



SA1 – GRID OPERATIONS, SUPPORT AND MANAGEMENT

The goal of the Grid Operations, Support and Management activity (SA1) is to make computing, storage, instrumentation and informational resources at many Resource Centres across Europe and around the world accessible to User communities and virtual organisations in a consistent way, according to agreed access management policies and Service Level Agreements. The EGEE infrastructure builds on current national and international Grid initiatives which are already deploying Grid infrastructures. The key aim in assembling this infrastructure is to incorporate and exploit existing expertise and experience within the European Union in deploying, supporting and operating prototype Grids.

The activity has assembled and operates a production grid with more than 200 resource centres providing resources at levels exceeding 30,000 processors, processing up to 50,000 jobs per day. All the federations participating in the activity have resources available and working on the EGEE Grid. In addition, there are some 4,000 processors connected through non-EGEE sites in China, US, Canada, Pakistan, and India.

The key objectives of this activity are to:

- Operate, support, and manage a production quality Grid infrastructure across the European Research Area;
- Improve the reliability, scalability, security, and manageability of the infrastructure in a sustainable way;
- Provide user support at all levels from the integration of new applications to a helpdesk for user support;
- Coordinate and interoperate with other major Grid infrastructures, for example in the United States and in the Asia-Pacific region.

The activity is currently deploying the gLite 3.0 middleware on the main Grid production service. In EGEE's second phase, the focus of the project is on improving the usability and robustness of the infrastructure in order to attract and support a wider variety of applications. Interoperability, coexistence, and collaboration with other Grid projects world-wide are important aspects of the activity.

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