

# EGI-InSPIRE

## DEPLOYMENT PLAN FOR THE DISTRIBUTION OF OPERATIONAL TOOLS TO THE NGIs/EIROs

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#### Abstract

This document establishes the roadmap for the deployment of regionalised variations of the operational tools to the NGIs/EIROs.

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DISTRIBUTION OF OPERATIONAL TOOLS  
TO THE NGIs/EIROs

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EGI-InSPIRE (“European Grid Initiative: Integrated Sustainable Pan-European Infrastructure for Researchers in Europe”) is a project co-funded by the European Commission as an Integrated Infrastructure Initiative within the 7th Framework Programme. EGI-InSPIRE began in May 2010 and will run for 4 years.

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## PROJECT SUMMARY

To support science and innovation, a lasting operational model for e-Science is needed – both for coordinating the infrastructure and for delivering integrated services that cross national borders.

The EGI-InSPIRE project will support the transition from a project-based system to a sustainable pan-European e-Infrastructure, by supporting ‘grids’ of high-performance computing (HPC) and high-throughput computing (HTC) resources. EGI-InSPIRE will also be ideally placed to integrate new Distributed Computing Infrastructures (DCIs) such as clouds, supercomputing networks and desktop grids, to benefit the user communities within the European Research Area.

EGI-InSPIRE will collect user requirements and provide support for the current and potential new user communities, for example the ESFRI projects. Support will also be given to the current heavy users of the infrastructure, such as high energy physics, computational chemistry and life sciences, as they move their critical services and tools from a centralised support model to one driven by their own individual communities.

The objectives of the project are:

1. The continued operation and expansion of today’s production infrastructure by transitioning to a governance model and operational infrastructure that can be increasingly sustained outside of specific project funding.
2. The continued support of researchers within Europe and their international collaborators that are using the current production infrastructure.
3. The support for current heavy users of the infrastructure in earth science, astronomy and astrophysics, fusion, computational chemistry and materials science technology, life sciences and high energy physics as they move to sustainable support models for their own communities.
4. Interfaces that expand access to new user communities including new potential heavy users of the infrastructure from the ESFRI projects.
5. Mechanisms to integrate existing infrastructure providers in Europe and around the world into the production infrastructure, so as to provide transparent access to all authorised users.
6. Establish processes and procedures to allow the integration of new DCI technologies (e.g. clouds, volunteer desktop grids) and heterogeneous resources (e.g. HTC and HPC) into a seamless production infrastructure as they mature and demonstrate value to the EGI community.

The EGI community is a federation of independent national and community resource providers, whose resources support specific research communities and international collaborators both within Europe and worldwide. EGI.eu, coordinator of EGI-InSPIRE, brings together partner institutions established within the community to provide a set of essential human and technical services that enable secure integrated access to distributed resources on behalf of the community.

The production infrastructure supports Virtual Research Communities – structured international user communities – that are grouped into specific research domains. VRCs are formally represented within EGI at both a technical and strategic level.

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## **1. INTRODUCTION**

### **1.1.PURPOSE**

The purpose of this milestone is to establish the roadmap for the deployment of regionalised variations of the operational tools to the NGIs/EIROs.

### **1.2.APPLICATION AREA**

This document is a formal milestone for the European Commission, applicable to all members of the EGI-InSPIRE project, beneficiaries and Joint Research Unit members, as well as its collaborating projects.

### **1.3.DOCUMENT AMENDMENT PROCEDURE**

Amendments, comments and suggestions should be sent to the authors. The procedures documented in the EGI-InSPIRE “Document Management Procedure” will be followed:

<https://wiki.egi.eu/wiki/Procedures>

### **1.4.TERMINOLOGY**

A complete project glossary is provided in the EGI-InSPIRE glossary:

<http://www.egi.eu/results/glossary/>.

## 2. EXECUTIVE SUMMARY

<< The text should provide a summary of the full report so that the reader can ‘in a page’ understand the problem it has been written to cover. This includes an overview of the background material and motivation for the report, a summary of the analysis, and the report’s main conclusions.>>

<TODO>

Plans for deployment of the regional instances of the following tools:

- Operations Portal
- Helpdesk
- GOCDB
- Accounting Repository
- Accounting Portal
- Service Availability Monitoring

### 3. DEPLOYMENT PLAN

The plans for the deployment of each operational tool are documented in the following sections.

#### 3.1. OPERATIONS PORTAL

Name of NGI/EIRO	Expected Deployment date

Alternative plans proposed by NGIs that will not deploy a regional instance of the Operations Portal:

Name of NGI/EIRO	Alternative plan proposed

#### 3.2. HELPDESK

Name of NGI/EIRO	Name of Helpdesk System that will be deployed	Expected Deployment date

Alternative plans proposed by NGIs that will not deploy a regional helpdesk system:

Name of NGI/EIRO	Alternative plan proposed

### 3.3.GOCDB

Name of NGI/EIRO	Expected Deployment date

Alternative plans proposed by NGIs that will not deploy a regional instance of GOCDB:

Name of NGI/EIRO	Alternative plan proposed

### 3.4.ACCOUNTING REPOSITORY

Name of NGI/EIRO	Expected Deployment date

Alternative plans proposed by NGIs that will not deploy a regional instance of the accounting repository:

Name of NGI/EIRO	Alternative plan proposed

### 3.5.ACCOUNTING PORTAL

Name of NGI/EIRO	Expected Deployment date



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Alternative plans proposed by NGIs that will not deploy a regional instance of the accounting portal:

Name of NGI/EIRO	Alternative plan proposed

### 3.6.NAGIOS & MYEGI

Name of NGI/EIRO	Expected Deployment date

Alternative plans proposed by NGIs that will not deploy a regional instance of the Nagios/MyEGI:

Name of NGI/EIRO	Alternative plan proposed

## 4. CONCLUSIONS

TODO