

European Grid Initiative Design Study (EGI_DS)

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To successfully complete the set objectives of the EGI vision (<http://www.eu-egi.org/vision.pdf>), EGI_DS has committed to coordinate and support the following actions:

- 1) Consolidate the requirements for an EGI organisation from the NGIs and other important stakeholders such as application communities, infrastructure operators, related projects, NRENS.
- 2) Define the functional role of the EGI organisation with respect to the NGIs at the start of this organisation, and plan for the evolution of its functions as it matures.
- 3) Establish a legal, financial and organisational basis (supported by the member states) for the EGI organisation to undertake these functions.
- 4) Establish the EGI organisation and manage the transition from the existing project-based grid support to a sustainable production service.
- 5) Ensure that all stakeholders within the member states, international standards bodies, research grid services in other countries are aware of the EGI and have relationships.

4. Conclusions / Future plans

The EGI Design Study started in September 2007 and continues until the end of 2009. The EGI Blueprint Proposal is planned to be finished by September 2008, as the deadline of the EGI Proposal for the EU is expected to be sometimes in September 2009. The EGI Organization entity should be in place and operational at the beginning of 2010.

Provide a set of generic keywords that define your contribution (e.g. Data Management, Workflows, High Energy Physics)

Sustainability, National Grid Infrastructures, European Grid Initiative

1. Short overview

The European Grid Initiative (EGI) Design Study started in Sept 2007 with funding from the EC's 7th FP. It represents an effort to establish a sustainable grid infrastructure in Europe. The National Grid Initiatives (NGIs) are the main foundations of EGI. The aim of EGI_DS is to study the appropriate requirements, design the functionality, and to implement a prototype structure of the EGI organization, which will take up the coordination and operation of the pan-European Grid infrastructure.

3. Impact

The future EGI organization will constitute a key element in the European Research Area (ERA) by providing a sustainable grid infrastructure required by the whole European research community. The current leading grid infrastructures in Europe, EGEE and related infrastructure projects (such as e.g. BalticGrid and SEEGRID-2), represent a key source of the experience and ideas. EGI_DS works closely with these infrastructure projects to permit a transition into an EGI-like structure before the end of the next phase of those projects.

In addition, EGI_DS is linking the European grid infrastructure with similar infrastructures elsewhere. The project provides the focus for international collaborations and together raises global attention for EGI. This facilitates the international cooperation in the future.

URL for further information:

<http://www.eu-egi.org>

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