

FOUNDATION FOR RESEARCH AND TECHNOLOGY – HELLAS

FORTH



Contributing to Scientific Knowledge and Research Applications

Areas of FORTH-ICS contributions to FuturICT

Ambient intelligence
Security

High Performance Computer Systems, Architecture, and VLSI

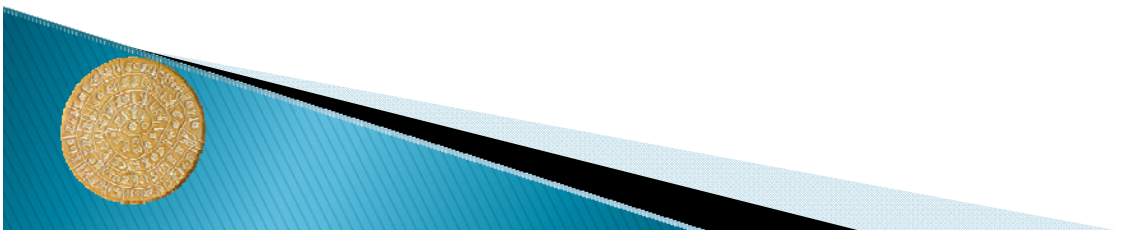
- Parallel computation, Cloud computing, Data centers
- Scalable storage, “Big Data” management, Infrastructure services
- Distributed and Grid computing, Social Networks

Information Systems, Data Mining, and Machine Learning

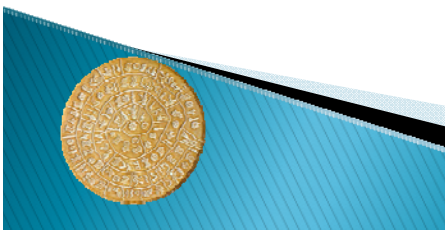
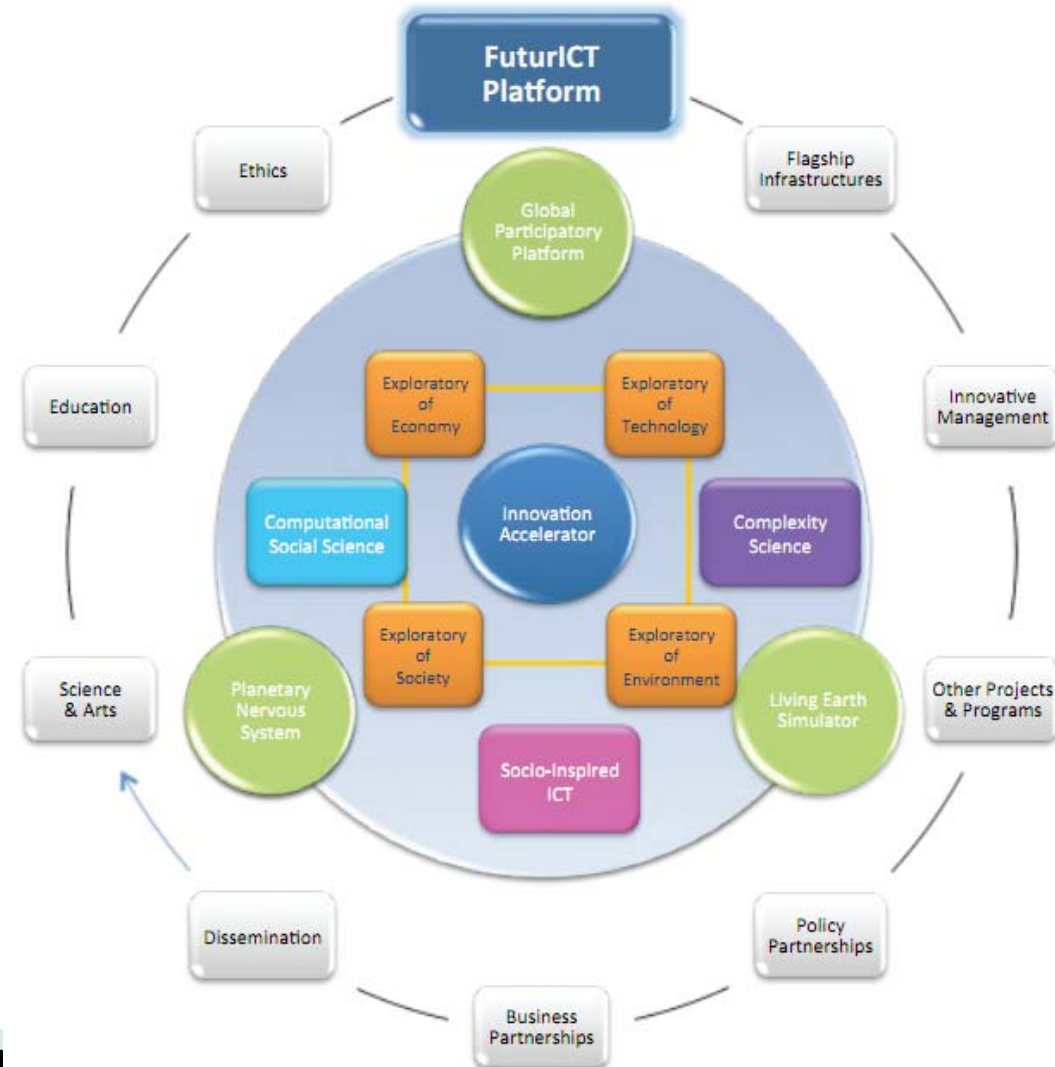
- Knowledge Integration
- Semantic data retrieval
- Wireless sensor networks and complex event processing
- Causal analysis of heterogeneous datasets and prior knowledge
- Graphical modeling and complex data visualization

