GRIDSTART
a European GRID coordination attempt

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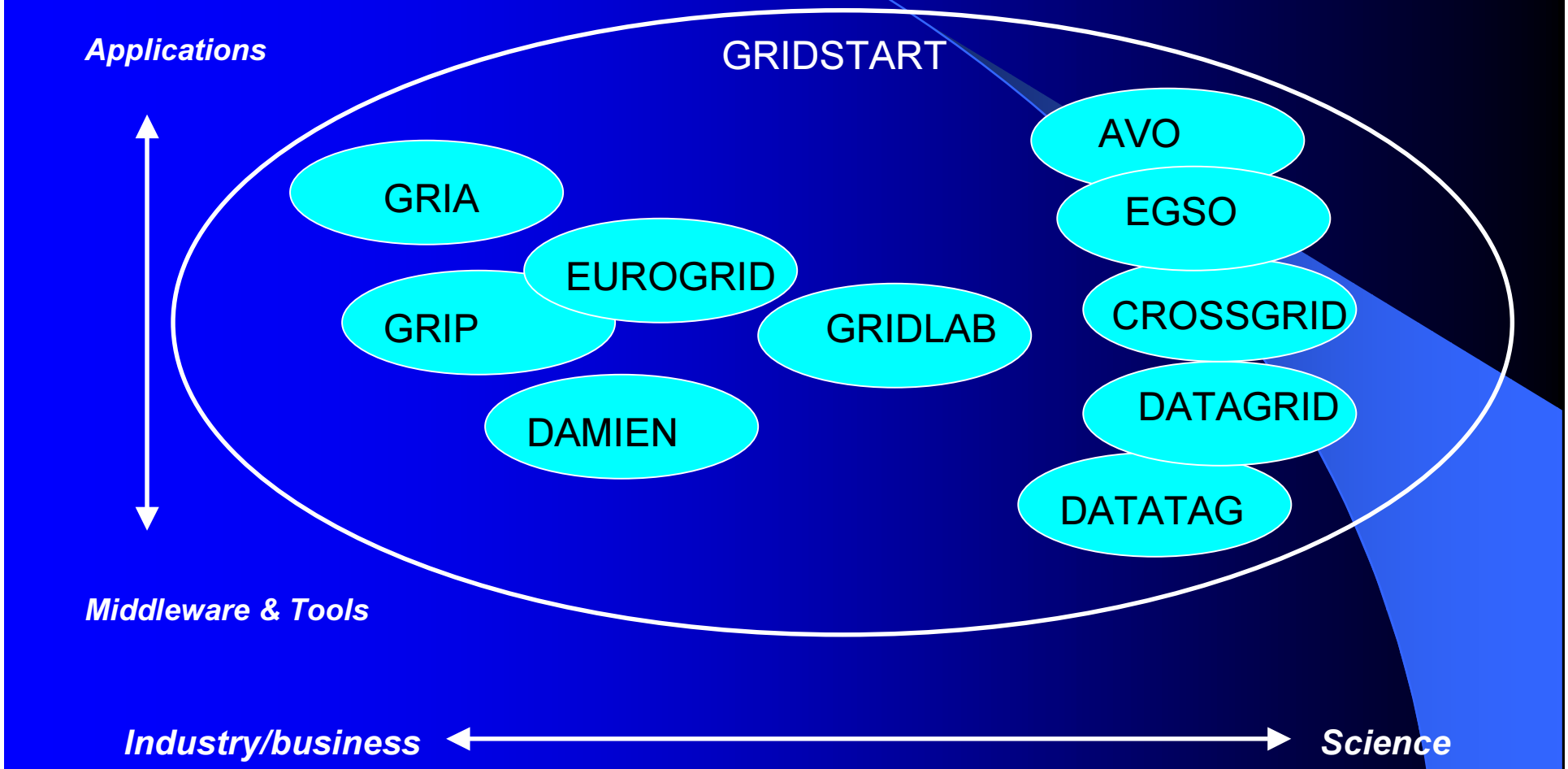
Outline

- 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
AVO
GRIA
EGSO
EUROGRID
GRIP
GRIDLAB
CROSSGRID
DAMIEN
DATAGRID
DATATAG
Middleware & Tools
Industry/business
Science

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