - Integration of traffic control with other measures. - MUSIC - Management of traffic using traffic flow control and other measures. - OPIUM - Operational project for integrated urban management. - WALCYNG - How to enhance walking and cycling instead of shorter car trips and to make these modes safer.
CARISMA	urban	Co-ordinated ARchitectures for the Interconnection of Networks for Suitable Mobility with Telematics Applications	- GUIDE - Group for urban interchanges development and evaluation. - HSR-COMET - Intermodal connection of high-speed railway terminals in metropolitan areas. - MIMIC - Mobility, intermodality and interchanges. - PIRATE - Promoting interchange rationale, accessibility and transfer efficiency. - SWITCH - Sustainable workable intermodal transport choices.

Acronym	Cluster	Titel	
COMMUTE	strategic	Common Methodology for Multimodal Transport Environmental Impact Assessment	- CODE-TEN - Strategic assessment of corridor developments and the TEN. - INTERNAT - Integrated Trans-European Network assessment techniques. - MEET - Methodologies for estimating air pollutant emissions from transport. - SCENARIOS - Scenarios for Trans-European Network. - SCENES - Modelling and methodology for analysing the interrelationship between external developments and European transport. - STREAMS - Strategic transport research for European Member States. - TRENEN - Models for transport, environment and energy.
CONCERTO	strategic	Concerted Action for European Transport Information Systems	
CONCERT-P	urban	Co-operation for Evaluation of City Road Pricing Tools	- AFFORD - Acceptability of fiscal and financial measures and organisational requirements for demand management. - CAPRI - Concerted action for transport pricing research integration. - EUROTOLL - European project for toll effects and pricing strategies. - PETS - Pricing European transport systems. - TRANSPRICE - Trans modal integrated urban transport pricing for optimum modal split. - TRENEN II STRAN - Models for transport, environment and energy - version 2 - strategic transport policy analysis.
DANTE	road	Designs to avoid the need to travel in Europe	- CAPTURE - Cars to public transport in the urban environment. - START- - TASTE - Analysis and development of tools for assessing traffic demand management strategies. TAP-Transport-projects: EXTRA, TURA, CITYCARD, CONCERT, JUPITER (Thermie), CARPLUS (DG XIII), TELE-WORKING Programme (DG XIII))
DIATS	road	Deployment of Inter-urban Advanced Transport Telematics (ATT) Test Scenarios	- FANTASIE - Major link to the programme on Telematics Applications in Transport
EQUIP	urban	Extending the Quality of Public Transport	- ISOTOPE - Improved structure and organisation for transport operations of passengers in Europe. - DG Transport - 1998/1999 pilot project on benchmarking of local transport systems. - QUATTRO - Quality approach in tendering urban public transport operations.
EUROMOS	road	European Road Mobility Scenarios	- MOTIF - Market orientated transport in focus - POSSUM - Policy scenarios for sustainable mobility - SCENARIOS - Scenarios for Trans European Network - SCENES - Modelling and methodology for analysing the interrelationship between external developments and European transport
EUROTOLL	road	European Project for Toll Effects and Pricing Strategies	- AFFORD - Acceptability of fiscal and financial measures and organisational requirements for demand management. - CAPRI - Concerted action for transport pricing research integration. - CONCERT-P - Co-operation for novel city electronic regulating tools. - PATS - Pricing acceptability in the transport sector. - PETS - Pricing European transport systems. - TRANSPRICE - Trans modal integrated urban transport pricing for optimum modal split. PRIVILEGE (road sector), QUITS, TRENEN (strategic), policy link with the Green Paper on fair and efficient pricing
EU-SPIRIT	urban	European System for Passenger Services with Intermodal Reservation, Information and Ticketing	x

Acronym	Cluster	Titel	
FANTASIE	strategic	Forecasting and Assessment of New Technologies and Transport Systems and Their Impacts on the Environment	- CATRIV - Conceptual analysis for transportation on rivers. - DIATS - Deployment of inter-urban ATT test scenarios. - HINT - Human implications of new technologies. - RECONNECT - Reducing congestion by introducing new concepts of transport. - UTOPIA - Urban transport: options for propulsion systems and instruments for analysis.
FATIMA	urban	Financial Assistance for Transport Integration in Metropolitan Areas	- FISCUS - Cost evaluation and financing schemes for urban transport systems. - OPTIMA - Optimisation of policies for transport integration in metropolitan areas.
FISCUS	urban	Cost Evaluation and Financing Schemes for Urban Transport Systems	- AFFORD - Acceptability of fiscal and financial measures and organisational requirements for demand management. - CAPRI - Concerted Action on transport pricing research integration. - CONCERT-P - Co-operation for novel city electronic regulating tools. - FATIMA - Financial assistance for transport integration in metropolitan areas. - QUITS - Design and testing of an integrated methodology for the valuation of the quality of transport systems and services in Europe. - TRANSPRICE - Trans modal integrated urban transport pricing for optimum modal split. - TRENEN II STRAN - Models for transport, environment and energy - version 2 - strategic transport policy analysis.
GUIDE	urban	Group for Urban Interchanges Development & Evaluation	- HSR-COMET: Intermodal connection of high-speed railway terminals in metropolitan areas. - MIMIC: Mobility, intermodality and interchanges. - PIRATE: Promoting interchange rationale, accessibility and transfer efficiency.
HINT	strategic	Human implications of new technologies	- EUFRANET - European freight railway network. - FANTASIE - Forecasting and assessment of new technologies and transport systems and their impact on the environment. - WORKFRET - Working cultures in the face of intermodal freight transport systems.
ICARO	urban	Increase of Car Occupancy through innovative measures and technical instruments	- MOMENTUM - Mobility management for the urban environment. - MOSAIC - Mobility management applications in the Community.
IDIOMA	integrated	Innovative distribution with intermodal freight operation in metropolitan areas	
INCOME	urban	Integration of Traffic Control and Other Measures	- DIRECT - Data integration requirements of European cities for transport. - MUSIC - Management of traffic using traffic flow control and other measures. - OPIUM - Operational project for integrated urban management. TAP-project COSMO
INPHORMM	urban	Information and Publicity Helping the Objective of Reducing Motorised Mobility	- CAMPARIE - Campaigns for awareness using media and publicity to assess the responses of individuals - MOMENTUM - Mobility management for the urban environment. - MOSAIC - Mobility strategy applications in the community.
INTERCEPT	urban	Intermodal Concepts in European Passenger Transport	*keine Informatuionen verfügbar*
INTRAMUROS	urban	Integrated Urban transport concepts and market orientated urban transport systems/on demand urban transport systems.	- INCOME - Integration of traffic control with other measures. - MOTIF - Market orientated transport in focus.
ISOTOPE	urban	Improved Structure and Organization for Transport Operations of Passengers in Europe	- MINIMISE - Managing interoperability by improvements in transport system organisation in Europe. - QUATTRO - Quality approach in tendering urban public transport operations.

Acronym	Cluster	Titel	
LEAN	urban	Introduction of Lean Logistics into Urban Multi-modal Transport Management	- FREIA - Networking of European freight villages. - FV-2000 - Quality of freight villages' structure and operations. - IDIOMA - Innovative distribution with intermodal freight operation in metropolitan areas. - REFORM - Research on freight platforms and freight organisation.
LEDA	urban	Legal and Regulatory Measures for Sustainable Transport in Cities - Projects screens different EU projects for relevance	- CAPTURE - Cars to public transport in the urban environment. - OPIUM - Operational project for integrated urban management. - TASTE - Analysis and development of tools for assessing traffic demand management strategies. - TRANSLAND - Integration of transport and land-use planning
MAESTRO	strategic	Monitoring, Assessment and Evaluation Scheme for Transport Policy options in Europe	- PROTEE - Procedures for transport evaluation and monitoring of radical innovations in collective experiments. - SITPRO - Impact of the Transport Programme. - UTOPIA - Urban transport: options for propulsion systems and instruments for analysis.
MESUDEMO	strategic	Methodology for establishing a database on transport supply, demand and modelling in Europe	- ASSEMBLING – Assembling a European network of monitoring centres for transport infrastructure. - BRIDGES – Building bridges between digital transport databases, GIS applications and transport models to develop ETIS software structure. - CONCERTO – Concerted Action for European transport information systems. - GEOSYSTRANS-1 – Geomatic database on European transport. - INFREDAT – Methodology for collecting intermodal freight transport data. - INFOSTAT – Information systems. - MYSTIC – Methodology for statistical analyses, modelling and data collection. - SCENES – Modelling and methodology for analysing the inter-relationship between external developments and European transport.
MIMIC	urban	Mobility, Intermodality and Interchanges	- GUIDE – Group for urban interchanges development and evaluation. - HSR-COMET – Intermodal connection of high-speed railway terminals in metropolitan areas. - PIRATE – Promoting interchange rationale, accessibility and transfer efficiency.
MOMENTUM	urban	Mobility Management for the Urban Environment	- ICARO – Increase of car occupancy through innovative measures and technical instruments. - INPHORMM – Information and publicity helping the objective of reducing motorised mobility. - **MOSAIC** – Mobility management applications in the Community.
MOSAIC	urban	Mobility Strategy Applications in the Community	- ICARO – Increase of car occupancy through innovative measures and technical instruments. - INPHORMM – Information and publicity helping the objective of reducing motorised mobility. - **MOMENTUM** – Mobility management □ort he urban environment.
MOTIF	urban	Market Orientated Transport in Focus	- INTRAMUROS – Integrated urban transport concepts and market-orientated urban transport systems / on-demand urban transport systems. - ISOTOPE – Improved structure and organisation for transport operations of passengers in Europe. - QUATTRO – Quality approach in tendering urban public transport operations.
MUSIC	urban	Management of Traffic Using Traffic Flow Control and Other Measures	- AIUTO – Models and methodologies for the assessment of innovative urban transport systems and policy options. - HIPERTRANS – High performance transport network modelling and simulation. - INCOME – Integration of traffic control with other measures.
MUSSST	urban	Multimodal safety satellite system for transport	- VAST: GNSS – value added services for transport

Acronym	Cluster	Titel	
MYSTIC	strategic	Methodology for Statistical Analyses, Modelling and Data Collection – Towards Origin-Destination Matrices for Europe	- CONCERTO – Concerted Action for European transport information systems. - GEOSYSTRANS 1 – Geomatic database on European transport. - INFOSTAT – Information systems. - INFREDAT – Methodology for collecting intermodal freight transport data. - MEST – Methods for European surveys of travel behaviour. - MESUDEMO – Methodology for establishing a database on transport supply, demand and modelling in Europe. - OD-ESTIM – Cost-efficient origin/destination estimator. - SCENES – Modelling and methodology for analysing the inter-relationship between external developments and European transport. - STEMM – Strategic European multi-modal modelling. - STREAMS – Strategic transport research for European Member States.
OPIUM	urban	Operational Project for Integrated Urban Management	- CAPTURE – Cars to public transport in the urban environment. - INCOME – Integration of traffic control with other measures. - MUSIC – Management of traffic using traffic flow control and other measures.
OPTIMA	urban	Optimisation of Policies for Transport Integration in Metropolitan Areas	- CAPRI – Concerted action for transport pricing research integration. - FATIMA – Financial assistance for transport integration in metropolitan areas. - PETS – Pricing European transport systems. - TRANSPRICE – Transmodal integrated urban transport pricing for optimum modal split. - TRENEN II – Models for transport, environment and energy – strategic transport policy analysis.
PASTEUR	strategic	Policy Assessment, Scenario Analysis and Transport Economic Research in Europe	- CAPRI: Concerted Action for transport pricing research integration.
PATS	strategic	Pricing Acceptability in the Transport Sectors	- AFFORD - Acceptability of fiscal and financial measures and organisational requirements for demand management. - CAPRI - Concerted action for transport pricing integration. - CONCERT-P - Co-operation for novel city electronic regulating tools. - EUROTOLL - European project for toll effects and pricing strategies. - PETS - Pricing European transport systems. - PRIMA - Pricing measures acceptance. - TRANSPRICE - Trans modal integrated urban transport pricing for optimum modal split.
PETS	strategic	Pricing European Transport Systems.	- AFFORD - Acceptability of fiscal and financial measures and organisational requirements for demand management. - CAPRI - Concerted Action on transport pricing research integration. - EUROTOLL - European project for toll effects and pricing strategies. - FISCUS - Cost evaluation and financing schemes for urban transport systems. - QUITS - Design and testing of an integrated methodology for the valuation of the quality of transport systems and services in Europe. - TRANSPRICE - Transmodal integrated urban transport pricing for optimum modal split. - TRENEN II STRAN - Models for transport, environment and energy - version 2 - strategic transport policy analysis.
PIRATE	urban	Promoting Interchange Rationale Accessibility and Transfer Efficiency	- GUIDE - Group for urban interchanges development and evaluation. - HSR-COMET - Intermodal connection of high-speed railway terminals in metropolitan areas. - MIMIC - Mobility, intermodality and interchanges.

Acronym	Cluster	Titel	
POSSUM	strategic	Policy Scenarios for Sustainable Mobility	- EUROMOS - European road mobility scenarios. - SCENARIOS - Scenarios for Trans European Network. - SCENES - Modelling and methodology for analysing the interrelationship between external developments and European transport. - STREAMS - Strategic transport research for European Member States.
PRIMA	road	Pricing Measures Acceptance - Capabilities of advanced traffic management tools	- CAPRI - Concerted Action for transport pricing integration. - CONCERT-P - Co-operation for novel city electronic regulating tools. - EUROTOLL - European project for toll effects and pricing strategies. - PATS - Pricing acceptability in the transport sector. - PETS - Pricing European transport systems. - TRANSPRICE - Transmodal integrated urban transport pricing for optimum modal split. Predecessor projects: QUITS, TRENEN II/STRAN; projects of the TAP-Programme: VASCO, ADEPT II, MOVE-IT, HANNIBAL, VERA, ENTERPRICE, A1, ADVICE, INITIATIVE
PROTEE	strategic	Procedures for Transport Evaluation and Monitoring of Radical Innovations in Learning Experiments	- MAESTRO - Monitoring, assessment and evaluation of transport policy options in Europe. - UTOPIA - Urban transport: options for propulsion systems and instruments for analysis.
QUATTRO	urban	Quality Approach in Tendering Urban Public Transport Operations	- EQUIP - Extending the quality of public transport. - ISOTOPE - Improved structure and organisation fortransport operations of passengers in Europe. - QUITS - Design and testing of an integrated methodology for the evaluation of the quality of transport systems and services in Europe.
QUITS	strategic	Quality Indicators for Transport Systems	- CAPRI - Concerted Action for transport pricing research integration - EUROTOLL - European project for toll effects and pricing strategies - PETS - Pricing European transport systems - TRENEN II - Models for transport, environment and energy- strategic transport policy analysis.
RECONNECT	road	Reducing Congestion by Introducing New Concepts of Transport	- FANTASIE - Assessment of new technologies and environmental issues. - HINT - Human implications of new technologies. - TRANSINPOL - Transport information systems policies. - UTOPIA - Urban transport options for propulsion systems and instruments for analysis.

Acronym	Cluster	Titel	
SAMI	strategic	Strategic Assessment Methodology for the Interaction of CTP Instrument	*Definition of the scenarios:* - SCENARIOS - Scenarios for Trans European Network - STREAMS - Strategic transport research for European Member States - POSSUM - Policy scenarios for sustainable mobility. *Instruments:* - QUITS – Design and testing of an integrated methodology for the evaluation of the quality of transport systems and services in Europe - TRENEN II STRAN – Models for transport, environment and energy- strategic transport policy analysis. - PETS – Pricing European transport systems - ECONOMETRIST – Economic Evaluation of the Impacts of Transport Activities on Member States *(and modelling)* - EUROTOLL – European project for toll effects and pricing strategies. - SORT IT – Strategic organisation and regulation in transport - MINIMISE – Managing interoperability by improvements in transport system organisation in Europe (trans European transport systems). *Methodology: results of* - COST 328 – Integrated Strategic Transport Infrastructure Networks in Europe - NECTAR (ideas from) – Networked Electronic Storage and Communications of Telematics Applications Programme Results *Optimisation process:* - OPTIMA – Optimisation of policies for transport integration in metropolitan areas. *Modelling:* - COMMUTE – Common Methodology for Multi-Modal Transport Environmental Impact Assessment (*in close co-operation)* - MEET –Methodology for Calculating Transport Emissions and Energy Consumption - ECOPAC – Econometrics of Impacts - EUNET – Socio-economic and Spatial Impacts of Transport *Data management:* - INFOSTAT – Information Systems *Co-ordination with* - TENASSESS – Policy assessment of Trans-European networks and Common Transport Policy. - ASTRA – Assessment of transport strategies. *Close co-operation with* - EUNET-SASI – Socio-economic and spatial impacts of transport infrastructure investments and transport system.
SCENES	strategic	Szenarien für Europa Transport 2020 Abschätzung der Nachfrage, Sozio-ökonomische Strukturen	
SESAME	urban	Derivation of the Relationship between Land-Use, Behaviour Patterns and Travel Demand for Political and Investment Decisions	- TRANSLAND – Integration of transport and land-use planning.
SITPRO	strategic	Study of the Impacts of the Transport RTD Programme	- EXTRA – Exploitation of Transport Research

Acronym	Cluster	Titel	
SMARTEST	road	Simulation Modelling Applied to Road Transport European Scheme Tests	- HIPERTRANS – High performance transport network modelling and simulation.
SORT-IT	strategic	Strategic Organistion and Regulation in Transport	- AIUTO: Models and methodologies for the assessment of innovative urban transport systems and policies options. - CARISMA: Co-ordinated architectures for the interconnection of networks for suitable mobility with telematics applications. - EUROTOLL: European project for toll effects and pricing strategies. - FREIA: Towards the networking of European freight villages. - MINIMISE: Managing interoperability by improvements in transport system organisation in Europe. - PETS: Pricing European transport systems. - STEMM: Strategic European multi-modal modelling.
START	road	Development of strategies designed to avoid the need for travel	- CAPTURE - Cars to public transport in the urban environment. - DANTE - Designs to avoid the need to travel in Europe. - TASTE - Analysis and development of tools for assessing traffic demand management strategies. Project builds on results of DANTE and EXTRA; EUROTOLL, PETS, FATIMA, INTRAFIN, DG XIII ACTS programme, DELTA/TURA, OPTIMAL, SAMI, POSSUM
STIMULUS	road	Segmentation for Transport in Markets using latent user psychological structures	- HINT - Human implications of new technologies. - INPHORMM - Information and publicity helping the objective of reducing motorised mobility. - PATS - Pricing acceptability in the transport sector. - PRIMA - Pricing measures acceptance.
SWITCH	urban	Sustainable Workable Intermodal Transport Choices	- EU-SPIRIT: European system for passenger services with intermodal reservation, information and ticketing. - GUIDE: Group for urban interchanges development and evaluation. - HSR-COMET: Intermodal connection of high-speed railway terminals in metropolitan areas. - INTERCEPT: Intermodal concepts in European passenger transport. - MIMIC: Mobility, intermodality and interchanges. - PIRATE: Promoting interchange rationale, accessibility and transfer efficiency.
TASTe	road	Analysis and Development of Tools for Assessing Traffic Demand Management Strategies	
TEST	strategic	Technologies for European Surveys of Travel Behaviour	- ASSEMBLING - Assembling a European network of monitoring centres for transport infrastructures. - BRIDGES - Building bridges between digital transport databases, GIS applications and transport models to develop ETIS software. - INFOSTAT - Information systems. - MEST - Methods for European surveys of travel behaviour
TRACE	road	Costs of Private Road Travel and Their Effects on Demand, Including Short and Long Term Elasticities	
TRANSPRICE	urban	Trans Modal Integrated Urban Transport Pricing for Optimum Modal Split	- CAPRI - Concerted Action for transport pricing research integration. - CONCERT-P - Co-operation for novel city electronic regulating tools. - EUROTOLL - European project for toll effects and pricing strategies. - PATS - Pricing acceptability in the transport sector. - PETS - Pricing European transport systems.

Acronym	Cluster	Titel	
TRENEN II STRAN	strategic	Models for Transport, Environment and Energy - Version 2 - Strategic Transport Policy Analysis	- AFFORD - Acceptability of fiscal and financial measures and organisational requirements for demand management. - CAPRI - Concerted Action for transport pricing research integration. - EUROTOLL - European project for toll effects and pricing strategies. - PETS - Pricing European transport systems. - QUITS - Design and testing of an integrated methodology for the valuation of the quality of transport systems and services in Europe.
TROPIC	road	Traffic Optimisation by the Integration of Information and Control	- FORCE/3 - Enhanced field projects for large-scale introduction and validation of RDS/TMC services in Europe. - INCOME - Integration of traffic control with other measures.
VAST	strategic	GNSS - Value added Services for Transport	- TRANSINPOL - Transport information systems policy.
WALCYNG	urban	How to Enhance Walking and Cycling Instead of Shorter Car Trips and to Make these Modes Safer	- ADONIS - Analysis and development of new insight into substitution of short car trips by cycling and walking.

Tabelle 11: Überblick über die an der Projektdurchführung beteiligten Staaten

Acronym	Cluster	Titel	AT	BE	CH	CZ	DE	DK	EE	ES	FI	FR	GB	GR	HU	IE	IT	NL	NO	PT	SE	
ACCEPT	strategic	Action concerning aCCEptance of new technologies and Procedures in Transport	•										•	•				•			•	
ADONIS	urban	Analysis and development of new insight into substitution of short car trips by cycling and walking		•				•		•								•			•	
AFFORD	urban	Acceptability of Fiscal and Financial Measures and Organisational Requirements for Demand Management					•			•	•		•	•								
AIUTO	urban	Models and methodologies for the assessment of innovative urban transport systems and policies options		•									•	•			•	•				
ARTIST	strategic	Agenda for Research on Tourism by Integration of Statistics/ Strategies for Transport	•							•		•	•				•	•				IL

Acronym	Cluster	Titel	AT	BE	CH	CZ	DE	DK	EE	ES	FI	FR	GB	GR	HU	IE	IT	NL	NO	PT	SE	
ASTRA	strategic	Assessment of Transport Strategies					•						•				•					
CAMPARIE	urban	Campaigns for Awareness Using Media and Publicity to Assess Responses of Individuals in Europe	•				•			•	•	•	•	•			•					
CANTIQUE	strategic	Concerted Action on Non-Technical Measures and Their Impact on Air Quality and Emissions					•										•					
CAPRI	strategic	Concerted Action for Transport Pricing Research Integration		•			•					•	•				•					
CAPTURE	urban	Cars to public transport in the urban environment		•				•		•	•		•	•			•					
CARISMA	urban	Co-ordinated ARchitectures for the Interconnection of Networks for Suitable Mobility with Telematics Applications		•			•															
COMMUTE	strategic	Common Methodology for Multimodal Transport Environmental Impact Assessment		•			•				•	•	•				•			•	•	
CONCERTO	strategic	Concerted Action for European Transport Information Systems																•	•			
CONCERT-P	urban	Cooperation for novel city electronic regulating tools					•			•		•	•				•		•			
DANTE	road	Designs to avoid the need to travel in Europe			•			•					•	•			•	•				RO
DIATS	road	Deployment of interurban ATT test scenarios		•			•					•	•						•			
EQUIP	urban	Extending the Quality of Public Transport	•								•		•			•	•	•				
EUROMOS	road	European Road Mobility Scenarios					•			•		•	•				•				•	
EUROTOLL	road	European Project for Toll Effects and Pricing Strategies	•				•					•	•	•			•					

Acronym	Cluster	Titel	AT	BE	CH	CZ	DE	DK	EE	ES	FI	FR	GB	GR	HU	IE	IT	NL	NO	PT	SE	
EU-SPIRIT	urban	European System for Passenger Services with Intermodal Reservation, Information and Ticketing	●				●	●									●					
FANTASIE	strategic	Assessment of new technologies and environmental issues		●			●			●			●				●	●			●	
FATIMA	urban	Financial Assistance for Transport Integration in Metropolitan Areas	●								●		●				●		●			
FISCUS	urban	Cost Evaluation and Financing Schemes for Urban Transport Systems	●				●				●		●				●			●	●	
GUIDE	urban	Group for Urban Interchanges Development & Evaluation										●	●	●				●			●	
HINT	strategic	Human implications of new technologies		●	●						●		●		●			●			●	
ICARO	urban	Increase of Car Occupancy through innovative measures and technical instruments	●	●	●	●				●		●	●	●				●				
IDIOMA	integrated	Innovative distribution with intermodal freight operation in metropolitan areas			●		●					●		●				●			●	
INCOME	urban	Integration of Traffic Control and Other Measures		●			●						●				●					
INPHORMM	urban	Information and publicity helping the objective of reducing motorised mobility					●			●			●				●				●	
INTERCEPT	urban	Intermodal Concepts in European Passenger Transport					●			●			●	●		●		●				
INTRAMUROS	urban	Integrated Urban transport concepts and market orientated urban transport systems/on demand urban transport systems.								●		●	●	●			●					

Acronym	Cluster	Titel	AT	BE	CH	CZ	DE	DK	EE	ES	FI	FR	GB	GR	HU	IE	IT	NL	NO	PT	SE	
ISOTOPE	urban	Improved Structure and Organization for Transport Operations of Passengers in Europe		●			●			●		●	●					●		●	●	
LEAN	urban	Introduction of Lean Logistics into Urban Multi-modal Transport Management	●				●			●			●									
LEDA	urban	Legal/regulatory measures to influence the use of the transport system	●	●			●	●				●				●	●	●				
MAESTRO	strategic	Monitoring Assessment and Evaluation Scheme for Transport Policy options in Europe		●			●			●	●		●	●		●	●	●				RO
MESUDEMO	strategic	Methodology for establishing a database on transport supply, demand and modelling in Europe						●						●				●	●			
MIMIC	urban	Mobility Intermodality and Interchanges	●					●		●	●		●				●					
MOMENTUM	urban	Mobility management for the urban environment	●	●	●		●						●	●				●		●	●	
MOSAIC	urban	Mobility Strategy Applications in the Community					●						●					●				
MOTIF	urban	Market Orientated Transport in Focus					●			●		●						●		●		
MUSIC	urban	Management of traffic using traffic flow control and other measures											●	●			●	●		●		
MUSSST	urban	Multimodal safety satellite system for transport					●			●		●	●									
MYSTIC	strategic	Methodology for Statistical Analyses, Modelling and Data Collection					●					●	●	●				●	●			
OPIUM	urban	Operational project for integrated urban management		●			●					●	●	●				●				
OPTIMA	urban	Optimisation of policies for transport integration in metropolitan areas	●								●		●				●					

Acronym	Cluster	Titel	AT	BE	CH	CZ	DE	DK	EE	ES	FI	FR	GB	GR	HU	IE	IT	NL	NO	PT	SE	
PASTEUR	strategic	Policy Assessment, Scenarios and Transport Economic Research in Europe											•				•	•				
PATS	strategic	Pricing acceptability in the transport sectors	•		•		•					•	•					•		•	•	
PETS	strategic	Pricing European transport systems.			•		•			•	•	•	•				•			•	•	
PIRATE	urban	Promoting Interchange Rationale Accessibility and Transfer Efficiency		•			•			•			•								•	
POSSUM	strategic	Policy scenarios for sustainable mobility					•				•		•	•				•			•	PL
PRIMA	road	Pricing Measures Acceptance			•					•		•						•			•	
PROTEE	strategic	Procedures for Transport Evaluation and Monitoring of Radical Innovations in Learning Experiments					•			•		•						•				
QUATTRO	urban	Quality approach in tendering urban public transport operations		•			•		•	•	•	•					•	•		•		PL
QUITS	strategic	Quality Indicators for Transport Systems					•										•					
RECONNECT	road	Reducing Congestion by Introducing New Concepts of Transport	•				•			•			•					•				
SAMI	strategic	Strategic Assessment Methodology for the Interaction of CTP Instrument	•								•		•					•		•		PL
SCENES	strategic	Szenarien für Europa Transport 2020 Abschätzung der Nachfrage, Sozio-ökonomische Strukturen			•		•			•	•	•	•	•	•		•	•				PL
SESAME	urban	Derivation of the Relationship between Land-Use, Behaviour Patterns and Travel Demand for Political and Investment Decisions			•		•			•		•	•					•				
SITPRO	strategic	Study of the Impacts of the Transport RTD Programme	•				•						•	•						•		

Acronym	Cluster	Titel	AT	BE	CH	CZ	DE	DK	EE	ES	FI	FR	GB	GR	HU	IE	IT	NL	NO	PT	SE	
SMARTEST	road	Simulation Modelling Applied to Road Transport European Scheme Tests								●		●	●				●				●	
SORT-IT	strategic	Strategic Organistion and Regulation in Transport		●			●			●		●	●					●		●	●	
START	road	Development of strategies designed to avoid the need for travel									●		●				●					
STIMULUS	road	Segmentation for Transport in Markets using latent user psychological structures												●		●	●		●			RO
SWITCH	urban	Sustainable Workable Intermodal Transport Choices				●	●						●				●	●				
TASTe	road	Analysis and Development of Tools for Assessing Traffic Demand Management Strategies	●				●			●			●									
TEST	strategic	Technologies for European Surveys of Travel Behaviour	●	●			●					●	●					●		●	●	
TRACE	road	Costs of private road travel and their effects on demand, including short and long term elasticities		●			●										●	●				
TRANSPRICE	urban	Trans modal integrated urban transport pricing for optimum modal split	●				●			●	●		●	●		●	●				●	
TRENEN II STRAN	strategic	Models for Transport, Environment and Energy - Version 2 - Strategic Transport Policy Analysis		●									●	●		●	●	●				
TROPIC	road	Traffic optimisation by the integration of information and control					●				●		●	●			●	●				
VAST	strategic	GNSS - Value added Services for Transport	●					●				●					●	●				
WALCYNG	urban	How to enhance walking and cycling instead of shorter car trips and to make these modes safer	●				●			●	●						●		●		●	

Tabelle 12: Überblick über die unmittelbar an der Projektdurchführung beteiligten Kommunen (Demonstration sites)

Acronym	Cluster	Titel	AT	BE	CH	DE	DK	ES	FI	FR	GB	GR	IE	IT	NL	NO	PT	SE	Sonstiges
ACCEPT	strategic	Action concerning aCCEptance of new technologies and Procedures in Transport																	
ADONIS	urban	Analysis of substituting short car trips by cycling and walking		Brüssel			Kopenhagen	Barcelona							Amsterdam				
AFFORD	urban	Acceptability of Fiscal and FinancialMeasures				Dresden		Madrid	Helsinki		Edinburgh	Athen		Lombardei Como		Oslo			
AIUTO	urban	Assessment of innovative urban transport systems and policies options			Genf						York	Thessaloniki		Como Salerno	Randstad				
ARTIST	strategic	Agenda for Research on Tourism by Integration of Statistics/ Strategies for Transport						Barcelona Toledo		Paris	Canterbury Glasgow			Rom Rimini	Amsterdam Maastricht				Jerusalem (Israel)
ASTRA	Strategic	Assessment of Transport Strategies																	
CAMPARIE	urban	Campaigns for Awareness Using Media and Publicity to Assess Responses of Individuals in Europe				Dormagen		Madrid		Nantes	Leeds	Thessaloniki		Turin					
CANTIQUE	strategic	Concerted Action on Non-Technical Measures and Their Impact on Air Quality and Emissions				Stuttgart			Helsinki	Lyon	London	Athen		Turin Neapel Como Salerno			Bilbao	Göteborg	
CAPRI	strategic	Concerted Action for Transport Pricing Research Integration																	

Acronym	Cluster	Titel	AT	BE	CH	DE	DK	ES	FI	FR	GB	GR	IE	IT	NL	NO	PT	SE	Sonstiges
CAPTURE	urban	Cars to public transport in the urban environment					Kopen-hagen	Madrid	Tampere		London Greater Manches-ter	Mytilini		Brescia Orvieto Rom					Bucharest (Rumänien)
CARISMA	urban	Co-ordinated ARchitec-tures for the Interconnec-tion of Networks for Suitable Mobility with Telematics Applications				Frank-furt				Lille	London			Trieste					Budapest (Ungarn)
COMMUTE	strategic	Common Methodology for Multimodal Transport Environmental Impact Assessment																	
CONCERTO	strategic	Concerted Action for European Transport Information Systems																	
CONCERT-P	urban	Cooperation for novel city electronic regulating tools				Hanno-ver		Barcelona		Marseille	Bristol	Thessa-loniki	Dublin	Bologna		Trond-heim			
DANTE	road	Designs to avoid the need to travel in Europe			Zürich		Aalborg				Bristol	Matilene		Brescia Rom	Enschede				Bristol-Bath (UK) Brescia-Verona (IT) Bucharest (Rumänien)
DIATS	road	Deployment of interurban ATT test scenarios																	
EQUIP	urban	Extending the Quality of Public Transport																	
EUROMOS	road	European Road Mobility Scenarios				Mün-chen		Barcelona		Bordeaux	Southamp ton			Turin				Göte-borg	
EUROTOLL	road	European Project for Toll Effects and Pricing Strategies				Stutt-gart					Leicester			Florenz					

Acronym	Cluster	Titel	AT	BE	CH	DE	DK	ES	FI	FR	GB	GR	IE	IT	NL	NO	PT	SE	Sonstiges
EU-SPIRIT	urban	European System for Passenger Services with Intermodal Reservation Information and Ticketing																	
FANTASIE	strategic	Assessment of new technologies and environmental issues																	
FATIMA	urban	Financial Assistance for Transport Integration in Metropolitan Areas	Wien						Helsinki		Edinburgh Merseyside			Turin		Oslo			
FISCUS	urban	Cost Evaluation and Financing Schemes for urban Transport Systems																	
GUIDE	urban	Group for Urban Interchanges Development & Evaluation								Paris	London Birmingham Manchester	Athen			Amsterdam Utrecht			Stockholm	
HINT	strategic	Human implications of new technologies																	
ICARO	urban	Increase of Car Occupancy through innovative measures and technical instruments	Salzburg Graz	Brüssel	Bern			Madrid (Modell)			Leeds	Thessaloniki (Modell)			Rotterdam				Pilsen (CZ)
IDIOMA	integrated	Innovative distribution with intermodal freight operation in metropolitan areas				Nürnberg				Paris					Amsterdam Den Haag Rotterdam Utrecht (Randstad)			Malmö (Öresund)	
INCOME		Integrated Strategies for Urban Traffic Control									London	Piraeus		Turin				Göteborg	

Acronym	Cluster	Titel	AT	BE	CH	DE	DK	ES	FI	FR	GB	GR	IE	IT	NL	NO	PT	SE	Sonstiges
INPHORMM	urban	Information and publicity helping the objective of reducing motorised mobility				Kassel	Aarhus	Madrid						Venedig				Karlstad	
INTERCEPT	urban	Intermodal Concepts in European Passenger Transport				Bremen		Barcelona			Bristol				Alkmaar				
INTRAMUROS	urban	Integrated Urban transport concepts and market orientated urban transport systems/on demand urban transport systems.						Valencia	Kuusankoski	Toulouse	London	Athen		Brescia					
ISOTOPE	urban	Improved Structure and Organization for Transport Operations of Passengers in Europe	Graz	Brüssel		Berlin Hamburg München Köln u.a.	Kopenhagen Aarhus	Madrid Barcelona Valencia Sevilla	Helsinki	Lyon Lille Marseile Toulouse u. a.	Birmingham Leeds Manchester Liverpool Sheffield Newcastle	Athen Thessaloniki	Dublin	Rom Mailand Bologna Catania	Amsterdam Rotterdam Den Haag Utrecht Arnheim	Oslo	Lissabon	Stockholm Göteborg	
LEAN	urban	Introduction of Lean Logistics into Urban Multimodal Transport Management	Wien Wiener Neustadt Linz			Regensburg Halle		Sevilla Cordoba			Norwich								
LEDA	urban	Legal/regulatory measures to influence the use of the transport system	Linz Wiener Neustadt	Brügge Gent Hasselt	Zug	Bremen Erfurt Lemgo Aachen Heidelberg	Kopenhagen Aalborg	Madrif	Helsinki Oulu	Lyon Straßburg	Edinburg Leeds	Athen Maroussi	Dublin	Florenz Bologna Modena	Den Haag Utrecht Almere	Bergen Oslo	Lissabon Evora	Göteborg Lund	Krakau (PL) Budapest (HU)
MAESTRO	strategic	Monitoring Assessment and Evaluation Scheme for Transport Policy options in Europe																	

Acronym	Cluster	Titel	AT	BE	CH	DE	DK	ES	FI	FR	GB	GR	IE	IT	NL	NO	PT	SE	Sonstiges
MESUDEMO	strategic	Methodology for establishing a database on transport supply, demand and modelling in Europe																	Transalpine
MIMIC	urban	Mobility Intermodality and Interchanges					Kopenhagen		Tampere		London			Rom			Bilbao		Warschau (PL)
MOMENTUM	urban	Mobility management for the urban environment	Graz	Leuven Namur		Gladbeck Münster Potsdam					Leicester	Corfu		Bologna	Arnheim		Coimbra	Göteborg	
MOSAIC	urban	Mobility Strategy Applications in the Community				Wuppertal					Nottingham				Utrecht Groningen Leiden				
MOTIF	urban	Market Orientated Transport in Focus	Linz Graz			Hannover Münster		Madrid Barcelona		Roissy	London Manchester Birmingham Andover			Bologna	Rotterdam Den Haag Arnheim Einhoven Dordrecht Maastricht		Lissabon		
MUSIC	urban	Management of traffic using traffic flow control and other measures									York	Thessaloniki					Porto		
MUSSST	urban	Multimodal safety satellite system for transport																	
MYSTIC	strategic	Methodology for Statistical Analyses, Modelling and Data Collection																	
OPIUM	urban	Operational project for integrated urban management		Gent		Heidelberg				Nantes	Liverpool	Patra			Utrecht				

Acronym	Cluster	Titel	AT	BE	CH	DE	DK	ES	FI	FR	GB	GR	IE	IT	NL	NO	PT	SE	Sonstiges
OPTIMA	urban	Optimisation of policies for transport integration in metropolitan areas	Wien						Helsinki		Edinburgh Merseysi-de			Turin		Oslo			
PASTEUR	strategic	Policy Assessment, Scenarios and Transport Economic Research in Europe	wertet ca. 40 Projekte aus!!																
PATS	strategic	Pricing acceptability in the transport sectors																	
PETS	strategic	Pricing European trans-port systems.	Szenarios													Oslo Gothen-burg	Lissabon		
PIRATE	urban	Promoting Interchange Rationale Accessibility and Transfer Efficiency (surveys)		Ant-werpen Mechelen Hasselt		Aachen		Getafe u.a.			Adwick Doncaster								Riga (Litauen)
POSSUM	strategic	Policy scenarios for sustainable mobility																	
PRIMA	road	Pricing Measures Accep-tance			Zürich Bern			Barcelona		Marseille Lyon					Rotter-dam	Oslo		Stock-holm	
PROTEE	strategic	Procedures for Transport Evaluation and Monitoring of Radical Innovations in Learning Experiments				Duis-burg				Trappes (Commu-ter) Le Havre					Rotter-dam (ECT Terminal)				
QUATTRO	urban	Quality approach in tendering urban public transport operations	Wien	Brüssel	Zürich	Ham-burg Mün-chen	Kopen-hagen	Barcelona	Helsinki	Paris Lyon	London Birming-ham	Athen	Dublin	Rom Turin	Amster-dam Antwer-pen Den Haag	Oslo	Lissabon	Stock-holm	New York Mexiko Budapest
QUITS	strategic	Quality Indicators for Transport Systems																	
RECONNECT	road	Reducing Congestion by Introducing New Con-cepts of Transport	Wuppertaler Schwebebahn																

Acronym	Cluster	Titel	AT	BE	CH	DE	DK	ES	FI	FR	GB	GR	IE	IT	NL	NO	PT	SE	Sonstiges
SAMI	strategic	Strategic Assessment Methodology for the Interaction of CTP Instrument																	
SCENES	strategic	Szenarien für Europa Transport 2020																	
SESAME	urban	Derivation of the Relationship between Land-Use, Behaviour Patterns and Travel Demand for Political and Investment Decisions						Barcelona		Lyon	London								
SITPRO	strategic	Study of the Impacts of the Transport RTD Programme																	
SMARTEST	road	Simulation Modelling Applied to Road Transport European Scheme Tests																	
SORT-IT	strategic	Strategic Organisation and Regulation in Transport	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
START	road	Development of strategies designed to avoid the need for travel	Interviews																
STIMULUS	road	Segmentation for Transport in Markets using latent user psychological structures											Dublin Belfast	Turin		Oslo			Bucharest (Rumänien)
SWITCH	urban	Sustainable Workable Intermodal Transport Choices				Dresden					Newcastle Gateshead			Venedig	Rotterdam Dordrecht				

Acronym	Cluster	Titel	AT	BE	CH	DE	DK	ES	FI	FR	GB	GR	IE	IT	NL	NO	PT	SE	Sonstiges
TASTe	road	Analysis and Development of Tools for Assessing Traffic Demand Management Strategies																	
TEST	strategic	Technologies for European Surveys of Travel Behaviour																	
TRACE	road	Costs of private road travel and their effects on demand, including short and long term elasticities																	
TRANSPRICE	urban	Trans modal integrated urban transport pricing for optimum modal split	Graz					Madrid			Leeds York	Athen		Como				Göteborg	
TRENEN II STRAN		Strategic Transport Policy Analysis		Brüssel							London	Athen	Dublin	Mestre	Amsterdam				
TROPIC	road	Traffic optimisation by the integration of information and control																	
VAST	strategic	GNSS - Value added Services for Transport																	
WALCYNG	urban	How to enhance walking and cycling instead of shorter car trips																	

Tabelle 13: Systematisierung der Projekte des Programms ‚TRANSPORT' basierend auf den EXTRA- Themenpapieren

Ganzheitliche politische Aspekte der nachhaltigen Mobilität

Cluster	Sektor	Projekte *
Understanding the market	Integrated transport chains Road Strategic research Urban	LOGICAT, **PROMOTIQ** **PRIVILEGE**, **REDEFINE**, **SOFTICE**, **STIMULUS** **MINIMISE** **AFFORD**, **CONCERT-P**, **INTRAMUROS**, **LEDA**
Visioning the future	Road Strategic research	**EUROMOS** **POSSUM**, **SCENARIOS**, SCENES, **STREAMS**
Tools and methods	Road Strategic research Urban	**HIPERTRANS**, **SMARTEST** **ASSEMBLING**, **BRIDGES**, CONCERTO, **ECONOMETRIST**, **EUROSIL**, **INFOSTAT**, **INFREDAT**, **INTERNAT**, **MAESTRO**, **MEST**, **MESUDEMO**, **MYSTIC**, **OD-ESTIM**, PASTEUR, **PROTEE**, **SITPRO**, **STEMM**, **TEST** **SESAME**
Transport management	Road Urban	**DANTE, PRIVILEGE, START, TASTe** **CAPTURE, INCOME, MOTIF, OPIUM, OPTIMA, TRANSLAND**
Pricing and financing	Road Strategic research Urban	**EUROTOLL**, **PRIMA**, **CAPRI**, **PATS**, **PETS**, **QUITS**, **TRENEN** **AFFORD**, **CONCERT-P**, **FATIMA**, **FISCUS**, **TRANSPRICE**
Mobility management	Urban	**CAMPARIE**, **ICARO**, **INPHORMM**, **MOMENTUM**, **MOSAIC**
New technologies and transport concepts	Road Strategic research Urban	**DIATS**, **RECONNECT** **FANTASIE**, **TRANSINPOL** **LEAN**, **REFORM**, **UTOPIA**
Evaluating the CTP and TEN-T	Strategic research	**ASTRA**, **CODE-TEN**, **MINIMISE**, **SAMI**, **TENASSESS**

* Projekte, die in dem entsprechenden thematischen Papier ausgewertet wurden, sind fett gedruckt.

