

EU-IndiaGrid –Joining European and Indian Grids for e Science Network Community -

Thursday 10 May 2007 12:10 (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).

EU-IndiaGrid will make available a common, interoperable Grid infrastructure to the European and Indian Scientific Communities, in order to support existing EU-Indian collaborations in eScience and promoting new ones. In line with the support goals of the Research Infrastructures activity area of the European Union, EU-IndiaGrid will hence enable the interconnection between the most relevant European Grid infrastructure, EGEE, and the Indian Grid infrastructure, GARUDA INDIA.

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 project plans to support the interconnection between EGEE (and its thematic and regional extensions) with the Indian Grids (GARUDA and DAE grids) to achieve the goal of a common infrastructure capable of fulfilling the computing requirements of several e-Science application domains where well established collaborations already exist between Europe and India. The partners are capitalizing the achieved experience within EGEE and the cooperation with the main Indian grid infrastructures: the GARUDA grid National Project and the Department of Energy (DAE) grid projects. Pilot applications in Biology, High Energy and Condensed Matter Physics, and Earth and Atmospheric Sciences are in this moment deployed on the newly implemented infrastructure in order to validate it and will furthermore be a first set of case-stories which can be used in the dissemination of the Project.

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)

Successfully deployed applications will be a first set of case-stories which can be used in the dissemination of the Project with the aim to include new user communities and scientific activities.

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

The projects aims at obtaining the following results:

- To develop synergies between scientific research and industrial communities with ongoing Grid technology developments with the creation of an e-Science Network Community;
- To increase international co-operation through the validation of the pilot intercontinental infrastructure which will act as a driving force at disseminating the results of the successful EGEE grid infrastructure in India endorsing the introduction of new user communities;
- To offer an effective answer to the demanding computing needs of several common EU-India research projects and, at the same time, foster the deployment of grid techniques in research and industrial applications within the Indian subcontinent;

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

Track Classification: Related Projects