GRIDSTART a European GRID coordination attempt

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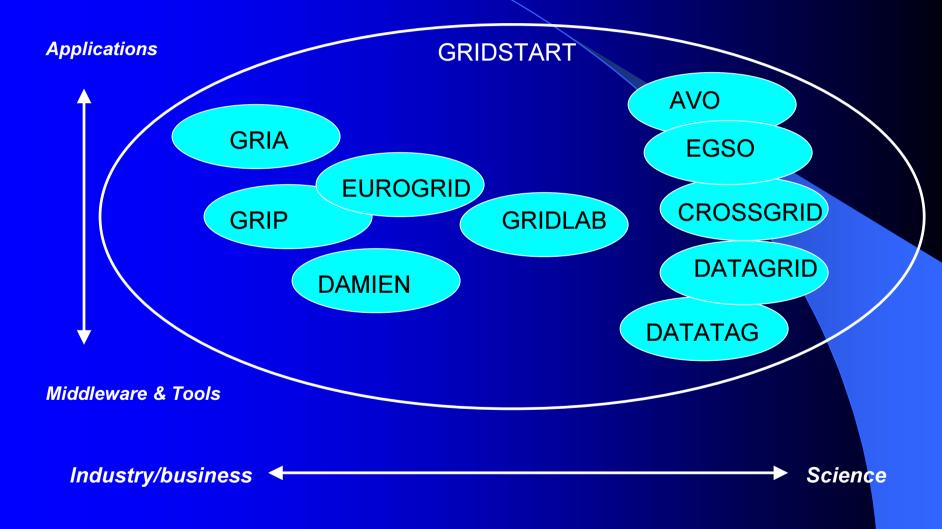
Outline

- Background
- High level goals
- Current status
- Next steps

Background

- European Commission funded Grid projects very early
 - €15 million in 2000, €20 million in 2001
 - 10 projects funded and running to date (8 more 2002 in negotiation €15 million)
 - Many have a strong scientific focus

EU Projects



2002 projects

- 9 projects in 2002 (last call FP5)
 - FLOWGRID
 - Establishment of a CFD virtual organisation using GRID infrastructure
 - OPENMOLGRID
 - Development of a unified environment for solving molecular design/engineering tasks
 - GRACE
 - Development of a just in time distributed search and categorization engine

2002 projects (cont)

- COG

 Use of Grid technologies in industry. Ontologies of modelling of data in dispersed locations

MOSES

 Enabling content providers to build modular and scalable Knowledge Grid, Semantic Web management tools etc.

- GEMSS

 Testbed for medical computing and resource/service provider to clinical environment

2002 projects (cont)

- BIOGRID

 Perform a trial for the introduction of the Grid approach in biotechnology industry

- SELENE

- Feasibility study on Grids in the context of e-Learning application.
- Bridging the gap between semantic web technology and peer-to-peer computing

MAMMOGRID

 Using Grid technology develop a EU wide database of mammograms for healthcare research

GRIDSTART Goals

- Address overlapping areas and concerns
- Leverage common efforts and resources
- Increase contribution at international level
- Promote EU participation to international standard bodies (GGF)
- Provide common inputs and feedback to the EU
- Promote collaboration with international leading GRID developers
- Stimulating uptake by industry

Current status

- Kick-off meeting end of April 2002
- First technical coordination board here (many thanks for the hospitality...)
- Very fruitful exchange of experience and plans
- Excellent opportunity to share ideas with leading US colleagues
- Road-map sketched

Roadmap

- Global issues
 - Security
 - Authorization and firewalls
 - Testing for quality and reliability
 - Interoperability (among projects)
 - Licensing
- Common high level services
 - Identification of common services
 - Roaming access
 - Data access

Roadmap (cont)

- Enabling tools
 - Identification of common tools
 - MPI
- Grid services infrastructure
 - Migration to OGSA, CAS, Registry and resource discovery
- Semantic and workflow
 - Track W3C and e-Commerce
- Network
 - QoS, networks providers
- Tools development and support
 - EU and EU-US cooperation (convergence of application domains)
 - International EU policy

Next steps

- Map the roadmap to GGF WGs
- Cross functional teams
- Integrate new EU projects in GRIDSTART
- Develop plans for new EU FP6

Watch this space

www.gridstart.org