Ökonomische Aspekte der nachhaltigen Mobilität

Cluster	Sektor	Projekte *
Land use and macro-economic effects	Strategic research Urban Waterbourne	**ARTIST**, **ASTRA**, **ECONOMETRIST**, **ECOPAC**, **POSSUM**, **SCENARIOS**, SCENES, **STREAMS** **SESAME**, **TRANSLAND** E-EIS
Regional linking	Integrated transport chains Strategic research Waterbourne	**SCANDINET** **CODE-TEN**, **EUNET**, **EUROSIL**, **TENASSESS** **EUDET**

Completion of the Single Market	Air Rail Strategic research Urban	**MAICA** **EUFRANET**, **LIBERAIL** **MINIMISE**, **SORT-IT** **ISOTOPE**
EU competitiveness, employment and innovation	Rail Road Strategic research Waterbourne	**EUROPE-TRIP**, **PRORATA** **REDEFINE**, **SOFTICE** **FANTASIE**, **RECONNECT** **ASDSS**, EMMA
External trade	Waterbourne	**ARCDEV**, **ICE ROUTES**, **MASSOP**
Pricing, financing and external costs	Road Strategic research Urban Waterbourne	**EUROTOLL**, **START**, **TRACE** **CAPRI**, **PETS**, **QUITS**, **TRENEN** **AFFORD**, **FATIMA**, **FISCUS**, **OPTIMA** ATENCO

* Projekte, die in dem entsprechenden thematischen Papier ausgewertet wurden, sind fett gedruckt.

Soziale Aspekte der nachhaltigen Mobilität

Cluster	Sektor	Projekte *
Physical accessibility	Integrated transport chains Road Urban Waterbourne	INTERCEPT **PRIVILEGE**, **PROMISING** **ADONIS**, **CAMPARIE**, **CAPTURE**, EU-SPIRIT, **GUIDE**, **INPHORMM**, **MIMIC**, **OPIUM**, **PIRATE**, **WALCYNG** **HANDIAMI**
Pricing acceptance and equity	Road Strategic research Urban Waterbourne	**EUROTOLL**, **EXTRA/2**, **PRIMA**, **SOFTICE** **CAPRI**, **PATS** **AFFORD**, **CONCERT-P**, **TRANSPRICE** ATENCO
Support for public transport	Rail Urban	**SONERAIL** **ISOTOPE**, **VIRGIL**
European cohesion	Strategic research	**ASTRA**, **CODE-TEN**, **EUNET**, **EUROSIL**, **TENASSESS**
Working conditions	Air Strategic research Waterbourne	**RHEA** **HINT**, **WORKFRET** **HANDIAMI**, MASIS II, THALSSES, WORKPORT

* Projekte, die in dem entsprechenden thematischen Papier ausgewertet wurden, sind fett gedruckt.

Umweltaspekte der nachhaltigen Mobilität

Cluster	Sektor	Projekte *
Understanding environmental impacts	Strategic research Urban	**CANTIQUE**, **CAPRI**, **COMMUTE**, **INTERNAT**, **MEET**, **QUITS**, **TRENEN** **AFFORD**, **FISCUS**
Mitigating the environmental impacts of transport	Air Rail Road Waterbourne	AEROCERT, **SOURDINE** **METARAIL** **ALT-MAT**, POLMIT **ECO**, **EMARC**, **H-SENSE**
Development of environmentally-friendly forms of transport	Road Strategic research Urban Waterbourne	**PROMISING** **FANTASIE** **ADONIS**, **UTOPIA**, **WALCYNG** CATRIV

* Projekte, die in dem entsprechenden thematischen Papier ausgewertet wurden, sind fett gedruckt.

Städtischer Verkehr

Cluster	Sektor	Projekte *
Pricing	Strategic research Urban	**CAPRI** **AFFORD**, **CONCERT-P**, **FISCUS**, **TRANSPRICE**
Traffic management	Integrated transport chains Road Urban	SWITCH DUMAS, **PRIVILEGE** **AIUTO**, **DIRECT**, **INCOME**, **LEDA**, **MUSIC**
Land-use/transport planning	Road Urban	**DANTE**, **START** **TRANSLAND**
Mobility management	Strategic research Urban	**ARTIST** **CAMPARIE**, **ICARO**, **INPHORMM**, **MOMENTUM**, **MOSAIC**
Interchanges/interfaces	Strategic research Urban	**EMOLITE** **GUIDE**, **HSR-COMET**, **MIMIC**, **PIRATE**
Infrastructure	Urban	**CAPTURE**, **OPIUM**
Non-motorised transport	Road Urban	**PROMISING** **ADONIS**, **WALCYNG**
New transport concepts	Integrated transport chains Road Urban Waterbourne	IDIOMA, **IMPREND**, INTERCEPT **RECONNECT** **LEAN**, **REFORM**, **UTOPIA** CATRIV
Organisational strategies	Urban	**CARISMA**, **ISOTOPE**, **QUATTRO**, **VIRGIL**

Indicators, tools, methods	Road Urban	**EUROMOS**, **HIPERTRANS** **EQUIP**, **FATIMA**, **INTRAMUROS**, **MOTIF**, **OPTIMA**, **SESAME**

* Projekte, die in dem entsprechenden thematischen Papier ausgewertet wurden, sind fett gedruckt.

Effizienz und Qualität

Cluster	Sektor	Projekte *
Infrastructure and vehicle design and maintenance	Rail Road Urban Strategic research	**CRMA**, **HVB** **ALTMAT**, **AMADEUS**, **ART**, BRIME, COURAGE, **PARIS**, PAVECO, WAVE **UTOPIA** **RECONNECT**
Traffic management and control	Air Rail Road Urban Waterborne transport	**4MIDABLE**, **ADORA**, **ARAMIS**, **ARIBA**, **ASIVAL**, AVENUE, **CASCADE**, **CAVA**, **DAVINCI**, **EMERALD**, **ESTEEM**, **FACTOR**, **FARADEX**, **FRIENDLY**, **GENOVA**, **MAICA**, **MICA**, **NEAP**, **NOAA**, **PATIO**, **PROCTOR**, **SECAM,** TORCH2005, **TRAFFIC**, **WEATHER** **EMSET**, **ERTMS-EUROSIG**, **ERTMS Tests**, **ETCS-VB**, HEROE, **MORANE**, **OPTIRAILS** FORCE/3, **HIPERTRANS**, **SMARTEST**, **Tropic** **INCOME**, **MUSIC** **ATOMOS II**, **COMFORTABLE**, **DISC**, DISC II, **ICE ROUTES**, **INCARNATION**, INDRIS, **MOVIT**, **RINAC**, **VASME**, **VTMISCA**, **VTMIS-NET**
Terminal design and operation	Air Integrated transport chains Urban Waterborne transport	**ATOPS**, **DEFAMM**, **OPTAS part A**, **OPTAS part B**, **SAMS**, **TAPE** **PLATFORM**, **PRECISE**, **TERMINET** **GUIDE**, **MIMIC**, **PIRATE** INTRASEAS, **IPSI**, **SPHERE**
Network design and operation Integrated transport chains	Integrated transport chains Rail Strategic research Urban Waterborne transport	**CESAR**, **FREIA**, **IMPREND**, **IMPULSE**, **INFOLOG**, **INTRARTIP**, IQ; ITESIC; **OCTOPUS**, **OSIRIS**, **PISCES**, **TACTICS**, **XMODALL** **EUFRANET**, FIRE, HIGHSPEEDMIX, **INTELFRET**, **PRORATA** **ASTRA**, **CODE-TEN**, **EMOLITE**, **EUROSIL**, **STREAMS**, **TENASSES**, **TRANSINPOL**, **VAST** **ADONIS**, **CARISMA**, **EQUIP**, **HSR COMET**, IDIOMA, **LEAN**, **MOTIF**, **REFORM**, **VIRGIL** **3SNET**, **ARCDEV**, **BOPCOM**, CATRIV, EMMA, **EUROBORDER**, **EUDET**, INCATS, INSPIRE, **MARNET, PROSIT, SHIFTING CARGO, SSS CA**
Transport demand management	Road Urban	**DANTE**, **START**, **TASTE** **AIUTO**, **CAPTURE**, **ICARO**, **OPIUM**, **PRIVILEGE**
Mobility management	Urban	**CAMPARIE**, **INPHORMM**, **MOSAIC**, **MOMENTUM**
Pricing and financing	Road Strategic research Urban Waterborne transport	**EUROTOLL**, **PRIMA**, **SOFTICE** **CAPRI**, **ECONOMETRIST**, PATS, **PETS**, **PROFIT**, **QUITS**, **TRENEN II STRAN** **AFFORD**, **CONCERT-P**, **FATIMA**, **FISCUS**, **TRANSPRICE** ATENCO
Regulatory framework	Rail Strategic research Urban	**EUROPE-TRIP**, **LIBERAIL** **MINIMISE**, **SORT-IT** **INTRAMUROS**, **ISOTOPE**, **QUATTRO**

* Projekte, die in dem entsprechenden thematischen Papier ausgewertet wurden, sind fett gedruckt.

Safety and security

Cluster	Sektor	Projekte
Reporting and (common) guidance	Waterborne transport Road	**BERTRANC**, **CASMET**, MBB, **PHOENIX** DUMAS, **STAIRS**
Assessments	Waterborne transport Air Road	**FASS**, **FSEA**, **SAFECO I**, **SAFECO II**, **SEALOC** **ARIBA**, FULMEN GADGET, ROSITA
Transport operation (active safety)	Rail Waterborne transport Air Strategic research	**ACRUDA**, **EMSET**, **ERTMS Tests**, **EUROSIG**, HEROE, **REMAIN** **ATOMOS II**, **COMFORTABLE**, **ICE ROUTES**, **INCARNATION** **EMERTA**, **EURICE**, **NEAP** **MUSSST**
Transport infrastructure (active safety)	Road Air Waterborne transport	**MASTER**, SAFESTAR, WAVE **CONTAMRUNWAY**, **GORAC** INTRA-SEAS
Driver/passenger safety	Road Air	**ADRIA**, COMPATIBILITY, TSM **ICEPS**, **IMPCHRESS**
Non user safety	Road	**PROMISING**
Qualifications/behaviour	Air Waterborne transport Rail Road	**ECOTTRIS**, JAR TEL, **RHEA** **MASSTER**, **METHAR** **HUSARE** ESCAPE
Working conditions	Waterborne transport Road Strategic research Integrated transport chains	**HANDIAMI**, MASIS II **ARROWS** **WORKFRET** **FV-2000**

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Human factors

Cluster	Sektor	Projekte *
Education/qualification and training	Waterborne transport Air	**FSEA**, **HANDIAMI**, **MASSTER**, **METHAR** **CAST**
Human role	Waterborne transport Air	REWORD, **THALASSES** **RHEA**, **SRATM**
Technology acceptance	Strategic research Waterborne transport	**HINT**, **WORKFRET** WORKPORT

Cluster	Sektor	Projekte *
Driver/operator behaviour	Waterborne transport Air Rail	**ATOMOS II**, **BERTRANC**, **CASMET**, **MARCOM** **ECOTTRIS**, JAR-TEL **HUSARE**
Automation	Air Rail	**CAST** **ERTMS Tests**
Information management	Air Rail Waterborne transport	**DEFAMM**, **GORAC**, **SAMS** **ERTMS Tests** **RINAC**
Operational procedures	Air Rail Waterborne transport	**ECOTTRIS**, **RHEA** **ERTMS Tests** MASIS II
Retaining skills	Air Waterborne transport	**ECOTTRIS**, JAR-TEL, **RHEA** **THALASSES**

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Interoperabilität

Cluster	Sektor	Projekte *
Scenarios	Strategic research	**POSSUM**, SCENES 10-11-12
Tools and methodologies	Strategic research Integrated transport chains	**ASTRA**, **CODE-TEN**, **COMMUTE**, **EUROSIL** **LOGIQ**
Organisation	Strategic research Urban transport Rail	LOGICAT, **MINIMISE**, **SORT-IT** **ISOTOPE**, **REFORM** **LIBERAIL**
Pricing	Urban transport Strategic research Integrated transport chains	**FISCUS** **PETS** **TACTICS**
Quality of networks	Integrated transport chains Urban transport Rail Waterborne	**APRICOT**, EU-SPIRIT, **OSIRIS**, **SCANDINET** **INCOME**, **INTRAMUROS**, **LEAN**, **MOTIF** **EUFRANET** **EUDET**
Quality of terminals/transfer points	Integrated transport chains Urban transport	AFTEI, **FREIA**, **FV-2000**, **IMPREND**, **PRECISE IT**, **TERMINET** **HSR-COMET**
Traffic management and control	Rail Air Urban transport	**ACRUDA**, **EMSET**, **ERTMS Tests**, **ETCS-VB**, **EUROSIG**, **OPTIRAILS** **ABEAM**, HEROE, TORCH **OPIUM**

Cluster	Sektor	Projekte *
Technology development	Rail Integrated transport chains	**HVB** ROLLING SHELF
Freight	Integrated transport chains Rail Urban transport Waterborne	AFTEI, **CESAR**, **EUDET**, **ITESIC**, **OCTOPUS**, **PISCES**, **PLATFORM**, **TACTICS**, **UTI-NORM**, **X-MODALL (X-MOD/1)** FIRE **REFORM** **EUDET**
Architecture	Urban transport Air	**CARISMA** **FARADEX**

* Projekte, die in dem entsprechenden thematischen Papier ausgewertet wurden, sind fett gedruckt.

Intermodaler Güterverkehr

Cluster	Sektor	Projekte *
Transfer point efficiency and terminals	Integrated transport chains Waterborne transport Strategic research	AFTEI, **APRICOT**, **IMPREND**, **IMPULSE**, IQ, **PLATFORM**, **PRECISE IT**, ROLLING SHELF, **TACTICS** **EUROBORDER**, INTRA-SEAS, **SPHERE**, WORKPORT **EMOLITE**
Efficiency of networks and freight transport services	Integrated transport chains Waterborne transport Rail Strategic research	IQ, IRIS, **OSIRIS**, **PROMOTIQ**, **SCANDINET**, **UTINORM** **EUDET**, **IPSI** **EUFRANET** **WORKFRET**
Transport of goods in and around cities	Integrated transport chains Urban transport	**FREIA**, **FV-2000**, IDIOMA **LEAN**, **REFORM**
Information and communication systems	Integrated transport chains Waterborne transport Rail	**CESAR**, **INTRARTIP**, **ITESIC**, LOGICAT, **OCTOPUS**, **PISCES**, **PLATFORM**, **PRECISE-IT**, **XMODALL** **3SNET**, **INFOLOG**, **MARNET**, **PROSIT** **FIRE**
Market-oriented strategies and socio-economic scenarios	Waterborne transport Strategic research Road	**ASDSS**, EMMA; **SHIFTING CARGO** **EUROSIL**, **INFOSTAT**, **INFREDAT**, **MESUDEMO**, **MINIMISE**, **SORT-IT**, **STEMM** **REDEFINE**

* Projekte, die in dem entsprechenden thematischen Papier ausgewertet wurden, sind fett gedruckt.

1.3 Das fünfte Forschungsrahmenprogramm (1998 – 2002)

1.3.1 Projekte des Programmes ‚IST' – Benutzerfreundliche Informationsgesellschaft

Tabelle 14: Projekte des Bereichs ‚Mobilität und intelligente Infrastruktur im Verkehrsbereich'

Akronym	N°	Inhalt	Web-Seite
ADVISOR	IST-1999-11287	Annotated Digital Video for Surveillance and Optimised Retrieval	http://www-sop.inria.fr/orion/ADVISOR/
AGORA	IST-1999-20457	Annotated Digital Video for Surveillance and Optimised Retrieval	
ARETOPS	IST-1999-11498	A Reference System Architecture and Technology Platform for the Shipping Sector	http://www.ARETOPS.org/
ATLANTIC	IST-2000-31006	A Thematic Long-term Approach to Networking for the Telematics and ITS Community	
CARDME-4	IST-1999-29053	CARDME-4	http://www.cardme.org/
DELTA	IST-1999-12087	DSRC ELectronics implementation for Transportation and Automotive applications	
DESCARTES	IST-1999-14099		http://www.carmen.se/Descartes/
DIAMOND	IST-1999-11161	Delivery of ITS Applications through Multimedia Over Networks using DAB	http://www.ertico.com/activiti/projects/diamond/home.htm
DIAMOND	IST-1999-71161	Demonstration of ITS Applications through Multimedia Over Networks using DAB	
EYE IN THE SKY	IST-2000-29531	New Services for (i) Fleet management and Customised Mobility Information plus (ii) Emergency Support for Crises during large-scale events, based on the use of low-altitude platforms and floating car data	
GALILEAN	IST-2000-29246	GALILEO Application Network	
GAUSS	IST-1999-20532	Galileo And Umts Synergetic System	
GIFTS	IST-2000-29364	GLOBAL INTERMODAL FREIGHT TRANSPORT SYSTEM	
GUST	IST-1999-14028	Galileo User Support Transport	
HELINET	IST-1999-11214	Network of Stratospheric Platforms for Traffic Monitoring, Environmental Surveillance and Broadband Services	http://www.helinet.polito.it/home.asp
ISCOM	IST-1999-11425	Information Systems for Combined Mobility Management in Urban and Regional Areas	http://www.ssp-consult.de/iscom/
ISCOM	IST-1999-71425	Information Systems for Combined Mobility Management in Urban and Regional Areas	
ITSWAP	IST-1999-11138	Intelligent Transport Services over Wireless Application Protocol	
MOBISERVICE CENTRES	IST-1999-20794	Mobility Management Service Centres	http://www.mobiservice.org.uk/
MOCONT	IST-1999-10057	MOnitoring the yard in CONtainer Terminal	http://www.ikerlan.es/mocont/pub/

Akronym	N°	Inhalt	Web-Seite
MOSCA	IST-2000-29557	DECISION SUPPORT SYSTEM FOR INTEGRATED DOOR-TO-DOOR DELIVERY:PLANNING AND CONTROL IN LOGISTIC CHAINS	
OMNI	IST-1999-11250	OPEN MODEL FOR NETWORK-WIDE HETEROGENEOUS INTERSECTION-BASED TRANSPORT MANAGEMENT	http://www.omniproject.net/
PEPTRAN	IST-1999-10391	Pedestrian and public transport navigator	http://www.bmtech.co.uk/Peptran/index.html
PISTA	IST-2000-28597	Pilot on Interoperable Systems for Tolling Applications	
PRIME	IST-1999-13036	Prediction of congestion and incidents in Real time, for intelligent Incident Management and Emergency traffic	http://www.trg.soton.ac.uk/prime/index.htm
PRISCILLA	IST-1999-20222	BUS PRIORITY STRATEGIES AND IMPACT SCENARIOS DEVELOPED ON A LARGE URBAN AREA	http://www.trg.soton.ac.uk/priscilla/
RHYTHM	IST-2000-29427	Real-time data Helps Yielding Traffic Handling Models	
ROSETTA	IST-1999-14024	Real Opportunities for Exploitation of Transport Telematics Applications	
SIRTAKI	IST-2000-28303	Safety Improvement in Road & rail Tunnels using Advanced ICT and Knowledge Intensive dss	
SMART NETS	IST-2000-28090D	Signal Management in Real Time for urban traffic NETworkS	
SMART NETS	IST-2000-28090	Signal Management in Real Time for urban traffic NETworkS	
SMITH	IST-1999-12340	Supporting Measure for the ITs sHow-case and test-bed	http://www.smithtitos.com/
TELEPAY	IST-2000-28269	Telepayment system for Multimodal Transport Services using Portable Phones	
TOP TRIAL	IST-1999-20868	Technologies for Optimizing the Precision of MS-WIM of Road Transports to Improve Automatic Overload Control and European Procedures for Enforcement	http://www.toptrial.de/
TOSCA	IST-1999-20856	Technological and Operational Support for Car shAring	
TPEG	IST-1999-12201	The TPEG Project - achieving technical consensus and supporting standardisation of TPEG applications, targeted at rapid implementation of enhanced multi-modal information services and navigation systems for European travellers	http://www.tpeg.org/
TRANS-3	IST-1999-20385	Multimodal TRAvel iNformation Service for trinational regional transport	
TRIANGLE	IST-2000-25296	Proof of concept for a simple, workable and manageable interoperable solution for door to door travel based on chip-card	
TRIDENT	IST-1999-10076	Transport Intermodality Data sharing and Exchange NeTworks	http://www.ertico.com/activiti/projects/trident/home.htm
TROP	IST-1999-20277	TRansport Optimiser & Planner	http://www.democenter.it/trop/

Tabelle 15: Projekte des Bereichs ‚Intelligente Fahrzeuge'

Akronym	N°	Inhalt	Web-Seite
ADASE II	IST-2000-28010	Advanced Driver Assistance Systems in Europe	
AIDER	IST-2000-28058	Accident Information and Driver Emergency Rescue	
AIRFORCE	IST-1999-12179	AIR FOReCast in Europe	
AWAKE	IST-2000-28062	System for effective Assessment of driver vigilance and Warning According to traffic risK Estimation	
CARSENSE	IST-1999-12224	Sensing of Car Environment at Low Speed Driving	
CARTALK 2000	IST-2000-28185	Safe and Comfortable Driving based upon inter-vehicle communication	
CHAMELEON	IST-1999-10108	Pre-crash application all around the vehicle	
Chauffeur II	IST-1999-10448	Promote Chauffeur II	
COMUNICAR	IST-1999-11595	COmmunication Multimedia Unit Inside CAR	http://www.comunicar-eu.org/aims/information.htm
CYBERCARS	IST-2000-28487	Cybernetic Cars for a New Transportation System in the Cities	http://www.cybercars.org/
DADI-2	IST-1999-11246	Datalinking of Aircraft Derived Information 2	http://www.eurocontrol.be/ardep-arda/servlets/SVLT014?Proj=CEC103
DENSETRAFFIC	IST-2000-29638	A Forward Looking Radar Sensor for Adaptive Cruise Control with Stop & Go and Cut In Situations Capabilities implemented using MMIC technologies	
ESCORT	IST-1999-20006	Enhanced diversity and Space-time Coding for metrO and Railway Transmission	
F-MAN	IST-2000-29542	Rail Car Asset Management	
FRAME-NET	IST-2000-29661	FRAMEWORK ARCHITECTURE MADE FOR EUROPE – NETWORK	http://www.frame-online.net/
FRAME-S	IST-2000-29663	Framework Architecture Made for Europe – Support	
FRAME-T	IST-2000-29664	Framework Architecture Made for Europe – Training	
INTERVUSE	IST-2000-28260	Integrated Radar, Flight Plan and Digital Video Data Fusion for SMGCS	
INVETE	IST-1999-10311	Intelligent in-vehicle terminal for multimodal flexible collective transport services	http://www.vtt.fi./aut/kau/projects/invete/
INVETE	IST-1999-70311	Intelligent in-vehicle terminal for multimodal flexible collective transport services	
IPPA	IST-1999-20569	INNOVATIVE PORTABLE PILOT ASSISTANCE	http://www.ippa.qinetiq.com/
ITEA-DS	IST-1999-20254	Intelligent tools for emergency applications & decision support	http://www.portauthority.li.it/itea-ds.htm
LOCOPROL	IST-2000-28103	Low Cost satellite based train location system for signalling and train PROtection for Low density railway lines	
MARIDES	IST-1999-21129	MARItime Decision Support	
MISTIC	IST-1999-14155	Maritime Intelligent Systems for Transport and Inter- related Chain	
NextMAP	IST-1999-11206	Next MAP for transport telematic applications	http://www.ertico.com/activiti/projects/nextmap/home.htm

Akronym	N°	Inhalt	Web-Seite
OPTINAV	IST-2000-29459	THE OPTIMAL NAVIGATION SUPPORT SYSTEM	
ParcelCall	IST-1999-10700	ParcelCall – An Open Architecture for Intelligent Tracing Solutions in Transport and Logistics	http://www.parcelcall.com/
PEIT	IST-2000-28722	Powertrain Equipped with intelligent Technologies	
RadarNet	IST-1999-14031	Multifunctional Automotive Radar Network	http://www.radarnet.org/start.htm
SAFE TUNNEL	IST-2000-28099	Innovative systems and frameworks for enhancing of traffic safety in road tunnels	
SAFEAIR	IST-1999-10913	SAFEAIR Advanced Design Tools for Aircraft Systems and Airborne Software	http://ais.gmd.de/~ap/femsys/farail.html
SWAN	IST-1999-14124	Standardisation & dissemination support actions for waterborne telematic networks & applications	
TALIS	IST-2000-28744	Total Information Sharing for Pilot Situational Awareness Enhanced by Intelligent Systems	
TRAINCOM	IST-1999-20096	Integrated Communication System for Intelligent Train Applications	http://www.traincom.org/

Tabelle 16: Projekte des Bereichs ‘Intelligente Tourismussysteme’

Akronym	N°	Inhalt	Web-Seite
CRUMPET	IST-1999-20147	Creation of user friendly mobile services personalised for tourism	http://www.ist-crumpet.org/
DIETORECS	IST-2000-29474	Intelligent Recommendation for Tourist Destination Decision Making	
ESTIA	IST-1999-20962	Efficient Electronic Services for Tourist in Action	http://estia.sema.es/
E-TOUR	IST-1999-20447	A hand-held assistant for electronic guided tourism	
GLORIA	IST-1999-20600	Gnss & LOran-c in Road and rall Applications	http://www.eu-gloria.org/
GUIDEFREE	IST-1999-21055	Guide by Telematics to Enable Tourist Freedom at Sites	http://www.systema.gr/guidefree.htm
HARMONISE	IST-2000-29329	HARMONISE	http://www.harmonise.org/
PALIO	IST-1999-20656	Personalised Access to Local Information and services for tOurists	http://www.ercim.org/publication/Ercim_News/enw46/emiliani.html
TELLMARIS	IST-2000-28249	Development of a 3D-map interface for touristinformation on mobile computers	
TOURSERV	IST-1999-20414	Personalised Tourist Services Using Geographic Information Systems via Internet	
TR@VELSMART	IST-1999-20015	Intelligent, smart card and Internet-based Customer Relationship Management Service for European Tourism destinations	http://www.madeiratecnopolo.pt/travelsmart1.html
VMART	IST-1999-20674	Virtual Market Place for Rural Tourism Sales, Development and ICT Services and Applications	http://www.rit.cc/vmart/
WHAM	IST-1999-20676	THE WORLD IN YOUR HANDS ON THE MOVE	http://www.viatek.fi/tampere/wham/pages/in%20english/indexenglish.htm

Tabelle 17: Zusatzinformation zu IST-Projekten des fünften Forschungsrahmenprogramms

AKRONYM	Programm	Demonstration sites	Schwerpunkt	Web-Seite
HELINET	IST	UK – Süd-Westen, Yorkshire und Humberside	Information Systems; Traffic Monoitoring	http://www.helinet.polito.it/home.asp
MOBISERVICE CENTRES	IST	Bristol, Birmingham, Region Hampshire, Frankfurt, Hannover, Toulouse, Bologna	Information Systems	http://www.mobiservice.org.uk/
PRIME	IST	Southampton, Winchester, Barcelona, München, Attiki Odos, Thessalonoki	Incident / Emergency Management	http://www.trg.soton.ac.uk/prime/index.htm
PRISCILLA	IST	Southampton, Genua, Toulouse	Information Systems	http://www.trg.soton.ac.uk/priscilla/
SMART NETS	IST	Athen, Belfast, Bialystok, Kopenhagen, Cork, Glasgow, Graz, London, Paris, Prag	Information Systems	

1.3.2 Projekte des Programmes ‚GROWTH' - Wettbewerbsorientiertes und nachhaltiges Wachstum

Weitere Informationen zu den Projekten in CORDIS: http://www.cordis.lu/growth/src/projects.htm oder http://www.npl.co.uk/npl/fp5/tprd/table2b.pdf (Listen)

Tabelle 18: Projekte der Key Action 2 – "Nachhaltige Mobilität und Intermodalität" – Bereich 2.1: Sozio-ökonomische Szenarien

Bereich 2.1.1: Quantitative Tools for Decision Making

Acronym	Proposal Type	Project Title
ALP-NET	TN	Thematic network: Transalpine crossing
ATOM	AM}	Provision of access to transport models
BEST	TN} linked to same task	Thematic Network: Benchmarking in transport
BOB	AM}	Benchmarking in transport
DATELINE	AM	Design & application of a travel survey for European long distance trips based on an international network of expertise
ETIS-BASE	AM}	Core database development for the European Transport Policy Information System (ETIS)
ETIS-LINK	TN} linked to same task	Thematic Network: Coordination of ETIS research & management of its strategic direction & assessment
EXPEDITE	AM}	Expert system based predictions of demand for internal transport in Europe
RECORDIT	AM	Real cost reduction of door-to-door intermodal transport

Acronym	Proposal Type	Project Title
SPOTLIGHTS	TN} linked to same task	Supporting policy makers: assembling information & bridging models towards a European policy decision-support system
THINK-UP	TN} linked to same task	Thematic Network: Understanding mobility prediction
TRANSTALK	TN	Thematic Network: Policy & project evaluation methodologies
UNITE	AM	Unification of accounts & marginal costs for transport efficiency

Bereich 2.1.2: Driving Forces in Transport

Acronym	Proposal Type	Project Title
COSMOS	AM	Conditions for sustainable mobility & transport
FORESIGHT FOR TRANSPORT	AM	A foresight exercise to help forward thinking in transport & sectoral policy integration
PROTRANS	RTD	Role of 3rd party logistics service providers & their impact on transport
SPIN (GRD2-2000-30187)	RS	Scanning the potential for intermodal transport
SPRITE	AM	Separating the intensity of transport from economic growth
SULOGTRA	RTD	Effects of transport trends in logistics & supply chains
TRANSVISION	AM	Economic, environmental & social conditions for sustainable development of transport
Cluster:		Socio-economic impacts of transport investments & policies & network effects:
IASON	AM	role of transport, regional & socio-economic development; and indirect impacts & network effect in cost-benefit analysis
MANET	AM	quantification of network effects of transport infrastructure projects
TIPMAC	AM	role of transport in macro- economic development & employment
TRANSECON	AM	urban transport & local socio-economic development

Bereich 2.1.3: Policies for Sustainable Mobility

Acronym	Proposal Type	Project Title
CIVITAS Cluster *:		Clean Urban Transport Systems:
VIVALDI	DM	Clean Urban Transport Systems:
UNICORN (Bristol, Bremen, Kaunus)		- urban integrated clean transport solutions

Acronym	Proposal Type	Project Title
CONSENSUS (Nantes, Aalborg)		- consolidated & new scenarios for European sustainable urban strategies
TELLUS	DM	Clean Urban Transport Systems:
ROTORS (Rotterdam, Gdynia, Bucharest)		- reorganising overload for regional sustainability
CLAIM (Berlin, Gothenburg)		- clean & intelligent mobility
TRENDSETTER	DM	Clean Urban Transport Systems:
HERA (Stockholm, Lille, Prague)		- heavy urban transport & renewable fuel alliances
TRENDSETTER (Graz, Pecsi)		- trendsetter for clean urban transport
MIRACLES	DM	Clean Urban Transport Systems:
MIRACLE (Rome, Barcelona)		- Mediterranean initiative for rationalised accessibility & a clean liveable environment
REFRACT (Winchester, Cork)		- real environmnetally friendly related access management & cities
METEOR	AM	Civitas Coordination: Monitoring & evaluation of transport & energy oriented radical strategies for clean urban transport
GUIDEMAPS	RS	Gaining understanding of improved decision making & participating strategies
IMPRINT-EUROPE	TN	Thematic Network: implementation of marginal cost pricing in transport
MARETOPE	RTD	Managing & assessing regulatory evolution in local/public transport operations in Europe
MC-ICAM	AM	Implementation of marginal cost pricing in transport
SPECTRUM	AM	Study: policies regarding economic instruments complementing transport regulation & the undertaking of physical measures
STELLA	TN	Thematic Network: Sustainable transport in Europe & links & liasions with America
VOYAGER	TN	Thematic network: Vehicle for mobility – advancing public passenger transport in Europe

* Nähere Informatiuonen zum CIVITAS-Cluster ‘Querschnittsaktivitäten und Cluster’

Tabelle 19: Projekte der Key Action 2 – "Nachhaltige Mobilität und Intermodalität" – Bereich 2.2 - Infrastrukturen und ihre Schnittstellen mit Transportmitteln und -systemen

Bereich 2.2.1: Infrastructure development & maintenance

Acronym	Proposal Type	Project Title
AUDITTS	RTD	Automated underground distribution involving tube transportation systems
CONPASS	RTD & DEMO	Better connections in European cross-border passenger transport
CROSSRAIL	RTD	Integrating local & regional rail including cross border aspects
EUTP II	TN} linked to same task	Thematic Network Freight transfer points & terminals
EUTP II -AM	AM}	European transfer points II - accompanying measure
FACT	RTD	Fast & comfortable trains
FORMAT	RTD	Road infrastructure pavement maintenance
IMPROVERAIL	RTD	Integration between local & regional rail including cross border aspects
IN HO TRA	RTD & DEMO	Integration of interoperable intermodal horizontal transhipment techniques in intermodal transport
INTERFACE	RTD & DEMO	Improvement of intemodal terminal freight operations at border crossing terminals
INTERMODA	AM	Integrated solutions for intermodal transport between the EU and CEECs
LEONARDO	RS	Linking existing on-ground arrival & departure air transport operations
MAP	RS	Materials for pavements
OPAL	RTD	Optimisation platform for airports including land side
POSEIDON	RTD & DEMO	Practical demonstration of a system for efficient intermodal port-terminal networks
PROMAIN	TN	Thematic Network: Progress in European maintenance & management of railway infrastructure
RAIL	RTD	Reliability centred maintenance (RCM) approach for the infrastructure & logistics of railway operation
SAIL	RTD & DEMO	Semi trailers in advance intermodal logistics
SPIN-HSV (GRD2-2000-30303**)**	RS	Shipping quality & safety of high speed vessels; terminals & ports operations in nodal points
THENA	TN	Thematic Network: airport activities
TRAPIST	RS	Tools & routines to assist ports & improve quality shipping

Bereich 2.2.2: Environment

Acronym	Proposal Type	Project Title
ABLE	RTD	Assessment of bus & lorry emissions by developing an optimised European methodology & computer model
ARTEMIS	RTD	Assessment of road transport emission models inventory systems
BEACON	TN	Thematic network: integration of the environment in transport policy - building environmental assessment consensus
CLEANER-DRIVE	RTD & DEMO	Use & integration of new-generation vehicles & radically improved propulsion systems in the transport system
ECOPORTS	RS	Information exchange & impact assessment for environmental operations in European ports & terminals
ENIGMATIC	TN	Thematic Network: Integration of new generation mobility & transport innovative concepts
MARFUEL	RTD & DEMO	Assessment & mitigation measures & procedures for environmentally friendly shipping operations: low sulphur marine fuels
MARTOB *(formerly OBTOB)*	RTD & DEMO	Assessment & mitigation measures & procedures for environmentally friendly shipping operations: onboard ballast water treatment
PARTICULATES	RTD	Characterisation of exhaust particulate emissions from road vehicles
REF	RTD	Improvement of the reliability of pollutant emission factors of current & future European passenger cars
REVEAL	RTD	Remote measurement of vehicle emissions at low cost
SEAM	RTD & DEMO	Assessment & mitigation measures & procedures for environmentally friendly shipping operations: FSEA methodological framework for assessing ballast treatment, hull paint & air emissions
SILVIA	RS	Sustainable road surfaces for traffic noise control
STAIRRS	RTD	Strategies & tools to assess & implement noise reducing measures for railway systems
TYRON	RS	Measuring, understanding & reducing tyre road noise emission under realistic vehicle operating conditions

