

## SA1 –GRID OPERATIONS, SUPPORT AND MANAGEMENT

The goal of the Grid Operations, Support and Management activity (SA1) is to create, operate, support and manage a production quality European Grid infrastructure. This involves making 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 190 resource centres providing resources at levels exceeding 20,000 processors, sustaining 50,000 jobs per day throughput. 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 provide:

- 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 integration of new applications to helpdesk-style support;
- Coordination and interoperation with other major Grid infrastructures (e.g. in the US and Asia-Pacific) is an important objective.

The activity is currently deploying the gLite 3.0 middleware on the main Grid production service. As EGEE moves into its 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 is also an important aspect of the activity.

### Activity Contacts

Ian Bird, SA1 Manager (CERN), email: [Ian.Bird@cern.ch](mailto:Ian.Bird@cern.ch)

Maite Barroso Lopez, Deputy Manager (CERN), email: [Maite.Barroso.Lopez@cern.ch](mailto:Maite.Barroso.Lopez@cern.ch)

Regional Federation Managers:

UK & Ireland: John Gordon (CCLRC)

Italy: Cristina Vistoli (INFN)

France: Rolf Rumler (IN2P3)

Northern Europe: Jules Wolfrat (SARA)

Germany & Switzerland: Sven Hermann (FZK)

South West Europe: Kai Neuffer (PIC)

South East Europe: Ognjen Prnjat (GRNET)

Central Europe: Alexander Kuszniir (CYFRONET)

Russia: Vadim Petukhov (IHEP)

[j.c.gordon@rl.ac.uk](mailto:j.c.gordon@rl.ac.uk)

[cristina.vistoli@cnaif.infn.it](mailto:cristina.vistoli@cnaif.infn.it)

[rumler@cc.in2p3.fr](mailto:rumler@cc.in2p3.fr)

[wolfrat@sara.nl](mailto:wolfrat@sara.nl)

[sven.hermann@iwr.fzk.de](mailto:sven.hermann@iwr.fzk.de)

[neuffer@pic.es](mailto:neuffer@pic.es)

[oprnjat@admin.grnet.gr](mailto:oprnjat@admin.grnet.gr)

[A.Kuszniir@cyfronet.krakow.pl](mailto:A.Kuszniir@cyfronet.krakow.pl)

[petukhov@mx.ihep.ru](mailto:petukhov@mx.ihep.ru)

### SA1 Webpages

<http://cern.ch/egee-sa1>

Last Update: 25/08/2006