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ELIS@: A gateway platform for Grids (developed by CS in collaboration CNRS)

Friday 11 May 2007 12:00 (20 minutes)

With a forward look to future evolution, discuss the issues you have encountered (or that you expect) in using the EGEE infrastructure. Wherever possible, point out the experience limitations (both in terms of existing services or missing functionality)

The services use an interoperable workflow engine to submit jobs to the Globus middleware, and soon to EGEE with gLite and DEISA with Unicore.

Describe the scientific/technical community and the scientific/technical activity using (planning to use) the EGEE infrastructure. A high-level description is needed (neither a detailed specialist report nor a list of references).

ELIS@ offers to users with no specific computing skills, such as end-users from fusion or plastic communities, an abstraction layer to simplify the access and to use the best grid according to their needs.
The ELIS@ platform is a set of grid services used through a web portal to easy access to grid resources. The services use an interoperable workflow engine to submit jobs to the Globus middleware, and soon to EGEE with gLite and DEISA with Unicore.

Report on the experience (or the proposed activity). It would be very important to mention key services which are essential for the success of your activity on the EGEE infrastructure.

The presentation will be focused on the architecture definition, and first prototype feedback.

Describe the added value of the Grid for the scientific/technical activity you (plan to) do on the Grid. This should include the scale of the activity and of the potential user community and the relevance for other scientific or business applications

The Fusion community has shown its interest in accessing to either super computers through DEISA for large simulation or to EGEE for pre and post treatment.
From another scale, SMEs for instance from plastic industry need to share external computing resources.
Both communities need to access in the easiest way to the best grid according to their needs.
CS in collaboration with CNRS with the co-operation from end users such as Pole Européen de Plasturgie and ITER people from Cadarache, have developed a generic platform composed with a set of grid services used through a web portal to easy access to grid resources.

Grid added value
The services use an interoperable workflow engine to submit jobs to the Globus middleware, and soon to EGEE with gLite and DEISA with Unicore.

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