Bereich 2.2.3: Safety

Acronym	Proposal Type	Project Title
ASTER	AM	Aviation safety targets for effective regulation
ATOMOS IV	RTD & DEMO	Advanced technology to optimise maritime operational safety intelligent vessel
ECBOS	RTD	Enhanced coach and bus occupant safety
FID	RTD	Improved frontal impact protection through a world frontal impact dummy
GOING-SAFE	AM	Technical & human factors in implementation of 3 point shoulder harnesses on all seats in passenger aircraft
IMMORTAL	AM	Drivers' & riders' physical fitness & physical state
IMPCHRESS-2	AM	Improved child restraint system safety 2 in passenger aircraft

Acronym	Proposal Type	Project Title
ROSEBUD	TN	Thematic Network: Road safety & environmental benefit-cost & cost-effectiveness analysis for use in decision making
SOURDINE II	RS	Study of optimisation procedures for decreasing the impact of noise around airports II
THEMES	TN	Thematic Network: Safety assessment of waterborne transport
VERRES	AM	VLTA emergency requirements research evacuation study

Bereich 2.2.4: Security

Acronym	Proposal Type	Project Title
PRISMATICA	RTD & DEMO	Pro-active integrated systems for security management by technological, institutional & communication assistance

Bereich 2.2.5: Human Factors

Acronym	Proposal Type	Project Title
ESSAI	RTD	Enhanced safety through situation awareness integration in training
HASTE	RTD	Development of methodologies & performance measures to assess long term safety implications of new in-vehicle technologies including HMI for road transport
METNET	TN	Thematic Network: Maritime education, training & certification
PORTAL	RTD	Promotion of results in transport research & learning
TRAINER	RTD & DEMO	System for driver training & assessment using interactive evaluation tools & reliable methodologies
VIRTUAL	RTD & DEMO	Virtual reality systems for perceived ergonomic quality testing of driving task & design

Tabelle 20: Projekte der Key Action 2 – "Nachhaltige Mobilität und Intermodalität" – Bereich 2.3 ‚Modale und Intermodale Verkehrsmanagement-systeme'

Bereich 2.3.1: Traffic Management Systems

Acronym	Proposal Type	Project Title
ADVISORS	RTD	Advanced drivers assistance & vehicle control system: implementation, standardisation, optimum use – roads & safety
BETA	RTD	Operational benefit evaluation by testing an A-SMGS
CESAR II	RTD	Cooperative European system for advanced information distribution
COMPRIS	RTD & DEMO	Operational management platform river information services
CUPID	TN	Thematic Network: Coordinating urban pricing integrated demonstration
D2D	RTD & DEMO	Integrated management & communication system for door-to-door intermodal freight transport operations
DESIRE	RTD & DEMO	Designs for inter-urban road pricing schemes in Europe
EMBARC	RTD	Assessment of new concepts for ship & shore traffic management & information systems (VTMIS) to improve efficiency in waterborne transport services
GATE TO GATE	RS	Validation of a European ATM gate to gate operational concept for 2005-2010
MAEVA	AM	A master ATM European validation plan
ONESKY	AM	Air transport & ATM validation activities
OPTIRAILS II	RTD	Optimisation of rail traffic on European corridors through ERTMS/ETML (system requirements specification)
OSSA	RTD	Open framework for simulation of transport strategies & assessment
PROGRESS	RTD & DEMO	Pricing road use for greater responsibility, efficiency & sustainability in cities
PROSPER	RS	Project for research on speed adaptation policies on European roads
SENSOR	RS	Secondary road network traffic management strategies – handbook for data collection, communication & organisation
THEATRE	TN	Thematic Network: air transport & ATM validation activities
THEMIS	TN	Thematic Network: Optimising the management of intermodal transport services http://www.themis-network.org/
TRAVEL-GUIDE	RTD	Traveller & traffic information systems: guidelines for the enhancement of integrated information provision services
UGTMS	RS	Urban guided transport management system - rail
WATERMAN-TS	TN	Waterborne traffic & transport management

Bereich 2.3.2: Transport & mobility services

Acronym	Proposal Type	Project Title
ADVANCES	TN	Thematic Network: Operational platform for quality shipping
ARTCOP	RTD & DEMO	Optimised waterborne operations - Arctic operational platform
ARTS	RTD & DEMO	Actions on the integration of rural transport services in low density rural areas
BESTUFS	TN	Thematic Network: Harmonisation of strategies & highlighting best practice to determine optimum urban freight solutions
CO-ACT	RTD	Integration of air freight transport in the intermodal transport chain
DANUBE	RTD & DEMO	Advanced logistics solutions for the Danube waterway
IP	RTD & DEMO	Intermodal portal: Innovative waterborne transport
MOBILS	RTD	Optimisation of transport systems for sustainable citizen mobility in metropolitan areas
MOST	RTD	Mobility management strategies for the next decades
RAILSERVE	TN	Thematic Network: Rail freight services
REALISE	TN} Cluster	Thematic Network: European strategies to promote short sea shipping, sea-river & inland navigation
SPIN (GRD2-2000-33036)	TN} Cluster	As above
TAPESTRY	RTD & DEMO	Travel awareness publicity & education supporting a sustainable transport strategy in Europe

Bereich 2.3.3: Second Generation Satellite Navigation Positioning Systems

Acronym	Proposal Type	Project Title
GADEROS	RTD	Development & optimal use of satellite navigation for all modes of transport: demonstrator for railway operation system
GALA	AM	GALILEO Overall architecture definition
***GALILEI Cluster**:*	AM	Second Generation GNSS:
LENS		- local elements definition: network for GALILEO based high precision services
GAMIA		- impact of interoperability on system definition
GALES		- GALILEO local elements study
FORECAST		- frequency organisation of engineering, certification & standardisation
GALISA		- GALILEO detailed service analysis - market aspects
LEA		- local elements definition: local element architecture
FACTS		- frequency allocation, certification & standardisation
DERIGOR		- regulatory framework for GALILEO: definition of regulatory issues for GALILEO organisation

Acronym	Proposal Type	Project Title
GALLANT	RTD	Development & optimal use of satellite navigation for all modes of transport: safety of life applications driver assistance in road transport
GEMINUS	AM	GALILEO service definition
GENESIS	TN	Thematic Network: GALILEO European network of experts to support the European Commission
IMAGE: unclear if its been funded	RTD	Development & optimal use of satellite navigation for all modes of transport: ITS & mobility
INSTANT OLYMPIC	RTD	Development & optimal use of satellite navigation for all modes of transport: infomobility services for safety critical applications on land & sea, based on use of integrated GNSS terminals for needs of Olympic cities
INTEG	AM	EGNOS Integration into GALILEO
NAUPLIOS	RTD	Development & optimal use of satellite navigation for all modes of transport: navigation & perilous goods input output system
POLARIS	AM	Second Generation GNSS: Detailed service analysis - user tools
PROGRESS: unclear included in GALILEI	AM	GALILEO Coordination: promoting GALILEO as a regulated embedded & service oriented system
SAGA	RTD	Support to GALILEO standardisation

1.3.3 Projekte des Programmes ‚EESD' – Energie, Umwelt und nachhaltige Entwicklung

Tabelle 21: Projekte der Key Action 4 – "Stadt von morgen und kulturelles Erbe" – Bereich 4.4 'Vergleichende Bewertung und kostengünstige Umsetzung von Strategien für nachhaltige Verkehrssysteme in urbaner Umgebung"

Bereich 4.4.1 Strategien und Methoden der Stadtplanung für einen nachhaltigen städtischen Verkehr

(Mit Ausnahme des Projekts FREDERIC gehören alle Projekte von 4.4.1 zum LUTR – Cluster (Land use and transport research)

Acronym		Laufzeit
ARTISTS	***Arterial streets towards sustainability*** Arterial streets present a particular challenge to sustainable urban planning, because they attempt to meet four, often conflicting functions. They (1) provide a major channel for movement between different parts of the city, (2) provide access for employees, customers and deliveries, (3) represent a major public space that is visually dominant, culturally charged and of great importance for social interaction, (4) represent "the garden" for many residents. The aim is to improve the basis for decisions regarding reconstruction of arterial streets, taking in to account a broad set of social, economic and environmental factors, and to develop Best Practice Guidelines for city authorities throughout the European Union. This will enable redesign of arterial streets in such a way as **to improve the physical environment of the corridors while contributing to the implementation of more sustainable urban transport systems**. http://www.tft.lth.se/artists/	Start: 2001-12-01 End: 2004-11-30 36 months
ASI	***Assess implementations in the frame of the Cities-of-Tomorrow programme*** One goal in connection with implementation of policies and measures in the frame of the Key Action Cities of Tomorrow (CoT) 15 to improve Life quality (LQ) in the Cities. ASI will help to improve assessment and appropriate consideration of LQ assessment results in connection with urban transport and mobility policies. The focus of the project will be on the subjective part of LQ. Many measures have been implemented so far in the frame of this Key action. In ASI, we want to select five CoT implementation-sites in different parts of Europe and to find out how LQ aspects are assessed and taken care of, there. Based on the results of the evaluation of these sites we will develop a toolbox to assess LQ effects of proposed and implemented policies and measures which will be tested in a pilot- study. Moreover, the concept for a data-bank for the storage of qualitative data of LQ assessments and measures based on them will be developed. To improve life quality in cities is a main goal of the Key Action Cities of Tomorrow (CoT). We consider an accompanying measure the appropriate frame to analyse heuristically the usual practical procedures applied to take care of LQ- aspects. The goals are: 1. To examine how and to what extent policy makers and practitioners take into account LQ effects of implemented policies and measures; 2. To develop a preliminary instrument to assess such LQ effects, with the help of interviews politicians, decision makers, practitioners and other experts; 3. To develop a basic databank frame for both results of LQ assessments (questions used, answers given), of measures on basis of assessment results, and their evaluation with respect to effects on LQ and; 4) to develop guidelines for the transformation of LQ assessment results into policies and measures.	Start: 2003-02-01 End: 2005-01-31 24 months

Acronym		Laufzeit
CITY FREIGHT	***Inter- and Intra- City Freight Distribution Network*** CITY FREIGHT proposes a comparison of innovations in freight transport in Europe. Research field will cover not only new logistic technologies and their internal efficiency but also accompanying measures as: new traffic and parking management methods aiming to dissuade certain categories of goods vehicles to enter the city centre; new urban planning principles aiming to influence positively the freight transport demand patterns. New systems and methods will be incorporated in city-wide scenarios before to be evaluated and ranked by using a Multi-dimensional assessment method including: technical feasibility; market efficiency; environmental efficiency. Cities of seven countries will collaborate in building realistic deployment scenarios. Best Pratices will then be applied to prepare a city logistic plan for each participating city. Participating countries are Belgium, Finland, France, Italy, the Netherlands, Spain and United Kingdom. http://cityfreight.org/Contents.html	Start: 2002-01-01 End: 2004-02-29 26 months
ECOCITY	***Urban Development towards Appropriate Structures for Sustainable Transport*** Overall goal of the project is to develop settlement patterns for sustainable cities. Core topic is a compact settlement structure interrelated with a sustainable transport system, considering an efficient energy supply and using new information technologies. A balanced mix of land uses (e.g. initiating jobs in sustainable business) contributes to reduce traffic demand. Concepts for such new model settlements and strategies for their consistent implementation will be developed in co-operation with local communities for several European locations. Also stimulating improvements in their surrounding regions. The project is developed in 3 phases: 1. Definition of a conceptual/analytical framework (guidelines, indicators); 2. Elaboration of "Concepts for sustainable model settlements at specific sites" with accompanying review; 3. Evaluation, Conclusions and Dissemination of Results (Handbook, Implementation of Concepts). http://www.ecocityprojects.net	Start: 2002-02-01 End: 2005-01-31 36 months
FREDERIC	***Freight delivery rationalisation in cities*** The economic shift towards service activity in urban areas will change the nature of transport in these areas more and more to delivery traffic rather than transit traffic. The increase of e-commerce and other expected changes in shopping behaviour are likely to accelerate this change of freight transport to more frequent deliveries, smaller parcels, more stops so heavier influence on urban circulation. This calls for a highly efficient and widely supported policy to avoid an increase of mobility problems. Local decision makers and the automotive industry decided to join forces and build a joint vision between them and all other stakeholders. Based on this vision, they then will identify the R&D needs on organisational, technical, political, logistical and industrial level. This proposal aims at bringing together the perspectives from both cities and the automotive industry for a sustainable evolution of urban transport, together with those of all other relevant stakeholders in order to find innovative and commonly acceptable solutions for freight delivery in cities and other professional use of vehicles. Possible solutions will need a complementary and coordinated approach of - Innovation and harmonisation of regulatory measures - Innovation in organisation and logistics - Innovation in transport means With this approach, the current proposal aims at supporting the policy outlined in the Commission's White Paper on Transport. In this paper, the Commission calls for a new approach of urban transport to rationalise the use of vehicles in urban areas. This is clearly what the accompanying measure set for.	Start: 2003-03-01 End: 2004-02-29 12 months
ISHTAR	***Integrated software for health, transport efficiency and artistic heritage recovery*** The aim of ISHTAR Project is to build an advanced software suite for the analysis of the effects of short-term actions and long-term policies to improve the quality of the environment, citizens' health, conservation of monuments. The activities will start and conclude in the 8 involved cities, and will be a continuous open gate to all the European cities interested in ISHTAR activities. The measures to be tested on the field and modelled with the suite will be defined by the cities, the first users of the results. The suite will include both existing and newly developed models, covering the areas of citizen's behaviour, transport, vehicles emissions noise and safety, pollutants dispersion, house heating emissions, health, monuments degradation. These will find integration in the use of a GIS and of user-friendly integration software. The result will be the building and application to real cases of an innovative tool for urban management. http://www.ishtar-fp5-eu.com/	Start: 2001-06-01 End: 2004-05-31 36 months

Acronym		Laufzeit
ASTRAL	***Achieving Sustainability in Transport and Land Use*** This Accompanying Measure is designed to achieve the diffusion, exploitation, transfer and take-up of research results from a Cluster of five projects funded under Task 4.4.1 of the City of Tomorrow Key Action. To this end it aims to achieve synergy between the five projects; to encourage collaboration with related national and regional projects; to identify the best ways of achieving dissemination and take up of research; an d to enable this through an interactive website and a final dissemination workshop. The actions involved will include a technical workshop, a survey of related projects, two dissemination workshops and the website, as well as closer collaboration between the Task 4.4.1 projects. The end result should be an enhanced ability among cities in the European Union and the Accession Countries to identify and implement sustainable land use and transport strategies, and greater coordination among related research projects throughout the European Research Area. The principal objective of this Accompanying Measure proposal is to assist national governments, cities, non-governmental organisations, interest groups and individuals in obtaining maximum benefit from the research undertaken by the Cluster. This objective will be achieved through a series of five sub-objectives: critical comparison of the preliminary results of the five projects, and modification, where appropriate, of future research plans; liaison with national and regional projects working in related areas; dissemination to a wider audience of these preliminary results, and advice on future research plans; development and maintenance of a website which will allow users to interact with the projects; and dissemination to cities in the EU and Accession Countries of the full range of project results. http://www.lutr.net/index.html	Start: 2001-06-01 End: 2003-12-31 31 months
PLUME	***Planning and urban mobility in Europe*** PLUME will build on the work of existing EC projects addressing issues of Land-Use and Mobility Planning together with key international, national and regional projects in this field. National governments, end users and independent experts will be involved. Specific actions will cover: Project Management User Needs and Barriers to Implementation Identification and Synthesis of Solutions State of the Art Review Benchmarking Dissemination Development and Implementation of Exploitation Plans. To facilitate the transfer of innovation in the field of integrated land-use and mobility planning from the research community to local experts in the cities of Europe in order to improve urban quality of life-To achieve this by means of a wide-ranging review of international and national research and close interaction between researchers and end-users, facilitated by experts.-To ensure wide exploitation of the work of the network. http://www.lutr.net/index.html	Start: 2002-11-01 End: 2005-04-30 30 months

Acronym		Laufzeit
PROMPT	***New means to promote pedestrian traffic in cities*** Problems related to traffic, congestion, parking, traffic safety, noise and pollution, and to physical, functional and qualitative decay of our urban environment in general, are today particularly acute in European cities. Since the 1950'sthe trend has been in all European cities to become more and more car-oriented. Car traffic increasingly occupies public spaces of the cities and causes pollution, noise and casualties. This has happened despite many efforts to regulate it in cities. At the same time the share of the non-motorised transport modes is declining all over Europe, although bicycling in some European cities plays an important role. Several European policies bring forward the problems concerning quality of life, equality, parity of access to basic services, social inclusion, regeneration of urban areas, sustainability of the urban environment, pollution, condition of buildings, public spaces, cultural heritage and the balance of the urban system. The increase of the use of cars in our cities is one significant cause for all these problems. A revival of walking in cities would be a simple and natural way to remedy many of the above-mentioned problems. It would reduce the use of cars and enhance the use of public transport and thus decrease the pollution load. It would also promote the social life in the public spaces and improve the parity of citizens. The promotion of walking would also have many other positive consequences by, for example, improving citizens' physical condition and opening again their eyes to the details and richness of the surrounding nature and physical milieu. However, the problem remains how to effectively promote city walking. Scientific objectives and approach: The main goal of PROMPT is to promote walking in cities. Its concrete objective is to develop for that purpose new innovative tools and generic solutions for city actors involved in urban planning and design as well as decision making. The approach of the project is to consider all the causes enhancing or hindering walking in parallel. The scope ranges from the overall urban structure to the detailed street level. The tools and solutions are aimed at problem identification, design and planning as well as implementation of the considered measures in different local or European wide situations. The project is based on the analysis of certain existing towns in the participating countries and of some relevant case areas in them. The analysis is made according to six different themes: 1) safety, 2) accessibility, 3) comfort, 4) attractiveness, 5) intermodality and 6) implementation. Although one can promote walking by considering each of these issues one by one, it is crucial to consider how they work together: the whole is not the sum of its parts. Thus, a multidisciplinary approach is utilised to find good comprehensive solutions for the identified problems. Different user categories, climatic conditions, different situations in the urban structure and cultural values of the site are also taken into account in the analysis. Expected impacts: The planners', designers' and decision makers' knowledge about how to promote walking in practice is being considerably improved through the establishment of new tools and solutions and their effective dissemination during and after the project. This, in turn, is expected to increase the share of walking in the future transport bringing along the benefits stated above. The main benefits will be the decrease of harmful impacts on the environment as well as the improvement of the accessibility to the public spaces, the health of the citizens, and their equality regardless of car ownership, health or disability. The increase of walking means also reductions in vehicle and road investments. Further, it means less costs in pollution abatements, less accidents and injuries and less damages in buildings. The impacts are difficult to quantify beforehand. http://www.vtt.fi/yki/yki4/prompt.htm	Start: 2000-03-01 End: 2003-12-01 45 months

Acronym		Laufzeit
PROPOLIS	***Planning and research of policies for land use and transport for increasing urban sustainability*** More than three-quarters of the population of Western Europe live in cities. Their quality of life, health as well as safety are to a considerable extent affected by the environmental quality, provision of and access to services, and safety of their home cities. Part of the economic efficiency of urban regions is lost due to urban congestion and pollution. Methodologies are needed for predicting and mitigating negative changes and for bringing about positive ones. PROPOLIS project addresses these issues by enabling the prediction of the impacts of urbantransport and land use policies. The problems of growing traffic and the sprawl of urban areas together with the associated adverse environmental, social and economic impacts are experienced everywhere in Europe. Therefore, accumulating know-how, developing methodologies and searching for sustainable urban policies is no doubt of strategic importance and a field meriting a European-wide approach and concentration of know-how and resources. PROPOLIS contributes to the implementation of many of the EU's policies, especially environment, energy and transport. It also addresses questions of European wide interest and of strategic importance. Scientific objectives and approach: The objective of PROPOLIS is to research, develop and test integrated land use and transport policies, tools and comprehensive assessment methodologies in order to define sustainable long-term urban strategies and to demonstrate their effects in European cities. The work is executed through developing a set of indicators measuring the environmental, social and economic components of sustainability. Values for these indicators are calculated using enhanced urban land use and transport models and new GIS and Internet based modules. A decision support tool is used to evaluate the sets of indicator values in order to arrive at aggregate environmental, social and economic indices for the alternative policy options. To include the long run land use effects a time horizon of 20 years or more is used. The innovations of the PROPOLIS project are related to the integrated and comprehensive approach, to the common framework for analysis with different land use and transport models, to the combination of strategic interactive land use and transport models and GIS techniques. The feedback from the attributes of environmental quality to the locating process of households and firms is part of the innovation. The approach is also likely to produce innovative policy recommendations, as the system is able to reveal the interactions and multiplier effects by following the impact chains in the system. Expected impacts: PROPOLIS approach is used to systematically analyse policy options in 7 European cities to reach general recommendations for optimum combinations of different policy types. The strategies improve urban sustainability in general and radically reduce urban pollution and congestion without compromising economic efficiency and social sustainability. The benefits at the European level are mostly related to the general conclusions and recommendations for European urban regions. Efficiency increase will lead to improved competitiveness and employment, to better economy and welfare. The project also produces a set of well-defined indicators for use for benchmarking purposes throughout Europe. The national and local authorities in the case city regions benefit from the project by having updated and enhanced urban models and evaluation system available for their use. This system can be used when planning new policies, plans or large-scale projects. The system is especially well suited for environmental impact assessments, which are forced by law for any large-scale project. The achievement of the goal - to specify and demonstrate the effects of long-term strategies that could be generally adapted in different European urban regions - would lead the way to better environment, land use patterns and transport. http://www.ltcon.fi/propolis/index.htm	Start: 2000-01-01 End: 2003-06-30 42 months finished

Acronym		Laufzeit
PROS-PECTS	***Procedures for recommending optimal sustainable planning of European city transport systems*** Project PROSPECTS is designed to help city authorities meet the challenges set in "The Common Transport Policy" which advocates the achievement of sustainable mobility. Sustainability in that sense is currently jeopardised by the growth in car ownership and use, the parallel dominance of road vehicles in freight transport, and the decentralisation of urban land use. The resulting problems include congestion, which is extending over longer period and larges areas; increased pollutants, noise and visual intrusion; higher levels of fuel consumption, and hence carbon dioxide emissions, adversely affecting the global environment; higher numbers of road accidents; reduced accessibility by public transport and lower quality journeys on foot and by cycle, thus aggravating problems of social exclusion; and, though all of these, a deterioration in quality of life and in the efficiency of the urban economy. City authorities have available an increasing range of policy measures to tackle these problems and are actively seeking integrated solutions. However, it is often difficult to identify that combination of measures which will achieve the optimal strategy for a particular city. Moreover, there are several barriers to implementing optimal strategies, including practical problems, lack of legislation, division of responsibilities, lack of finance and, above all, lack of public acceptance. Scientific objectives and approach : The principal objective of PROSPECTS is to provide cities with the guidance which they need in order to generate optimal land use and transport strategies to meet the challenge of sustainability in their particular circumstances. The sub-objectives, each of which is associated with a separate technical Work Package, are: To identify the decision making needs of cities. To assess and enhance evaluation tools to aid decision making. To assess and enhance forecasting and analysis tools for the land use/transport system. To publish a Decision-Makers' Guidebook and supporting Methodological and Policy Guidebooks. To disseminate the results and exploit the three Guidebooks and the enhanced tools. The first Work Package involves defining cities' policy objectives, underlying trends and future scenarios, policy options, decision making processes and barriers to implementation. These are identified initially with the Core Cities and then tested through the wider survey. The second Work Package focuses on the tools necessary for evaluating strategies against the specified objectives, identifying optimal strategies in terms of these objectives, and presenting information to decision makers and the public in an easily interpreted form. It develops current methods for multi-criteria analysis and optimisation against objective functions, and extend their application to land use measures. It uses GIS tools to aid presentation of results.The third Work Package develops existing forecasting and analysis tools. It starts with a review of the requirements arising from the review of decision making requirements, and the ability of existing tools to meet those requirements. It then develops existing policy explorers and sketch planning models for application and testing in the six Core Cities, and enhances four existing Core City land use/transport interaction models. The models are used to illustrate decision making methods and to test policy options. Expected impacts The principal outputs are provided by the fourth Workpackage, which produces the three Guidebooks. The first of these is a Decision-Makers' Guidebook, designed for politicians, senior officials and the public, and outlining the approach to decision making, the policy options, and the support tools available. The second, the Methodological Guidebook, is designed for professionals, and provides more extensive advice on the support tools for evaluation, forecasting and analysis. The third, the Policy Guidebook, describes current experience with the full range of policy options, and is of interest to politicians, professionals and the public. The three Guidebooks, covering decision making, methodology and policy advice, will be designed for ease of use by city authorities, and by the public in their cities. The advice will enable them to enhance sustainability, the environment, social inclusion and quality of life through the design of more effective land use and transport strategies. In addition it should help in improving the efficiency and accessibility of the transport system, hence reducing costs and increasing competitiveness. Our work in OPTIMA and FATIMA identified strategies which increased economic efficiency by 20-30% over previously preferred strategies, using transport policy measures alone. We would expect to be able to improve further on this by including land use measures and we will assess the potential scale of these benefits for all our Core Cities. The advice will also help to identify the key barriers to implementation, and the case for overcoming them, thus facilitating the achievement of optimal strategies. In all of these ways cities' competitiveness, both economically and as places to live, should be significantly enhanced. http://www.ivv.tuwien.ac.at/projects/prospects.html	Start: 2000-02-01 End: 2003-01-31 36 months

Acronym		Laufzeit
SCATTER	***Sprawling Cities And TransporT: from Evaluation to Recommendations*** Urban sprawl induces high level of car use and usually, congestion on roads giving access to city centres. To limit the damages caused by urban sprawl in terms of congestion, air pollution and energy consumption, numerous European cities are implementing suburban public transport services, such as heavy or light rail. But by improving the accessibility, they create an incentive for a new wave of urban sprawl. Therefore, in parallel, accompanying measures have to be elaborated, in order to prevent, mitigate or control urban sprawl. The proposed project tackles with this issue. The main steps of the research are to reach a better understanding of urban sprawl and its relation with transport, to evaluate accompanying measures faycities implementing suburban public transport, and to elaborate recommendations addressed to European cities. The overall research is based on the analysis of 5 case cities. http://www.casa.ucl.ac.uk/scatter/	Start: 2002-01-01 End: 2004-06-30 30 months
SUTRA	***Sustainable urban transportation*** Transportation problems are among the most pressing strategic development problems in many cities, often a major constraint for long-term urban development in general. The problems to be solved are the inefficiency of urban transportation systems and underlying land use patterns, which negatively affect quality of life, economic efficiency, and the environment; the high (and often hidden) costs of urban transportation in both socio-economic and environmental terms; and in particular the environmental consequences both in terms of physical aspects that include land and resource use, ecological aspects, and human health problems. Tools for comprehensive strategic analysis that are directly useful to city administrations are lacking. New strategies for sustainable mobility will require a combination of measures with impacts on improved land-use/economic development planning; improved planning, management and use of transport infrastructures and facilities; incorporation of the real costs of both infrastructure and environment in investment policies and decisions and also in user costs; development of public transport and improvement of its competitive position; continued technical improvement of vehicles and fuels; encouraged use of less polluting fuels; promotion of a more environmentally rational use of the private car, including behaviour al changes. Scientific objectives and approach: These problems can only be addressed with a consistent and comprehensive approach and planning methodology that helps to design strategies for sustainable cities. This will include an integration of socio-economic, environmental and technological concepts including the development, integration, and demonstration of methodologies to improve forecasting, assessment and strategic policy level decision support. From a technical perspective, the project aims to develop and apply a n indicator based approach compatible with Agenda 21 and common indicators for urban sustainability for a baseline analysis, ranking and benchmarking (within the participating cities and across all of Europe) that will ultimately support a discrete multi-criteria selection mechanism. It will use traffic equilibrium modelling to evaluate alternative transportation policies, including multi-modal systems and their relation to land use, technological development, socio-economic development, and spatial and structural urban development (land use scenarios) in general. Air quality modelling will be used to translate transportation scenarios and their resultant emissions into ambient air quality estimates and population exposure. Economic analysis and energy systems analysis and modelling using w ell established modelling approaches such as MARKAL, will identify and evaluate cost effective transportation scenarios, consistent with the larger economic and technological framework. Environmental impact assessment is used for the comprehensive evaluation of alternative transportation scenarios, using a rule-based checklist approach to cover environmental effects beyond air pollution, such as noise, waste including the complete life cycle of vehicles, space and resource requirements for the transportation infrastructure and its maintenance, and the effects of accidents. The long-term development scenarios, defined for each of the case study cities, will consider the current base line, a do-nothing scenario and a set of probable development strategies in terms of demographic, socio-economic, spatial and structural (land use), and technological developments over the next decade and beyond (30 year horizon). Expected impacts: The primary expected impact is to improve the quality of urban life, health and safety by contributing towards sustainable transportation in sustainable, economically efficient, attractive, enjoyable and liveable, cities. Solutions for sustainable transportation leading to the improvement of the quality of life in urban communities. http://www.ess.co.at/SUTRA/	Start: 2000-07-01 End: 2003-07-01 36 months

Acronym		Laufzeit
TRANS-PLUS	***TRANSport Planning, Land Use and Sustainability*** European cities are affected by pollution and congestion problems created by unsustainable transport patterns. This, to some extent, could be addressed in the long run by integrated land use and transport planning. The current problem to be solved is the lack of a consistent and widely spread bulk of knowledge and coherent institutional/action framework to integrate land use and transport policies at urban, regional and national level. This integration process is to be made towards common goals of sustainable transport and urban development. The lack of integration among 1) urban departments in charge of different policies, 2) layers of government -national, regional, local- with different planning and regulatory powers, 3) public administrations and citizens' associations or other private stakeholders interests, causes several socio-economic problems, including: a) social tensions coming from the realisation of projects which do not meet people needs, b) waste of economic resources which occurs when the impacts of non integrated projects are conflicting, c) exaggerated exploitation of environmental resources due to an irrational city development which fails to minimise space consumption and travel needs. TRANSPLUS addresses these problems through the analysis of best practice and planning tools aimed at reducing private car use, fostering public and non-motorised transport modes. The main contribution of TRANSPLUS to the solution of the urban problems is to promote and monitor the replication on an European-wide scale of the most effective integrated solutions, i.e. those which can be easily transferred between different member states and applied without any significant modification to existing institutional frame conditions. TRANSPLUS highlights also the possible modifications to the organisational, legal, financial and other non-technical national frameworks which might facilitate integrated approaches. **Scientific objectives and approach** The project embraces an integrated land-use and transport planning approach to manage transport demand and contribute towards the creation of a common understanding of the issues at stake and the possible ways to tackle them. TRANSPLUS initiates and fosters a continuous learning process involving consultants and European cities interested in exploring and adopting innovative policy measures. The research process is articulated as follows: 1. System analysis of megatrends in urban development and strategic approaches towards sustainable transport. The latter includes three general categories - collective transport promotion; promotion of non-motorised modes; restriction of motorised individual transport- and identifies specific strategies with close land use inter-relation; 2. Learning process involving researchers and users for the analysis, for each identified strategy, of the overall planning and implementation cycle, including the design of specific measures and ways of gaining political acceptance, and the evaluation of final outcomes and side effects; 3. Analysis of barriers to realisation and appraisal of structural compatibility and potential transferability of policies implemented in different contexts, based on the lessons learned in the analysis of significant practices; 4. Analysis of different methodologies to promote citizens, stakeholders and users participation to the different phases of policy planning and implementation; 5. Networking and dissemination activities supported by the development of a web site, realisation of an introductory brochure and subsequent newsletters, organisation of workshops enriched by the participation of interested cities, and the final production of TRANSPLUS guidelines. TRANSPLUS is included into a cluster of five research projects on "strategic app roaches to integrate transport and land use planning". http://www.isis-it.com/transplus.htm	Start: 2000-04-01 End: 2003-11-30 44 months

Acronym		Laufzeit
VELOINFO	***Veloinfo, the European network for cycling expertise*** The high-level objective of Veloinfo is to enable local authorities and experts in attaining sustainable urban planning by establishing a WWW-based expertise centre on bicycle planning policies and bicycle use, of which the usefulness and continuity is ensured. European cities and transport planners represent supply/demand for expertise; VeloInfo is sustained by these users, ensuring optimal distribution of expertise. VeloInfo's objective is to supply and exchange this type of information on transport and planning level. VeloInfo will offer information and connect user cities to experts and expert institutes. VeloInfo will be open to a ray of cities and professionals. This proposal involves the development of the network and its technology based on Collexis, using work package and expert meetings. The network will be demonstrated and evaluated and a business model is made for continuation after the project. The objective of Veloinfo is to enable local authorities and experts in attaining sustainable urban planning by establishing a WWW-based expertise centre on bicycle planning policies and bicycle use, of which the usefulness and continuity is ensured. The usefulness and continuity of the expertise centre is ensured by the following project objectives: Involve users and suppliers of cycling policy knowledge in the development of the system; Make use of state-of-the-art technology for data storage, information disclosure and internet communication; Create a critical mass of bicycle policy & use information in the expertise centre; Establish a business model based on a co-operative network methodology; Carry out an active marketing and dissemination from the start of the project; Demonstrate and evaluate the usefulness of Veloinfo. http://www.velo.info	Start: 2002-10-01 End: 2004-03-31 18 months

Bereich 4.4.2 Vergleichende Bewertung und Demonstration neuer Verkehrstechnologien und der dazugehörigen Infrastruktur

Acronym		Laufzeit
CYBERMOVE	***Cybernetic Transportation Systems for the Cities of Tomorrow*** http://www.cybermove.org/	Start: 2001-12-01 End: 2004-11-30 36 months
ECTOS	***Ecological city transport system. demonstration, evaluation and research project of hydrogen fuel cell bus transportation system of the future*** A consortium of leading European corporations within the area of hydrogen production and fuel distribution, vehicle manufacturing join forces in Reykjavik, Iceland to perform a real scale comparative assessment of the effect of changing the transport energy base from fossil fuel to regeneratively produced hydrogen. The ECTOS-project involves research, demonstration and evaluation of hydrogen infrastructure and fuel cell buses. The research will focus on the socio-economic implications of transforming from one fuel to another, transport model research, life-cycle analysis, environmental monitoring and cost-benefit analysis Iceland has been chosen for the project as it is possible to run a hydrogen project in aCO2 free manner, that is there will be no emission of greenhouse gases in the whole energy chain. Results and experience will then be channelled into other similar European projects through various dissemination activities. http://www.ectos.is/	Start: 2001-03-01 End: 2005-02-28 48 months

EDICT	***Evaluation and Demonstration of Innovative City Transport*** The programme addresses the urgent need for sustainable forms of transport in cities in Europe as an alternative to the car and to complement existing forms of public transport. The evaluation of technical, environmental, social and economic benefits of a novel Personal Rapid Transport (PRT) System will be undertaken in 4 European Cities, Cardiff Wales, Eindhoven Holland, Huddinge Sweden, and Rome Italy. Seven further Cities in EC and Accession countries will participate as "follower" cities. Practical assessment of user and community benefits will be accomplished through full scale demonstration in Cardiff. The re-sults will be disseminated widely to provide information on best practice for assessment and introduction of PRT systems to improve future transport in Europe. http://www.edict.info	Start: 2001-12-01 End: 2004-05-31 30 months
MOSES	***Mobility services for urban sustainability*** MOSES will develop mobility services to reduce dependence on the private car on a European scale - without restricting mobility. The existing small-scale system of Car-Sharing is to be improved significantly, with better service, integrated innovative technologies, intermodal co-operation with other mobility servi-ces (e.g. public transport, taxi, cycling, delivery services etc.) and integration of these innovative services into strategies of urban revitalisation and new developments to increase urban efficiency. MOSES is practice orientated and will examine the demonstrators under real-life conditions. A tool-box of technologies, services modules, awareness and framework instruments will be offered. MOSES involves research institutions, regional and local authorities, mobility operators and technology providers and covers North, South, West and East of Europe. MOSES will achieve sizeable impacts on the environment and traffic http://www.moses-europe.org	Start: 2001-05-01 End: 2004-10-31 42 months
NETMOBIL	***New transport system concepts for enhanced and sustainable personal urban mobility*** New technology vehicles, together with radical approaches to urban transport systems and services, can make a substantial contribution to urban sustainability. NETMOBIL is a project, which will bring together a cluster of four EC projects in this area and non-EC projects and research from Europe and overseas, particularly North America and Japan. The project will interpret results, identify opportunities, develop policy guidance, raise the profile of the project activities through wide ranging dissemination measures, and determine further research and application needs and opportunities.	Start: 2003-02-01 End: 2005-03-31 26 months
STARDUST	***Towards sustainable town development: a research on deployment of urban sustainable transport systems*** Key Action 4.4.2 addresses the "Comparative Assessment and Demonstration of New Transport Technologies and Related Infrastructure". This task recognises the potential contribution of a range of technically feasible driver support technologies to improving the efficiency and environmental performance of urban road traffic throughout Europe. The project will assess the extent to which such technologies can contribute to a sustainable urban development not only in terms of direct impacts on traffic conditions and environment but also in terms of impacts on social life, economic viability, cultural life, safety, etc. The STARDUST project will provide guidance to the range of interested stakeholders (Government, regional and local authorities, driver and vehicle/equipment manufacturer) on the impacts of potential new driver assistance systems. The objectives will be met through integrated investigations into the various aspects and impacts of the deployment of ADAS/AVG technologies that could be envisaged to 2010 for 3 European cities: Brussels, Oslo and Southampton, including state-of -the-art review, elaboration of deployment scenarios, market assessment, human factors studies, impacts simulation and evaluation. http://www.trg.soton.ac.uk/stardust/index.htm	Start: 2001-03-01 End: 2004-02-29 36 months

1.4 Das sechste Forschungsrahmenprogramm 2002 – 2006 - beantragte Projekte (Expression of Interest – EoI http://eoi.cordis.lu/)

1.4.1 Bereich “Information Society Technologies ” (Bereich 1.1.2)

Tabelle 22: Projekte des Bereichs “Information Society Technologies” (Bereich 1.1.2)

Suchbegriff: **TRANSPORT** (34 Einträge gefunden)

