

We contribute to realizing the potentials of technological progress while helping minimize its risks.

ITAS RESEARCH on AI

Some of the outcomes of our work:

- Identification of policy implications
- Advice on governance options for a responsible research and development
- Identification of regulatory and ethical requirements
- Responsible handling of potential risks
- Analysis and assessment of AI future visions
- Knowledge Transfer

Our addressees are politics, business, and society – the actors who shape scientific and technological progress.

Trust and Trustworthiness

Disinformation / Threats to democracy

Ethics and social challenges in technology fields

- Role of trust in the governance of AI
- Erosion of trust through mis- and disinformation by deepfake technologies
- Social acceptance
- Values

- Potential opportunities and limitations of governance through technology within complex institutional arrangements

- Potentials of the convergence of AI with other technologies
- Uncertain and sometimes partly unknown risks (anticipation), inform product development by dialogue with stakeholders (inclusion and reflection), and change and adapt innovation pathways to address public and ethical values and concerns (responsiveness), in order to implement responsible research and innovation (RRI) processes.

Social trust in learning systems

Tackling Deepfakes in the new AI Legislative Framework

Governance of and by Algorithms (GOAL)

Deepen Genomics: Opportunities and challenges of the convergence of artificial intelligence, human genomics, and genome editing

AI Space for Intelligent Health Systems (KI-SIGS)

Cooperative and Communicating AI methods for medical image-guided diagnostics (CoCoAI)

Autonomous Driving

Bio – Info – Nexus

Intelligent neuro-technology and prostheses now and in the future