

Who we are

The University of Cologne

- One of the most successful universities in North Rhine-Westphalia
- 44.282 students document high attractiveness

The Regional Computing Centre - RRZK

- Provides and operates campus-wide services
- HPC infrastructure

Collaborative Working Environments

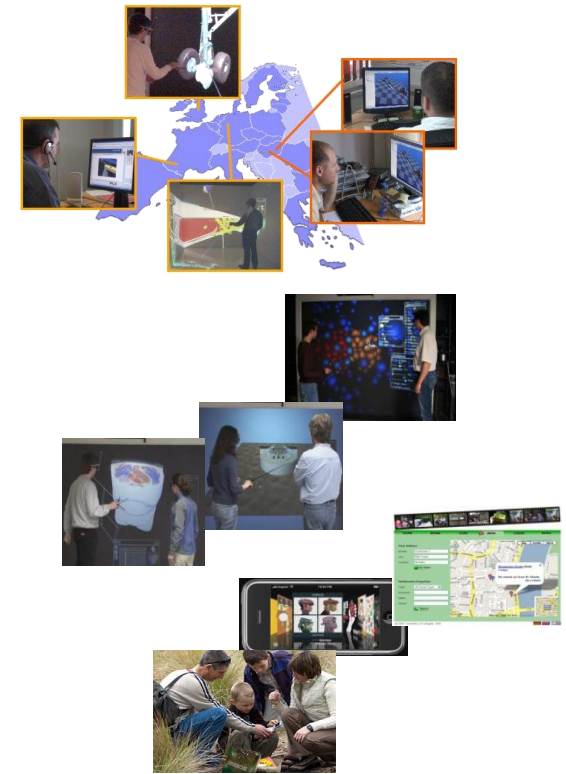
- EU IP CoSpaces: www.cospaces.org
- User centred working environments for individuals and teams

Interaction, Immersion and Augmentation

- VR/AR visualization + interaction techniques for simulation and design analysis
- Reconstruction + modelling

Networked Media and Communities

- EU IP CitizenMedia: www.mediacaching.org
- Support communities in generating and exchanging own contents



FI-PPP

Objective FI.ICT-2011.1.8

Use Case Scenario A: Distributed environment for Human Health Care

- Provision of distributed resources and collaboration support
- Real time processing and analysis of large scale data and simulations

Use Case Scenario B: Monitoring and forecasting environmental effects in urban areas

- Linking distributed sensors, compute and planning facilities
- Respond to (extreme) events, predict effects of local changes

Use Case Scenario C: An infrastructure for managing multi-medial content life cycles

- Provide a scalable framework to create, handle and distribute content from multiple sources
- Exploit sensors (LBS) and new devices for new forms of content retrieval and manipulation

Our Competence:

- Design and implementation of distributed solutions
- Organization and Execution of RTD for
 - Collaborative generation, manipulation and communication of multi medial contents
 - Efficient managing, processing and transferring large complex information
 - New forms of (web based) interactive visualization and media streaming
- Provision of a campus wide test and evaluation infrastructure