1	-Business Interoperability for Transport	e-BIT	Packaging, Transport and Logistics Technological Institute - ITENE	IP	
2	All Risks Management System	ARMS	Bull Western Europe - EU relationship and Institutional affairs	IP	Italy
3	Application of Fiber Bragg Gratings in High Speed Information Transport	ALFIBAGS	Lambda Physik AG	IP	Germany
4	Bi-directionnal and IP services in High speed trains	TRIPS project (TRain	ALCATEL (France and Germany) FRAUNHOFER INSTITUTE (Germany) SES-GLOBAL (Luxembourg)	IP	
5	CNS/ATM IST Airport System (CATIST)	CATIST	AMS S.p.A.	IP	Italy
6	Controlled use of video images for safe tunnels	CUVIST	ECORYS Transport	IP	
7	Developing knowledge and skills on ICT systems through systematic training	TRATICT	NEA Transport research and training	IP	Netherlands
8	Dynamics of Charge Transport in DNA Relevant for Bioelectronics	DYDNA	Institute of Physical and Theoretical Chemistry Technical University of Munich	IP	Germany
9	E-Business and its impact on supply chains, traffic and transport	EASYCHAIN	German Aerospace CenterInstitute for Transportation Research, Berlin-Adlershof	IP	Germany
10	Early Warning & Critical Infrastructure Protection- Real-Time Security Visualization	EWCIP-RTSV	The Early Warning Center/ICS	IP	Switzerland
11	Establishing the Smart Market: Creating Wealth in the Information Society by Exploiting Integrated Micro-Systems Technology Solutions	MEMSTAND	National Physical Laboratory	IP	United Kingdom
12	European Community Interoperability Program	ECIP	Open GIS Consortium (Europe) Ltd.	IP	United Kingdom
13	Human Factors in Complex Sociotechnical Systems	HUFACTS	University of Nottingham	NoE	United Kingdom
14	INTELLIGENT SYSTEMS FOR TRANSPORT INFRASTRUCTURAL MONITORING AND ENVIRONMENTAL ENHANCEMENT	INTSENS-SYS	City University	IP	United Kingdom
15	Intelligent Wireless Sensor Networks	i-WISE-NET	ikom, Centre for Information and Communication Technology at the University of Bremen	IP	Germany

16	Interactive Tourist Guide	INTOUR GUIDE	FINSIEL S.p.A.	IP	Italy
17	Interchange Design and Management	CHANGE	University of Southampton	NoE	United Kingdom
18	Knowledge and Information Sharing System for a Scientific Environment	KISSES	Studiecentrum voor Kernenergie-Centre d'etudes de l'énergie nucléaire (SCK-CEN)	IP	Belgium
19	Mobile Travel	m-Travel	SITA	IP	Switzerland
20	Mobility in Historical Cities - Dictionary and Key Actions	MOBY DICK	German Aerospace CenterInstitute for Transportation Research, Berlin-Adlershof	IP	Germany
21	Modernisation of the railway traffic of the Baltic States	Railway traffic	Kaunas University of technology	IP	Lithuania
22	Network for Accurate Navigation and Personalised Mobile Information Services	NAVIPILOT	VTT Industrial Systems	NoE	Finland
23	Network of 5,200 experts from 18 Academies at the disposal of FP5.	Euro-CASE NWE-FP6	European Council of Applied Sciences and Engineering Euro-CASE	NoE	
24	NoEin Wireless multimedia COMmunications	NEWCOM	Politecnico di Torino	NoE	Italy
25	NoEon Intelligent Transport Systems	NETEXITS	UITP	NoE	Belgium
26	SAFety EURope	SAFEUR	SAGEM sa	IP	France
27	SeaMless intelligent envIronment for peopLe-on-the-movE	SMILE	Centro Ricerche Fiat	IP	Italy
28	SElf-healing Converged NEtwork Technologies	SECNET	MARCONI COMMUNICATIONS	IP	
29	Semantic Web and Intelligent Agents – Network of Excellence	SEWING-NoE	PORT AUTHORITY OF GIJON – Spain	IP	Spain
30	Short-Range Communications Through Ultimate Integration Technologies	SCOUT	DIMES, TU Delft	NoE	Netherlands
31	Smart and Flexible	SmaF	VTT Building and Transport	IP	Finland
32	Smart Card Contact-less interoperable transport payments	CAESAR	Laboratori General d'Assaigs i Investigacions. (LGAI)	IP	
33	Transport European Service Assembled by Logistic Intelligent Agents – IP	TESALIA - IP	AUTORIDAD PORTUARIA DE GIJON – España PORT AUTHORITY OF GIJON – Spain	IP	
34	Urban transport Multi-Modal Travel Assistant	UMMTA	ECORYS Transport	IP	

Tabelle 23: Projekte des Bereichs “Information Society Technologies” (Bereich 1.1.2)
Angewandte IST-Forschung zur Bewältigung der großen gesellschaftlichen und ökonomischen Herausforderungen (1.1.2.i)

Suchbegriff: **TRANSPORT** (44 Einträge gefunden)

1	"Managing the Development of Complex Systems through Advanced Modeling and Simulation Technologies"	ModSim	Research Centre of the Athens University of Economics & Business / TRANsportation Systems & LOGistics Laboratory (RCAUEB/TRANSLOG)	IP	Greece
2	"Seamless INtegration & OPTImization of Supply Chains in the Electronic & Mobile Commerce Environment"	SINOPTIC	Research Centre of the Athens University of Economics & Business / TRANsportation Systems & LOGistics Laboratory (RCAUEB/TRANSLOG)	IP	Greece
3	Advanced Sleep and Brain Monitoring	ASLEEP	Starlab	IP	Spain
4	AGINET - Network for research applications of geographic information in Europe	AGINET	AGILE- Association of Geografic Information Laboratories in Europe	NoE	Italy
5	Ambient Intelligence System of Agents for Knowledge-based and Integrated Services for E&D users.	ASK-IT	Fundación VODAFONE	IP	Spain
6	Ambulant and Network Plan for Multipurpose First-Aid System	Ambulant Multipurpos	Technion- Israel Institute of Technology	IP	Israel
7	An Integrated Disaster Simulation and Optimisation System:	ID-SOS	Center for Research & Technology Hellas/ Hellenic Institute of Transport (CERTH/HIT)	IP	Greece
8	ARCHITECTURES, ALGORITHMS, AND MULTIMEDIA TECHNOLOGIES FOR INDUSTRIAL AND CONSUMER APPLICATIONS	AMTICA	University of Las Palmas GC, IUMA Institute for Applied Microelectronics	NoE	Spain
9	Awareness and Management of Societal Risks in the Information Society	AwaR-e	HERMES European Center of Excellence on Computational Finance & Economics University of Cyprus	NoE	Cyprus
10	Bridging Business Services & Mobile Technologies	BRIDGE	Economic Research Institute (EFI) at the Stockholm School of Economics	IP	Sweden
11	Complex Problem Solving in Science, Engineering, Business and for Society	COPSE	Atkins Rail	IP	United Kingdom
12	Computational Mechanics for Structural Safety in Construction and Transport	COMESSA	LMT Cachan	NoE	France
13	Data Integration for Air quality, pollutant Dispersion and Environment Monitoring	DIADEM	ALCATEL ETCA s.a.	IP	Belgium
14	Decision support systems for multi-modal cargo transportation	MMCT-DSS	NTUA (National Technical University of Athens)	IP	Greece
15	Development of a Cross- and Multidisciplinary Instrument for Self-evaluation of Production Systems and Work Places	CDMI	Chalmers University of Technology	IP	Sweden

16	Development of Fire Safety Tools for Constructions and Transport	FIRESAFETOOLS	SP Swedish National Testing and Research Institute	IP	Sweden
17	European Information Service System for Marine Users	MarineInfo	Nansen Environmental and Remote Sensing Center (NERSC)	IP	Norway
18	HUMAN centred design for Information Society Technologies	HUMANIST	INRETS Institut National de Recherche sur les Transports et leur Sécurité	NoE	France
19	Information Systems for Environmental degradation and disaster monitoring and Management	ISEM	INRIA	NoE	France
20	Information Technology for Sustaining the Urban Water Cycle	ITsWATER	University of Girona	NoE	Spain
21	Innovation System for Differentiated and Integrated Public Transport	ISDIPT	LogistikCentrum Väst AB	IP	Sweden
22	Integrated Information Services for Alpine Area	MOUNTAIN	Telespazio S.p.A.	IP	Italy
23	INTegrated pERsonal TRAvel Services	INTERTRAS	TTS Italia	IP	Italy
24	IP for developing Accessible systems for the support and guidance of Disabled and Senior citizens	IDALGOS	Aristotle University of Thessaloniki / Transport Systems Research Group (AUTh / TSRG)	IP	Greece
25	Integrated Travel Services Network	ITS-NET	European Road Transport Telematics Implementation Co-Ordination Organisation S.C.R.L.	IP	Belgium
26	Integration of Transport Applications using Grid Technologies	TransportGrid	University of Westminster	IP	United Kingdom
27	Intelligent Monitoring and Diagnostic Systems for Health and Security	IMDSHS	Czech Technical University in Prague, Faculty of Mechanical Engineering	IP	Czech Republic
28	Intelligent product catalogs for construction	i-CAT	Valtion Teknillinen Tutkimuskeskus (VTT, Technical Research Centre of Finland)	IP	
29	Intelligent Transport Systems in the modern information and comunications sosciety		Telenor Research and Development	NoE	Norway
30	Interaction Problems In Earthquake, Transportation and Offshore Engineering	INTETOE	University of Catania	NoE	Italy
31	Interaction Problems in Engineering	INTETOE	University of Catania	NoE	
32	Lift transportation in emergencies	LIFTE	Loughborough University	NoE	United Kingdom
33	Mobility Service Centres	MobiService Centres	Atkins	NoE	United Kingdom
34	Monitoring and Understanding Driver Behaviour	MONITOR	University of Southampton	NoE	United Kingdom
35	Multi-Application Smart Card for Access to Tourist services, leisure activities and cultural Heritage.	MASCATH	RATP, Département des Systèmes d'Information et de Télécommunications	IP	France
36	MULTIDISCIPLINARY RESEARCH OF INFLUENCE OF INFORMATION TECHNOLOGIES ON EUROPEAN INTEGRATION - WITH CASE STUDY OF SERBIA		Department for social sciences, Faculty of transport and traffic engineering University of Belgrade	IP	Serbia and Montenegro

37	Platform for intelligent video collaboration	PIVCO	CESNET, a.l.e.	IP	Czech Republic
38	Seamless Travel and Transport Information and Harmonised Control		TÜV-Akademie Rheinland GmbH PT MVBW	IP	Germany
39	Strengthening the European ITS industry on the Global Market	SIMBA	European Road Transport Telematics Implementation Coordination Organisation (ERTICO)	IP	Belgium
40	The future of multimedia in a networked world		BTexact Technologies. Part of British telecommunications plc	IP	
41	The objective is the development of a showcase of a innovative and intelligent tele-surveillance system.	TELE 2 INTELLIGENCE	Mobistar s.a.	IP	Belgium
42	USE OF INTELLIGENT TRANSPORT SYSTEMS AND INTERFACES WITH THE USER	ITS & USERS	ASESORÍA INDUSTRIAL ZABALA, S.A.	IP	Spain
43	Using biologically inspired algorithms to solve problems involving dynamic environments	BIODYNE	Centre for Informatics and Systems, University of Coimbra	IP	Portugal
44	Virtual design and Interior Aero-acoustics	VIA	Kungliga Tekniska Högskolan	IP	Sweden

1.4.2 Bereich “Sustainable Surface Transport” (1.1.6.2)

Tabelle 24: Projekte des Bereichs “Sustainable Surface Transport” (Bereich 1.1.6.2)

1	A New Freight Railway for Europe		TECHNICATOME S.A.	IP	France
2	Acces (to industries) in port / airport regions An industry initiative. Managing congestion by a series of interlinked projects aimed at development of intraregion transportsystems to be integrated with (inter)national combined transportsystems.	PortXs	Amsterdam Port Authority	IP	Netherlands
3	Adaptive ADAS Policy Implementation Strategy: Effectively dealing with uncertainties	ADAS Policy	SWOV Institute for Road Safety Research	NoE	Netherlands
4	Advanced Lead/Acid Batteries for Hybrid Electric Vehicles	LABEV	FIAMM SpA	IP	United Kingdom
5	Advanced Lead/Acid Batteries for Hybrid Electric Vehicles	LABEV	FIAMM SpA	IP	United Kingdom
6	Advanced Vehicle Testing Network	AVT-NET	Netherlands Organization for Applied Scientific Research (TNO)	NoE	Netherlands
7	Alpine Transport – Integration of data, research and policy	ALPINE	The Interdisciplinary Centre for Comparative Research in the Social Sciences	IP	Austria
8	Applied Mathematics for Transportation Modelling and Management	AMTM	INRETS	NoE	France

9	Assessment of traffic safety by pre-accident and behavioural criteria	PACE	ICTCT - International Co-operatio on Theories and Concepts in Traffic safetyInternational Association registered in Vi-enna/Austria	NoE	Austria
10	ater Level Forecast for Inland Navigation	WAVE	Austrian Institute for Regional Studies and Spatial Planning (ÖIR)	IP	Austria
11	Automated Individual Person Traffic	CompuCar	Engineering Bureau Willi Eichholz	IP	Germany
12	Barge transport on Vistula river. Economic, environmental, safety, tech-nological impact.	BARTRIV	Frapol Instal BTH	IP	Poland
13	CHANGING BEHAVIOUR FOR A MORE SUSTAINABLE MOBILITY	WATCH	Inrets	NoE	France
14	Classification of 'Levels Of Service' in European Transportation	Close-To	OGM-Organisation Gestion Marketing	IP	Belgium
15	Clean Technologies for Surface Transport Through an Integrated Tool Chain (ITC)	ITC	AVL List GmbH	IP	Austria
16	Clean Technologies for Surface Transport Through an Integrated Tool Chain (ITC)	ITC	AVL List GmbH	IP	Austria
17	CLEANER INTERNAL COMBUSTION ENGINES AND FUELS	Clean IC	Laboratoire de Mécanique des Fluides et d'Acoustique - UMR 5509 Ecole Centrale de Lyon	NoE	France
18	cooperative Research for the SME Organization in order to Built an Infrastructure to improve Navigation in WOOD transport	ROBIN WOOD	METTLE GROUPE	IP	France
19	Coordinated Academic RTD and Education Supporting Innovation in Marine Industries	CAREMAR	WEGEMT – A European Association of Universities in Marine Technology and Related Sciences	NoE	United King-dom
20	Diffusion on Environmentally Large Fleets with Industrial Objectives	DELFINO	IRISBUS	IP	Italy
21	DIRECT GAS INJECTION	DIG	EUROPEAN ASSOCIATES	IP	United King-dom
22	Education and Training for better Road Safety	ETROS	PRI – La Prévention Routière InternationalePRI – International Road Safety Association	NoE	Portugal
23	Emission, Infrastructure and Technological Aspects of Alternative Fuels for Auto-ignition Engines	NewFuels	Delphi	IP	United King-dom
24	Enhanced Trans-European Networks - developing future-oriented mobil-ity systems		DaimlerChrysler "Society and Technology"Research Group	IP	Germany
25	Enhanced Trans-European Networks - developing future-oriented mobil-ity systems		DaimlerChrysler "Society and Technology"Research Group	IP	Germany
26	Environmental Costs of Transport	ECOT	INRETS	NoE	France
27	Environmentally Sensitive Micronetworks for Enhancing Accessibility to Reachable Locations and Designed for All	ESMERALDA	University College London	IP	United King-dom
28	Establishing Benchmarks for Microscopic Simulation	ABLE-SIM	University of Southampton	NoE	United King-dom

29	EU GUIDELINES FOR STRATEGIC ASSESSMENT OF TRANSPORT PROJECTS AND POLICIES	GUIDE TRANSPORT	Organisation for Applied Scientific Research TNO	IP	Netherlands
30	EUROPEAN AUTOMOTIVE RESEARCH FOR INCREASING ROAD SAFETY	EARIRS	TECHNICAL UNIVERSITY OF CATALONIA - UPC CENTER OF AUTOMOTIVE ENGINEERING	NoE	Spain
31	EUROPEAN HIGH SPEED TRAIN ARCHITECTURE DEVELOPMENT AND QUALIFICATION	HISTRADE	ANSALDOBREDA	IP	Italy
32	European Infrastructure Management Network	EURO-RAIL-INFRA-Mana	International Union of Railways (UIC)	IP	France
33	European Track Gauge Changeover System	ETGCS	Tifsa (Tecnología e Investigación Ferroviaria, S. A.)	IP	Spain
34	European Universal Automatic Vehicle Identification System	EUAVI	University of Maribor, Faculty of Civil Engineeringy	IP	Slovenia
35	EUROPIA a research and develpment network to make surface transport sustainably safe	EUROPIA	TNO Human Factors	NoE	Netherlands
36	Facilitating the Future of Mobility Management	FAME	NOVEM	NoE	Netherlands
37	Facilities for Accelerated Service Testing and Execution for Railways	FASTER	Fraunhofer Society / IITB	IP	Germany
38	Future Welded Structure in Transport Industry	WELDIT	Volvo Wheel Loaders	NoE	Sweden
39	GLObal SUstainable approach for natural TEXtile fibres production-processing chain	GLOSUTEX	ENEA - Italian Agency for New Technologies, Energy and the Environment	IP	Italy
40	Harmonisation of methodologies and Analysis of Urban Logistics	HAUL	Laboratoire d'Economie des Transports (LET)	NoE	France
41	High efficient, clean and quiet power train for vehicles	Efficient Power Car	EARPA	IP	Germany
42	Higher Voltage Advanced Lead Acid Batteries for Low Emission Vehicles	HiVALAB	European Advanced Lead Acid Battery Consortium (EEIG)	IP	United King-dom
43	Higher Voltage Advanced Lead Acid Batteries for Low Emission Vehicles	HiVALAB	European Advanced Lead Acid Battery Consortium (EEIG)	IP	United King-dom
44	Homologation of Methodologies of ADAS Impact ASsessment Centres	ADAS Centres	TRAIL Research School of Transport, Infrastructure and Logis-ticsDelft University of Technology /Groningen University	IP	Netherlands
45	Hybrid Vehicle Technologies	(t.b.d.)	EUCAR representing DaimlerChrysler, Centro Ricerche Fiat, Volkswagen, Volvo, AVL, IKA, SAFT and Regione Lombardia.	IP	Belgium
46	Hydrogen - Applications and Safety	HYDSAFE	Fraunhofer-Institut für Chemische Technologie (ICT)	IP	Germany
47	Hydrogen - Applications and Safety	HYDSAFE	Fraunhofer-Institut für Chemische Technologie (ICT)	IP	Germany
48	Hydrogen - Applications and Safety	HYDSAFE	Fraunhofer-Institut für Chemische Technologie (ICT)	IP	Germany
49	Hydrogen Storage Systems for Automotive Application	HySStSy	University of Kaiserslautern - Institut für Verbundwerkstoffe GmbH	IP	Germany
50	IDENTIFICATION AND INTEGRATION OF THE LOGISTIC KNOW-HOW AND ITC DEVELOPMENTS	EUROLOG	FEDERTRASPORTO	NoE	Italy

51	IDENTIFICATION AND INTEGRATION OF THE LOGISTIC KNOW-HOW AND ITC DEVELOPMENTS	EUROLOG	FEDERTRASPORTO	NoE	Italy
52	Identification, development and dissemination of sustainability-measures for the road transport industry	SUSTAINABLE ROAD	Fraunhofer Institute for Material Flow und Logistics	NoE	Germany
53	Improving the efficiency and strength of the successful Solar Rickshaw	Solar Rickshaw	Collinda Ltd	NoE	United Kingdom
54	INNOVATION IN ROAD CONSTRUCTION AND MANAGEMENT	INN-ROADS	FORUM OF EUROPEAN NATIONAL HIGHWAY RESEARCH LABORATORIES (FEHRL)	NoE	Belgium
55	INnovative Intermediate Guided Surface Transport Systems & Services	IN B2 IN	RATP	IP	France
56	Innovative Multimodal Networks	IMUNET	TNO Inro	IP	Netherlands
57	INTEGRAL ACCIDENTOLOGY & POST- CRASH SERVICES	INACC	CIDAUT (Foundation for Automotive Research and Development)	IP	Spain
58	Integrated innovative and intelligent intermodal cargo management in the Danube corridor (ARA-Black Sea), creating a backbone for sustainable transport between EU and Eastern Europe	i4Europe	via donau- Donau Transportentwicklungsgesellschaft mbH	IP	Austria
59	IP for Intelligent Mobility for Rail Transportation in Europe	IN²PROMORAIL	UITP	IP	Belgium
60	Integrated Standard Transportation Technology for self-guided freight container rail systems.	ISTU	ITAPS GmbH, Germany	IP	Germany
61	Integrated system for driver TRaining and Assessment using Interactive education tools and New training curricula for ALL driver categories	TRAIN-ALL	Centre for Research & Technology Hellas/ Hellenic Institute of Transport (CERTH/HIT)	IP	Greece
62	INTEGRATED TRANSPORTATION NETWORKS MULTI-MODAL FAST FREIGHT	M2F2	University College London	IP	United Kingdom
63	Integrated Tunnel Lighting Safety System	ITLSS	3M Italia S.p.A.	IP	Italy
64	Integrated Vehicle Safety (IP)	IVES	EARPA	IP	United Kingdom
65	Integrating major transport infrastructures and territorial resources and policies	INFRATER	SITI – Polytechnic of Turin Dipartimento Interateneo Territorio, Dipartimento di Progettazione	IP	Italy
66	Integration and validation of advanced technologies for sea-inland interfaces		TECHNICATOME S.A.	IP	France
67	INTEGRATION OF SITUATION AWARENESS, COURSE CONTROL STABILIZATION SYSTEMS, AND SAFETY MEASURES IN SHIPS	WISESHIP	Universidad Complutense de Madrid	IP	Spain
68	Intelligent Capacity Management System	ICAMS	AGRRI (Advisory Group for Railway Research and Innovation, UK)	IP	United Kingdom
69	Intelligent, Clean (Efficient Powertrainsystem	ICLEPO	DAIMLERCHRYSLER AG	IP	Germany
70	Lightweight Aluminium Automotive Solutions	LAAS	European Aluminium Association	IP	Belgium
71	Low Emission Urban TRANsportation System based on alternative propulsion technologies	LEUTRANS	SAFT on the behalf of CEREVEH (“Development and Innovation Centre in Electric and Hybrid Vehicles”)	IP	France

72	Making Seaports a Powerful Gateway	MASPOG	XGate Logistic Projects Ltd.	IP	Germany
73	Making the 'Sea Motorways' Work	SeaWays	LogIT a.s on behalf of the Norwegian Shipowners Association	IP	Norway
74	MANOEUVERING ANALYSIS OF LARGE TANKERS UNDER COMPLEX ENVIRONMENTAL CONDITIONS IN SHALLOW WATER	MANOTANKER	Istanbul Technical University (ITU)	IP	Turkey
75	Maritime highways as Genuine Alternative to Road Transport	MAPLE	MARCONSULT S.r.l.	IP	Italy
76	Modelling and Utilisation of Sound and Vibration Outdoors	MODUSVIBO	Norwegian Institute for Air Research (NILU)	IP	Norway
77	Motion Sickness, Human Comfort and Operational Safety of people on board of ships	MS_ HCOPSAFE	THE SHIP STABILITY RESEARCH CENTRE, Universities of GLASGOW AND STRATHCLYDE	NoE	United Kingdom
78	Motion Sickness, Human Comfort and Operational Safety of people on board of ships	MS_ HCOPSAFE	THE SHIP STABILITY RESEARCH CENTRE, Universities of GLASGOW AND STRATHCLYDE	NoE	United Kingdom
79	Multi-criteria Design of Efficient Ro-Ro Ships	RORONET	UNIVERSITY OF ZAGREBFaculty of Mechanical Engineering and Naval Architecture	IP	Croatia
80	Natural Gas Vehicles (NGVs) for the Associated Candidate Countries Cites (ACCCs)	NGVs&ACCCs	WROCLAW UNIVERSITY OF TECHNOLOGY - INSTITUTE OF MATERIALS SCIENCE AND APPLIED MECHANICSAssociated with Centre of Advanced Materials and Nanotechnology at WUT	IP	Poland
81	Natural Gas Vehicles (NGVs) for the Associated Candidate Countries Cites (ACCCs)	NGVs&ACCCs	WROCLAW UNIVERSITY OF TECHNOLOGY - INSTITUTE OF MATERIALS SCIENCE AND APPLIED MECHANICSAssociated with Centre of Advanced Materials and Nanotechnology at WUT	IP	Poland
82	NETWORK FOR PROMOTING ECOLOGICAL TRANSPORT .	ECOTRANS	RESEARCH INSTITUTE FOR ELECTRICAL ENGINEERING – ICPE BUCURESTI	IP	Romania
83	NoE	AluTrans	Institute of Non-Ferrous Metals, Gliwice, Poland Light Metals Division, Skawina Centre of Competence for Aluminium Modern Technology and Integrating of Aluminium Research Area - CentrAL	NoE	Poland
84	NoEon Transport Policy Analysis	TRANSPOLYS	AVV Transport Research Centre	NoE	Netherlands
85	Network of Excellence: Environmentally Sustainable Transport	EST	INRETS	NoE	France
86	Network of Excellence: Transports and the Environmental Conflicts in Cities and Corridors	TE3C	Laboratoire d'Economie des Transports Unité Mixte de recherche du CNRS n° 5593 (CNRS - Ecole Nationale des Travaux Publics de l'Etat – Université Lyon Lumière Lyon)	NoE	France
87	Network of Intermodal Transport Excellence	NITE	METTLE GROUPE	NoE	France
88	Network on Mobile Air Conditioning	MAC	Oesterreichisches Forschungs- und Prüfzentrum Arsenal GesmbH	NoE	Austria
89	New Adaptive Systems for Transport Means: Concept Search, Investigation, Development	AdaSyT	Kaunas University of Technology	IP	Lithuania
90	Next generation waterborne door-to-door transport	NEXT SHIP(MENT)S	VNSI (Vereniging Nederlandse Scheepsbouw Industrie)(Netherlands Shipbuilding Association)	IP	Netherlands

91	Novel approaches to non-smooth phaenomena in civil and environmentalengineering.	NOSCE	Groupement de Recherche Européen Laboratoire Lagrange	NoE	France
92	Nuclear Propulsion of Merchant Vessels	Nuprove	Nuclear Services Corporation Netherlands	NoE	Netherlands
93	On line sea traffic control and monitoring at long range.	TARTESSOS	CETEMAR, S.L. (Centro de estudios Técnico-marítimos)	IP	Spain
94	Pan-European optimized information exchange for waterborne traffic and transport managemen	WATERLINK	Institut Français de Navigation (IFN)	IP	France
95	Paraseismic Phenomena in Contemporary Industrial Enviroment	PaPCIEn	Institute of Civil Engineering Wroclaw University of Technology	IP	Poland
96	Promoting Strategies to increase road safety	STIRS	OGM: Organisation Gestion Marketing	IP	Belgium
97	Promotion of Energy Technologies in Transport	PETIT	Institute for Transport Sciences Ltd.	NoE	Hungary
98	Quality Management for Mobility in Europe	QUAMM	ILS - Research Institute for Regional and Urban Development of the Federal State of North Rhine-Westphalia	IP	Germany
99	Quality of Air Network-towards improvement in future years	QUANtify	TNO-MEP	NoE	Netherlands
100	RADICAL USE OF URBAN ROADSPACE	RADICAL	University of Southampton	IP	United Kingdom
101	Railway Environmental Management Tool	REMT	Swiss Federal Railways, Rail Environmental Center	IP	Switzerland
102	RAILWAY INSPECTION OF THE TRACK TO IMPLEMENT RAILWAY SAFETY		CYBERNETIX	IP	France
103	Railway Research - Engineering Interfaces Network	RR-EIN	University of Birmingham, Railway Research Group	NoE	United Kingdom
104	Railway Research - Users, Community and Environment	RR-UCEN	University of Birmingham, Railway Research Group	NoE	United Kingdom
105	Railway Research - Whole System Performance	RR-WSPN	University of Birmingham, Railway Research Group	NoE	United Kingdom
106	RAILWAY WHEEL SETS Safety. Technology. Ecology. Law. Economy	EURORAIL	SILESIAN UNIVERSITY OF TECHNOLOGY	NoE	Poland
107	Railways Cable Systems	Railways CableSys	NEXANS	IP	France
108	Real-time identification and monitoring of elemental species in size-selected particulate matter	RIMES	Università di Genova - Dipartimento di Fisica	IP	Italy
109	Research in Acoustics for Friendly Transport	RAFT	CNRS-LMA	NoE	France
110	RESEARCH PLATOFRM FOR THE INTEGRATED ASSESSMENT OF TRANSPORT PROJECTS AND POLICIES	ITAP	Organisation for Applied Scientific Research TNO	IP	Netherlands
111	Researchs on Railway Reforms	R3	Laboratoire d'Economie des Transports	NoE	France
112	Road Vehicle Safety (Network of Excellence)	ROVES	ECTRI	NoE	United Kingdom
113	Robotics Network for Automated Road Transport	RoboNet	Institut National de Recherche en Informatique et en Automatique	IP	France

114	ROMOTION OF TRANSPORTATION USING HIGH SPEED SHIPS	PROWATERTRANS	ISQ – INSTITUTO DE SOLDADURA E QUALIDADE	IP	Portugal
115	SAFE AND DURABLE ROAD NETWORK	ROAD-X	FORUM OF EUROPEAN NATIONAL HIGHWAY RESEARCH LABORATORIES (FEHRL)	NoE	Belgium
116	Safety Analysis For Efficient Ropeway Systems (a new security concept for safe and sustainable surface transport by cable)	S.A.F.E.R.S.	POMA	IP	France
117	SAFETY IMPROVEMENT IN MARITIME NAVIGATION. VISUAL RHYTHMIC AIDS TO NAVIGATION	ISAN	AIDO . ASOCIACIÓN INDUSTRIAL DE OPTICA, COLOR E IMAGEN	IP	Spain
118	Ship conforming to man's need for comfort, pleasantness and safety	Fit-Ship	METTLE GROUPE	IP	France
119	SHIP INTERACTIVE INTELLIGENT DATA SYSTEM	SHIP INTELDATAS	ISQ – INSTITUTO DE SOLDADURA E QUALIDADE	IP	Portugal
120	Smart assembled and unitized vehicles	SUAV	Ecole Centrale Paris	NoE	France
121	Social Cohesion in European Transport Policy'	SOCIETY	Transport & Travel Research Ltd	IP	United Kingdom
122	Sophisticated Simulation Methods and European Traffic Models	SIMTRAM	LT Consultants Ltd	IP	Finland
123	Spatial resolution of rapid environmental change in European loess traverses	EUROLOESS	University of Bayreuth Chair of Geomorphology	IP	Germany
124	Strategic Implications and FOrecast for future TRansport development in Eastern European Countries	SIFOTREEC	Central Eastern European University Network (CEEUN)	IP	Italy
125	Strategy to Integrate a Maritime Demand-side Orientation	STIMOR	European Road Transport Telematics Implementation Coordination Organisation (ERTICO)	IP	Belgium
126	Substitution of Fossil Fuels by Improved Quality Refuse Derived Fuel	MTA	Institut fuer Energie- und Verfahrenstechnik (IEV), TTZ-Bremerhaven	IP	Germany
127	Sustainable Development in Transport: Technology, Regulation, Institutions and Pricing	SDT TRIP	Free University Amsterdam	NoE	Netherlands
128	SUSTAINABLE IMPROVEMENT IN TRANSPORT SAFETY FOR CHEMICALS	SUSTRANS	Federal Institute for Materials Research and Testing (BAM) III.1 - Information Management Safety Technologies	NoE	Germany
129	SUSTAINABLE MANAGEMENT & DESIGN OF URBAN MOBILITY NETWORKS AND PUBLIC SPACE	MOBILUS	UNIVERSITY OF BRESCIA	NoE	Italy
130	SUSTAINABLE MOBILITY OF FREIGHT AND PASSENGERS: CITY-NETWORK RESEARCHING INTEGRATED SOLUTIONS	C.O.S.MO	REGIONE EMILIA-ROMAGNA	IP	Italy
131	Sustainable solutions for the European Transport System	SETS	Centre for Environment and Sustainability at Chalmers and Göteborg University	IP	Sweden
132	Technology, Transport & Trade for the Social & Economic Integration of Europe	3T	Nautical Enterprise Centre Ltd. (NECL)	IP	Ireland
133	The Development of Lithuanian Transport Modes' Interface with the Transport Systems of Latvia, Poland, Russia and Belarus	DeLTTransMIS	VILNIUS GEDIMINAS TECHNICAL UNIVERSITY TRANSPORT RESEARCH INSTITUTE	NoE	Lithuania
134	The EUROpean sustainable CITY BUS of the Future	EURO CITY BUS	RATP	IP	France

135	Thermoplastic Composite for Structural Automotive Applications	TECSA2	ETH Zürich - Swiss Federal Institute of Technology	IP	Switzerland
136	Tools, procedures and technologies for hazardous goods transport safety improvement.	METHA	ADIIS	IP	France
137	Towards a European centre for Transport Testing	ETT	Fondation Universitaire Luxembourgeoise	IP	Belgium
138	TRANS-ALPINE CROSS BORDER HEAVY GOODSTRANSPORT MANAGEMENT	GOODMAN	TRANSVER GmbH.	NoE	Germany
139	TRAVEL TIME SHORTENING ON MOUNTAIN LINE BELGRADE-BAR FOR 40 % BY IMPLEMENTING THE TILTING TECHNICS AND TRANS-PONDER	TILTING TRAIN ON MOU	Railway INSTITUTE KIRILO SAVIC BELGRAD	IP	Serbia and Montenegro
140	Tunnel Fire Hazards Prevention and Fighting	TUFPO	Christian-Doppler-Laboratory for Applied Computational Thermofluiddynamics at the University of Leoben	IP	Austria
141	Use of high strength aluminium alloys with higher plate thickness in ship construction	ALUSHIP	Schweißtechnische Lehr- und Veersuchsanstalt Mecklenburg-Vorpommern (SLV M-V)	IP	Germany
142	Vehicle and Track Systems, A Complete Understanding	VTS	AGRRI	IP	United Kingdom
143	Vehicle Interaction with the Network and the Environment (IP)	VINE	EARPA	IP	United Kingdom

Tabelle 25: Projekte des Bereichs “Sustainable Surface Transport”
Entwicklung umweltfreundlicher Transportsysteme und Transportmittel (Bereich 1.1.6.2 i)

1	environmental Scans of Logistic Chains	enviLOCH	RAND Europe	IP	Netherlands
2	A NoEin Marine and Offshore Fluid Dynamics	MARNET-CEFD II	WS ATKINS CONSULTANTS	NoE	United Kingdom
3	Accompanying evaluation of traffic systems	ANALYSE	FACTUM OHG	NoE	Austria
4	Advanced automotive engine with fuel-adaptive mixture-preparation and combustion system	FAMPAC	AVL List GmbH	IP	Austria
5	Advanced Design Techniques for Ships	1stDESIGN	PRINCIPIA MARINE	IP	France
6	Advanced Dynamic Driving and Comfort Simulator for Human/Vehicle Interaction	DDCS	DLR German Aerospace Center, Vehicle System Dynamics, Oberpfaffenhofen	IP	Germany
7	ADVANCED EMISSION CONTROL SYSTEMS FOR THE ENGINES AND FUELS OF TOMORROW	ECONET	AEROSOL AND PARTICLE TECHNOLOGY LABORATORY, CENTRE FOR RESEARCH AND TECHNOLOGY-HELLAS, CHEMICAL PROCESS ENGINEERING RESEARCH INSTITUTE, (APTL, CERTH/CREPI), Greece	NoE	Greece
8	Advanced Ship Design from First Principles	ShipFirst	BUREAU VERITAS	NoE	France

9	An Integrated approach to CO2/Particulate Emission Reduction in Engines	CO2-PART	Visteon Powertrain Europe	IP	United Kingdom
10	Application of Intelligence in Transport Systems to Achieve Quality Service	IntelligTS	University of Zilina, Department of Information and Safety Systems	IP	Slovakia
11	Application of New Composite Materials for Automotive Constructions	NeCoMAC	Institut fuer Kraftfahrtwesen der RWTH Aachen	IP	Germany
12	Auxiliaries Design And Control Strategies for high efficiency propulsion systems	ADACS	Department of Energy - University of L'Aquila - ITALY	IP	Italy
13	Centre of Excellence for Railway Noise Studies	CERNS	Politecnico di Milano	NoE	Italy
14	CLEAN AND SUSTAINABLE ENERGY FOR TRANSPORT - TOOLS FOR ASSESSMENTS AND PRACTICAL MANAGEMENT	CASEFORT	VTT Technical Research Centre of Finland VTT Processes Emission Control, Engines and Vehicles	NoE	Finland
15	Composite Materials for Total Vehicle Solutions	COMTOVS	ARRC	IP	United Kingdom
16	COmputational METhods for the DESIGN of environmentally friendly electrical machines	COMET-DESIGN	Ecole Centrale de Lille on behalf of the COMET-DESIGN Consortium	IP	France
17	Conditions for implementing hydrogen energy in the transport sector	HydroCond	Western Norway Research Institute	IP	Norway
18	Conditions for implementing hydrogen energy in the transport sector	HydroCond	Western Norway Research Institute	IP	Norway
19	Coordinated Action for the Promotion of New Technology Minimal Impact Vehicles in Europe	CAPTIVE	Center for Research and Technology Hellas (C.E.R.T.H.) / Hellenic Institute of Transport (H.I.T.),Greece	IP	Greece
20	CYCLIST & MOTORCYCLISTS SAFETY IMPROVEMENTS	CYSAFER	CIDAUT (Foundation for Automotive Research and Development)	IP	Spain
21	Decoupling the environment, transport and the economy	DETENTE	University College London	IP	United Kingdom
22	Development of Parallel-Hybrid Propulsion Systems for Two Wheelers	HYBRIBIKE	Department of Mechanical, Nuclear and Production Engineering University of Pisa (Italy)	IP	Italy
23	Development of simulation techniques to increase stakeholders' acceptance of sustainable mobility policies	DEVICE	Institute for Transport Studies		
24			University Bodenkultur Vienna	IP	Austria
25	DEVELOPMENT OF TEXTILE LIGHT WEIGHT STRUCTURES	TELIWES	DITF Stuttgart (German Institutes for Textile and Fibre Research Stuttgart) - ITV Denkendorf	IP	Germany
26	Development of transport planning systems based on electronic-ticketing data	SMARTANALYSIS	GVS, Company for Transport Consulting and Systems Planning Ltd.	IP	Germany
27	DISTRI-SHIP: using inland waterway shipping for retail logistics	DISTRI-SHIP	Holland International Distribution Council	IP	Netherlands
28	Ecodesign NoEfor sustainable Transport in European Community	ENESTEC	Universitat Pompeu Fabra	IP	Spain

