

A GRID infrastructure to promote cooperation across the Mediterranean - The EUMEDGRID Project

Thursday 10 May 2007 11:40 (15 minutes)

Describe the scientific/technical community and the scientific/technical activity using (planning to use) the EGEE infrastructure. A high-level description is needed (neither a detailed specialist report nor a list of references).

The interest of the EUMEDGRID experience does not restrict to scientific issues although the opportunity to port applications of regional importance, such as the hydro-geological and medical ones, on the pilot infrastructure is not less important than fostering Grid awareness. The growth of new competences among our Neighbors' scientific community is a concrete initiative towards bridging digital divide and, moreover, to promote a peaceful and effective collaboration among all Partners.

Report on the experience (or the proposed activity). It would be very important to mention key services which are essential for the success of your activity on the EGEE infrastructure.

The results of the first year of activity are mainly related to:

- the progress made by many countries in the deployment of Grid Sites which joined the pilot infrastructure;
- the advanced process of creation Certification Authorities and National Grid Initiatives;
- the deployment of existing EGEE supported applications in the fields of Physics (ATLAS), Biomedical (WISDOM);
- the testing and porting of new regional applications in Hydrology.

With a forward look to future evolution, discuss the issues you have encountered (or that you expect) in using the EGEE infrastructure. Wherever possible, point out the experience limitations (both in terms of existing services or missing functionality)

EUMEDGRID is expanding the EGEE infrastructure to the Mediterranean Area, and will need in the future a ROC and related services dedicated to the specific geographical environment.

Describe the added value of the Grid for the scientific/technical activity you (plan to) do on the Grid. This should include the scale of the activity and of the potential user community and the relevance for other scientific or business applications

Funded by EU within the 6th FP for Research and Development and Coordinated by INFN, EUMEDGRID aims to support the development of EGEE-compliant Grid eInfrastructure in the Mediterranean Area and promote porting of new applications on the Grid platform, thus allowing Mediterranean scientist to collaborate closely with their European colleagues. Conceived as the extension of EGEE in the region, EUMEDGRID is disseminating Grid awareness and competences across the Mediterranean and, in the

meanwhile, identifying new research groups to be involved in the project, helping them to exploit Grids' enormous potential to improve their own applications.

Primary author: Dr RUGGIERI, Federico (INFN)

Presenter: Prof. BARBERA, Roberto (UNIV. CATANIA AND INFN)

Session Classification: Users in the wider Grid community - from science to business

Track Classification: Related Projects