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 first generic applications are currently being tested on the GILDA test-bed (and also used for training purposes). The infrastructure uses the same middleware as EGEE and acts as a test-bed for new applications.

The team has now begun to establish a broader portfolio of applications across a wide-range of sectors, including Earth Sciences, Astrophysics and Computational Chemistry. Further interest has been expressed from the Cosmology and Drug Discovery communities.

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 solve the short-term issues with LCG-2 and ensure the new middleware, gLite, 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 continuing to be developed within the framework of an Industry Forum (see Industry Forum information sheet or http://public.eu-egee.org/industry/).

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