



contract no. : 031891



RINGGrid

REMOTE INSTRUMENTATION IN NEXT-GENERATION GRIDS

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<http://www.ringgrid.eu/>



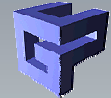
e-Infrastructure

4th e-Infrastructure Concertation Event 2007

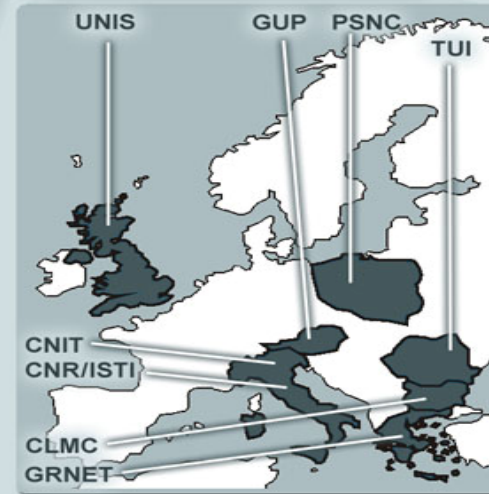
Consortium members



CLARA



cnit



UniS
University of Surrey



e-infrastructure

Project objectives

- **Specific Support Action**
- **18 months: from 1st October 2006 – 31 March 2008**

- **Identification of instruments** and user communities, definition of requirements

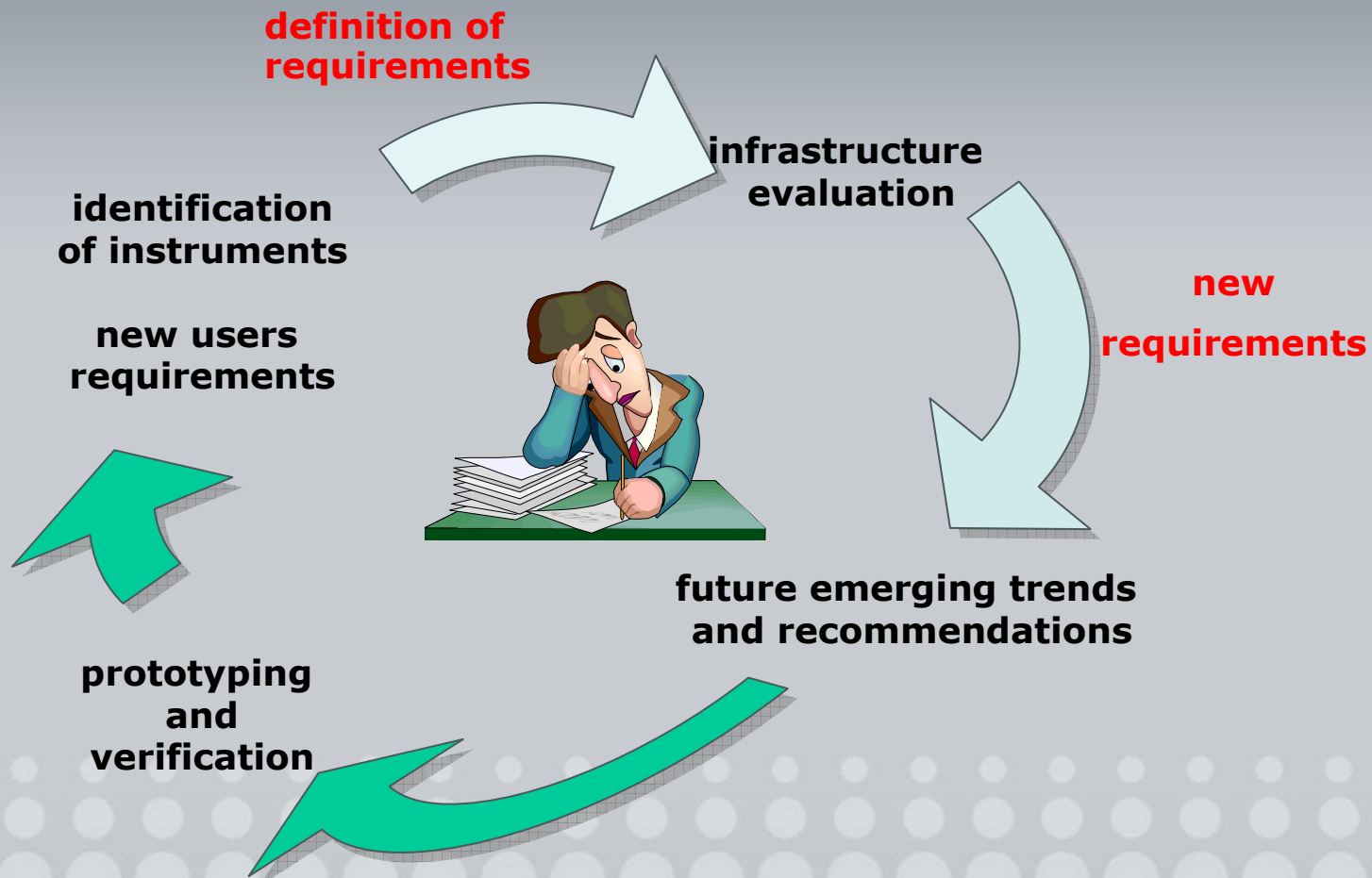
- **Synergy between remote instrumentation and next-generation high-speed communications networks and grid infrastructures**
 - **New generation e-Infrastructure**

- **Trend analysis and recommendations for designing next-generation remote instrumentation services**

- **Promoting egalitarian access to European e-Infrastructure opportunities**

- **Dissemination of project results to scientific and business groups of users**

Work plan outline



Work plan outline (cont.)

- Definition of **recommendations** and **guidelines** for the development of new user access solutions to Remote Instrumentation environments
- Identification of new groups of users related to scientific instruments
- Guidelines for the development of grid infrastructures for Remote Instrumentation environments
 - Adopting existing 'black boxes'
 - Finding out the missing functionality
- Verification phase
 - uses cases



Standards related work

- The goal is to propose a **conceptual design** of remote instrumentation integrated with eInfrastructure
 - A general framework environment is required
- Organisation of seminars and workshops on emerging technology trends
 - **INGRID 2007 – Instrumenting the GRID (April 2007)**
- Establishing an OGF research group
 - RISGE - **Remote Instrumentation Services in Grid Environment**
 - to explore issues related to the usage of advanced Grid capabilities in the process of monitoring as well as execution of measurement tasks and experiments on complex remote scientific equipment
 - to integrate approaches in defining remote access interfaces to sophisticated laboratory equipment in e-Infrastructure environments
 - it concerns steering, monitoring and user access to unique instruments
 - the advances of Grid technologies in areas such as interactivity and visualization will play an important role in the process of accessing remote devices
- To promote the concept (not a standard yet) on international fora
- Co-operation between projects



Thank YOU !



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