

## ISSUES AND KEY OBJECTIVES

- Co-development of Infrastructure and Applications
- Dynamic Grid Computing
- Investigate various user scenarios
- Design and develop user application portals
- Design and develop a Grid Application Toolkit
- Enhance real applications for the Grid
- Grid-enabled applications on real testbeds

# GridLab

## A Grid Application Toolkit and Testbed

European and US research institutions, along with leading computer vendors Sun and Compaq, have joined together to develop a Grid Application Toolkit (GAT).

The GridLab project is an international research project funded by the European Commission under the Fifth Framework Programme (IST-2001-32133).

The main objective of GridLab is to bring both new and legacy applications to the emerging Grid world. It will provide new, innovative tools, services and methodologies for efficient development of grid enabled applications.



### Participants:

Poznan Supercomputing and Networking Center (Poland), Project Coordinator

Albert Einstein Institute (Germany)

Masaryk University (Czech Republic)

Konrad-Zuse Zentrum (Germany)

University of Wales (UK)

Vrije University (Netherlands)

University of Lecce (Italy)

Computer and Automation Research Institute - SZTAKI (Hungary)

Institute of Communication and Computer Systems, National Technical University of Athens (Greece)

### US partners:

Argonne National Laboratory

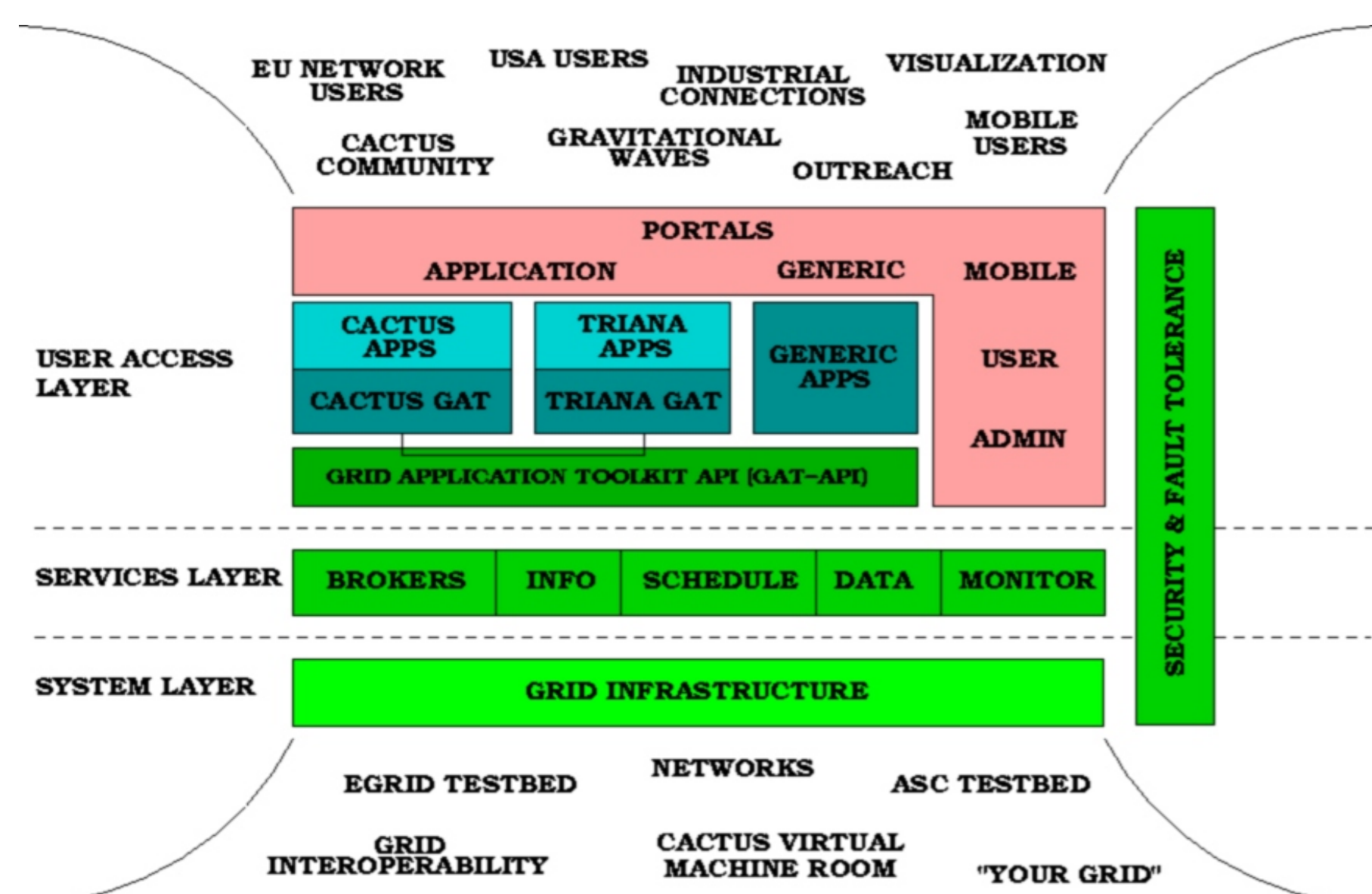
University of Wisconsin

University of Southern California

### Commercial partners:

Sun Microsystems Gridware GmbH (Germany)

Compaq Computer (France)



The GAT will contain independent modules for handling many different aspects of Grid programming, including simulation, performance and grid monitoring, resource brokering and resource selecting, performance prediction, interaction with information servers, security, notification, collaboration, data handling and remote application steering.

Contact:

[www.gridlab.org](http://www.gridlab.org)

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