29	Effect-oriented assessment of combined transportation noise	COMBINOISE	Institute for Occupational Physiology at the University of Dortmund	IP	Germany
30	Efficient Car Air Conditioning Based on a Miniaturised Absorption Cycle	ECAMAC	SENER Ingenieria y Sistemas S.A.	IP	Spain
31	ELectric and HYbrid Mobility Systems	ELHYMS	CEREVEH	NoE	France
32	Electromagnetic Immune and Regulatory Compliant Design of Transportation Vehicles	ELITE	ESI France	IP	France
33	Enabling the Use of Composites in Transport	ENACTRAN	ARRC	NoE	United Kingdom
34	Energy COnversion in Engines	ECO-Engines	IFP	NoE	France
35	Environmentally effective shipping	EES	TEM-foundation	IP	Sweden
36	Environmentally friendly road network in Northern Poland – model for interregional transport planning	EFRN-MITP	Institute of Environmental Protection	IP	Poland
37	Europe Intermodal Circle	C.I.R.C.L.E.	ARCADIS Infra BV	NoE	Netherlands
38	European River/Sea Going Ship Concept	EURORISE	Istanbul Technical University (ITU)	IP	Turkey
39	Extending European Short Sea Shipping Corridors into Eastern Mediterranean	ESSEM	BLG CONSULT GmbH	IP	Germany
40	Hybrid Joining Technique for Structural Junctions in Heavy Rail Systems	HYBRAIL	Oesterreichische Forschungsinstitut fuer Chemie und TechnikDepartment: Institut fuer Klebetechnik	IP	Austria
41	Hybrid Vehicle Technologies	(t.b.d.)	EUCAR representing DaimlerChrysler, Centro Ricerche Fiat, Volkswagen, Volvo, AVL, IKA, SAFT and Regione Lombardia.	IP	Belgium
42	identifying Gaps in Intermodal Networks	i-GIN	RAND Europe	IP	Netherlands
43	Improved engineering methods for light alloys castings	METALL	Centro Ricerche Fiat	IP	Italy
44	Innovation Platform for Future European Rail Systems to Promote Interoperability	INTORAILS	Forschungs- und Anwendungsverbund Verkehrssystemtechnik (FAV) Berlin	IP	Germany
45	Innovation Platform for Future European Rail Systems to Promote Interoperability	INTORAILS	Forschungs- und Anwendungsverbund Verkehrssystemtechnik (FAV) Berlin	IP	Germany
46	Innovative, Non-polluting and Cost Competitive Off Road Machinery in Europe	INCOME	Technical University GrazInstitute for Internal Combustion Engines and Thermodynamics	IP	Austria
47	Integrated Collaborative Design and Production of one of a kind complex ships	InterSHIP	EuroYards c/o Jos. L. Meyer GmbH	IP	Germany
48	Integrated Design and Emission Reduction of Yachts	IDERY	Centre of Lightweigth Structures TUD-TNO	IP	Netherlands
49	INTEGRATED HYDRODYNAMIC DESIGN FOR SHIP PROPULSION	SHIPD	Ecole Polytechnique Fédérale de Lausanne Laboratoire de Machines Hydrauliques	IP	Switzerland

50	Integrated sustainable transport systems in towns and regions - methodological approach and effects of combining mobility management and physical measures	ISTRA	Trivector Traffic AB	IP	Sweden
51	INTEGRATION OF UNDERGROUND TRANSPORT INFRA-STRUCTURE IN FUTURE CITIES	IUTIFC	Technion- Israel Institute of Technology	NoE	Israel
52	Interaction of Future Vehicles with Roads and Bridges	INVERS	DLR German Aerospace CenterVehicle System Dynamics, Oberpfaffenhofen	IP	Germany
53	Interaction of Future Vehicles with Roads and Bridges	INVERS	DLR German Aerospace Center, Vehicle System Dynamics, Oberpfaffenhofen	IP	Germany
54	Interaction of Future Vehicles with Roads and Bridges	INVERS	DLR German Aerospace CenterVehicle System Dynamics, Oberpfaffenhofen	IP	Germany
55	Light weight car body / truck cab through hybrid materials	LIMA	Caran Automotive AB	IP	Sweden
56	Long Flexible Barge Trains for Inland Waterway Transport	WaterSnake	Versuchsanstalt für Binnenschiffbau e.V. Duisburg - VBD	IP	Germany
57	Magnesium Integrated Structures	MAGIS	Honsel GmbH & Co KG	IP	Germany
58	Marine Ramjet Propulsion	MAZAL	Technion- Israel Institute of Technology	IP	Israel
59	Maritime Industry Vision 2020	MIV 2020	British Maritime Technology Limited	IP	United Kingdom
60	Mechatronic Solutions for European Railways (IP)	EuroMechaTrain	Loughborough UniversityDepartment of Electronic & Electrical Engineering	IP	United Kingdom
61	Methodologies, components and systems for intelligent transports	MECOSINTRA	ITALCERTIFER-Istituto Italiano per la Ricerca e Certificazione Ferroviaria	IP	Italy
62	Minimisation of traffic by using logistical standards for collection tour planning	MITTOUR	INTECUS GmbH-Waste Management and Environment-Integrating Management	IP	Germany
63	Mobility and the Environment	EuroMATE	Engineering DepartmentUniversity of Cambridge	IP	United Kingdom
64	Moving towards Sustainable Transport and Mobility	TOSUSTAIN	RAND Europe	IP	Netherlands
65	Multicriterial Design of Efficient Ro-Ro Ships	RO-RONET	Faculty of Mechanical Engineering and Naval Architecture	IP	Italy
66	NoEin high voltage (42 Volts and greater) and high integrity automotive electrical power systems	HIHVES	TRW -Conekt	NoE	United Kingdom
67	NoEin the Field of Qualified Human Resources for theEuropean Transportation Sector	NETHUMRETS	Technische Universität Dresden	NoE	Germany
68	Network of Excellence: HYBRID VEHICLE TECHNOLOGY	HYBRITECH	EUCAR representing: Daimler-Chrysler, VW, Centro Ricerche Fiat, PSA, RENAULT, VOLVO, IKA, AVL, ENEA	IP	Belgium
69	New Powertrain Technologies for Land Based Vehicles	Powertrain	Institute of Machine Design and Automotive Engineering at the University of Karlsruhe, Germany	NoE	Germany
70	New Ways for Power and Propulsion	NWPP	British Maritime Technology Limited	IP	United Kingdom
71	Newcastle EDC – NoEin Design	EDCNET	Engineering Design Centre,University of Newcastle upon TyneUK	NoE	United Kingdom

72	NOISE DECREMENT IN RESIDENTIAL ZONES DUE TO MEANS OF TRANSPORT	QUIETEN	CIDAUT (Foundation for Automotive Research and Development)	IP	Spain
73	Noise Reduction and Sound Quality Control Applying Smart Material Structures	SMARTSOUND	Technical Research Centre of Finland (VTT) VTT Industrial Systems	IP	Finland
74	Occupant Protection in Rail Vehicles	OPRAV	Advanced Railway Research Centre (ARRC)	NoE	United Kingdom
75	Operational Research Framework for European Transport	ORFET	University of Macedonia, Thessaloniki, Greece	IP	Greece
76	Project for the Integration of Mobility Management in Europe	PRIME	FORSCHUNGSGESELLSCHAFT MOBILITÄT - AUSTRIAN MOBILITY RESEARCH FGM-AMOR gemeinnützige Gesellschaft m.b.H.	IP	Austria
77	Prototyping a hydrogen PEM fuel cell driven scooter	PEMFCSCOOT	Italvel Progetti s.n.c	IP	Italy
78	Prototyping a hydrogen PEM fuel cell driven scooter	PEMFCSCOOT	Italvel Progetti s.n.c	IP	Italy
79	Quiet Road Transport	SILENCE	AVL List GmbH	IP	Austria
80	Quiet Road Transport	SILENCE	AVL List GmbH	IP	Austria
81	Quieter Traffic on Roads and Rails	QUITROAR	DLR - Deutsches Zentrum für Luft- und Raumfahrt / German Aerospace CenterSecretariat Quiet Traffic	NoE	Germany
82	Reliable Electrical Contacts for Sustainable Development of Electrical Systems	CONNOESUS	University of Southampton	NoE	United Kingdom
83	RESEARCH and OPTIMISATION of ELECTRICAL VEHICLE DRIVE	ELECTROMOBILE	FAKULTET ELEKTROTEHNIKE I RACUNARSTVA (Faculty of electrical engineering and computing)	IP	Croatia
84	Research of modernized electrical drives for energy efficient transport systems	TRANSDRIVE	Vysoká škola bánská - Technická univerzita Ostrava VŠB - Technical University of Ostrava, CZECH REPUBLIC	NoE	Czech Republic
85	Roadgoing Controlled Auto Ignition Demonstrator	R-CAID	Lotus Engineering	IP	United Kingdom
86	Safety without Noise on Brakes	SNOB	Bosch Systèmes de Freinage	IP	France
87	Safety without Noise on Brakes	SNOB	Bosch Systèmes de Freinage	IP	France
88	Safety without Noise on Brakes	SNOB	Bosch Systèmes de Freinage	IP	France
89	Simulation of Activities, Land Use, Transport and Environment	SALUTE	Spiekermann & Wegener, Urban and Regional Research (S&W)	IP	Germany
90	SMArt LIberation of light weight alloys in the automotive industry	Smartli	Ford Forschungszentrum Aachen GmbH	IP	Germany
91	Social engeneering and mobility System	UVANET	Urban Valdera	IP	Italy
92	soft hull cleaning of small, medium vessels and pleasure crafts	softhullclean	iSD GbR	IP	Germany
93	Sophisticated Combination of New Materials and Production Processes for Structural Solutions in Shipbuilding for Vision 2020	COMBISHIP	Helsinki University of Tecnology/Ship Laboratory	IP	Finland
94	Structural Integrity by Real and Virtual Tools	S.I.R.VI.T.	University of Naples “Federico II”	IP	Italy
95	Surface Transport Noise in Sustainable Cities	STRANSC	University of Salford	IP	United Kingdom

96	Survival Capability of Ships with damage that transport passengers, dangerous and/or pollutants goods	ShipSurvCap	Universidad de Oviedo	IP	Spain
97	Sustainable surface transport - Reduced noise emission from road traffic - road surface / tyre interaction	TRAC	SINTEF Telecom & Informatics	IP	Norway
98	The Virtual Towing Tank Laboratory	VITAL	EVIMARc/o PRINCIPIA MARINE	IP	France
99	Towards environmentally friendly public transports in European cities		City of Malmö	IP	Sweden
100	TRANSPORT QUALITY : INNOVATION AND LEARNING IN LOCAL ENVIRONMENTS	TRANQUILLE	University of the West of England, Bristol UK	IP	United Kingdom
101	Transport Quality: Innovation and Learning in Local Environments	TRANQUILLE	University of the West of England, Bristol	IP	United Kingdom
102	Ultra High Performance Electric Drives	UHPED	arsenal research, Österreichisches Forschungs- und Prüfzentrum Arsenal Ges.m.b.H.	IP	Austria
103	Ultralight Magnesium Wheels for Cars	ULMAG	European Competence Centre for Cast Metal (EKZ) at Aalen University of Applied Sciences, Germany	IP	Germany
104	Unsteady Aerodynamics and Aeroacoustics for Vehicles	AERODYN-AEROACO	Chalmers University of Technology	IP	Sweden
105	Zero Emission Propulsion for Hydrogen fuelled Railbus	ZEPHYR	Bristol Electric Railbus Ltd	IP	United Kingdom

Tabelle 26: Projekte des Bereichs “Sustainable Surface Transport”
Für einen sichereren, effektiveren und wettbewerbsfähigeren Verkehr (Bereich 1.1.6.2 ii)

1	Supporting EU strategies for local enterprise systems	EUROKY-PIA (SMEs)	University of Ancona - Department of Economics	NoE	Italy
2	"Novel Bonding Technologies for Soild Oxide and Carbonate Fuel Cells"	BONIFCES	CERAM Research Ltd	IP	United Kingdom
3	“Novel Bonding Technologies for Soild Oxide and Carbonate Fuel Cells”	BONIFCES	CERAM Research Ltd	IP	United Kingdom
4	A Concept for Door-to-Door Passenger Transport	D2D	Isdefe	IP	Spain
5	A Data Management System for Rail Breaks & Defectives	ADAMS	CORUS RAIL TECHNOLOGIES	IP	United Kingdom
6	A DOR (design, operation, regulation) for Safety	SAFEDOR	Germanischer Lloyd AG	IP	Germany
7	A EUROPEAN RAILWAY REFORMING AGENT	EUROGEN	National Technical University of Athens School of Civil Engineering Department of Engineering Construction and Management	IP	Greece
8	A Structural Model Of Car Ownership and usage	SMOKO	adpC	IP	Belgium

9	A Systems Approach to Predictive Management of Rail-Wheel Interface to Enhance Safety and Performance	SAPMINT	CORUS RAIL TECHNOLOGIES	IP	United Kingdom
10	A Train for The South	TRENSUD	ISFORT	IP	Italy
11	Accessibility Research Programme for European Groups to Generate Innovation and Openness	ARPEGGIO	University College London	NoE	United Kingdom
12	ADVANCED INTELLIGENT INTEGRATED SHIP MONITORING AND SAFETY CONTROL SYSTEM	ADISMOS	GDYNIA MARITIME UNIVERSITY	IP	Poland
13	Advanced Passive Safety Network	PSN	TNO Automotive	NoE	Netherlands
14	Automation design philosophies for a future European railway		AGRRI	IP	United Kingdom
15	Benchmarking of Infrastructure	BEOFIN	NEA Transport research and training	IP	Netherlands
16	BUILDING INLAND ENC'S IN A COST EFFECTIVE AND EFFICIENT WAY.	WETNET	TRESCO NAVIGATION SYSTEMS BVBA or EADINS	NoE	Belgium
17	Central and Eastern European Transport Policy Information System	CEETIS	NEA Transport Research and Training	IP	Netherlands
18	Collaborative NoEregarding diseases that affect the fitness to drive, the respective conditions, restrictions and adaptations of motor vehicles, their traffic safety effects and new driver training needs.	CONSENT	Belgisch Instituut voor de Verkeersveiligheid vzw (BIVV-CARA)	IP	Belgium
19	Composite Structures in Fire	COMFIRE	Centre for Composite Materials Engineering	NoE	United Kingdom
20	CONNECT: A NOEFOR FLEXIBLE COLLECTIVE MOBILITY SERVICES	CONNECT	UNIVERSITY OF NEWCASTLE UPON TYNE	NoE	United Kingdom
21	Control and Training System for Environmentally Friendly and Effective Traffic	CTSEFET	Czech University of Agriculture in Prague,	IP	Czech Republic
22	Coordinated approach to Human-System issues in the Marine Environment	CHSME	TNO Human Factors	NoE	Netherlands
23	Demonstrating new approaches to improving compliance with road transport regulations	ERICA	Korps Landelijke Politiediensten (KLPD)	IP	Netherlands
24	Developing a European FAst CArgo RAil network	FACARA	Rups, consultancy and project management	IP	Netherlands
25	Developing a European FAst CArgo RAil network	FACARA	Rups, consultancy and project management	IP	Netherlands
26	Development of 'Intelligent' Maps for Integrated Travel Information Services	IntelMITIS	Atkins	IP	United Kingdom
27	Development of a standardized method to define grip characteristics of car tyres in winter and severe weather conditions for tyre and car control development and tyre specification standardization	ICEGRIP	Municipalities of Northern Lapland	IP	Finland
28	Development of roadside tests for drivers under the influence of drugs	DRUID	Ghent University Laboratory of clinical biology - toxicology	IP	Belgium

29	Development of waterborne transport to improve European intermodal transport network	WEITRANS	SSPA Sweden AB	IP	Sweden
30	Developments for Standardisation of a new European Small Container Family	EUROCONT	IVT, Institute for Planning and Transportation	IP	Switzerland
31	Diagnosing of bridges for improving safety and quality of transport.	COBRIT	Kielce University of Technology - Faculty of Civil Engineering - Chair of Strength of Materials	NoE	Poland
32	Does Traffic Management Improve Air Quality - A Monitoring Study	M.T.R.A.P.	University of Sunderland	IP	United Kingdom
33	E-work logistics	EWOLO	University College of Borås	IP	Sweden
34	Emotional QUalities In Public and collective Transport - New possibilities for sustainable leisure travel	EQUIP-T	nexus Institu für Kopperationsmanagement und interdisziplinäre Forschung (Dienel u.a. GbR)	IP	Germany
35	Enhancing the Safety of Transport on Highways through Excellence in Research	ESTHER	Korps Landelijke Politiediensten (KLPD)	NoE	Netherlands
36	Enhancing the supply of European Seafarers in the Labour Market	SEAMARKET	Seafarers International Research CentreSchool of Social SciencesCardiff University	IP	United Kingdom
37	Ensuring sustainable Compentence and Competitiveness of European Maritime Skills Base	MARSKILLNET	World Maritime University	NoE	Sweden
38	ERTMS/ETCS Safety Assessment Platform	ESAP	TIFSATecnología e Investigación Ferroviaria, S.A.	IP	Spain
39	Esclusione sociale e trasporto pubblico locale in aree urbane		CERFE	IP	Philippines
40	Establishing the SeaScape of Maritime Industrial Challenges and Sustainable Solutions	SEASCAPE	University of Plymouth	IP	United Kingdom
41	European Excellence Network on Infrastructural Road Safety	I-SafeTnet	EUROPEAN UNION ROAD FEDERATION (ERF)	NoE	Belgium
42	European Excellence Network on Road Safety (SafeTnet)	SafeTnet	EUROPEAN UNION ROAD FEDERATION (ERF)	NoE	Belgium
43	European maintenance network for reliability centred meintenance of freight wagons	EMANET	BB - (Austrian Federal Railway)	IP	Austria
44	European network for active lighting systems technology and vision research	Lighting_and_vision	L-LAB , Private Public Partnership for Research in Lighting Technologies	IP	Germany
45	European NoEon the assessment and certification of driver education schemes and training tools.	EUROEDU	Centre for Research & Technology Hellas/ Hellenic Institute of Transport (CERTH/HIT)	NoE	Greece
46	European NoEVersus Accessibility and Mobility of Disabled and Senior Citizens	EUVATOS	Aristotle University of Thessaloniki / Transport Systems Research Group (AUTh / TSRG)	NoE	Greece
47	European Performance Models for Road Traffic Facilities	EUROPRO	Lund University	IP	Sweden
48	European Railway Simulation	EURAIS	Fraunhofer FIRST	IP	Germany
49	Extension of Life of Infrastructure for Transport in Europe	ELITE	University College Dublin	NoE	Ireland
50	Fast cargo handling nodes for intermodal express services in Airport regions	RAILPORT - Network	EveCo Software GmbH	IP	Austria

51	Fast cargo handling nodes for intermodal express services in Airport regions	RAILPORT - Network	EveCo Software GmbH	IP	Austria
52	Fatigue Management for Safer Surface Transport	TRANSSAFE	German Aerospace Centre (DLR) - Transport Section	NoE	Germany
53	Fire Behaviour of Composite Structures	FIRECOMPS	University of Newcastle upon Tyne	IP	United Kingdom
54	FOOTPRINT NETWORK	FOOTPRINT	Sciotech Projects Limited	NoE	United Kingdom
55	FREIGHT MULTIMODAL TRANSPORT. A METHODOLOGY FOR AN OPTIMAL INTERMODAL NODE NETWORK	OPT.INTER.NET	Istituto di Trasporti – Facoltà di Ingegneria dell'Università di Palermo (dal 01/07/2002 Dipartimento di Ingegneria Aeronautica e dei Trasporti)	IP	Italy
56	FREIGHT TRANSPORT MODES QUALITY ATTRIBUTES	TRANSQUAT	Groupe Transport &Mobilité (GTM)Facultés Universitaires catholiques de Mons (FUCAM)	NoE	Belgium
57	Future European Use of Remote Sensing Devices in Transport Applications (	RSD-TRANS	Sira Ltd	IP	United Kingdom
58	Health and Safety Promotion in the Catching Sector of the Fishing Industry.	H&S IN FISHING	Research Unit of Maritime Medicine, University of Southern Denmark, Esbjerg	IP	Denmark
59	High Performance Surface Transport	HIPSTRA	Atkins Rail	IP	United Kingdom
60	Human health in and Outside of puBlic and prIvate Transportation	HOBIT	Institute of Communications and Computer Systems of National Technical University of Athens (ICCS/NTUA)	IP	Greece
61	Image Based Road Deformation Reporter	viRoad	Sibernetik Bilgi Teknolojileri Ltd.	IP	Turkey
62	Image processing as an assessment tool	IMAGE	Department of Society and Technology, Lund University, Lund, Sweden	IP	Sweden
63	Improve Road Safety of Coach Drivers and Passengers through technology	Christopher	CeTIM, Center for Technoloy and Innovation Management	IP	Netherlands
64	Improved Efficiency for the Inland Waterway Transport	EFFIWAYT	Versuchsanstalt für Binnenschiffbau e.V. Duisburg - VBD	IP	Germany
65	Improvement of traffic information services by satellite based remotesensing	Traffic information	Theis Consult	IP	Germany
66	Improving the safety of road tunnels by modelling and simulation	RT-SAFE:M&S-A	Università degli Studi di Firenze	NoE	Italy
67	Increased interior safety through use of advanced high-energy absorbing structures	InSafe	Caran Automotive AB	IP	Sweden
68	Increasing safety and reliability of secondary roads for a sustainable surface transport	ISEREST	PROGIN Spa	IP	Italy
69	Influence of transport caused vibrations on structures and inhabitants	bytrans comfort&safe	Wroclaw Univ. of Technology, Institute of Civil Eng. Structural Dynamic Department	NoE	Poland
70	INFOMOBILITY FOR MULTIMODAL URBAN AND MOTORWAY TRAFFIC	INFO M U M	SINA S.p.A	IP	Italy
71	INITIATIVE FOR INTELLIGENT HIGHWAYS ACROSS EUROPE	INITIATIVE	UNIVERSITY OF SOUTHAMPTON	NoE	United Kingdom
72	Innovation Network for European Maritime Competitiveness	INEMC	The Institute of Shipping Analysis	IP	Sweden

73	Innovative Railway System for the Automated Demand-driven Cargo Transport in Europe.	IRADTE	Heinz Nixdorf Institute, University of Paderborn, Germany	IP	Germany
74	Innovative Testing Technologies and Monitoring Systems to Improve the Sustainability and Safety of Rail Transport Infrastructures	Safe Rail	B.R.E.	IP	United Kingdom
75	Integrated Evaluation, Simulation, Testing and Treatment of Head Impact Trauma	ISETHIT	Cranfield Impact Centre Ltd.	IP	United Kingdom
76	Integrated Management and Services of Logistics Networks	IMaSLogNet	University of Paderborn	IP	Germany
77	Integrated Models of Passenger Comfort	MOPASC	Institute of Sound and Vibration Research, University of Southampton	NoE	United Kingdom
78	IP on Advanced Protection Systems	APS	TNO Automotive	IP	Netherlands
79	IP:The Human Element in Maritime Safety	HELMS	Risoe National Laboratory	IP	Denmark
80	INTEGRATED SAFETY AND RELIABILITY TRANSPORT MANAGEMENT SYSTEM	ISARTMS	GDYNIA MARITIME UNIVERSITY	IP	Poland
81	Integrated Safety for Agricultural & Earthmoving Machines	OFF-HIGHWAY SAFETY	Centro Ricerche FIAT SCpA	IP	Italy
82	Integrated Systems for Intelligent Road Traffic Management	INTEGRAL.NET	EURO Working Group Transportation	NoE	Italy
83	Integrating communication among hubs terminals and interports	HECTOR	Center for Research on the Applications of Telematics to Organizations and Society (CRATOS) - Università Cattolica del Sacro Cuore - Sede di Piacenza	IP	Italy
84	Intelligent Systems for Vehicle Safety	ISYS	INSIA-Universidad Politécnica de Madrid, SPAIN	NoE	Spain
85	Intelligent transport systems	intrans	RWTH Aachen; Forum 'Technology and Society' (supported by UNITECH International Society)	IP	Germany
86	Intelligent vehicles and transport systems for safer and more efficient transport	AVC-ITS 2010	TNO Automotive	IP	Netherlands
87	Intermodal Freight Transport and Logistics Network of Excellence	INTERFLOW	Center for Research & Technology Hellas/ Hellenic Institute of Transport (CERTH/HIT)	NoE	Greece
88	Intermodality as Integrative Part of Transport Logistics	INTERMODE	Mettle Groupe Sarl	IP	France
89	INTERNATIONAL SURVEILLANCE OF SEAFARER´S HEALTH AND WORKING ENVIRONMENT	Maritime H&S	Research Unit of Maritime Medicine, University of Southern Denmark, Esbjerg	IP	Denmark
90	Knowledge Based Integrated Safe Ship Accommodation Design	KBISSAD	Istanbul Technical University (ITU)	IP	Turkey
91	KNOWLEDGE BASED REDISTRIBUTION SYSTEMS	REDIS	BIBA	IP	Germany
92	Legal analysis of Success of the European Reorganisation of Transport- and Traffic Markets	Legal Analysis	Chair of European Transport- and Traffic Law,University of Mannheim	NoE	Germany
93	Life Cycle Evaluation to Sustain Surface Transport Infrastructure	Life Cycle	BAM Bundesanstalt für Materialforschung und -prüfung Division IV.4 - Non-Destructive Damage Assessment and Environmental Measurement Methods	IP	Germany

94	Lifelong learning in the field of Traffic Education	“Traff-Ed”	CIECA (Commission internationale des Examens de Conduite Automobile)	NoE	Netherlands
95	Linking Europe by optimising mobility, transport, infrastructure and fees	LEOMOTIF	University of Stuttgart Centre of Transportation Research (FOVUS)	NoE	Germany
96	Magnetic Levitation Train Transrapid to link all important European regions.		University of Kassel Institute of Traffic Engineering and Transport Management	IP	Germany
97	Managing the risks in ice-bound and arctic shipping	RISKICE	Ship Laboratory, Helsinki University of Technology	NoE	Finland
98	Material Technologies for Safe Passenger Transport Interiors	MATSTRAIN	ARRC	IP	United Kingdom
99	Material Technologies for Safe Passenger Transport Interiors	MATSTRAIN	ARRC	IP	United Kingdom
100	Maximising rail combined transport efficiency through practically implementable technology	COMBISTRECH	TEKELEC/ST2E	IP	France
101	Maximising rail combined transport efficiency through practically implementable technology	COMBISTRECH	TEKELEC-SYSTEMES	IP	France
102	Minimising long-term railway track deterioration and track maintenance	LongTrackLife	Linkoeping University, Solid Mechanics/IKP	IP	Sweden
103	MODULAR EUROPE	MODULAR EUROPE	DANISH STANDARD	IP	Denmark
104	Multi Criterial Initial Design and Optimization of Ship Concept Solutions	MULDESSOL	Technical University - Varna	IP	Bulgaria
105	Neptune – Network of Education and Training Institutions in Europe	NEPTUNE - NET	NEPTUNE a.s.b.l.	IP	Belgium
106	Network Capacity Management of Railways	NCMRAIL	Delft University of Technology	NoE	Netherlands
107	NoEin Research on Vehicle Routing	VRPNet	SINTEF Applied Mathematics	NoE	Norway
108	NoEon Existing Steel Bridges	NEXT-STEB	Technical Committee 6 “Fatigue” of the European Convention For Constructional Steelwork (ECCS)	IP	
109	New generation of profiling fin stabilizers for improvementshipuncapsize safety	DANMAKshipstabilizer	DANMAK --- INNOVATION BUSUNESS TRADE (high-techn.) (private form)	IP	Poland
110	New Optimized Integrated Condition Based Inspection and Maintenance Strategies for Safe(Infra)Structures in Europe	NOICIS	Bureau Veritas	IP	France
111	New Waste Management Logistic in Urban Areas		TECHNICATOME	IP	France
112	PASSENGER CONGESTION MODELLING AND PUBLIC SPACE PLANNING RESEARCH	-	RAILTRACK PLC	IP	United Kingdom
113	Passenger Rescue Systems for Funicular Railways	PRSF	Hauptverband der gewerblichen Berufsgenossenschaften, Berufsgenossenschaftliches Institut für Arbeitssicherheit, Berufsgenossenschaft der Straßen-, U-Bahnen und Eisenbahnen	IP	Germany
114	Production and sea borne transport of compressed natural gas	CNG SHUTTLE	Det Norske Veritas AS	IP	Norway

115	Promoting better Attitude and behaviour to road Traffic Risk in Europe	PATRE	INRETS, Institut national de recherche sur les transports et leur sécurité	NoE	France
116	PROTECTION AGAINST CONSEQUENCES OF MOTORIZATION GROWTH - ENVIRONMENTAL FRIENDLY VEHICLES	PACEMGEFV	Instytut Pojazdów, Politechnika Lódzka(Vehicle Research Institute, TU Lódz)	IP	Poland
117	Quantification of transport externalities	TRANSPEX	University of Stuttgart	IP	Germany
118	Rapid Transport by Energy-Efficient RO-RO's.	ENERSAVERORO	Istanbul Technical University (ITU)	IP	Turkey
119	Realisation of Intelligent Speed Adaptation	RISA	European Working Group on Speed Control	IP	United Kingdom
120	Reducing Costs and Developing New Railway Braking Systems and Technologies	RailBrakeTech-1	BRUNEL UNIVERSITY	IP	United Kingdom
121	Reliability of Advanced Power Integrated Electrical System for Traction Application	RAPIESTA	INRETS	NoE	France
122	RIS-Spatial Information Portal to contribute to safety, efficiency and to create extra opprtunities	RIS-Spatial Portal	Chartworx-Holland B.V.	IP	Netherlands
123	Road Accident Investigation Manual	AIM	NEA Transport research and training	IP	Netherlands
124	Road Infrastructure Safety Protection – Core-Research and Development for Road Safety in Europe	RIPCoRD	Federal Highway Research Institute (BASt)	IP	Germany
125	ROAD SAFETY AS INTEGRAL FACTOR OF A SUSTAINABLE DEVELOPMENT OF TERRITORY	ROSAFERT	POLITECNICO DI BARI DEPARTMENT OF ROADS AND TRANSPORTATIONS	IP	Italy
126	Road Safety as Integral Factor of a Sustainable Development of Territory	ROSAFERT	Politecnico di Bari - Department of Roads and Transportations	IP	Italy
127	Road Traffic Active Safety based on Satellite	RTASS	Isdefe, S.A.	IP	Spain
128	Roadside Safety	RoSa	Politecnico di Milano	NoE	Italy
129	RTD for a Proactive Maritime Safety Policy	PROACTIVE	NATIONAL TECHNICAL UNIVERSITY OF ATHENS	IP	Greece
130	Safe Transport of Hazardous Goods	SATRANS-GO	arsenal research	IP	Austria
131	Safe, comfortable, energy-efficient rail transport in tunnels	SAFETUN	University of Dundee	IP	United Kingdom
132	SAFETY IN INNOVATIVE WATER TRANSPORT SYSTEMS AND STRUCTURES	SAFETRANS	Technical University of Szczecin	IP	Poland
133	Safety & Efficiency Advances in Maritime Operations for Reliable Transport	SEAMORE	Det Norske VeritasOn behalf of the members in THEMES, ADVANCES and TREESHIP thematic networks	NoE	Norway
134	Safety and security in guided transport systems	SAGES	INRETS	NoE	France
135	Safety in transport systems	SAFITRANS	SP Swedish National Testing and Research Institute	IP	Sweden
136	Safety of Marine Operations and Automated, Short-term Weather Forecasting	SAFE_MO_FCASTING	P A F A Consulting Engineers	IP	United Kingdom
137	Safety, Effectiveness and Competitiveness, the Underbody of Roads in Europe	SECURE	CITA	IP	Belgium

138	Securing the sea-container shipping system	Seacurity	RAND Europe	IP	Netherlands
139	Sequential Pressure Relief Dynamic Car-Driver Seat	SPR Dynamic Seat	Medogar Technologies (1991) Ltd.	IP	Israel
140	Sharing movement between car and people: technology and design of roads and open space	Smartroads	Planum	IP	Italy
141	Ship Operation and Security	SOS	British Maritime Technology Limited	IP	United Kingdom
142	Space/Galileo - Traffic Management User Terminal	TMUT	GCE - General Consulting and Engineering	IP	Italy
143	Stability Criteria for the Prevention of Ship Capsize and Application to Small Vessels		Yildiz Technical University	IP	Turkey
144	Start-Track: Applying a Linear Motor for Track Capacity Increase		ARCADIS Infra BV	IP	Netherlands
145	Strategic Transport Planning in a Political Decision-making Context	STRATPLAN	Institute of Transport Economics (TOI)	IP	Norway
146	Strengthening regional cohesion through integrated transport modes	RECITRAM	Technical University - Varna	IP	Bulgaria
147	Strengthening regional cohesion through integrated transport modes	RECITRAM	Maritime Institute	IP	Poland
148	STRUCTURAL INTEGRITY AND MATERIALS RELIABILITY – DESIGN OPTIMIZATION FOR TRANSPORTATION SYSTEMS	SIMART	Ecole Nationale Supérieure des Arts et Métiers (E.N.S.A.M.)	NoE	France
149	SUpport instruments to Maritime Operation management	SUMO	FIT Consulting srl	IP	Italy
150	Sustainable and safety road transport	SUROT	University of Zilina, Faculty of Civil Engineering	IP	Slovakia
151	Sustainable Existing Bridges: Assessment for Future Traffic Demands / Longer Lives	Sustainable Bridges	The Swedish Consortium for Roads - Bridges - Tunnels	IP	Sweden
152	Sustainable freight transport & logistics solutions for EU enlargement	STRALOS	Maritime Institute	IP	Poland
153	Sustainable Management Of Surface Transport Infrastructures	SMOSTI	Laboratoire Central des Ponts et Chaussées (LCPC)	IP	France
154	Sustainable Safety Enhancement of Rail Traffic by Intelligent Train Monitoring	SERT	Fraunhofer-Gesellschaft, Einrichtung fuer Akustische Diagnose und Qualitaetssicherung	IP	Germany
155	Sustainable TRAnsport & LOgistics Solutions for EU Enlargement and PAN-European Network (STRALOS)	STRALOS	Fraunhofer Gesellschaft - Fraunhofer Arbeitsgruppe Technologien der Logistikwirtschaft (ATL)	IP	Germany
156	Systematic Management of Road Safety Measures	SYMARS	SINTEF Civil and Environmental EngineeringDepartment of Roads and Transport	IP	Norway
157	The security of maritime transport	SECUMAR	Netherlands Organisation for Applied Scientific Research (TNO)	IP	Netherlands
158	The Use of Harmonised FSA for the Improvement of Maritime Safety in Europe	EMSFSA	VTT Technical Research Centre of Finland	IP	Finland
159	Tilting trains for an attractive rail network	TILTNET	Swedisk National Road and Transport research Institite (VTI)	NoE	Sweden

160	Tools for Improving Vehicle Availability, Reliability and Safety	SAFECAR	Monet NoEon Model-based Systems and Qualitative Reasoning - Automotive Task Group	IP	Italy
161	Tools for Optimising Ship/Port Interface Concepts	TOSPIC	SINDEL S.r.l.	IP	Italy
162	Traffic Safety Epidemiology Data Network	SafetyNet	Vehicle Safety Research Centre, Loughborough University	IP	United Kingdom
163	TRANSPORT LOGISTICS OPERATION for Italy Northeast SMEs	TRANS.LOG.O	Istituto Universitario di Architettura di Venezia - IUAV [Architecture University of Venice] - Dipartimento di Urbanistica [Town and Land Planning Departemen]	IP	Italy
164	TRANSPORT LOGISTICS OPERATION for Italy Northeast SMEs	TRANS.LOG.O	Istituto Universitario di Architettura di Venezia - IUAV [Architecture University of Venice] - Dipartimento di Urbanistica [Town and Land Planning Departemen]	IP	Italy
165	Travel time unified estimation and services	TRUST	SOCIEDAD IBERICA DE CONSTRUCCIONES ELECTRICAS S.A. (SICE)	IP	Spain
166	Truck of the Future: Freight Evolution in Europe	TOFFEE	Michelin	IP	France
167	Underground transport and facilities	UNDERGROUND	Belgian Building Research Institute, BBRI	NoE	Belgium
168	Usage Related Availability and Safety of Railway Structures	UseRailStruc	Fraunhofer-Institute of Structural Durability (LBF)	IP	Germany
169	Vehicle Dynamics Control Systems for Driver Safety and Comfort	VDCSAFECAR	Automotive Controls Research Group (Automation Lab)	NoE	Turkey

Linkliste Europa

Links zu Informationen über EU Programme

Transport Research Knowledge Centre	http://europa.eu.int/comm/transport/extra/

Zweites Forschungsrahmenprogramm (1987 – 1991)

DRIVE I	http://www.cordis.lu/telematics/tap_transport/research/16.html

Drittes Forschungsrahmenprogramm (1990 – 1994)

DRIVE II	http://www.cordis.lu/telematics/tap_transport/research/15.html http://europa.eu.int/comm/energy_transport/atlas/html/body_ttechdcrtdd.html

Viertes Forschungsrahmenprogramm (1994 – 1998)

Viertes Forschungsrahmenprogramm 1994-1998	http://www.cordis.lu/de/src/f_002_de.htm http://www.cordis.lu/transport/home.html
Liste der Projekte des Programms ‚Transport' der DG TREN - **strategic research** - **rail transport** - **integrated transport** - **air transport** - **urban transport** - **waterborne transport** - **road transport**	http://www.cordis.lu/transport/src/project.htm http://www.cordis.lu/transport/src/strat.htm http://www.cordis.lu/transport/src/rail.htm http://www.cordis.lu/transport/src/integrat.htm http://www.cordis.lu/transport/src/air.htm http://www.cordis.lu/transport/src/urban.htm http://www.cordis.lu/transport/src/water.htm http://www.cordis.lu/transport/src/road.htm
Projekte des Telematics Applications Programme – TAP Concertation and Achievements Report of the Transport Sector	http://europa.eu.int/comm/transport/themes/network/english/its/html/index.html
Key Reports and Documents from the TAP-Transport Sector (4 FP)	http://www.cordis.lu/telematics/tap_transport/keydocuments.htm

Evaluationen von Projekten des vierten Forschungsrahmenprogramms

CARTS (TAP-Projekte)	http://www.trg.soton.ac.uk/rosetta/carts.pdf
Key Reports and Documents from the TAP-Transport Sector (4. RP)	http://www.cordis.lu/telematics/tap_transport/keydocuments.htm
Telematics Applications for Transport – Project Summaries - RED BOOK	http://europa.eu.int/comm/transport/themes/network/english/its/html/its_activities.html http://www.cordis.lu/telematics/tap_transport/research/11d.html
Telematics Applications for Trans port – Project Summaries-GOLD BOOK	ftp://ftp.cordis.lu/pub/telematics/docs/tap_transport/gold.pdf *(Zugang über http://www.cordis.lu/telematics/tap_transport/research/11c.html)*
Deployment Information	http://www.cordis.lu/telematics/tap_transport/deployment/50.htm

EXTRA – Thematic Papers **(Programm 'TRANSPORT')** • Integrated policy aspects of sustainable mobility • Environmental aspects of sustainable mobility • Economic aspects of sustainable mobility • Social aspects of sustainable mobility • Urban transport • Efficiency and quality • Safety and security • Human factors • Interoperability • Freight intermodality	• http://europa.eu.int/comm/transport/extra/thematic_papers.html • http://europa.eu.int/comm/transport/extra/sustainable_int.pdf • http://europa.eu.int/comm/transport/extra/sustainable_env.pdf • http://europa.eu.int/comm/transport/extra/economic_aspects.pdf • http://europa.eu.int/comm/transport/extra/social_aspects.pdf • http://europa.eu.int/comm/transport/extra/urban_transport.pdf • http://europa.eu.int/comm/transport/extra/efficiency_quality.pdf • http://europa.eu.int/comm/transport/extra/safety_security.pdf • http://europa.eu.int/comm/transport/extra/human_factors.pdf • http://europa.eu.int/comm/transport/extra/interoperability.pdf • http://europa.eu.int/comm/transport/extra/freight.pdf

Fünftes Forschungsrahmenprogramm (1998 – 2002)

