

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

Applications

GRIDSTART

GRIA

AVO

EGSO

EUROGRID

CROSSGRID

GRIP

GRIDLAB

DATAGRID

DAMIEN

DATATAG

Middleware & Tools

Industry/business

Science

Mid-Size and Small Enterprises in the ICT Sector - The INTEL in Business
European quality services for your business

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