Establishing a research information system as part of an integrated approach to information management

Frank Scholze, Jan Maier (AVEDAS), Regine Tobias

LIBER Conference, Barcelona, 30.6.2011
Outline

- Karlsruhe Institute of Technology (KIT)
- Karlsruhe integrated Information Management (KIM)
- CRIS and Repositories
- KIM-FIS - CRIS@KIT
KIT – Some facts

Campus North

Campus South

10 km, 15 min

- Thematic overlap
- Excellent synergy

<table>
<thead>
<tr>
<th>Helmholtz Mission</th>
<th>University Mission</th>
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<tbody>
<tr>
<td>12 Programs</td>
<td>11 Faculties</td>
</tr>
<tr>
<td>27 Institutes</td>
<td>130 Institutes</td>
</tr>
<tr>
<td>3.864 Employees</td>
<td>5.133 Employees</td>
</tr>
<tr>
<td>355 Mio. € Budget</td>
<td>20.700 Students</td>
</tr>
<tr>
<td>320 Mio. € Budget</td>
<td>2243 doctoral students</td>
</tr>
</tbody>
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F. Scholze: KIM-FIS, LIBER, Barcelona, 30.6.2011
The way to KIT

Decision of the Excellence Initiative:
October 13, 2006

Submission of the KIT concept
May 31, 2007

KIT Foundation
February 22, 2008

Corner stone paper
November 21, 2006

Signature of the KIT contract
December 13, 2007

KIT Law
July 24, 2009
KIT – One legal entity, two missions, three tasks
Outline

- Karlsruhe Institute of Technology (KIT)
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KIM- Integrated Information Management at KIT
Outline

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CRIS and OAR

- Support the entire life cycle of the research process
- Support strategic research planning
- Support the development of an e-science infrastructure

- Rich and contextual information network
- Integration and interoperability
Trends in Integration and Interoperability

- Developing repository into CRIS
- Repositories and CRIS as linked systems
- Developing CRIS into repository
Outline

- Karlsruhe Institute of Technology (KIT)
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Initial Situation

- Two publication databases (135,000 records)
- Two repositories (9000 records)
- Two project databases
- Two „cultures“ of research management and reporting

- 8000 staff
- 650 Mio. € turnover

- Multi-facetted Open Access strategy (policy, publication fund, institutional publishing house KIT Scientific Publishing)
KIM-FIS

- March 2010: Executive board of KIT initiates the project to build a CRIS

- July 2010: In a tendering process KIT decides to choose CONVERIS (by AVEDAS AG) as a software platform

- Agile development and long term development of the product in a strategic partnership of KIT and AVEDAS

- December 2010: First demonstrator presented to stakeholder groups
KIM-FIS: Think Big in Small Steps

CONVERIS

Projects

Publications

2011

2012

Study & Teaching

Innovation / Patents

KIM-FIS – back-end for reporting and evaluation at KIT

F. Scholze: KIM-FIS, LIBER, Barcelona, 30.6.2011
KIM-FIS: KIT Partners

- Project management:
  - Office of the Chief Information Officer (CIO)
  - President’s Office (PST)

- Partners:
  - KIT-Library (BIB)
  - Department of Research (FOR)

- Associate partners:
  - Steinbuch Center for Computing (SCC)
  - Innovation Department (IMA)
  - Department of Organization Development (ORBIT)
  - Public Relations and Marketing Department (PKM)
Comprehensive view on research information

Managing the research portfolio across system boundaries
KIM-FIS / CONVERIS: Repository Development

- Standardization (DINI Certificate)
- Interfaces
  - OAI-PMH
  - OpenAIRE
  - SWORD
- Usage statistics → OA Statistics, PIRUS (Counter)
- Long term archive formats (PDF/A)
- Persistent identifiers (DOI, URN)
- Integration into library workflows
- Roles and rights management
PREVention, Information and Early Warning pre-operational services to support the management of risks (PREVIEW)

Beschreibung
PREVIEW proposes to develop, at the European scale, new or enhanced information for risk management in support of Civil Protection Units and local or regional authorities making the best use of the most advanced research and technology outcomes in early observation services will be validated under pre-operational conditions. The risks from the direct impact of atmospheric events, from the hydrological consequences of geophysical events and in some cases be worsened or directly caused by human activity. The challenging issue is to enhance risk mitigation through better prediction, better and more accurate assessment at various time and spatial scales of situations at risk, and improved timely dissemination of meaningful and adapted early warning information to the public and to the operations at rescue forces. This has to be done in a flexible and efficient manner to develop risk awareness and culture. The main aim of PREVIEW is to improve the services contents, quality and harmonised information services supporting the decision making at the operational level, improve information collection, aggregation and intelligence methodologies, develop some cooperation work and inter-operability capacities among operators for a widespread application of the best solutions at national, regional, and European scale.
Internationalisation of information services for publishers' open access policies: the DINI multilingual integration layer

Scholze Frank

Zusammenfassung

It is essential for the strategy of open access self-archiving that scientific authors are given comprehensive information on publisher copyright policies. DINI, the German Initiative for Networked Information, has developed a German (and potentially multilingual) interface to the English SHERPA/RoMEO service to provide additional information on German publishers' open access policies. As a next step, this interface was enhanced to an integration layer combining different sources on publisher copyright policies. This integration layer can be used in many different contexts. Together with the SHERPA/RoMEO team, DINI aims to build an international support structure for open access information.

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Fachzeitschrift: Philosophy, Ethics, And Humanities In Medicine
Volltext: 1747-5341-3-19.pdf (PDF / 234.8 KB)
Information

- http://www.kit.edu/eeb/cio/index.php
- http://www.avedas.com

1st and 2nd Workshop on CRIS, CERIF and Institutional Repositories. May 2010 / 2011, Rome, Italy.
http://www.irpps.cnr.it/it/eventi/workshop-on-cris-cerif-and-institutional-repositories
http://www.irpps.cnr.it/it/eventi/2nd-workshop-on-cris-cerif-and-institutional-repositories-integrating-research-information-crisoar