Fünftes Forschungsrahmenprogramm 1998-2002	http://www.cordis.lu/fp5/home.html
Programm 'Wettbewerborientiertes und nachhaltiges Wachstum' - GROWTH	http://www.cordis.lu/growth/home.html
Im Rahmen von GROWTH geförderte Projekte	http://www.cordis.lu/growth/src/projects.htm http://www.cordis.lu/growth/src/proj-fp5.htm
Programm GROWTH: Veröffentlichungen	http://www.cordis.lu/growth/src/library.htm
Programm 'Energie, Umwelt und nachhaltige Entwicklung' - EESD	http://www.cordis.lu/eesd/home.html
Projekte des Programms EESD	http://www.cordis.lu/eesd/src/projects.htm

Sechstes Forschungsrahmenprogramm (2002 – 2006)

Sechstes Forschungsrahmenprogramm 2002-2006	http://fp6.cordis.lu/fp6/home.cfm
Expression of Interest	http://eoi.cordis.lu/

Datenbanken und Web-Dienste

Cordis - Informationen zu Programmen und Projekten (Suchmaschine)	http://www.cordis.lu/de/src/d_001_de.htm http://dbs.cordis.lu/DE_GLOBALsearch.html
SURBAN - database on Sustainable urban development in Europe (enthält u.a. Fallstudien zum Thema Verkehr)	http://www.eaue.de/winuwd/list.htm
LEDA - Legal and regulatory measures for sustainable transport inCities	http://www.ils.nrw.de/netz/leda/

Ausgewählte Veröffentlichungen zur EU-Forschungspolitik

White Paper - July 1998, **"Fair payment for infrastructure use: a phased approach to a common transport infrastructure charging framework in the EU"**	http://europa.eu.int/comm/transport/infr-charging/library/lb98-en.pdf
Grünbuch der Europäischen Kommission **"Das Bürgernetz; Wege zur Nutzung des Potentials des öffentlichen Personenverkehrs in Europa"**	http://europa.eu.int/en/record/green/gp001de.pdf
December 1995, Green Paper – **"Towards Fair and Efficient Pricing in Transport Policy – Options for internalising the external cost of transport in the European Union"**	http://europa.eu.int/en/record/green/gp003de.pdf
White Paper 2001 **"European transport policy for 2010: time to decide"**	http://europa.eu.int/comm/energy_transport/library/lb_texte_complet_en.pdf
Weißbuch 2001 **"Die europäische Verkehrspolitik bis 2010: Weichenstellungen für die Zukunft"**	http://europa.eu.int/comm/energy_transport/library/lb_texte_complet_de.pdf
Weißbuch: Die europäische Verkehrspolitik bis 2010 – Weihenstellungen für die Zukunft – Zusammenfassung der Gesetzgebung	http://europa.eu.int/scadplus/leg/de/lvb/l24007.htm
Preisgestaltung: Interoperabilität der Systeme zur elektronischen Gebührenerhebung in Europa – Zusammenfassung der Gesetzgebung	http://europa.eu.int/scadplus/leg/de/lvb/l24214.htm
COURIER - Cross-border Operation and User Requirements for Information Exchange Review Cross Boundary Traffic Information Exchange Desk Top Model	http://members.traffic-wales.com/courier/top.pdf

Sonstige Veröffentlichungen

„Aspekte zukünftiger Mobilität"; dort die Kapiteln 7 und 8!!!	http://www.sfz.de/pdf/wb25.pdf
Reinhart D. Kühne: „Verkehrsinformationssysteme"	http://elib.uni-stuttgart.de/opus/volltexte/2001/776/
Discussion Paper on the Role of Information Technologies OECD-Paper, June 1999	http://www1.oecd.org/cem/UrbTrav/Workshops/PublicTr/AthECMT.pdf
Urban road pricing acceptance (IMPRINT EUROPE**)**	http://www.imprint-eu.org/public/Bjorn.pdf
Car insurance per km Texas, USA	http://www.centspermilenow.org/
Das dynamische Verkehrsleitsystem Beispiele für Holland und Großbritannien	http://www.viaberlin.de/viainhalt/projekte/99330_ab3_expertise.pdf
Akronyme - Ein kompaktes Wörterbuch der Begriffe aus dem Bereich Forschungs- und Entwicklungsmaßnahmen der Europäischen Union.	http://dbs.cordis.lu/search/de/simple/DE_ACRO_simple.html
Telematics Applications for Transport – weiterführende links	http://www.cordis.lu/telematics/tap_transport/otherlinks.htm
Akzeptanz einer nachhaltigen Verkehrspolitik im politischen Prozess Deutschland, Niederlande und Schweiz im Vergleich	http://www.nfp41.ch/reports/projects/kf-d13.html

Organisationen

ECMT	European Conference of Ministers of Transport	http://www1.oecd.org/cem/index.htm
OECD	Organisation for Economic Co-operation and Development	http://www.oecd.org/home/
	OECD Road & Intermodal Linkages RTD Programme	http://www.oecd.org/transport
EMTA	European Metropolitan Transport Authorities	http://www.emta.com/
	Traffic Calming Information Center Information on Traffic Calming Measures (USA and international)	http://www.trafficcalming.org
PIARC	World Road Association	http://www.piarc.lcpc.fr/index-e.htm
UITP	International Association of Public Transport	http://www.uitp.com/home/index.cfm
EUROCITIES	Association for integrated urban policies at all levels in Europe	http://www.eurocities.org/masterIndex.html
CITELEC	Association of european cities interested in electric vehicles	http://www.citelec.org/
CEN	Comité Européen de Normalisation European Committee for Standardization	http://www.cenorm.be/default.htm

ITS – Intelligent Transportation Systems

Übersicht	http://europa.eu.int/comm/transport/themes/network/english/its/html/index.html
Einführung	http://europa.eu.int/comm/transport/themes/network/english/its/html/introduction.html
Vision & Politik	http://europa.eu.int/comm/transport/themes/network/english/its/html/vision_policy.html
Harmonisierung	http://europa.eu.int/comm/transport/themes/network/english/its/html/harmonisation.htm l
Anwendungsgebiete von ITS	http://europa.eu.int/comm/transport/themes/network/english/its/html/introduction_applications.html

Veröffentlichungen dazu:

First recommendation on the development of a legal and business framework for participation of the private sector in deploying telematics-based traffic and travel information (TTI) services in Europe (July 2001)	http://europa.eu.int/comm/transport/themes/network/english/its/pdf/tti.pdf
Commission Recommendation on the development of a legal and business framework for participation of the private sector in deploying telematics-based Traffic and Travel Information (TTI) services in Europe (4 July 2001)	http://europa.eu.int/comm/transport/themes/network/english/its/pdf/tti.pdf
Discussion Paper on the Role of Information Technologies ECMT/OECD Workshop Juni 1999	http://www1.oecd.org/cem/UrbTrav/Workshops/PublicTr/AthECMT.pdf

ITS-Architektur

FRAME	**Nationale ITS Organisationen und ITS Architektur**	http://www.frame-online.net/links.htm
ITS America	**ITS Architecture**	http://www.itsa.org/architecture.html
Australien	**National ITS Reference Architecture**	http://www.itsa.uts.edu.au/architecture.html
ITS Austria	**Verkehrstelematikinitiative Österreich**	http://www.its-austria.info/
Kanada	**ITS Architecture for Canada**	http://www.its-sti.gc.ca/en/static/content.htm
Niederlande	**Dutch Regional Architecture for Traffic Control**	http://www.minvenw.nl/rws/avv/avb
Japan	**ITS On-Board System Architecture** **System Architecture for ITS in Japan**	http://www.jsk.or.jp/saindex.html http://www.vertis.or.jp/e-sa/index.html
Taiwan	**Taiwan ITS System Architecture**	http://www.iot.gov.tw/its/HTML/sa/index.htm
USA	**US National ITS Architecture**	http://www.odetics.com/itsarch
Frankreich	**ACTIF – Architecture Cadre pour le Transport Inteligent en France**	http://www.its-actif.org/

Links zu ausgewählten EU-Projekten und Projektverbünden

COST

Europäische Zusammenarbeit auf dem Gebiet der wissenschaftlichen und technischen Forschung – (Mitglieder: vor allem europäische Länder); Liste der bereits abgeschlossenen und laufenden Projekte; Stand: 2001	http://www.cordis.lu/cost-transport/home.html http://www.cordis.lu/cost-transport/src/2com_act.htm (completed projects) http ://www.cordis.lu/cost-transport/src/2und_act.htm (projects underway) http://www.cordis.lu/cost-transport/src/2pre_act.htm (planned projects)

TEMPO –Trans-European intelligent transport systeMs PrOjects m(2001-2006)

		Teilnehmende Staaten
TEMPO Beschreibung des Programms	http://europa.eu.int/comm/transport/themes/network/english/its/html/its_activities_mip.htm	**EU**
VIKING	http://www.viking.ten-t.com/ http://europa.eu.int/comm/transport/themes/network/english/its/html/its_activities_mip.html	Germany, Denmark, Finland, **Norway**, **Sweden**
SERTI Southern European Road Telematics Implementation	http://www.serti-mip.org http://europa.eu.int/comm/transport/themes/network/english/its/html/its_activities_mip.html	Andorra, Switzerland, Germany, Spain, France, Italy
STREETWISE Seamless TRavel Environment for Efficient Transport in the Werstern Isles of Europe	http://www.traffic-wales.com/links/streetwise.htm http://www.streetwise.ten-t.com http://www.nra.ie/Transportation/IntelligentTransportationSystems/STREETWISE/ http://www.ivv-aachen.de/mosaic/index.html	England and Ireland
CORVETTE Co-ordination and Validation of the Deployment of Advanced Transport Telematics in the Alpine Area	http://www.eu-corvette.com http://europa.eu.int/comm/transport/themes/network/english/its/html/its_activities_mip.html	Austria, Switzerland, Germany, Italy
ARTS Advanced Road Telematics in the Southwest	http://www.arts-mip.org http://europa.eu.int/comm/transport/themes/network/english/its/html/its_activities_mip.html	Portugal, Spain and France
CENTRICO Central European Region Transport Telematics Implementation Project	http://www.itsproj.com/centrico/index.html http://europa.eu.int/comm/transport/themes/network/english/its/html/its_activities_mip.html	Belgium, Germany, France, Luxembourg, Netherlands, United Kingdom

Civitas - Projekte des fünften Forschungsrahmenprogramms „Competitive and Sustainable Growth“(1998-2002)

		Teilnehmende Städte
CIVITAS Cleaner and better Transport in Cities	http://www.civitas-initiative.org/civitas/html/about.htm	
GUIDEMAPS supporting decision-making and overcoming barriers	http://www.rwth-aachen.de/guidemaps	
MIRACLES Reducing energy consumption, noise and air pollution by combining innovation, technology, and policies	http://www.miraclesproject.net	Rom (IT), Barcelona (ES), Winchester (UK), Cork (IE)
TRENDSETTER ameliorate urban air quality, noise levels and congestion while supporting exceptional mobility and urban quality of life through : • Advanced mobility management schemes • Promoted use of public and shared transport • Improved goods logistics and efficiency • Increased use of low-noise and low emission vehicles	http://www.trendsetter-europe.org	Graz (AT), Lille (FR), Pecs (HU), Prag (CZ), Stockholm (SE)
VIVALDI demonstrating an integrated package of innovative transport strategies and measures and to assess their contribution to improving the four key urban policy goals of • Urban vitality and economic success • Social inclusion • The health and well-being of the citizens • Sustainability	http://www.vivaldiproject.org	Aalborg (DK), Bremen (DE), Bristol (GB), Kaunas (LIT), Nantes (FR)
TELLUS increasing the modal share in favour of public transport, bicycle use, reducing congestion, traffic related air and noise pollution , improvement of public private co-operation (under others)	http://www.tellus-cities.net	Rotterdam (NL), Bucharest (RO), Gdynia (PL), Berlin (DE), Göteborg (SE)

Preisliche Maßnahmen - Transport Pricing Net

Transport Pricing Net		http://www.transport-pricing.net/
• **CUPID**	A thematic network for disseminating state of the art information about urban transport pricing and best practice based on the PRoGREss demonstrations	http://www.transport-pricing.net/cupid.html
• **PROGRESS**	A project to demonstrate and evaluate the effectiveness and acceptance of integrated urban transport pricing schemes to achieve transport goals and raise revenue	http://www.progress-project.org
• **EUROPRICE**	A project which fosters debate and support at the political level and provides a focus for city/regional issues in the debate.	http://www.europrice-network.org
• **IMPRINT EUROPE**	A thematic network which sets out to promote the implementation of fair and efficient transport pricing.	http://www.imprint-eu.org
• **MC ICAM**	A research project which examines policy reform in the pricing of transportation.	http://www.mcicam.net
• **DESIRE**	A research project designed to assess, through the development of realistic case studies, the prospects for inter-urban road pricing in Europe Projektveröffentlichungen	http://www.tis.pt/proj/desire.htm http://www.tis.pt/proj/Desire/6a.htm

LEDA (1998 – 1999)

(Projekt des vierten Forschungsrahmenprogramms, Programm ‚TRANSPORT', Unterprogramm ‚städtischer Verkehr' – Verkehrsmanagement)

Legal and regulatory measures for sustainable transport in Cities	http://www.ils.nrw.de/netz/leda/
Gesetzliche und regulative Rahmenbedingungen auf nationaler Ebene	http://www.ils.nrw.de/netz/leda/pdf/dv1-main.pdf
Beschreibung der 20 effektivsten und innovativsten Maßnahmen	http://www.ils.nrw.de/netz/leda/pdf/dv3-main.pdf
Analyse der Übertragbarkeit der 20 Maßnahmen auf andere Länder	http://www.ils.nrw.de/netz/leda/pdf/dv4-main.pdf
Überblick über die nationalen bzw. regionalen rechtlichen und ordnungspolitischen Rahmenbedingungen und Zuständigkeitsbereiche	http://www.ils.nrw.de/netz/leda/deliverable.htm#dev1
Mobility '99; Sustainable Mobility in Cities New Strategies for Legal and Regulatory Measures	http://www.ils.nrw.de/netz/leda/new_mobility.htm

Sonstige Projekte

MOVE	Mobilitätsmanagement Integrated mobility services for commuters: ride sharing, parking management, Car-Sharing as a guaranteed-ride-home for ride-sharers and users of public transport; consultancy for employers Projekt im Rahmen von Life I (1992-1995) Rahmenbedingungen für eine umweltorientierte Mobilität im Berufsverkehr in ausgewählten Ländern: Großbritannien, Niederlande, Italien, Dänemark sowie Exkurs: Kalifornien, USA	http://www.move-bremen.org/index_d.html http://www.service-bremen.com/move/int_deu.pdf
ATLAS	Projekt des 4. Forschungsrahmenprogramms non nuclear energy programme (demonstration component 'THERMIE') Bereich Verkehr Verkehr und Verkehrsmanagement: • Priorität für den öffentlichen Personenverkehr • Erhöhung der Besetzungszahl der Fahrzeuge • Intermodaler Verkehr • Optimierung des öffentlichen Raums • Beeinflussung der Verkehrsnachfrage von Berufstätigen (Pendler und Dienstfahrten) durch Telematik (z.B. Videokonferenzen, Telearbeitsplätze) Verkehr und Verkehrsmanagement	http://europa.eu.int/comm/energy_transport/atlas/ http://europa.eu.int/comm/energy_transport/atlas/html/transport.html http://europa.eu.int/comm/energy_transport/atlas/html/traffman.html http://europa.eu.int/comm/energy_transport/atlas/html/tmanint2.html http://europa.eu.int/comm/energy_transport/atlas/html/tmanint3.html http://europa.eu.int/comm/energy_transport/atlas/html/tmanint4.html http://europa.eu.int/comm/energy_transport/atlas/html/tmanint5.html http://europa.eu.int/comm/energy_transport/atlas/html/tmanint6.html http://europa.eu.int/comm/energy_transport/atlas/html/trafftech.html
TARGET	Travel Awareness Regional Groups for Environmental Transport • Mobility Management (Bremen) • Flexible Working • Pollution Reduction • Shopping and Leisure • Green Travel Plan • School Travel Plan • Cycling and walking EU-Projekt; Förderung durch das vom European Regional Development Fund - ERDF (http://europa.eu.int/comm/regional_policy/index_en.htm) geförderten Interreg II Programms, das UK Department of the Environment, Transport and the Regions (DETR) und Einrichtungen in Yorkshire and Humber, Bremen and Göteborg	http://www.eu-target.net/ http://www.eu-target.net/target1/workpackages/mobility.htm http://www.eu-target.net/target1/workpackages/flexible.htm http://www.eu-target.net/target1/workpackages/pollution.htm http://www.eu-target.net/target1/workpackages/shopping.htm http://www.eu-target.net/target1/workpackages/green.htm http://www.eu-target.net/target1/workpackages/school.htm http://www.eu-target.net/target1/workpackages/cycling.htm

Länderspezifische Informationen - Deutschland

Links zu Projekten und Informationen, deutsche Veröffentlichungen

Bundesministerium für Verkehr, Bau und Wohnungswesen	http://www.bmvbw.de/
Bundesministerium für Forschung und Technologie	http://www.bmbf.de/
Projektträger Mobilität und Verkehr TÜV-Akademie Rheinland GmbH - PT MVBW **-**	http://www.tuvpt.de
Umweltbundeamt	http://www.bmu.de/

Analyse der verkehrspolitischen Ziele in Deutschland (LEDA)	http://www.ils.nrw.de/netz/leda/deliverable.htm#dev1 http://www.ils.nrw.de/netz/leda/pdf/ax1-de.pdf
Kurzbeschreibung des deutschen Rechtssystems und der Zuständigkeit für Verkehr (LE-DA)	http://www.ils.nrw.de/netz/leda/deliverable.htm#dev1 http://www.ils.nrw.de/netz/leda/pdf/ax2-de.pdf
Verkehrsinformationszentrale Hessen	http://www.verkehr.hessen.de/hsvv/Portal_hsvv/index_ms.htm
Mobilitätsmanagement	http://www.eu-target.net/target1/workpackages/mobility.htm

Integriertes Forschungsprogramm des BMVBW für 2003/2004 (auch Themen der Verkehrsforschung**)**	http://www.bmvbw.de/Forschung-.606.htm
Deutsches Zentrum für Luft- und Raumfahrt **Schwerpunkt Verkehrsforschung**	http://www.dlr.de/dlr/Verkehr
Forschungs- und Anwendungsverbund Verkehrssystemtechnik Berlin **Forschungsnetz Mobilität und Verkehr** **Entwicklung der Region Berlin/Brandenburg zu einem Kompetenzzentrum für Mobilität und Verkehr, Schwerpunkt Telematik; 18 Projekte**	http://www.fav.de
FORVERTS – Forschungsverbund Verkehrs- und Transportsysteme **Bayerische Forschungsstiftung** **Sechs laufende Projekte : Mobilität, Verkehr und Logistiksysteme**	http://www.forverts.de
Deutsche Forschungsgemeinschaft – Sonderforschungsbereich **SFB 365, 403, 559 und Transregio; insgesamt 10 Projekte**	http://www.dfg.de/forschungsfoerderung/koordinierte_programme/sonderforschungsbereiche/

Mobilität in Ballungsräumen • **Berlin: CashCar** • **Dresden: intermobil** • **Frankfurt: WayFlow** • **Köln: stadtinfoköln** • **München: Mobinet** • **Stuttgart: mobilist**	http://www.mobiball.de/ • http://www.mobiball.de/projekte/cashcar.shtml • http://www.mobiball.de/projekte/intermobil.shtml • http://www.mobiball.de/projekte/wayflow.shtml • http://www.mobiball.de/projekte/stadtinfo.shtml • http://www.mobiball.de/projekte/mobinet.shtml http: //www.mobiball.de/projekte/mobilist.shtml

Mobilität besser verstehen Forschungsbereich des BMBF	http://www.mobev.de/
OVID - Stärkung der Selbstorganisationsfähigkeit im Verkehr durch I+K-gestützte Dienste (Verbundprojekt)	http://www.ovid.uni-karlsruhe.de/
Mobilitäts-Informations-Dienstleistungen	http://www.mobidienste.de/
Verkehrsmanagement 2010 (Projektskizze)	http://www.vm2010.de/ http://www.vm2010.de/pdf/bek_vm2010.pdf
invent	http://www.invent-online.de
Toll Collect	http://www.toll-collect.de/

Berlin	
Verkehr in Berlin (Senatsverwaltung für Stadtentwicklung)	http://www.stadtentwicklung.berlin.de/verkehr/index.shtml
Stadtverträglicher Verkehr	http://www.stadtentwicklung.berlin.de/verkehr/stadtverkehr/de/index.shtml
mobil 2010 – Mobilitätsprogramm 2006 des Stadtentwicklungsplanes Verkehr Zugang zu Publikationen	http://www.stadtentwicklung.berlin.de/planen/stadtentwicklungsplanung/de/verkehr/
Verkehrsmanagementzentrale Berlin - VMZ	http://www.vmzberlin.de/vmz/
CIVITAS-Initiative der EU zur Verbesserung des Verkehrs in den Städten (Projektvorschlag von Berlin – Göteborg)	http://www.berlinews.de/archiv/2176.shtml

In den Veröffentlichungen zum Projekt LEDA beschriebene Aktivitäten deutscher Städte

Aachen	http://www.ils.nrw.de/netz/leda/database/cities/city0096.htm
30 km/h zones in all residential areas	http://www.ils.nrw.de/netz/leda/database/measures/meas0341.htm
Restricting traffic in the city centre on Saturdays	http://www.ils.nrw.de/netz/leda/database/measures/meas0342.htm
Traffic calmed design for the main square	http://www.ils.nrw.de/netz/leda/database/measures/meas0343.htm
Residential parking permit areas	http://www.ils.nrw.de/netz/leda/database/measures/meas0344.htm
Developing bicycle priority streets	http://www.ils.nrw.de/netz/leda/database/measures/meas0345.htm
On-street bicycle lanes	http://www.ils.nrw.de/netz/leda/database/measures/meas0346.htm
Direct access bicycle routes to city centre	http://www.ils.nrw.de/netz/leda/database/measures/meas0347.htm

Bremen	http://www.ils.nrw.de/netz/leda/database/cities/city0080.htm
30 km/h zones and woonerven in residential areas	http://www.ils.nrw.de/netz/leda/database/measures/meas0186.htm
Traffic cells in residential areas near the city centre	http://www.ils.nrw.de/netz/leda/database/measures/meas0187.htm
Parking regulation in city and district centres	http://www.ils.nrw.de/netz/leda/database/measures/meas0188.htm
Enlarging the bicycle network	http://www.ils.nrw.de/netz/leda/database/measures/meas0189.htm
Priority for cyclists	http://www.ils.nrw.de/netz/leda/database/measures/meas0190.htm
Parking facilities for bicycles	http://www.ils.nrw.de/netz/leda/database/measures/meas0191.htm
Speeding up public transport	http://www.ils.nrw.de/netz/leda/database/measures/meas0192.htm
House and work areas with accessibility criteria	http://www.ils.nrw.de/netz/leda/database/measures/meas0193.htm
Mini-bus network	http://www.ils.nrw.de/netz/leda/database/measures/meas0630.htm

Erfurt	http://www.ils.nrw.de/netz/leda/database/cities/city0095.htm
Restricting traffic in city centre on Saturdays	http://www.ils.nrw.de/netz/leda/database/measures/meas0255.htm
30 km/h zones in city centre and residential areas	http://www.ils.nrw.de/netz/leda/database/measures/meas0256.htm
Residential parking permit areas	http://www.ils.nrw.de/netz/leda/database/measures/meas0257.htm
Opening pedestrian precincts to cyclists	http://www.ils.nrw.de/netz/leda/database/measures/meas0258.htm
Two-way bicycle traffic on one-way streets	http://www.ils.nrw.de/netz/leda/database/measures/meas0259.htm
Enlarge tram network and higher operation speeds	http://www.ils.nrw.de/netz/leda/database/measures/meas0260.htm

Heidelberg	http://www.ils.nrw.de/netz/leda/database/cities/city0079.htm
Pedestrianising the historic city centre	http://www.ils.nrw.de/netz/leda/database/measures/meas0271.htm
30 km/h zones in all residential areas	http://www.ils.nrw.de/netz/leda/database/measures/meas0272.htm
Parking regulation in the city centre	http://www.ils.nrw.de/netz/leda/database/measures/meas0273.htm
Residential parking permit areas	http://www.ils.nrw.de/netz/leda/database/measures/meas0274.htm
Integrating parking and mobility management (Bergheim district)	http://www.ils.nrw.de/netz/leda/database/measures/meas0275.htm
Speeding up public transport	http://www.ils.nrw.de/netz/leda/database/measures/meas0276.htm
Enlarging the bicycle network	http://www.ils.nrw.de/netz/leda/database/measures/meas0277.htm
Priority for cyclists	http://www.ils.nrw.de/netz/leda/database/measures/meas0278.htm
Building or assigning bicycle parking facilities	http://www.ils.nrw.de/netz/leda/database/measures/meas0279.htm
Children’s pedestrian network in residential area (Kirchheim)	http://www.ils.nrw.de/netz/leda/database/measures/meas0280.htm
Parking spaces for car sharing vehicles	http://www.ils.nrw.de/netz/leda/database/measures/meas0281.htm

Lemgo	**http://www.ils.nrw.de/netz/leda/database/cities/city0094.htm**
Implementing a new CityBus Network	**http://www.ils.nrw.de/netz/leda/database/measures/meas0286.htm**
Guidance of buses at the central station	**http://www.ils.nrw.de/netz/leda/database/measures/meas0287.htm**
Closing the city centre to through traffic	**http://www.ils.nrw.de/netz/leda/database/measures/meas0288.htm**
Bus/bicycle-only street	**http://www.ils.nrw.de/netz/leda/database/measures/meas0289.htm**
Residential parking in the historic city centre	**http://www.ils.nrw.de/netz/leda/database/measures/meas0290.htm**
Cycle roads, lanes and protection lanes	**http://www.ils.nrw.de/netz/leda/database/measures/meas0291.htm**
Guidance of cyclists at crossings and roundabouts	**http://www.ils.nrw.de/netz/leda/database/measures/meas0292.htm**

Ausgewählte Veröffentlichungen

CashCar: Der Bedeutungswandel des Privat-Automobils zum Kernmodul eines integrierten Verkehrsdienstleisters	http://www.wz-berlin.de/ow/inno/mobility/mobil_pro_ccar.de.htm
IuK-Technologien und Verkehr, Juni 1999	http://www.iid.de/ITundVerk/IT_und_Verk.html
Das dynamische Verkehrsleitsystem Messe/Stadion/ARENA in Nürnberg Ein innovatives Vorzeigeprojekt im internationalen Vergleich	http://www.viaberlin.de/viainhalt/projekte/99330_ab3_expertise.pdf
Beiträge des Verkehrssystem-Managements zum stadtverträglicheren Straßenverkehr Straßenbenutzungsabgaben, Zufahrtbeschränkung und elektrisch angetriebene Stadtautos im Vergleich, Berlin 2001	http://edocs.tu-berlin.de/diss/2000/nielsen_sven.pdf
Leitlinien für eine nachhaltige Mobilität (Veröffentlichung des Bundesumweltamtes)	http://www.bmu.de/files/leitlinien_nachh_mobi.pdf

Länderspezifische Informationen - Großbritannien

Links zu Projekten und Informationen, britische Veröffentlichungen

Department for Transport	http://www.dft.gov.uk/stellent/groups/dft_control/documents/homepage/dft_home_index.htm
Commission for Integrated Transport	http://www.cfit.gov.uk/reports/pfru/index.htm
Department of the Environment, Transport and the Regions (DETR)	http://www.detr.gov.uk

Analyse der verkehrspolitischen Ziele in UK;	http://www.ils.nrw.de/netz/leda/deliverable.htm#dev1 http://www.ils.nrw.de/netz/leda/pdf/ax1-uk.pdf
Kurzbeschreibung des britischen Rechtssystems und der Zuständigkeit für Verkehr;	http://www.ils.nrw.de/netz/leda/deliverable.htm#dev1 http://www.ils.nrw.de/netz/leda/pdf/ax2-uk.pdf
Transport Policy	http://www.dft.gov.uk/stellent/groups/dft_control/documents/contentservertemplate/dft_index.hcst?n=7882&l=1
Research Programmes of the Department for Transport	http://www.dft.gov.uk/stellent/groups/dft_control/documents/contentservertemplate/dft_index.hcst?n=6730&l=1 http://www.dft.gov.uk/stellent/groups/dft_science/documents/page/dft_science_504473.hcsp
Road Traffic	http://www.sustainable-development.gov.uk/indicators/regional/2002/h11.htm
Urban Traffic Management and Control	http://www.utmc.gov.uk/
Urban Traffic Management and Control - Projects	http://www.utmc.gov.uk/research/current.htm
Mobility Service Centres	http://www.mobiservice.org.uk/project_summary.htm
Verkehrsinformationszentrale Southampton ROMANSE	http://romanse.org.uk/
Verkehrsinformationszentrale Midlands MATTISSE	http://www.mattisse.org.uk/
National Drivers Information and Control System (Scotland)	http://www.nadics.org.uk/
South Wales Traffic Control Centre	http://www.traffic-wales.com/

London	
Transport for London	http://www.tfl.gov.uk/tfl/
Street Management	http://www.tfl.gov.uk/streets/
Parking Policies and Traffic Restraint in London	http://212.190.125.40/geddata/1999/03/25/00000011//e1203991.htm
Bus Priority at Traffic Signals Study	http://212.190.125.40/geddata/1999/03/25/00000018/e1203998.htm
Informationen zur Innenstadtmaut (Congestion Charging) aktuelle Pressemeldungen	http://www.cclondon.com/ http://www.tfl.gov.uk/tfl/press_cc_news_latest.shtml

In den Veröffentlichungen zu den Projekten LEDA (L) und PROGR€SS (P) beschriebene Aktivitäten britischer Städte

Edinburgh (L)	http://www.ils.nrw.de/netz/leda/database/cities/city0122.htm
Edinburgh's traffic situation and its activities in PROGR€SS (P)	http://www.progress-project.org/Progress/edin.html
20 mph (32 km/h) zones in residential areas (L)	http://www.ils.nrw.de/netz/leda/database/measures/meas0176.htm
Road pricing (L)	http://www.ils.nrw.de/netz/leda/database/measures/meas0177.htm
Car free housing development (L)	http://www.ils.nrw.de/netz/leda/database/measures/meas0178.htm
Green commuter plans (L)	http://www.ils.nrw.de/netz/leda/database/measures/meas0179.htm
Car sharing scheme (L)	http://www.ils.nrw.de/netz/leda/database/measures/meas0180.htm
Greenways (L)	http://www.ils.nrw.de/netz/leda/database/measures/meas0181.htm
Central area parking control (L)	http://www.ils.nrw.de/netz/leda/database/measures/meas0182.htm
Licensing accessible taxis (L)	http://www.ils.nrw.de/netz/leda/database/measures/meas0631.htm

Leeds (L)	http://www.ils.nrw.de/netz/leda/database/cities/city0089.htm
Bus/HOV (High Occupancy Vehicle) lanes (L)	http://www.ils.nrw.de/netz/leda/database/measures/meas0430.htm
City centre car parking policies (L)	http://www.ils.nrw.de/netz/leda/database/measures/meas0431.htm
East Leeds Quality Bus Initiative (L)	http://www.ils.nrw.de/netz/leda/database/measures/meas0432.htm
Guided bus lane (L)	http://www.ils.nrw.de/netz/leda/database/measures/meas0433.htm
Licensing accessible taxis (L)	http://www.ils.nrw.de/netz/leda/database/measures/meas0434.htm
20 mph (32 km/h) zones with physical measures (L)	http://www.ils.nrw.de/netz/leda/database/measures/meas0435.htm
City centre traffic management (L)	http://www.ils.nrw.de/netz/leda/database/measures/meas0436.htm
Safe Routes to Schools programme (L)	http://www.ils.nrw.de/netz/leda/database/measures/meas0627.htm
Mini-bus network (L)	http://www.ils.nrw.de/netz/leda/database/measures/meas0630.htm

Bristol	
Bristol's activities in PROGR€SS (P)	http://www.progress-project.org/Progress/bristol.html
Mobility Service Centres, (2000-2002):The investigation of best practice in mobility management and service centres	http://www.mobiservice.org.uk/bristol_info.htm

Sonstiges

SCOOT - Split Cycle Offset Optimisation Technique urban traffic control system - Bsp. für Traffic Management:	http://www.scoot-utc.com/ (*Homepage)*
SCOOT - Beschreibung	http://www.dft.gov.uk/stellent/groups/dft_roads/documents/pdf/dft_roads_pdf_504797.pdf
E-Parking - Commercial Solution	http://www.ericsson.com/services/globalservices/images/pdf/Hull%20City%20Council_UK.pdf

Ausgewählte Veröffentlichungen

White Paper A New Deal for Transport (Government's)	http://www.dft.gov.uk/stellent/groups/dft_transstrat/documents/pdf/dft_transstrat_pdf_021588.pdf
Transport Plan Ten Year 2000	http://www.dft.gov.uk/stellent/groups/dft_transstrat/documents/pdf/dft_transstrat_pdf_503944.pdf
Paying for Road Use (Commission for Integrated Transport)	http://www.cfit.gov.uk/reports/pfru/pdf/pfru.pdf
Urban and Local Transport - compendium of research projects 1996/97	http://www.dft.gov.uk/stellent/groups/dft_localtrans/documents/pdf/dft_localtrans_pdf_504169.pdf
Urban and Local Transport - compendium of research projects 1997/98	http://www.dft.gov.uk/stellent/groups/dft_localtrans/documents/pdf/dft_localtrans_pdf_504169.pdf
Urban Traffic Management and Control List of Deliverables	http://www.utmc.gov.uk/research/deliverables.htm
Real Time Information – Sources and Applications	http://www.dft.gov.uk/stellent/groups/dft_science/documents/page/dft_science_504481.pdf
Ticket Purchase, RTI and Willingness to Pay	http://www.dft.gov.uk/stellent/groups/dft_transstrat/documents/downloadable/dft_transstrat_508217.pdf
What can ITS deliver? - ITS 2/03	http://www.dft.gov.uk/stellent/groups/dft_roads/documents/page/dft_roads_508240.pdf
Integrated Systems – ITS 3/03	http://www.dft.gov.uk/stellent/groups/dft_roads/documents/page/dft_roads_508241.pdf
Developing an integrated transport policy: response summary	http://www.dft.gov.uk/stellent/groups/dft_transstrat/documents/page/dft_transstrat_503888.hcsp
Tackling congestion and pollution	http://www.dft.gov.uk/stellent/groups/dft_transstrat/documents/pdf/dft_transstrat_pdf_503947.pdf
Pressemitteilung der BBC vom 25.02.2002 Pay-per-mile: How it might work	http://news.bbc.co.uk/1/hi/uk/1839672.stm

Länderspezifische Informationen - Niederlande

Links zu Projekten und Informationen, niederländische Veröffentlichungen

Ministerium für Verkehr, Wasserwirtschaft und öffentliche Arbeiten (Ministry of Transport, Public Works and Water Management)	http://www.verkeerenwaterstaat.nl/?lc=de&page=3 http://www.minvenw.nl/cend/dco/home/data/international/du/index.htm
AVV Transport Research Centre (part of the Ministry of Transport)	http://www.rws-avv.nl
Senter: Agency for Sustainable Development and International Co-operation (Agencyof the Ministry of Economic Affairs, 'Verkehr' ist nur ein Teilgebiet)	http://www.senter.nl
NOVEM, the Dutch Agency for Energy and the Environment (Agency of the Ministry of Economic Affairs)	http://www.novem.nl
Dutch Bureau for Economic Policy Analysis (CPB) ('Verkehr' ist nur ein Teilaspekt)	http://www.cpb.nl

Kurzbeschreibung des niederländischen Rechtssystems und der Zuständigkeit für Verkehr (LEDA)	http://www.ils.nrw.de/netz/leda/deliverable.htm#dev1 http://www.ils.nrw.de/netz/leda/pdf/ax2-nl.pdf
Analyse der verkehrspolitischen Ziele der Niederlande (LEDA)	http://www.ils.nrw.de/netz/leda/deliverable.htm#dev1 http://www.ils.nrw.de/netz/leda/pdf/ax1-nl.pdf

MIT-Projekte (Mehrjahresprogramm Infrastruktur des Verkehrs) nur niederländisch	http://www.verkeerenwaterstaat.nl/mit/statpag/splash.html
Carpooling	http://www.minvenw.nl/dgp/algemeen/carpool/index.html
Verkehrsinformationszentrum Niederlande	http://www.tic-nl.org/index2.php

DGP programme (Directorate-General for Passenger Transport) **Focuses on accessibility, safety and quality of the living environment in connection with passenger transport** (nur niederländisch	http://www.minvenw.nl/dgp/wegwijzer
Transport Reduction (Product or process innovations with the aim of reducing transport kilometres)	http://www.senter.nl/transportbesparing
Short Trips (Programme led by NOVEM ; Mobilitätsmanagement; nur niederländisch)	http://www.korteritten.nl
KM/MM - Seamless Passenger Transport / Mobility Management **(**Programme led by NOVEM & Senter)	http://www.move-mobiliteit.nl
Transaction / Modal shift (Iimproving road transport efficiency; shifting modalities and implementing fuel-saving programmes. (Programme led by NOVEM)	http://www.transactie-modalshift.nl/indexdata.htm

Aktivitäten niederländischer Städte

Randstad	
Beschreibung der Region	http://www.knag.nl/pagesuk/geography/duits/news97duitstekst.html
Aktionsplan für Erreichbarkeit der Randstad/Holland und Straßenbenutzungsgebühren	http://www.minvenw.nl/cend/dvo/international/deutsch/pressemitteilungen/du0600.html

In den Veröffentlichungen zum Projekt LEDA beschriebene Aktivitäten niederländischer Städte

Den Haag (The Hague)	http://www.ils.nrw.de/netz/leda/database/cities/city0092.htm
ABC localisation policy: getting the business in the right place	http://www.ils.nrw.de/netz/leda/database/measures/meas0251.htm
ABC localisation policy: applying parking norms	http://www.ils.nrw.de/netz/leda/database/measures/meas0252.htm
ABC localisation policy: communicating and enforcing parking measures	http://www.ils.nrw.de/netz/leda/database/measures/meas0253.htm
ABC Policy (Veröffentlichung)	http://www.ils.nrw.de/netz/leda/pdf/dv3-an16.pdf
Getting the Business in the Right Place (Veröffentlichung)	http://www.ils.nrw.de/netz/leda/pdf/dv3-an17.pdf

Utrecht	http://www.ils.nrw.de/netz/leda/database/cities/city0093.htm
High quality public transport as a prerequisite for new buildings	http://www.ils.nrw.de/netz/leda/database/measures/meas0329.htm
Alternative financing of public transport	http://www.ils.nrw.de/netz/leda/database/measures/meas0330.htm
Easy accessibility of public transport facilities	http://www.ils.nrw.de/netz/leda/database/measures/meas0331.htm
Discouraging car use at new housing locations	http://www.ils.nrw.de/netz/leda/database/measures/meas0332.htm

Ausgewählte Veröffentlichungen

km charges in the Netherlands (IMPRINT – EUROPE)	http://www.projectkilometerheffing.nl/ http://www.roadpricing.nl/
Pay per Kilometer	http://www.imprint-eu.org/public/Papers/IMPRINT_Teule.pdf
Physical distribution in urban areas, the Dutch experience (Bestufs)	http://www.psd-online.nl/english/index.html
ITS in the Netherlands – policy contex and State of the Ar“	http://vkk042.citg.tudelft.nl/verkeerskunde/education/vk5800/ITS_state_of_the_art.pdf
Effectiveness and Feasibility of Advanced Kilometre Charging	http://www.snm.nl/docs/englishs.pdf
National Peer Review: The Netherlands Implementing Sustainable Urban Travel Policies OECD-Veröffentlichung	http://www1.oecd.org/cem/pub/contents/01PeerRev.pdf (Inhaltsverzeichnis) http://www1.oecd.org/cem/UrbTrav/publications.htm (Bestellung des Reports)

