First Release of Desktop Grids for e-Science Road Map
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DEGISCO project
On average, a desktop computer remains idle around 60-85% of the time. Networks like EGI distribute computing tasks involving large amounts of data among the processing capacity of many thousands of separate desktop computers, putting their idle processor cycles to productive use. EGI-InSPIRE will give European researchers access to the aggregated processing power of 200,000 desktop computers hosted by more than 300 centres around the world. The Commission is contributing €25 million over four years to the €73 million project. Other funding is provided from national sources such as National Grid Initiatives (NGI).
Generic Grid - Grid Bridge (3G)

- BOINC
  - BOINC Client

- XtremWeb-HEP-E
  - X-Web Client

- OurGrid
  - OurGrid Client

- Job handler interface
- Job database
- Grid handler interface

- gLite Plugin
  - gLite (EGI)

- Unicore Plugin
  - Unicore Grid

- Arc Plugin
  - KnowArc Grid

Bridge
Scope of the EDGI project

EDGeS scope only for compute intensive applications for EGEE (gLite)

EDGI scope for both compute and data intensive applications for EMI/EGI (gLite, ARC, Unicore)

Extend Desktop Grids with Clouds for QoS
What is already there in IDGF?

- An existing infrastructure connecting gLite with BOINC, XtremWeb and OurGrid desktop grids
- About two dozen applications have already been ported (as part of the EDGeS project)
- Support provided by EDGI and DEGISCO projects
- New developments from EDGI and applications from DEGISCO
Events: tutorials, workshops
Consists of two parts

**A management part** provides a general overview and advice
- You can decide whether it makes sense in your situation to start a Desktop Grid

**A detailed part** gives “how to” information
- What do you need to do. Where to get more guidance
- Based on years of experience condensed in several DEGISCO technical deliverables
- IDGF experience input
Corporate Social Responsibility Programme

Road map

Companies to set up and participate as part of a "Corporate Social Responsibility or Sustainable entrepreneurship"
http://desktopgridfederation.eu