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

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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. The consortium provides support for infrastructure development and application porting as well as training, education and outreach. We describe the background of the project as well as its structure and workplan.

Impact

The activities of the project are clustered in four main workpackages:

- Requirements capture and coordination policy definition will establish requirements for computing, storage, application support and training requirements, in order to understand which research domains and applications could profit more from the use of e Infrastructure.
- Support of scientific applications will provide support for specific applications in a range of application areas such as high-energy physics, computational chemistry, mitigation of natural disasters, life sciences and social science. Additional application areas will be identified through engagement with research communities.
- Dissemination will help with outreach and education about the potential for e Research and will establish contact with the project.
- Training will help to make available the technical knowledge that will be needed once interest is awakened with the project.

URL for further information

<http://www.euasiagrid.eu>

Conclusions and Future Work

Potential adopters of e-Science technologies may need to overcome significant hurdles. The support provided by the EUAsiaGrid consortium will help to widen the uptake of e-Science and Grid Infrastructure services in the Asia-Pacific region by tackling generic problems such as lack of skilled staff but also those issues that are specific to the region. The different levels of infrastructure deployment are a particular issue that will need to be addressed to provide a level playing field and a so

Keywords

Grid, e-Science, e-infrastructure, computing applications

Detailed analysis

The EUAsiaGrid project aims to build on this success and to complement the work of the EGEE Asia Federation and projects such as EUChinaGrid and EUIndiaGrid. The consortium of 15 partners will provide support to foster the wider uptake of e-Science and of the EGEE e-Infrastructure in particular within the eight partner countries in the Asia-Pacific region. Its main aims are to:

- foster e-Infrastructure provision and coordination of service development in the Asia-Pacific region;
- support research communities through help with application porting and deployment;
- provide training to widen dissemination of technological know-how;
- as well as to monitor the results and feed back into policy definition.

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. It is led by the INFN in Italy and complemented by CESNET in the Czech Republic, HealthGrid in France and NCeSS in UK.

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