Road and Rail Infrastructure Accounting in The Netherlands; November 1999; Insbes. Kapitel 2:**"Current or planned infrastructure charging for road and rail"**	ftp://zappa.ubvu.vu.nl/19990052.pdf
Monatliche Zusammenfassungen der Pressemitteilungen (Juli 1995 – November 2002)	http://www.minvenw.nl/cend/dco/home/data/international/du/zusammenfass.htm
Monatliche Zusammenfassungen der Pressemitteilungen **(Juli 1995 – März 2001)**	http://www.minvenw.nl/cend/dvo/international/deutsch/index.html
Pressemitteilung 11 November 2000: **National traffic and transport plan**	http://www.minvenw.nl/cend/dco/home/international/gb/archive/summaries/eng1100.html
Pressemitteilung 26. März 1997: **Netherlands tests road pricing systems**	http://www.minvenw.nl/cend/dco/home/international/gb/archive/summaries/eng0397.html
Pressemitteilung Juli 1995: - **National crackdown on tailback problems** - **Possibility for introduction of pay-as-you-drive system in 2000**	http://www.minvenw.nl/cend/dco/home/international/gb/archive/summaries/eng0795.html
Einführung einer streckenabhängigen Straßenbenutzungsgebühr in den Niederlanden (Pressemitteilung AvD, 2002)	http://www.avd.de/news/2002/januar/2002_n_kw04_4_04.htm
Pressemitteilung 19.09.2000 **Sicherheit, Erreichbarkeit, Lebensqualität und Innovationen in einem dynamischen DELTA"; eingeleitete oder bereits durchgeführte Projekte werden angesprochen**	http://www.minvenw.nl/cend/dvo/international/deutsch/pressemitteilungen/000919-5929d.html

Länderspezifische Informationen - Norwegen

Links zu Projekten und Informationen, norwegische Veröffentlichungen

Ministry of Transport and Communications	http://odin.dep.no/sd
Nationale Transportplan (norwegisch)	http://odin.dep.no/sd/norsk/transport/
Institute of Transport Economics (TOI)	http://www.toi.no
City Transport (norwegisch) Programme led by the Norwegian Public Roads Administration, aimed at improving professional experience in the field of urban transport and the dissemination of knowledge to inform political decision-making in transport-related issues	http://www.transportiby.net

Analyse der verkehrspolitischen Ziele in Norwegen (LEDA)	http://www.ils.nrw.de/netz/leda/deliverable.htm#dev1 http://www.ils.nrw.de/netz/leda/pdf/ax1-nor.pdf
Kurzbeschreibung des norwegischen Rechtssystems und der Zuständigkeit für Verkehr (LEDA)	http://www.ils.nrw.de/netz/leda/deliverable.htm#dev1 http://www.ils.nrw.de/netz/leda/pdf/ax2-nor.pdf

In den Veröffentlichungen zu den Projekten CUPID (C), LEDA (L) und PROGR€SS (P) beschriebene Aktivitäten norwegscher Städte

Oslo (L)	http://www.ils.nrw.de/netz/leda/database/cities/city0112.htm
Cordon Pricing (L)	http://www.ils.nrw.de/netz/leda/database/measures/meas0370.htm

Bergen (L)	http://www.ils.nrw.de/netz/leda/database/cities/city0084.htm
Cordon Pricing (L)	http://www.ils.nrw.de/netz/leda/database/measures/meas0305.htm
ServiceBus: fixed route paratransit (L)	http://www.ils.nrw.de/netz/leda/database/measures/meas0311.htm
Residential parking permit areas (L)	http://www.ils.nrw.de/netz/leda/database/measures/meas0313.htm
Traffic cells (L)	http://www.ils.nrw.de/netz/leda/database/measures/meas0316.htm
Road pricing (L)	http://www.ils.nrw.de/netz/leda/database/measures/meas0364.htm

Trondheim (P)	http://www.progress-project.org/Progress/tron.html
IBIS - Integrated payment and information systems for personal transport (P)	http://www.aksess.no/vegvesenet/concert/transptele/transptele2_99_eng.html
Electronic Ticketing System for Public Transport (P)	http://www.aksess.no/vegvesenet/concert/transptele/transptele3_99_eng.html#elektronisk_billettering
AUTOPASS – Toll Charging System (P)	http://www.vegvesen.no/autopass/english/index.html
CONCERT - (P)	http://www.aksess.no/vegvesenet/concert/concert_eng.html
TRON - system for integrated payment **Positive results from the TRON test** (C)	http://www.aksess.no/vegvesenet/concert/tron_eng.html http://www.aksess.no/vegvesenet/concert/transptele/transptele2_96_eng.html
TRON2 - a test of road pricing in Trondheim (C)	http://www.aksess.no/vegvesenet/concert/tron2_eng.html http://www.aksess.no/vegvesenet/concert/transptele/transptele2_97_eng.html
PAK - priority for public transport (C)	http://www.aksess.no/vegvesenet/concert/pak_eng.html http://www.aksess.no/vegvesenet/concert/transptele/transptele1_97_eng.html
Toll Ring System (Aktivität im Rahmen des Projekts GAUDI – Programm DRIVE 2)	http://212.190.125.40/geddata/1999/03/23/00000073/49E.HTM
CONCERT projects in Trondheim	http://www.aksess.no/vegvesenet/concert/index_eng.html http://www.aksess.no/vegvesenet/concert/concert_eng.html

Länderspezifische Informationen - Österreich

Links zu Projekten und Informationen, österreichische Veröffentlichungen

Bundesministerium für Verkehr, Innovation und Technologie	http://www.bmvit.gv.at

Analyse der verkehrspolitischen Ziele (LEDA)	http://www.ils.nrw.de/netz/leda/ http://www.ils.nrw.de/netz/leda/pdf/ax1-oe.pdf
Kurzbeschreibung des österreicher Rechtssystems und Zuständigkeit für Verkehr(LEDA)	http://www.ils.nrw.de/netz/leda/ http://www.ils.nrw.de/netz/leda/pdf/ax2-at.pdf

Projekte

I2 - Intelligente Infrastruktur Forschungsförderungsprogramm zur Unterstützung österreichischer Unternehmen bei der Entwicklung und Erprobung systemintegrierter Telematikanwendungen im Verkehrssektor	http://www.bmvit.gv.at/sixcms/detail.php/template/i/_e1/3/_e2/2/_e3/1000/_relid/776/_relid2/781/
MOVE - Mobilität und Verkehrstechnologien • Logistik Austria Plus • **Take ÖV Entwicklungen der Verkehrstelematik 1999-2003 Innovative Mobilitätsdienstleistungen 3 Jahre nach dem Wettbewerb** • Innovative Mobilitätsdienstleistungen	**http://www.movenet.at/** http://www.bmvit.gv.at/sixcms/detail.php/template/i/_e1/3/_e2/2/_e3/1000/_relid/776/_relid2/4065/ http://www.bmvit.gv.at/sixcms/detail.php/template/i/_e1/3/_e2/2/_e3/1000/_relid/776/_relid2/4064/ http://www.bmvit.gv.at/sixcms/detail.php/template/i/_e1/3/_e2/2/_e3/1000/_relid/776/_relid2/4066/

Ausgewählte Veröffentlichungen

Europa-Forum **Bericht zu Bausteinen einer nachhaltigen Stadtentwicklung in der Europ. Union** Nachhaltige Flächennutzung - Stadtverträgliche Verkehrspolitik **Fallbespiele**	http://www.europaforum.or.at/dt/frame.htm http://www.europaforum.or.at/Download/UEIdt.rtf http://www.bmvbw.de/Anlage2004/Initiative-fuer-Staedtedialog-II-Report.pdf http://www.europaforum.or.at/Download/UEIdtApp.rtf http://www.bmvbw.de/Anlage2005/Initiative-fuer-Staedtedialog-II-Anhang.pdf

ITS-Austria

Verkehrstelematikinitiative ITS Austria	http://www.its-austria.info/
Telematikrahmenplan - Leitbild	http://www.its-austria.info/doc/Leitbild_Verkehrstelematikinitiative.pdf
Beschreibung des Telematikrahmenplans	http://www.its-austria.info/doc/TTS-A_Projektbeschreibung.pdf

Länderspezifische Informationen - Schweden

Links zu Projekten und Informationen, schwedische Veröffentlichungen

Ministerium Ministry of Industry, Employement and Communications	http://www.naring.regeringen.se
The Swedish Research Council for Environment, Agricultural Sciences and Spatial Planning - FORMAS	http://www.formas.se
The Swedish National Rail Administration	http://www.banverket.se
The Swedish National Road Administration	http://www.vv.se
Vinnova, the Swedish Agency for Innovation Systems	http://www.vinnova.se
Swedish Energy Agency	http://www.stem.se
The Foundation for Strategic Environmental Research - MISTRA	http://www.mistra.org

Analyse der verkehrspolitischen Ziele (LEDA)	http://www.ils.nrw.de/netz/leda/ http://www.ils.nrw.de/netz/leda/pdf/ax1-sv.pdf
Kurzbeschreibung des schwedischen Rechtssystems und Zuständigkeit für Verkehr (LEDA)	http://www.ils.nrw.de/netz/leda/ http://www.ils.nrw.de/netz/leda/pdf/ax2-sv.pdf

In den Veröffentlichungen zu den Projekten LEDA (L) und PROGR€SS (P) beschriebene Aktivitäten schwedischer Städte

Göteborg (Gothenburg) (L)	http://www.ils.nrw.de/netz/leda/database/cities/city0113.htm
Gothenborg'a Activities in Progr€ss (P)	http://www.progress-project.org/Progress/got.html
City of Gothenburg Travel & Public Transport Authority (L)	http://www.trafikkontoret.goteborg.se/
Gothenburg Traffic Information: real-time information system (L)	http://www.ils.nrw.de/netz/leda/database/measures/meas0367.htm
KomFram: real-time public transport information system (L)	http://www.ils.nrw.de/netz/leda/database/measures/meas0368.htm
Environmental Zones: limiting diesel vehicles (L)	http://www.ils.nrw.de/netz/leda/database/measures/meas0369.htm

Lund (L)	http://www.ils.nrw.de/netz/leda/database/cities/city0083.htm
Environmental Zones: limiting diesel vehicles (L)	http://www.ils.nrw.de/netz/leda/database/measures/meas0400.htm
30 km/h zones in all residential areas (L)	http://www.ils.nrw.de/netz/leda/database/measures/meas0401.htm
Regulating semi-public and private carparks (L)	http://www.ils.nrw.de/netz/leda/database/measures/meas0402.htm
Bicycle parking enforcement (L)	http://www.ils.nrw.de/netz/leda/database/measures/meas0403.htm

General parking tariff system (L)	http://www.ils.nrw.de/netz/leda/database/measures/meas0404.htm
Obligation for bicycle parking in future developments (L)	http://www.ils.nrw.de/netz/leda/database/measures/meas0405.htm
Pedestrian precinct in city centre (L)	http://www.ils.nrw.de/netz/leda/database/measures/meas0406.htm
ServiceBus (L)	http://www.ils.nrw.de/netz/leda/database/measures/meas0407.htm
Reserved parking for deliveries (L)	http://www.ils.nrw.de/netz/leda/database/measures/meas0408.htm
Residential parking permit areas (L)	http://www.ils.nrw.de/netz/leda/database/measures/meas0409.htm
Traffic cells (L)	http://www.ils.nrw.de/netz/leda/database/measures/meas0410.htm
Limiting new parking spaces in the city centre (L)	http://www.ils.nrw.de/netz/leda/database/measures/meas0411.htm

Länderspezifische Informationen - Schweiz

Links zu Projekten und Informationen, schweizer Veröffentlichungen

Verkehrsinformationszentrale Schweiz	http://www.swissinfo.org/sde/Swissinfo.html?siteSect=490
Publikationsplattform des Schweizer Bundesamts für Verkehr	http://www.swisstraffic-online.ch/
Internetplattform für Informationen rund um die kombinierte Mobilität	http://www.mobilservice.ch/

Analyse der verkehrspolitischen Ziele (LEDA)	http://www.ils.nrw.de/netz/leda/ http://www.ils.nrw.de/netz/leda/pdf/ax1-ch.pdf
Kurzbeschreibung des schwedischen Rechtssystems und Zuständigkeit für Verkehr (LEDA)	http://www.ils.nrw.de/netz/leda/ http://www.ils.nrw.de/netz/leda/pdf/ax2-ch.pdf

Zürich	
Daten und Fakten zum Verkehr	http://www.mobilitaetskultur.ch/daten/index.cfm
Züricher Verkehrsverbund	http://www.zvv.ch/aktuell.asp

In den Veröffentlichungen zu dem Projekt LEDA beschriebene Aktivitäten von Zug

Zug	http://www.ils.nrw.de/netz/leda/database/cities/city0102.htm
Verkehrsberuhigung in historischen Innenstädten	http://www.ils.nrw.de/netz/leda/database/measures/meas0340.htm
Tempo 30 km/h in Wohngebieten	http://www.ils.nrw.de/netz/leda/database/measures/meas0339.htm
Nutzung der Busspuren in beide Richtungen auf Hauptverkehrsstrassen	http://www.ils.nrw.de/netz/leda/database/measures/meas0338.htm
Busspuren auf allen in die Innenstadt führenden Hauptverkehrsstrassen	http://www.ils.nrw.de/netz/leda/database/measures/meas0337.htm
Vorrang für Busse an Ampeln	http://www.ils.nrw.de/netz/leda/database/measures/meas0336.htm

Projekte

MobilityCarsharing Swiss	http://www1.mobility.ch/de/index.htm
CARLOS - Mitfahrermöglichkeit	http://www.car-los.ch/
Leistungsabhängige Schwerverkehrsabgabe - LSVA	http://www.are.admin.ch/imperia/md/content/are/are2/publikationen/deutsch/112.pdf
ECO-Drive (Fahrerschulung)	http://www.eco-drive.ch

NFP41 – Verkehr und Umwelt Wechselwirkungen Schweiz – Europa	http://www.nfp41.ch/

Ausgewählte Veröffentlichungen des Programms NFP41

Projektübersicht • A1 Mobilitätsmanagement • A2 Autolose Haushalte • A3 Neue integrierte Mobilitätsdienste, NIM • A4 Attraktivität des multimodalen Verkehrs • A5 Soziale Entwicklungengen und Freizeitverkehr • A6 Car Pooling (ICARO) • A7 Neue Kommunikationsmedien (EVITA I) • A8 Kommunikation mit virtuellen Unternehmen (EVITA II) • A9 Fußgänger und Fahrradverkehr • A10 Anforderungen an zukünftige Verkehrsstatistiken • A11 Measuring accessibility Ausarbeitung von Methoden und Indikatoren gewidmet, die eine bessere Berücksichtigung des Verkehrsmöglichkeiten der Bevölkerung zu verschiedenen Aktivitäten (Arbeit, Freizeit usw.) bezüglich ihrer Wohnsituation und sozioökonomischer Stellung (Einkommen, Beruf, Alter) erlauben. **Zusammenfassung**	http://www.nfp41.ch/reports/projects.html • http://www.nfp41.ch/reports/projects/kf-a01.html • http://www.nfp41.ch/reports/projects/kf-a02.html • http://www.nfp41.ch/reports/projects/kf-a03.html • http://www.nfp41.ch/reports/projects/kf-a04.html • http://www.nfp41.ch/reports/projects/kf-a05.html • http://www.nfp41.ch/reports/projects/kf-a06.html • http://www.nfp41.ch/reports/projects/kf-a07.html • http://www.nfp41.ch/reports/projects/kf-a08.html • http://www.nfp41.ch/reports/projects/kf-a09.html • http://www.nfp41.ch/reports/projects/kf-a10.html • http://www.nfp41.ch/reports/projects/kf-a11.html http://www.nfp41.ch/download/synthesis/s09-dfe.pdf
Akzeptanz einer nachhaltigen Verkehrspolitik im politischen Prozess Deutschland, Niederlande und Schweiz im Vergleich	http://www.nfp41.ch/reports/projects/kf-d13.html
Roadpricing in der Schweiz	http://www.nfp41.ch/download/moduld/d11-kf-d.pdf

Carsharing – the Key to Combined Mobility	http://www1.mobility.ch/mobilmanager/IntSummeryE.html
Leistungsabhängige Schwerverkehrsabgabe - LSVA	http://www.are.admin.ch/imperia/md/content/are/are2/publikationen/deutsch/112.pdf

II USA

Tabelle 27: **Projektlisten USA nach dem ITS Projects Book 2002**

Projekt	Kurzbeschreibung (ITS Projects Book)	Dienst	Arizona (AZ)
ATLAS Arizona Center For Traffic and Logistics Algorithms and Software	research in traffic management and logistics management systems	TM	Tucson
Integration of Real-Time Traffic Information	operational testing of traffic adaptive signal control and research/development of innovative approaches to real-time prediction of traffic	TM	Tucson
AZTech Model Deployment Initiative	integration of several management systems (Trailmaster, Emergency, Airport) and seven local area city Traffic Signal Operations (TOCs) for a regional, multimodal traffic management system	TM	Phoenix
Countermeasures Against Rear-End Collisions	advanced technologies to prevent or decrease the severity of rear-end crashes	VS	x

Projekt	Kurzbeschreibung (ITS Projects Book)	Dienst	California (CA)
I-405 Multi-Jurisdictional Smart Corridor/Caltrans District 12 Intertie	fibre optic communication to support traffic signals and closed circuit TV, vehicle detection stations and video image processing systems	TM	Huntington Beach
YATI Yosemite Area Traveler Information System	designed to better manage visitors by changeable message signs and highway advisory radio	TI/TM	x
CMAQ Congestion Mitigation and Air Quality Improvement Program			
Electronic Toll Collection	drivers will establish pre-paid toll accounts, eliminating the need for cash or exact change	TM	x
TransCal	provides timely and accurate traveler information	TI	x
ATHEN			
ATSAC Automated Traffic Surveillance Control System	automatically monitors and manages surface street traffic	TM	Los Angeles
I-15 Traffic Surveillance and Signal System Integration Project	design and install four closed circuit TV cameras, a communications system between the CCTV and the city's Traffic Operations Center (TOC) and the integrated workstation/graphical user interface to integrate, control and monitor the traffic signal system, the surveillance system and freeway variable message signs	TM	Temecula
I-80 Real-Time Traffic Management Plan (TMP)	facilitate management of traffic during a major rehabilitation of a section	TM	x

Transit ITS Demonstration	program to test ITS system applications on transit operations, establish the standards and criteria for open environment technology, assess transit operational productivity increases from such applications, evaluate cost effectiveness, and identify the means, methods and actions required to implement and integrate ITS technologies into traditional fixed route transit, demand responsive transit, and non-traditional transit services such as smart shuttles	PT	x
South Shore Coordinated Transit System	expand the deployment of kiosks from 20 to 45 locations to improve customer access to the South Shore Coordinated Transit System (CTS)	TI	x
ATMs Project	installation of a sophisticated traffic control center that controls traffic signals, conducts traffic surveillance using closed circuit TV, and provides up to the minute information on traffic to travelers through kiosks, changeable message signs, cable TV and the Internet	TI/TM	Inglewood
Remote TMC And Traveler/Public Information Access Center	integration of ATIS components with built-in redundancy for a remote TMC during emergencies and natural disasters such as earthquakes	TM/TI	Mission Viejo
Smart Traveler	different card technologies were tested: a contact card and a radio frequency (RF) proximity card	PT	Los Angeles, Orange
Detection Technology for ITS	functional and performance specifications for permanently deployed and portable vehicle detectors in ITS applications	TM	Fullerton
Mobile Communications System	portable detection and surveillance system for highway construction, special events, and incident locations	TM	Orange
Rideshare	geographic information system (GIS) to provide single-trip or multiple-trip real-time ridesharing information	TI	Sacramento
Smart Vehicle	GPS for automatic vehicle location (AVL) operation of a paratransit system in conjunction with bus, light rail, and train operation	TI	Santa Clara
Scoot Adaptive Traffic Control System	automates the data collection process and then automatically optimizes traffic signal timing based on real-time traffic conditions	TM	Anaheim
Smart Call Box	feasibility of using the Smart Call Boxes to collect traffic census data; obtain traffic counts, flows and speeds for incident detection; report information from roadside weather information systems; control changeable message signs; and control roadside closed-circuit television cameras	TM	San Diego
TRAVINFO	a comprehensive, region-wide traveler information system, capable of supplying transportation information to a broad array of devices and users	TI	San Francisco
On-Board Driver Monitoring/Fitness-For-Duty-Testing	pilot test evaluated the ability of a lane tracking device to monitor a driver's fitness-for-duty	VS	San Diego
IVSAWS In-Vehicle Safety Advisory and Warning Systems	nationwide vehicle information system that provides drivers with advance, supplemental notification of dangerous road conditions using electronic warning zones with precise areas of coverage	VS	Fullerton
Variable Dynamic Test Vehicle Development	computer-controlled variable subsystems, drive-by-wire (steering, braking, throttle) and four-wheel steering testbed vehicle	VS	Pasadena
Vehicle-Based Lane Detection	prototype machine vision lane detection sensor	VS	Anaheim

Integrated Ramp Metering/Adaptive Signal Control	integrate an existing centrally-controlled freeway ramp meter system with an arterial signal system consisting of existing signal controllers, the new Advanced Traffic Controller, and an adaptive control algorithm (OPAC)	TM	Irvine
NIER National Institute for Environmental Renewal	designed to demonstrate the feasibility of utilizing computerized emergency response information, including telecommunications technologies, to provide hazardous materials information to emergency response units	CVO	Los Angeles

Projekt	**Kurzbeschreibung (ITS Projects Book)**	**Dienst**	**Minnesota (MN)**
GUIDESTAR			x
Evaluating Environmental Impacts of ITS Using LIDAR		TM	Minneapolis,St. Paul
TRAVLINK	real-time transit schedule and traffic information through a combination of kiosks and terminals at work, home, shopping centers, and transit stations	TM/PT	Minneapolis
TRILOGY	traveler information through different communications techniques: the Radio Broadcast Data System-Traffic Message Channel (RBDS-TMC), and a high-speed FM subcarrier	TI	Minneapolis,St. Paul
Out-Of-Service Verification Operational Tests	technologies that provide automatic, real-time out-of-service verification at the roadside	TI	
Generation 0 Field Operational Test MN DOT	testing of rear-end and roadway departure collisions involving snowplows, especially snowplow crashes with other vehicles and roadside "furniture"	VS	Hutchinson
Genesis	uses personal communications devices (PCDs) to distribute information	TM	Minneapolis,St. Paul

Projekt	**Kurzbeschreibung (ITS Projects Book)**	**Dienst**	**CT**	**NJ**	**NY**
ATMs Expansion	deployment of field devices such as Dynamic Message Signs, Highway Advisory Radio, Road Weather Information Systems and Closed Circuit TV Cameras	TM			Gates, Chili
Brooklyn-Bronx-Queens-Signalization	development, installation and evaluation of new, advanced traffic controllers (ATC) for integration into the signal system for NY	TM			x
Interoperable Coordinated Signal System	aims to create a unified, interoperable coordinated signal system that integrates city, county, and state signal subsystems	TM			White-Plains
Bronx/Northern Manhattan ATMs		TM			x
H.E.L.P.	Department´s motorist assist patrol program	TM			Buffalo

I-90 Connector	investigation of communications technologies to link the test bed with the Northway Incident Management/Traffic Operations Center, traffic operations data collection, deployment of temporary ITS equipment in the study area, and the establishment of partnerships with educational institutions and/or private sector ITS firms	TM			Rensselaer
Lower Hudson Valley	creation of a Transportation Management Center (TMC)	TM			Westchester
Advanced Transportation Management System	deploy an Advanced Transportation Management and Traveler Information System	TM			Syracuse
Regional Transit Operations Information Integration	multi-agency integration of information and communications systems to support effective use of APTS for multi-agency transit service coordination				Westchester, Putnam
New York City Toll Plazas Scanners	installation of readers for EZ-PASS tags (the transponders used to electronically collect tolls)	TM			NYC
Transportation Authority Travel Information System	pilot project for a GPS-based bus locating system. This bus locating system will involve approximately 200 buses that will be assigned in the CBD of Manhattan	PT			NYC Metro Area
ATIS/ITS Test Bed Laboratory Transportation Network	designed to satisfy information needs of highway travelers and transit users as well as transportation operating agencies	TI			x
NITTEC ITS Improvement Project for Niagara International Transportation Technology Coalition	integration of member agencies and the Western NY Incident Management Team, demonstratation of the effectiveness of Video Incident Detection based on neural network technology, integration of - an Automated Collision Notification (ACN) System - local police automated vehicle location (AVL) systems - a queue-end warning system, and provide integrated emergency management				Buffalo
ITMS New York City Multi-Operating Agency Integrated Transportation Management Systems	development, implementation and operation of an integrated multi-agency transportation system	TM			NYC
MAGIC Metropolitan Area Guidance Information and Control	system diverted motorists from congested or emergency/incident locations to alternative routes	TI		x	
Congestion Management	integration of existing Road Weather Information System and highway maintenance functions with new traffic management and traveler information functions such as variable message signs and highway advisory radio	TI/TM			Rochester
Transportation Management Center Integration	integration of two existing traffic management centers	TM			x
Northeast Corridor	improvement of transportation services and operations through the coordinated implementation and integration of advanced technology	TI/TM	x	x	x
TRANSCOM Congestion Management Program	improve inter-agency response to traffic incidents	TM	x	x	x
Southern State Parkway	surveillance, control and traveler information techniques will expand on those currently used in INFORM to take advantage of state-of-the-art hardware/software systems	TM			Long Island
ETTM Electronic Toll and Traffic Management	deployed region-wide permitting use of a single "electronic tag" on vehicles on any toll facility	TM		x	

Police Communication Center	nhanced traffic management capability, improved response to incidents, improved efficiency of enforcement functions and improvement of the institutional relationship between State Police and traffic operations personnel	TM		x	
Signal Computerization	deployed utilizing advanced traffic control software and video surveillance	TM		x	
Turnpike Project	additional closed circuit television locations, variable message signs and a weather surveillance subsystem	TM		x	
TRANSCOM ITS Infrastructure Model Deployment	Regional Transportation Management System connecting member agencies through a "virtual" TMC	TM/TI	x	x	x
Thruway Authority Albany Traffic Operations Center	highway advisory radio, variable message signs, closed circuit television, and computer-aided dispatching technologies	TM			Albany
Thruway ETC and Traffic Management	multi-agency automated billing system for seamless customer service on other E-Z PASS systems	TM			x
Syracuse Congestion Management System	central, computer-controlled signal system for the Syracuse central business district	TM			Syracuse
Electronic Screening/Electronic Toll Collection Interoperability	regional interoperability of ETC and E-Screening systems using the Fusion transponder	TM	x	x	x
CARGO-MATE Logistics Information Management Systems	tracks intermodal assets at tenant facilities and port terminals and will interface directly with infrastructure elements managing freight, providing traveler information and emergency information	CVO		x	x
Intersection Collision Avoidance	advanced technologies to improve crash avoidance of vehicles negotiating intersections	VS			x
Countermeasures Against Roadway Departure Collisions	advanced technologies to improve crash avoidance during roadway departures ("ran-off-road")	VS			Buffalo

Projekt	**Kurzbeschreibung (ITS Projects Book)**	**Dienst**	**Texas (TX)**
Center-to-Center-Communications-Project	support coordinated incident management, information sharing, and remote device monitoring and control	TI	Dallas, Fort Worth
Rapid Transit Personalized Public Transit	flexible-route buses on a regional crosstown route in the Dallas metropolitan area to determine if flexible service can increase ridership	PT	Dallas
Integration Project			Corpus Christi
TRANSLINK	focuses on linking the various elements of the transportation system together to orm a single, integrated, cooperative □ravellintation management system	TM	College Station
TRANSLINK Research and Development Program	facilitate the integration of “real-time” ITS system monitoring capabilities into existing and future transportation management systems	TM	College Station
ITS Integration			Corpus Christi
DALTRANS´ Wide Area Communications Network	coordinate transportation services among the multiple agencies	TI	Fort Worth

Transportation Research Implementation Center	areas of focus will be transportation system management, emergency response management, transit management and highway-rail intersection safety	TM/TI/PT	College Station
Smart Commuter	entice □ravelling from Single Occupancy Vehicles (SOV) into buses by providing real-time transit and traffic information through personal digital assistants	PT/TI	Houston
TRANSGUIDE Metropolitan Model Deployment	Real-time, multi-modal □ravellin information is being provided to the □ravelling public through TransGuide TV 54, an in-vehicle route guidance system, kiosks, the internet and highway advisory radio. The TransGuide communications system supports video teleconferencing between local trauma centers and EMS units.	TI/TM	San Antonio, Comal
TRANSGUIDE	a state-of-the-technology advanced traffic management system	TM	San Antonio, Comal
TranStar	planning, design, operations and maintenance of transportation operations/emergency management including freeway management systems, ramp meter signals, HOV lane systems and changeable message signs	TM	Houston
Internet Enabling	Internet enabling motor carrier credentialing processes are part of a larger strategy to develop a "Texas One Stop Shop" for obtaining Texas motor carrier credentials over the Internet	CVO	
Night Driver Thermal Imaging Camera and Head Up Display Development	new methods and technologies related to the development of automotive head-up-displays (HUD), and to develop an improved, production-realistic prototype HUD capable of supporting night driving applications, and operating reliably in the automotive environment	VS	Dallas

Projekt	**Kurzbeschreibung (ITS Projects Book)**	**Dienst**	**Washington (WA)**
North Seattle Advanced Traffic Management Systems	methods for adjacent traffic signal systems to share loop detector and operational data to improve operations across boundaries and between adjacent systems	TM	Seattle
Traffic Management Center Enhancement	improvement of datatransmission by installing fibre optic equipment	TI	Puyallup, Tacoma
Smart Card	seamless, multi-modal fare collection system using contactless smart card technology	PT	Central Puget Sound
FAME (Freeway and Arterial Management Effort Program)	focuses on measures such as incident response, freeway ramp meter and coordinated traffic signal	TM	x
Spokane County Regional TMC Integration	enable the Spokane Regional Traffic Management Center (SRTMC) and associated agencies to share information	TM	Spokane
SMART TREK Model Deployment	intermodal transportation management and integrated, real-time highway and transit information services for the entire Seattle metropolitan area	TM/TI	Seattle
Smart Traveler	mobile communications, such as cellular phones, and information kiosks could be used to make ridesharing (carpooling and vanpooling) more attractive	TI	Seattle
Smart Bus	Diesel Hybrid/Electric Smart Bus	PT	Seattle
SWIFT Seattle Wide Information For Travelers	delivery of traveler information via three devices: the Seiko Receptor Message Watch, an in-vehicle FM subcarrier radio, and a portable, personal computer	TI	Seattle

In-Vehicle Display Icons And Other Information Elements	develop analytically and empirically based design guidelines for in-vehicle icons	VS	Seattle
Crash Avoidance and The Older Driver	conduct an assessment of older driver crash avoidance research needs	VS	Seattle
Human Factors In ATIS and CVO Design Evolution	develop precise and detailed human factors guidelines for in-vehicle Advanced Traveler Information Systems (ATIS) for ITS applications	VS	x
TravelAid	variable speed limit signs, variable message signs, in-vehicle communications	TM	Snoqualmie Pass
PUSHME Puget Sound Help Me Mayday System	assess operational, institutional and technology requirements for implementing a regional MAYDAY system that would allow a driver to send an immediate notification of an incident, its location and need for assistance to a response center	VS	Puget Sound

Projekt	Kurzbeschreibung (ITS Projects Book)	Dienst	AZ	CA	MN	CT	NJ	NY	TX	WA
CVISN-Model Deployment Commercial Vehicle Information and Networks	focused on safety information exchange, roadside electronic screening, and credentials administration	CVO		x	x	x				x
CVISN Level 1 Deployment, Step 1 Planning	a state: (1) establishes an ITS/CVO working group; (2) prepares a Memorandum of Agreement to deploy CVISN Level 1 capabilities as funding is available; (3) participates in ITS/CVO technical training courses; and (4) completes and maintains an ITS/CVO Business Plan	CVO							x	
CVISN Level 1 Deployment, Step 2, Design	a state: (1) establishes its CVISN project team and selects a CVISN project manager and a system architect; (2) participates in three CVISN deployment workshops; and (3) completes a CVISN Program Plan and Top-Level System Design	CVO					x	x	x	
CVISN Level 1 Deployment, Step 3, Deployment	focus on electronically exchanging safety and credentialing credentials, and implementing roadside electronic screening at one fixed or information, electronically processing interstate registration and fuel tax mobile site	CVO	x		x					x
HELP Heavy Vehicle Electronic License Plate Program	multi-state program that uses Automatic Vehicle Identification (AVI), Automatic Vehicle Classification (AVC) and Weigh-In-Motion (WIM) to expedite verification of driver and commercial vehicle credentials and permits	CVO	x	x					x	
Electronic Clearance For International Boders	operational tests to demonstrate commercial vehicle electronic clearance at international borders including proper identification of Mexican and Canadian motor carriers by using innovative ITS technology								x	
MONY		CVO						Buffalo		
EPIC		CVO	Nogales							
IBEX		CVO		Otay Mesa						

Electronic One-Stop Shopping Operational Tests	one-stop, multi-state electronic purchase of credentials from locations such as motor carrier facilities, permitting services, truck stops and state agencies	CVO	x	x	x				x	
RT-TRACS Real-Time Traffic Adaptive Signal Control	evaluation of five real-time traffic adaptive signal control prototypes	TM	x		x					
IPAS Program Assessment Support	support contracts intended to provide ITS program assessment		x			x	x	x	x	x
Operation Respond	designed to provide an electronic link with 911 operators and participating carriers during the initial response to hazardous materials accidents	CVO		Contra Costa, San Diego				Buffalo	Houston	
Countermeasures Against Lane Change, Merging And Backing Collisions	advanced technologies to improve crash avoidance during lane change, merging and backing maneuvers	VS		x					x	

Überblick über die im Rahmen der Projekte durchgeführten Maßnahmen

Arizona

Projekt des Ballungsraums Greater Phoenix Metropolitan Area

	AZ Tech Phoenix Metropolitan Model Deployment Initiative
Ziele (objectives) generell	providing improved safety and regional mobility through enhanced traffic management and regional, multimodal traveler information
Teilziel/Anwendung für Ballungsraum	integrate the existing Intelligent Transportation System infrastructure (ITI), establish a regional integrated traveler information system, expand the transportation management system for the Phoenix metropolitan area
Status	completed
Zeitrahmen	10/1996 - 12/2000
weitere Ballungsräume beteiligt an Projekt	
Art der Maßnahme/Dienste	
Nutzerperspektive	
kollektive Informationssysteme MIV	x
individuelle Informationssysteme MIV	x
Zustands- und Anschlussinformation ÖV	x

Reisendeninformation multimodal	x
Straßenbenutzungsgebühren	
Parkraumbewirtschaftung	
Sonstige Gebühren	
Tarifgestaltung ÖV	
Betreiberperspektive	
Straßenverkehrsmanagement	x
Tarife und Gebühren für Straßennutzung	
Logistik im Straßengüterverkehr	
ÖV-Management	x
Finanzierung ÖV	
Integriertes Verkehrsmanagement	x
Sonstiges	
Unfall- und Notdienststeuerung	x
Fahrzeugsicherheit	x
Datenmanagement	
Anmerkungen	
Umsetzung	
Initiatoren, Auftraggeber	U.S. DOT
Technik (Art der Technik, vorhanden, neu)	Automated Vehicle Location (AVL) Web-based Advanced Traveler Information Systems (ATIS) signal timing and VMS mobile data communication
Quelle	
Betreiber (privat/staatlich/?)	19 public sector partners 13 private sector partners
Zielgruppe der Maßnahme	highly mobile commuting public
Finanzierung	7,5 Mio US $ FHWA 24,3 Mio US $ state and local 5,4 Mio US $ private
Begleitforschung	
Zusammenhang zu anderen Projekten	
Vorläufer	
gegenwärtig	
zukünftig	
Kontakt	
lokaler Ansprechpartner	Alan Hansen, FHWA Arizona Division, HPR 1-Az +1-602-379-6856 Dale Thompson, Maricopa County, AZ, +1-602-506-8949
Projektpartner	

Ergebnisse	
Art der Dokumentation	Evaluationsbericht, Fallstudie
Ergebnisse	measured effects were either positive (customer satisfaction with traveler information services), or have the potential to be positive (traffic management system impacts)
warum Ziele nicht erreicht	
Erfolg noch offen, da Projekt noch nicht abgeschlossen	
Probleme bei Umsetzung/Einführung	
Akzeptanz der Maßnahme/des Vorhabens	modest response to traveler information services
weiterführende Projekte	
Literatur	
Ort der Literaturablage	http://www.itsdocs.fhwa.dot.gov/jpodocs/repts_te/9tz01!.pdf http://www.ite.org/library/Arizona.pdf

NewYork-New Jersey-Conneticut

Projekte des Ballungsraums NewYork-New Jersey-Conneticut (TRANSCOM)

	TRIPS123 (ehemals iTravel) Metropolitan Model Deployment Initiative	**NEW YORK CITY TOLL PLAZA SCANNERS E-Zpass**	**TRANSCOM Congestion Management Program**
Ziele (objectives) generell	deploy ITS infrastructure to showcase benefits	common electronic toll collection standards	
Teilziel/Anwendung für Ballungsraum	improve interagency response to traffic incidents	Peak-Zeiten-Analyse zur besseren Auslastung des elektronischen Gebührensystems	improve inter-agency response to traffic incidents
Status	abgeschlossen	abgeschlossen	in Progress
Zeitrahmen	10/1996-06/1999	10/1998-03/2002	01/1999
weitere Ballungsräume beteiligt an Projekt		von Delaware bis Massachussetts	
Art der Maßnahme/Dienste			
Nutzerperspektive			
kollektive Informationssysteme MIV	x		
individuelle Informationssysteme MIV	x	x	
Zustands- und Anschlussinformation ÖV			
Reisendeninformation multimodal	x	x	
Straßenbenutzungsgebühren	x	x	

Parkraumbewirtschaftung			
Sonstige Gebühren	x	x	
Tarifgestaltung ÖV			
Betreiberperspektive			
Straßenverkehrsmanagement	x		x
Tarife und Gebühren für Straßennutzung	x	x	
Logistik im Straßengüterverkehr			
ÖV-Management			
Finanzierung ÖV			
Integriertes Verkehrsmanagement			
Sonstiges			
Unfall- und Notdienststeuerung	x		x
Fahrzeugsicherheit			
Datenmanagement			
Anmerkungen			
Umsetzung			
Initiatoren, Auftraggeber	US DOT		
Technik (Art der Technik, vorhanden, neu)	Internet, Dial-In Telefon, Fax, e-Mail, Pager	TOLLSIM micro-simulation model	
Quelle			
Betreiber (privat/staatlich/?)	TRANSCOM (18 Agenturen im Staatlich-Privaten Zusammenschluss), z.B.: öffentlich: CT/NYC/NJ-DOT, MTA, FHA, FTA privat: TrafficStation, NEC, Navigation Technologies	New York State DOT	NJ/NY DOT TRANSCOM
Zielgruppe der Maßnahme	local commuters, commercial vehicle operators, and other travelers	car passengers	Verkehrsteilnehmer im Ballungsraum
Finanzierung	ITS-Fonds: 10.610.000 US $ gesamt: 15.067.648 US $	1.100.000 US $ 1.375.000 US $	17.325.000 US $ 21.700.000 US $
Begleitforschung			
Zusammenhang zu anderen Projekten			
Vorläufer			
gegenwärtig			
zukünftig			
Kontakt			
lokaler Ansprechpartner	Michael Schauer, FHWA New York Division, HTD-NY, +1-518-431-4236 Ed Roberts, New York State DOT, +1-518-457-1232	Arthur O'Connor, FHWA New York State Division NYC Metro Office, +1-212 668-2206 Fred Lai, New York State DOT, +1-718-482-4733	Keith Sinclair, FHWA New Jersey Division, HTC-NJ, +1-609-637-4204 Mike Schauer, FHWA New York Division, HTD-NY, +1-518-431-4236
Projektpartner	Rob Bamford, TRANSCOM, +1-201-963-4033		Tom Batz, TRANSCOM, +1-201-963-4033
Ergebnisse			
Art der Dokumentation	Deployment Tracking (Datensammlung)	Kurzdarstellung	Kurzdarstellung

Ergebnisse		um 85 % reduzierte Wartezeiten an Gebührenkontrollstationen, damit gesparte Fahrerwartestunden	
warum Ziele nicht erreicht			
Erfolg noch offen, da Projekt noch nicht abgeschlossen			x
Probleme bei Umsetzung/Einführung	unkoordinierte, konkurrierende Zusammenarbeit von öfftentlichen Stellen und privaten Dienstleistern (Public-Private-Partnership) Umbenennung des Dienstes wegen Rechtsstreitigkeiten		
Akzeptanz der Maßnahme/des Vorhabens			
weiterführende Projekte			TRANSMIT, Alternate Bus Routing
Literatur			
Ort der Literaturablage	http://www.itsdocs.fhwa.dot.gov/jpodocs/repts_te/@7401!.PDF http://www.itsdocs.fhwa.dot.gov//JPODOCS/REPTS_TE/13631/TTM-185.html	http://www.mitretek.org/ITS/benecost.nsf http://www.itsdocs.fhwa.dot.gov//JPODOCS/REPTS_TE/13631/TTM-233.html http://www.state.nj.us/turnpike/execsum.pdf	http://www.itsdocs.fhwa.dot.gov//JPODOCS/REPTS_TE/13631/TTM-32.html

Texas

Projekt des Ballungsraums San Antonio, Texas

	TransGuide **Metropolitan Model Deployment Initiative**
Ziele (objectives) generell	create “model deployments” of ITS that support integrated transportation management systems through strong, regional, multi-modal traveler information services.
Teilziel/Anwendung für Ballungsraum	increased level of delay, excess fuel consumption and lost time, driver frustration and environmental impacts inflict nearly $400 Million per year in losses on the San Antonio economy
Status	abgeschlossen
Zeitrahmen	10/1996 bis 03/2000
weitere Ballungsräume beteiligt an Projekt	
Art der Maßnahme/Dienste	
Nutzerperspektive	
kollektive Informationssysteme MIV	x
individuelle Informationssysteme MIV	x
Zustands- und Anschlussinformation ÖV	
Reisendeninformation multimodal	x
Straßenbenutzungsgebühren	

Parkraumbewirtschaftung	
Sonstige Gebühren	
Tarifgestaltung ÖV	
Betreiberperspektive	
Straßenverkehrsmanagement	x
Tarife und Gebühren für Straßennutzung	
Logistik im Straßengüterverkehr	
ÖV-Management	
Finanzierung ÖV	
Integriertes Verkehrsmanagement	x
Sonstiges	
Unfall- und Notdienststeuerung	x
Fahrzeugsicherheit	
Datenmanagement	
Anmerkungen	San Antonio war schon vor dem MMDI-Projekt mit ITS-Infrastruktur ausgestattet
Umsetzung	
Initiatoren, Auftraggeber	U.S. DOT
Technik (Art der Technik, vorhanden, neu)	Intelligent Vehicle Tags
Quelle	
Betreiber (privat/staatlich/?)	staatlich: Texas DOT, VIA Metropolitan Transit Authority, City of San Antonio Department of Public Works, City of San Antonio Police Department, City of San Antonio Fire Department privat: Alpine Electronics Research of America, Amtech, Systems Corporation, Southwest Research Institute, Navigation Technologies, Scientific Atlanta, Factura, Zexel USA, and H.B. Zachry
Zielgruppe der Maßnahme	San Antonio travelling public
Finanzierung	ITS-Fonds: 7.144.000 US $ gesamt: 13.954.500 US $
Begleitforschung	
Zusammenhang zu anderen Projekten	
Vorläufer	
gegenwärtig	
zukünftig	
Kontakt	
lokaler Ansprechpartner	Mark Olson, FHWA Texas Division, HPC-TX, +1-512-536-5972 Tom Newbern, Texas Department of Transportation, +1-512-416-3200 Pat Irwin, Texas Department of Transportation - San Antonio, +1-210-731-5249
Projektpartner	
Ergebnisse	
Art der Dokumentation	Evaluationsbericht/Final Report
Ergebnisse	-Stauverzögerungen durch alle Komponenten um insgesamt ca. 20% reduziert -Integrated freeway / arterial diversion corridors can significantly reduce delay, crash risk, and fuel consumption if operated in a careful, strategic fashion. -Pre-trip ATIS services can lead to reductions in delay, crash risk, and fuel consumption.

