



Diligent

A Digital Library Infrastructure
on Grid ENabled Technology

Grid and EGEE: The Digital Library perspective

Donatella Castelli
ISTI-CNR, Italy



Information Society
Technologies

What are the main benefits or opportunities of utilising and having the EGEE infrastructure available to use?

- Facilitate the realisation and diffusion of new digital libraries (“knowledge commons”) by providing:
 - ◆ Sharable resources
 - ◆ Support for Virtual Organisations
 - ◆ Common infrastructure across communities
 - ◆ World-wide service organisation that might be synergically exploited also to support DL infrastructures/content/services

What are the main issues with the current use of the grid?

- There are many expectations on the Grid but the available technologies are often disappointing/dissuading
 - “Plug into the (Computation) Grid like you plug into the Power Grid”;
 - “Grid provides quality of service”
- Using the Grid infrastructure is not trivial
- Data integrity, security, performance, etc., are far from satisfying the expectations
- Most of the people identify “Grid” with a particular technology
- Well organised and easy understandable information on existing Grid technologies is hard to find
- Too low level developing framework
- Grid middleware centered around specific application areas

What obstacles do you foresee in the future of the Grid

- Overcome the current technological limitations
- Provide a sustainable organisational model
- Enlarging the clientele by supporting widely used applications and content