The Human Connection

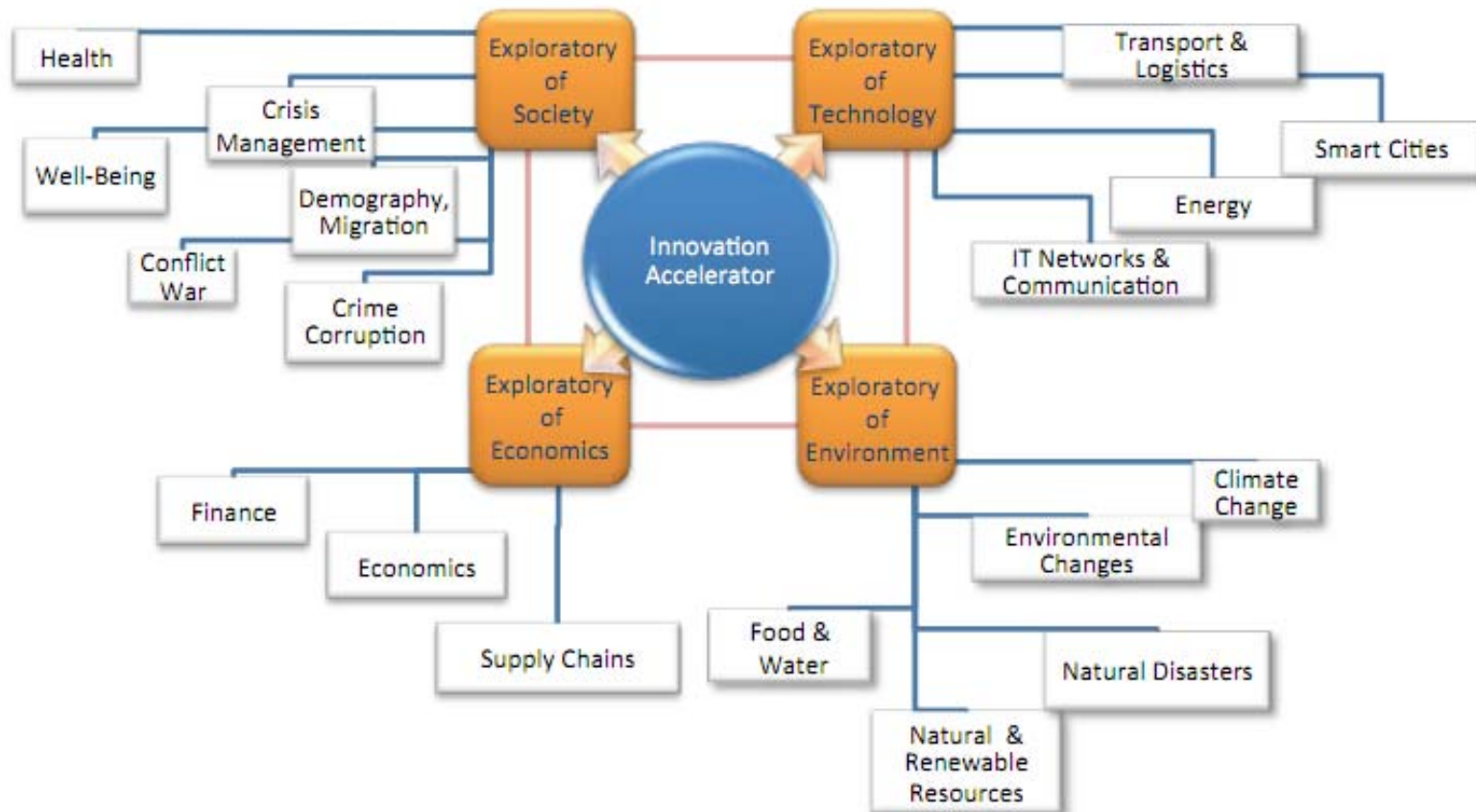
- Human-Computer interaction
- Computational Vision and Robotics



FuturICT - Overall view



FuturICT observatories



Interdependencies between FuturICT's main ICT components