	-Travelers have a particular affinity for roadway information that is shared through camera images and travel times. -Informationsbedarf via Webseite größer als derzeitig reale Nutzung
warum Ziele nicht erreicht	
Erfolg noch offen, da Projekt noch nicht abgeschlos-sen	
Probleme bei Umsetzung/Einführung	integrated applications often involve multiple agencies, varied procedures, inconsistent technologies and competing, if not conflicting, visions
Akzeptanz der Maßnahme/des Vorhabens	Public Relations Campaign förderte öffentliche Akzeptanz, Projekt- und Verkehrsdateninformationen sind Reisenden wenig bekannt
weiterführende Projekte	
Literatur	
Ort der Literaturablage	http://www.itsdocs.fhwa.dot.gov/jpodocs/repts_te/9xv01!.pdf

Washington

Projekte des Ballungsraums Seattle/Greater Puget Sound Area (Washington/USA)

	Smart Trek Metropolitan Model Deployment Initiativ	**SWIFT Seattle Wide Area Information For Travel-ers**	**Smart Card**
Ziele (objectives) generell	providing improved safety and regional mobility through enhanced traffic management and regional, multimodal traveler information	IT solutions to transportation problems	a seamless, multi-modal fare collection system using contactless smart card technology
Teilziel/Anwendung für Ballungsraum	apply new technologies, including sensors, communications, and information systems to help the region better manage traffic, inform travelers of transportation options, and quickly respond to roadway incidents and changing conditions	Versorgung von Reisenden, die bestimmte Empfangsmedien nutzen (Pager, Laptop, fahrzeugintegriert), mit Informationen (Wetter, Staus, Verkehr)	regionales Gebührenprogramm, das Reisenden die Nutzung ver-schiedener Verkehrsmittel in den 4 Counties des Puget Sound mit einer einzigen Karte ermöglichen soll
Status	abgeschlossen	abgeschlossen	in Progress
Zeitrahmen	10/1996-05/2000	08/1994-01/1999	09/2000-03/2003
weitere Ballungsräume beteiligt an Projekt			
Art der Maßnahme/Dienste			
Nutzerperspektive			
kollektive Informationssysteme MIV	x	x	
individuelle Informationssysteme MIV	x	x	
Zustands- und Anschlussinformation ÖV	x		
Reisendeninformation multimodal	x	x	
Straßenbenutzungsgebühren	x		

Parkraumbewirtschaftung			
Sonstige Gebühren			x
Tarifgestaltung ÖV	x		x
Betreiberperspektive			
Straßenverkehrsmanagement	x		
Tarife und Gebühren für Straßennutzung	x		
Logistik im Straßengüterverkehr			
ÖV-Management	x		
Finanzierung ÖV			x
Integriertes Verkehrsmanagement			
Sonstiges			
Unfall- und Notdienststeuerung	x		
Fahrzeugsicherheit			
Datenmanagement			
Anmerkungen		Field Operational Test (FOT)	
Umsetzung			
Initiatoren, Auftraggeber	USDOT	FHWA	FHWA
Technik (Art der Technik, vorhanden, neu)	Transit Watch Transit Display System “Metro Online” Transit Web Site Cable Television Traffic TV WSDOT Traffic Information Web Site Fastline Personal Travel Companion	Seiko Receptor Message Watch in-vehicle FM subcarrier radio portable personal computer HSDS (High Speed Data System)-capable receiver devices	
Quelle			
Betreiber (privat/staatlich/?)	staatlich: WSDOT, FHWA, Federal Transit Administration, University of Washington, Washington State Ferries, Cities of Bellevue and Seattle ... privat: Boeing, ETAK, Microsoft, Metro Networks, Fastline, IBI Group, Battelle ...	staatlich: FHWA), WSDOT, King County Department of Metropolitan Services (Metro Transit) privat: Delco (GM), IBM, Etak, Seico, Metro Traffic Control	Metro Transit (Bus), Community Transit (Bus), Kitsap Transit (Bus), Pierce Transit (Express-Bus, Vanpool, Ridesharing, Shuttles), Everett Transit, Sound Transit, Washington State Ferries, PSCR (Puget Sound Regional Council)
Zielgruppe der Maßnahme	commuters and travelling public	ausgewählte Zielgruppe für Nutzung der zu testenden Endgeräte	Nutzer des öffentlichen Verkehrssystems
Finanzierung	ITS-Fonds: ca. 13 688 000 US $ privat: ca. 40 000 000 US $	ITS-Fonds: ca. 4 500 000 US $ privat: ca. 2 800 000 US $	ITS-Fonds: ca. 2 400 000 US $ gesamt: ca. 17 500 000 US $
Begleitforschung			
Zusammenhang zu anderen Projekten			
Vorläufer			
gegenwärtig		SST: Seattle Smart Traveler (University of Washington)	
zukünftig			
Kontakt			
lokaler Ansprechpartner	Michael Brower, FHWA Washington Division, HMO-WA (+1-360-753-9550) Pete Briglia, Washington State DOT (+1-206-543-3331)	Michael Brower, FHWA Washington Division, HMO-WA (+1-360-753-9550) Larry Senn, Washington State DOT, (+1-206-543-6741)	Linda Gehrke, FTA Region 10 (+1-206-220-4463) Candace Carlson, King Co. DOT"Metro" Transit (+1-206-684-1562); candace.carlson@metrokc.gov
Projektpartner			

Ergebnisse			
Art der Dokumentation	Evaluationsbericht	Evaluationsbericht	
Ergebnisse	Staupeaks (durch Pendler) reduzierbar durch Verkehrsinformationsmanagement und angepasste Signalanlagenregelung bzw. Ramp Metering		
warum Ziele nicht erreicht			
Erfolg noch offen, da Projekt noch nicht abgeschlossen			x
Probleme bei Umsetzung/Einführung	Sicherstellung der Finanzierung durch privaten Sektor		
Akzeptanz der Maßnahme/des Vorhabens	große Nutzerakzeptanz der WSDOT-Website mit verändertem Reiseverhalten v.a. bei Berufspendlern und Reduzierung der Staupeaks	majority of SWIFT users indicated that they found traffic incident and congestion information to be very important for making travel decisions	
weiterführende Projekte			
Literatur			
Ort der Literaturablage	http://www.itsdocs.fhwa.dot.gov/jpodocs/repts_te/@3301!.pdf	http://www.itsdocs.fhwa.dot.gov/jpodocs/repts_te/73_01!.pdf	http://transit.metrokc.gov/prog/smartcard/smartcard.html

Charakteristika der betrachteten Ballungsräume

Arizona

Greater Phoenix Metropolitan Area

Kernstadt	**Phoenix City**
Einwohner Kernstadt	1.321.045
Städte im Einzugsgebiet	Gilbert, Mesa, Scottsdale, Peoria, Glendale, Tempe, Chandler, Paradise Valley
Einwohner Städte des Einzugsgebietes	1,2 Mio. (geschätzt)
Bevölkerung (1000)	**ca. 2,5 Mio.**
Fläche (qkm)	4.700
Einwohnerdichte	505
Besonderheiten	Hauptstadt und gleichzeitig größte Stadt im Bundesstaat
Pkw-Dichte (Fahrzeuge/Haushalt)	1,6 (für Phoenix City)

ÖV-Angebot	Valley Metro City Buses BusRapidTransit DASH (Downtown Area Shuttle) Light Rail (eine Art Trolley-Bus)
durchgeführte Projekte	• AZTech (Metropolitan Model Deployment Initiative) • ATLAS • CVISN

Kalifornien

	San Francisco	**Los Angeles**
Kernstadt	**San Francisco City**	**Los Angeles City**
Einwohner Kernstadt	**776.733**	3.694.820
Städte im Einzugsgebiet	Brisbane, Oakland, Gilroy, San Jose	Long Beach, Santa Ana, San Fernando Valley, Burbank, Glendale, San Gabriel Valley
Einwohner Städte des Einzugsgebietes	ca. 2,2 Mio.	ca. 8 Mio
Bevölkerung (1000)	**ca. 2,9 Mio.**	**ca. 11,7 Mio.**
Fläche (qkm)	1.113	4.355
Einwohnerdichte	18.100	18.300
Besonderheiten		größte Stadt des Bundesstaates
Pkw-Dichte (Fahrzeuge/Haushalt)	0,6 (San Francisco City)	1,4 (Los Angeles City)
ÖV-Angebot	BART (Bay Area Rapid Transit)= Zug San Francisco Muni (bus, streetcar, and cable car service) Caltrain (commuter rail service) Fähre	Big Blue Bus Co. (Bus) Metro Rail system
durchgeführte Projekte:	TravInfo Integrated Transportation Management System Project	Smart Traveler Bus Signal Priority

New York – New Jersey - Connecticut

New York-New Jersey-Conneticut

Kernstadt	**New York City**
Einwohner Kernstadt	8.008.000
Städte im Einzugsgebiet	
Einwohner Städte des Einzugsgebietes	ca. 13,1 Mio
Bevölkerung (1000)	**ca. 21 Mio.**
Fläche (qkm)	ca. 34.000
Einwohnerdichte	5.250
Besonderheiten	ältestes Subway-System der Welt
Pkw-Dichte (Fahrzeuge/Haushalt)	0,6 (für New York City)
ÖV-Angebot	MTA: New York City Transit (Bus und Bahn) Long Island Bus Metro-North Rail Road LIRR: Long Island Rail Road Subway, Trolleys and Busse (auch offene Doppeldecker), Fähren, Flugverkehr
durchgeführte Projekte:	TRIPS123=iTravel (Metropolitan Deployment Initiative) TRANSCOM Congestion Management Program Electronic Screening/Toll Collection

Minnesota

Twin Cities Metro Area

Kernstädte	**Minneapolis**	**St. Paul**
Einwohner Kernstadt	**382.618**	**287.151**
Städte im Einzugsgebiet	Bloomington, Stillwater, Hastings, Roseville, Shakopee, Egin, Edina, Shoreview	
Einwohner Städte des Einzugsgebietes	ca. 2,3 Mio.	
Bevölkerung (1000)	**2.968.806**	
Fläche (qkm)	ca. 16.500	
Einwohnerdichte	1.268	
Besonderheiten	größte Stadt des Bundesstaates	Hauptstadt des Bundesstaates
Pkw-Dichte (Fahrzeuge/Haushalt)	1,25 (Minneapolis City)	1,7 (St. Paul City)
ÖV-Angebot	Metro Transit (Bus) Hiawatha Light Rail Transit	
durchgeführte Projekte:	Guidestar: - TRAVLINK - TRILOGY - GENESIS Orion Twin Cities Metro Area ITS Integration Project Ramp Meter Evaluation Highway Helper	

Texas

	San Antonio
Kernstadt	**San Antonio City**
Einwohner Kernstadt	1.144.646
Städte im Einzugsgebiet	Castroville, Fredericksburg, Gruene, New Braunfels, Luckenbach, Bandera, Boerne, San Marcos, Kerrville,
Einwohner Städte des Einzugsgebietes	ca. 180.000
Bevölkerung (1000)	**ca. 1,3 Mio.**
Fläche (qkm)	ca. 8.700
Einwohnerdichte	1.200
Besonderheiten	
Pkw-Dichte (Fahrzeuge/Haushalt)	1,5
ÖV-Angebot	SATRANS (Airport Shuttle Service) VIA Metropolitan Transit (City Bus Services) SAT (San Antonio International Airport)
durchgeführte Projekte:	TransGuide (Metropolitan Model Deployment Initiative)

Washington

Puget Sound

Kernstadt	**Seattle**
Einwohner Kernstadt	563.374
Städte im Einzugsgebiet	Bellevue, Everett, Southworth, Tacoma, Bremerton, Port Orchard, Shelton
Einwohner Städte des Einzugsgebietes	ca. 2,7 Mio.
Bevölkerung (1000)	**ca. 3,2 Mio.**
Fläche (qkm)	ca. 15.000
Einwohnerdichte	1.207
Besonderheiten	Platz 6 der Städte mit den meisten Staus, Top Ten der beliebtesten Regionen zum Leben; Seattle ist die größte Stadt des Bundesstaates
Pkw-Dichte (Fahrzeuge/Haushalt)	1,8
ÖV-Angebot	Zug (Amtrak) Fähre Carpools/Vanpools Bus Fluglinien non-motorized transportation facilities (Fahrradangebote)
durchgeführte Projekte:	• Smart Trek (Metropolitan Model Deployment Initiative) • SWIFT (Seattle Wide Area Information For Travelers) • CVISN • PuSHME (Puget Sound Help Me) • Smart Card • Smart Traveler • FAME

Linkliste USA

USA – Programme und Konzepte

Legislative allgemein

Thema	Link	Inhalt
Constitution of the United States	http://www.law.emory.edu/FEDERAL/usconst.html	die gesamte Verfassung mit Erläuterungen und Dokumenten-Download
Administrative Codes and Registers	http://www.nass.org/acr/internet.html	Links zu Homepages und Gesetzestexten der Verwaltungsgerichte aller Bundes-staaten
Law and Legislation	http://www.leg.state.mn.us/lrl/links/legal.asp	Links zu Gesetzen und Verordnungen auf Staats- und Bundesebene

National Architecture

Thema	Link	Inhalt
National Architecture	http://itsarch.iteris.com/itsarch/	
Key Concepts	http://itsarch.iteris.com/itsarch/html/static/key_b.htm	Zusammenfassung zur National Architecture
Logical Architecture	http://itsarch.iteris.com/itsarch/html/menu/laindex.htm	
Physical Architecture	http://itsarch.iteris.com/itsarch/html/menu/paindex.htm	
Market Packages	http://itsarch.iteris.com/itsarch/html/mp/mpindex.htm	
User Services and User Bundles	http://itsarch.iteris.com/itsarch/html/user/userserv.htm	
Standards	http://www.its.dot.gov/aconform/aconform.htm	Konformitätsvorgaben zur Projektimplementierung
	http://www.its-standards.net/	Standards und einzelne Dienste

Transportation Equity Act for the 21st Century (TEA-21)

Thema	Link	Inhalt
Surface Transportation Reauthorization	http://www.fhwa.dot.gov/reauthorization/	Hintergründe zur neuen Bevollmächtigung, Zeitstrahl zum Ablauf
TEA 21	∟ http://www.fhwa.dot.gov/tea21/index.htm	Gesetzesvorlagen, Aktualisierungen, Informationen zu Gesetzgebung, Finanzie-rung, Budgetplanung
	∟ sumtoc.htm	Inhaltsverzeichnis, Links zu allen Themen und Programmen im Bereich Verkehr und Infrastruktur in Amerika auf Basis von TEA21 listend

TEA-3

Thema	Link	Inhalt
TEA-3	http://www.tea3.org/default.asp	Homepage des Surface Transportation Policy Projects (STTP) zu TEA-3
Surface Transportation Policy Project	http://transact.org/	politische Aktionsseite mit Daten zum Verkehr in den Bundesstaaten
Alliance for the New Transportation Charter	http://www.antc.net/	politische Interaktionsseite mit News rund um die Reauthorization

ITS Projects Book

Thema	Link
ITS Projects Book	http://www.itsdocs.fhwa.dot.gov/jpodocs/repts_te/13631.html
Achtung: Das Projektbuch wird jährlich neu erstellt. Der angegebenen Link bietet Zugang zum Index des aktuellen ITS-Projektbuchs. 2003 besteht aus elf Sektionen:	

Inhalt des Projects Book 2003:	
Section One: **Introduction**	→ http://www.itsdocs.fhwa.dot.gov/jpodocs/repts_te/13631/Section1_Introduction.htm

Section Two: **Metropolitan ITS Infrastructure**	http://www.itsdocs.fhwa.dot.gov/jpodocs/repts_te/13631/→
• Introduction	→ Section2_Introduction.htm
• Arterial Management Systems	→ project_toc.htm#Sec2_Arterial
• Freeway Management Systems	→ project_toc.htm#Sec2_Freeway
• Transit Management Systems	→ project_toc.htm#Sec2_Transit
• Incident Management Systems	→ project_toc.htm#Sec2_Incident
• Emergency Management Systems	→ project_toc.htm#Sec2_Emergency
• Electronic Toll Collection	→ project_toc.htm#Sec2_Toll
• Electronic Fare Payment	→ project_toc.htm#Sec2_Fare
• Highway Rail Intersection	→ project_toc.htm#Sec2_Rail
• Regional Multimodal Traveler Information	→ project_toc.htm#Sec2_RMMTI
• Integrated Systems - Corridors	→ project_toc.htm#Sec2_corridors
• Integrated Systems - Statewide / Regional Integration Programs	→ project_toc.htm#Sec2_statewide → project_toc.htm#Sec2_statewide
• Integrated Systems - Individual Projects	→ project_toc.htm#Sec2_Individual
• Integrated Systems - Metropolitan Model Deployment Initiative	→ project_toc.htm#Sec2_mmdi
• Special Purpose	→ project_toc.htm#Sec2_special
• Completed Projects	→ project_toc.htm#Sec2_Completed

Section Three: **Rural and Statewide Infrastructure** • Introduction • Surface Transportation Weather • Emergency Services • Statewide / Regional Traveler Information Infrastructure • Rural Transit Mobility • Rural Traffic Management • Highway Operations and Maintenance • Integrated Systems • Completed Projects	http://www.itsdocs.fhwa.dot.gov/jpodocs/repts_te/13631/→ → Section3_Introduction.htm → project_toc.htm#Sec3_Surface → project_toc.htm#Sec3_Emergency → project_toc.htm#Sec3_Statewide → project_toc.htm#Sec3_Transit → project_toc.htm#Sec3_Traffic → project_toc.htm#Sec3_Highway → project_toc.htm#Sec3_Integrated → project_toc.htm#Sec3_Completed

Section Four: **Public Safety** Introduction Public Saftey Systems	http://www.itsdocs.fhwa.dot.gov/jpodocs/repts_te/13631/→ → Section4_Introduction.htm → project_toc.htm#Sec4_Safety

Section Five: **Commercial Vehicle ITS Infrastructure** Introduction Safety Assurance Credentials Administration Electronic Screening Integrated Systems Commercial Vehicle Operations Completed Projects	http://www.itsdocs.fhwa.dot.gov/jpodocs/repts_te/13631/→ → Section5_Introduction.htm → project_toc.htm#Sec5_Safety → project_toc.htm#Sec5_Credentials → project_toc.htm#Sec5_Electronic → project_toc.htm#Sec5_Integrated → project_toc.htm#Sec5_CVO → project_toc.htm#Sec5_Completed

Section Six: **Intermodal Freight** Introduction Intermodal Freight	http://www.itsdocs.fhwa.dot.gov/jpodocs/repts_te/13631/→ → Section6_Introduction.htm → project_toc.htm#Sec6_intermodal

Section Seven: **Intelligent Vehicle Initiative (IVI)** Introduction Driver Assistance – All Platforms – Safety Systems Driver Assistance – Transit Platform Specific – Commercial Vehicles Completed Projects	http://www.itsdocs.fhwa.dot.gov/jpodocs/repts_te/13631/→ → Section7_Introduction.htm → project_toc.htm#Sec7_Safety → project_toc.htm#Sec7_transit → project_toc.htm#Sec7_commercial → project_toc.htm#Sec7_completed

Section Eight: **Evaluation / Program Assessment** Introduction Research Completed Projects	http://www.itsdocs.fhwa.dot.gov/jpodocs/repts_te/13631/→ → Section8_Introduction.htm → project_toc.htm#Sec8_research → project_toc.htm#Sec8_completed

Section Nine: **Architecture, Standards, and National Compatibility Planning** Introduction Research Deployment Support Regional ITS Architectures Completed Projects	http://www.itsdocs.fhwa.dot.gov/jpodocs/repts_te/13631/→ → Section9_Introduction.htm → project_toc.htm#Sec9_research → project_toc.htm#Sec9_deploy → project_toc.htm#Sec9_regional → project_toc.htm#Sec9_completed

Section Ten: **Mainstreaming** Introduction Early Deployment Planning Deployment Support Completed Projects	http://www.itsdocs.fhwa.dot.gov/jpodocs/repts_te/13631/→ → Section10_Introduction.htm → project_toc.htm#Sec10_early → project_toc.htm#Sec10_deployment → project_toc.htm#Sec10_completed

Section Eleven: **Other Related Programs** Introduction Research Completed Projects	http://www.itsdocs.fhwa.dot.gov/jpodocs/repts_te/13631/→ → Section11_Introduction.htm → project_toc.htm#Sec11_research → project_toc.htm#Sec11_completed

Detailed Table of Contents Alphabetical Project Index	http://www.itsdocs.fhwa.dot.gov/jpodocs/repts_te/13631/project_toc.htm http://www.itsdocs.fhwa.dot.gov/jpodocs/repts_te/13631/project_index.htm

USA – Projekte

Arizona

Thema	Link	Inhalt
Public Transportation in Arizona	http://www.ci.phoenix.az.us/PUBTRANS/pubtridx.html	Zuständigkeiten, Agenturen, Services
	http://www.valleymetro.org/	ÖV-Anbieter, Karten, Fahrpläne, Informationen zu ÖV-Möglichkeiten
	http://www.azrail.org/transit/	ÖV-Anbieter, Informationen zur Geschichte
Sun Tran	http://www.suntran.com/index.htm	Dienstleistungen des größten Anbieters in Arizona
Light Rail	http://www.valleyconnections.com/	alles über Light Rail (Mischung aus O-Bus und Tram)
AZTech	http://www.aztech.org/	Projektseite mit Informationen

California

Thema	Link	Inhalt
San Francisco	http://www.visitsanfrancisco.net/	Besucherinformationen (Übernachtung, Verkehrsmittel, Sights)
Los Angeles	http://www.visitlosangeles.com/	Besucherinformationen (Übernachtung, Verkehrsmittel, Sights)
Transit Information (San Francisco)	http://www.transitinfo.org/	Routenplaner, Karten, Agenturen und Dienstleister
	http://www.cccan.org/sanfran.html	County Information, Agenturen, Dienstleister, Tripplaner, Berufspendlerangebote
	http://www.bart.gov/index.asp	Angebote von BART (Bay Area Rapid Transit)
	http://www.caltrain.com/	Zugfahrtzeiten, Routenplaner
	http://www.dot.ca.gov/hq/transprog/reports/Official_CMAQ_Web_Page.htm	Transportation Management und Air Quality

Minnesota/Twin Cities

Thema	Link	Inhalt
Public Transit in der Twin Cities Area	http://www.metrocouncil.org/transit/index.htm	Tarife, Fahrpläne, Angebote und Dienstleistungen
Area Information	http://www.exploreminnesota.com	Touristeninfos zu Minnesota
	http://www.twincities.worldweb.com/index.html	Informationen aller Art zu Twin Cities Metro Area
Programme	http://www.itsdocs.fhwa.dot.gov/jpodocs/pressrel/5$701!.HTM	Informationen zu SmarTraveler

Texas/San Antonio

Thema	Link	Inhalt
Area Info	http://www.ci.sat.tx.us/ = http://www.sanantonio.gov/	DAS Portal zu San Antonio (Sehenswürdigkeiten, Echtzeitverkehrsinfos etc.)
Transit in Texas	http://www.apta.com/sites/transus/tx.htm	Links zu (Bus)Agenturen und Dienstleistern
Transit in San Antonio	http://www.viainfo.net/	Echtzeitverkehrsinfos, Fahrpläne, Änderungen, Agenturen

Tri-State Area New York-New Jersey-Conneticut

Thema	Link	Inhalt
TRANSCOM	http://www.xcm.org/	alle zu Transcom gehörenden Organsationen, Hintergrundinfos
Transit	http://www.itravel.org/Itravel/NYCarriers.htm	Buslinien
	http://www.mta.nyc.ny.us/index.html	MTA (Metropolitan Transit Authority), alle Infos zu Bus, Bahn etc.
	http://www.nytransit.org/	NYPTA (New York Public Transit Association), non-profit Zusammenschluss diverser Transit-provider
NY DOT	http://www.ci.nyc.ny.us/html/dot/	Homepage des Verkehrsdepartments

Seattle/Puget Sound

Thema	Link	Inhalt
Area Information	http://www.psrc.org/	Informationen aller Art (Counties, Naturschutz, Erholungsangebote)
	http://www.gonorthwest.com/Washington/puget/Puget_Sound.htm	Informationen aller Art (Counties, Naturschutz, Erholungsangebote)

III Australien

Tabelle 28: Spezielle Angaben zu Ballungsräumen in Australien

Adelaide

	Australien/South Australia
Kernstadt	**Adelaide City**
Einwohner Kernstadt	ca. 30.000
Städte im Einzugsgebiet	Prospect, Walkerville, Unley, Norwood, Payneham, St. Peters, Burnside, West Torrens
Einwohner Städte des Einzugsgebietes	ca. 1 Mio.
Bevölkerung (1000)	**ca. 1,07 Mio.**
Fläche (qkm)	ca. 800
Einwohnerdichte	1.290
Besonderheiten	Hauptstadt von S.A.; ca. 70 % der gesamten Bevölkerung S.A.
Pkw-Dichte (je 1.000 Einwohner)	475
ÖV-Angebot	Serco Adelaide Buses Train and Tram (TransAdelaide) O-Bahn (Kombination aus Bus und Tram)
durchgeführte Projekte	• ACTS (Adelaide Co-ordinated Traffic Systems) • Southern Expressway • Taxi Dispatch systems • TransAdelaide Railway Signalling System

Brisbane

	Australien/Queensland
Kernstadt	**Brisbane City**
Einwohner Kernstadt	898.380
Städte im Einzugsgebiet	Pine Rivers, Redcliffe, Redland, Gold Coast, Beaudesert, Caboolture, Ipswich, Logan
Einwohner Städte des Einzugsgebietes	ca. 750.000
Bevölkerung	**ca. 1,65 Mio.**
Fläche (qkm)	1.331
Einwohnerdichte	1.020
Besonderheiten	Australiens drittgrößte Stadt
Pkw-Dichte (je 1.000 Einwohner)	458
ÖV-Angebot	Council Buses Züge (Queensland Rail) Fähre (CityFerry)
durchgeführte Projekte	• BLISS (Brisbane Linked Intersection Signal System) • RAPID (Bus Priority and Passenger Information System) • Electronic Ticketing • Electronic Toll Collection • Freeway Management System • Inner Northern Busway • Inner-City Bypass • Parking Guidance System • Port of Brisbane Overmass Container Authorisation System • South East Transit • Tidal Flow & Bus Lane

Melbourne

	Australien/Victoria
Kernstadt	**Melbourne City**
Einwohner Kernstadt	60.745
Städte im Einzugsgebiet	Werribee, Dandenong, Healesville, Geelong, Frankston
Einwohner Städte des Einzugsgebietes	ca. 3,1 Mio.
Bevölkerung (1000)	**ca. 3,22 Mio.**
Fläche (qkm)	7.800
Einwohnerdichte	1.640
Besonderheiten	Hauptstadt von Victoria
Pkw-Dichte (je 1.000 Einwohner)	446
ÖV-Angebot	Zug, Bus, Tram
durchgeführte Projekte:	• ACIDS (Automatic Congestion and Incident Detection System) • AVM (Automatic Vehicle Monitoring) • Driver Simulation System • Drive Time • DUST (Dial Up System for Traffic) • Electronic Toll Collection • RAS-GIS (Geographic Information System) • PGS (Parking Guidance System) • SCATS (Sydney Co-ordinated Adaptive Traffic Control System) • Smart Bus • Taxi security system • TCCC (Traffic Control and Communications Centre) • TRAM Priority System • VISTA

Perth

	Australien/Western Australia
Kernstadt	**Perth (City)**
Einwohner Kernstadt	80.500
Städte im Einzugsgebiet	Fremantle, Spearwood, Melville, Nedlands, Stirling, Cottesloe, Cannington, Balcatta, Armadale
Einwohner Städte des Einzugsgebietes	ca. 1,1 Mio.
Bevölkerung (1000)	**ca. 1,26 Mio.**
Fläche (qkm)	5.370
Einwohnerdichte	1.080
Besonderheiten	Hauptstadt von WA
Pkw-Dichte (je 1.000 Einwohner)	475
ÖV-Angebot	Bus, Zug, Fähre (Transperth)
durchgeführte Projekte:	• Incident Management System • Information System On City Central Area Transit (Bus) Service) • Trial Real Time Passenger CATS (Real Time Passenger Information System on New High Frequency Bus Route

Sydney

	Australien/New South Wales
Kernstadt	**City of Sydney**
Einwohner Kernstadt	13.500
Städte im Einzugsgebiet	
Einwohner Städte des Einzugsgebietes	ca. 3,72 Mio.
Bevölkerung (1000)	**ca. 3,738 Mio.**
Metrop. Fläche (qkm)	12.406
Einwohnerdichte	1.760
Besonderheiten	Hauptstadt von NSW; älteste und größte Stadt Australiens
Pkw-Dichte (je 1.000 Einwohner)	412
ÖV-Angebot	Zug (City Circle Train, Monorail) Bus Fähre
durchgeführte Projekte	• ANTTS (Automatic Network Travel Time System) • Electronic Toll Collection • Incident Management System • Quiktrak • SCATS (Sydney Co-ordinated Adaptive Traffic Control System)

Linkliste Australien

Legislation

Thema	Link	Inhalt
Australian Transportation Safety Bureau	http://www.atsb.gov.au/	
Australian Institute for Traffic Management and Planning	http://www.aitpm.org.au/	
Australian Transport Council	http://www.atcouncil.gov.au/	
Department of Transport and Regional Services	∟ http://www.dotars.gov.au/dept/legislation/index.htm	Australia Legislation
Transportation Science and Technology	http://scitech.dot.gov/	
Bureau of Transport and Regional Economics	∟ http://www.btre.gov.au/docs/wp_51/index.htm	Working Paper 51 Regional Public Transport in Australien
National Greenhouse Strategy	http://ngs.greenhouse.gov.au/	
Australian Commonwealth Government Information	http://www.fed.gov.au/KSP/	
National Office of Local Government	http://www.nolg.gov.au/	
Australian Automobile Association	http://www.aaa.asn.au/	
AUSTROADS	http://www.austroads.com.au/default.html	
National Transport Secretariat	http://www.nts.gov.au/	

Victoria/Melbourne

Thema	Link	Inhalt
Melbourne 2030	http://www.melbourne2030.vic.gov.au/	öffentliche Projektseite
	http://www.the-silo.com/melbourne2030/	private Projektseite
City Link Melbourne	http://www.transurban.com.au/	private Projektseite
	http://www.citylink.vic.gov.au/	öffentliche Projektseite
Melbourne	http://www.melbourne.vic.gov.au/	öffentliche Stadtseite
Victoria Department of Infrastructure	http://www.doi.vic.gov.au/	
Victoria Government	http://www.vic.gov.au/	öffentliche Startseite zu VIC

New South Wales/Sydney

Thema	Link	Inhalt
Sydney	http://www.sydney.com.au/	private Stadtseite
NSW Department of Transport	http://www.transport.nsw.gov.au/	
Roads and Traffic Authority NSW	http://www.rta.nsw.gov.au/	
Greater Western Sydney	http://www.gws.org.au/	öffentliche Projektseite
Western Sydney Orbital Website	http://www.wso.net.au/	private Projektseite
Action For Public Transport NSW	http://www.aptnsw.org.au/	Aktivistenseite
New South Wales Government	http://www.nsw.gov.au/	öffentliche Startseite zu NSW

South Australia/Adelaide

Thema	Link	Inhalt
Adelaide	http://www.adelaide.sa.gov.au/	öffentliche Website der Stadt
	http://www.id.com.au/adelaide/commprofile/	Census Data
Transport SA	http://www.transport.sa.gov.au/index.asp	
Department of Urban Transport and Planning	http://www.dtup.sa.gov.au/	
Government of South Australia	http://www.sa.gov.au/	öffentliche Startseite zu SA

Queensland/Brisbane

Thema	Link	Inhalt
TransInfo	http://www.transinfo.qld.gov.au/	Verkehrsprojekt
Brisbane	http://www.brisbane.qld.gov.au/	öffentliche Website der Stadt
Brisbane	http://www.ourbrisbane.com/	private Website der Stadt
Queensland Rail	http://www.qr.com.au/	ÖV-Betreiber
Queensland Transport	http://www.transport.qld.gov.au/	
SEQ2021	http://www.seq2021.qld.gov.au/default.asp	öffentliche Projektseite
Queensland Government	http://www.qld.gov.au/	öffentliche Startseite zu QLD

Western Australia/Perth

Thema	Link	Inhalt
Perth	http://www.perth.wa.gov.au/	öffentliche Stadtseite
Department for Planning and Infrastructure	http://www.dpi.wa.gov.au/	
Western Australia Government	http://www.wa.gov.au/	öffentliche Startseite zu WA

Allgemeines

Thema	Link	Inhalt
World Association of the Major Metropolises	http://www.metropolis.org	Kurzprofile der größten Städte der Welt
Urban Transport Fact Book	http://www.publicpurpose.com/	Verkehrsprofile und Fakten großer Städte weltweit
Informed Decisions	http://www.id.com.au	Census Data und Marktanalysen, Community Snapshot
CSIRO	http://www.cmis.csiro.au/ITS/index.htm	

Organisationen

Thema	Link	Inhalt
ITS Australia	http://www.its-australia.com.au/	Organisation zur Förderung der Entwicklung sicherer und effizienter Verkehrssysteme unter Einsatz der Telematik
Department of Transpoprt and Regional Services - DOTARS	http://www.dotars.gov.au/	Homepage des Verkehrsministeriums

Literatur

(Halbritter, G., u.a., 2002) Verkehr in Ballungsräumen – Mögliche Beiträge von Telematiktechniken und –diensten für einen effizienteren und umweltverträglicheren Verkehr. Beiträge zur Umweltgestaltung A149; Erich Schmidt Verlag, Berlin 2002

(Kuhfeld, H., Schlör, H., Voigt, U. 1996) Ökonomische Folgenanalyse im Rahmen des TAB-Projekts „Optionen zur Entlastung des Verkehrsnetzes und zur Verlagerung von Straßenverkehr auf umweltfreundlichere Verkehrsträger“. Deutsches Institut für Wirtschaftsforschung DIW Berlin.