

## NA4 – APPLICATION IDENTIFICATION AND SUPPORT

One of the critical success factors for the Enabling Grids in E-sciencE (EGEE) project is to have a number of applications, from as many different fields as possible, deployed on the EGEE infrastructure. In order to achieve this, the Application Identification and Support team support the induction of new users, new communities and new virtual organisations into the project.

A strategy for application integration and deployment to EGEE is very important. The team has defined the process by which new applications can apply to join the EGEE infrastructure; the criteria that applications will be measured against; and set-up EGAAP (EGEE Generic Applications Advisory Panel) to evaluate all proposals and make recommendations to the team and EGEE management.

The team initially focused on two well-defined areas, Particle Physics and Life Sciences due to the fact that these communities were already Grid aware and ready to deploy challenging real applications at the beginning of the project.

The team has since established a broader portfolio of applications across a wide-range of sectors, including Earth Sciences, Astrophysics and Computational Chemistry. At the last project conference in October 2005, EGAAP recommended six new applications to join the EGEE Grid infrastructure: Fusion (Plasma Physics); EELA, EUCHINAGRID and EUMEDGRID (multidisciplinary); BIOINFOGRID (Bioinformatics) and Archeogrid (Archeology).

Vital to the success of the team is a continued productive working relationship with other key activities in the project, in particular with the Middleware Re-engineering and Integration activity (JRA1) and the European Grid Support, Operations and Management activity (SA1):

- To ensure the new middleware, gLite, released end of March 2005 satisfies requirements;
- To define the corresponding virtual organisations and their hierarchy, and to define the policy for adding new nodes to the infrastructure with respect to application deployment and the criteria for node selection;
- To focus on the application needs and develop test cases corresponding to application use cases.

The relationship with industrial partners is continuously developed within the framework of an Industry Forum (see Industry Forum information sheet or <http://public.eu-egee.org/industry/>).

### Team Contacts

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### NA4 Webpage's:

<http://egee-na4.ct.infn.it/index.php>