

The EUAsiaGrid Project: paving the way towards a global e-Science infrastructure in the Asia-Pacific region

Marco Paganoni

INFN and University of Milano-Bicocca, Italy

The EUAsiaGrid project has been funded by the European Commission to widen the uptake of e Research and, more specifically, the EGEE e Infrastructure in the Asia-Pacific region which is contributing to the consortium with 11 partners. The project provides support for infrastructure development and application porting as well as training, education and outreach. The activities of the project are clustered in four main workpackages that are working closely together to achieve the overall aims of the project:

- Requirements capture and coordination policy definition has established requirements for computing, storage, application support and training, in order to understand which research domains and applications could profit more from the use of e Infrastructure and feed the information into a common roadmap.
- Support of scientific applications is providing support for specific applications in a range of scientific domains such as high-energy physics, computational chemistry, mitigation of natural disasters, bioinformatics and biomedics and social science.
- Dissemination is dealing with outreach and education about the potential for e Research and is establishing contact with researchers who might be able to benefit from engagement with the project. Training is contributing to make available the technical knowledge needed by researchers or potential service providers.

The consortium makes use of the experience of the Academia Sinica Grid Computing Centre as the EGEE regional operations centre for the Asia-Pacific region, and of the know how in the Grid domains of the four European partners. The different levels of infrastructure deployment are a particular issue that is being addressed to provide a level playing field and a sound basis for a common coordination policy and roadmap for future development.

We describe the background of the project as well as its structure and workplan.

