Motivation

Scientific research is no longer conducted within national boundaries and is becoming increasingly dependent on the large-scale analysis of data, generated from instruments or computer simulations housed in trans-national facilities, by using e-Infrastructure (distributed computing and storage resources linked by high-performance networks). The EGI-InSPIRE project will continue the transition to a sustainable pan-European e-Infrastructure started in EGEE-III. It will establish a central coordinating organisation, EGI.eu, and support the staff throughout Europe necessary to integrate and interoperate individual national grid infrastructures. EGI.eu will bring existing technologies into a single integrated persistent production infrastructure within the European Research Area. The operational tools will be extended by the project to support a national operational deployment model, include new DCI technologies in the production infrastructure and the associated accounting information to help define EGI’s future revenue model.

Challenges & Highlights

L3S Research Center takes part in the work packages SA1 and jRA1 of the EGI-InSpire project. The activities are focused on the area of accounting. In the SA1 work package the objective is to provide a reliable record of the usage of the infrastructure for users, VOs, NGI and EGI management. This task will provide: securely and reliably run accounting repositories for EGI, and at the NGI-level a portal to provide on-demand visualisation and/or data download.

In the work package jRA1 L3S Research Center is active in the development activities, which will provide to the continual evolution of the operational tools used by the production infrastructure. In the area of accounting L3S is active in the development of usage records for the accounting of the use of different resources. The EGI production infrastructure will need to account for the use of different resources. The accounting information will form the basis of a study to see how service charges will impact different EGI stakeholders (e.g. NGIs, EIROs, VRCs, resource providers, etc.) and how this could evolve the EGI revenue model and its own sustainability.

Logo:

Project abstract:

The goal of EGI-InSPIRE is to provide European scientists and their international partners with a sustainable, reliable e-Infrastructure that can support their needs for large-scale data analysis. EGI-InSPIRE will coordinate the transition from a project-based system (the EGEE series) to a sustainable pan-European e-Infrastructure. EGI-InSPIRE will collect user requirements and provide support for the current and potential new user communities, for example the ESFRI projects.

Project duration:
01.05.2010 - 30.04.2014

Bibsonomy show project publications:
0
Bibsonomy use tabs to list publications:
0

Members:
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Project manager:
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Project research areas:
Middleware for Web Infrastructures
E-Sciences

**Research Area:**
E-Science

**Status of the Project:**