**EGI-InSPIRE**

User Support Contacts

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| AbstractThe document describes the process of establishing and confirming contact points inside NGIs for user facing support (training, application porting, VO setup, etc.). The document does not include the list of contacts – which is kept and maintained in EGI.eu – but it does describe the process of how can one access user support contacts.  |

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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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# Introduction

## Purpose

This document describes the process that EGI.eu followed to collect and confirm User Support contacts from NGIs. The validity of information will be monitored and formally reported upon annually throughout the project.

## 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.

## References

**Table 1: Table of references**

|  |  |
| --- | --- |
| 1.
 | *The EGI.eu mission* (http://www.egi.eu/about/mission.html) |
| 1.
 | *The GGUS portal* (https://gus.fzk.de/pages/home.php) |
| 1.
 | *Karlsruhe Institute of Technology* (http://www.kit.edu/english/index.php) |
| 1.
 | *EGEE-III DSA1.2.2: Assessment of production service status* (https://edms.cern.ch/document/1060571) |
| 1.
 | *EGEE-III project* (http://www.eu-egee.org/) |
| 1.
 | *EGI-InSPIRE Description of Work (DoW*)(https://documents.egi.eu/secure/ShowDocument?docid=10) |
|  | *Members of the User Community Support Team in EGI.eu**(http://www.egi.eu/about/staff)* |

## 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>

## Terminology

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

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

# EXECUTIVE SUMMARY

Grid services, operational and support expertise, and user communities of EGI are distributed across Europe and beyond, and therefore, a central coordination of key data is of paramount importance. The EGI.eu [R1] central coordination centre, located in Amsterdam, has been established in order to act as a glue for the various NGIs that constitute the EGI infrastructure and the EGI-InSPIRE project.

With respect to support, EGI-InSPIRE provides a central Helpdesk tool, GGUS [R2], operated by KIT [R3] interfaced with many regional Helpdesk Systems that were setup during the EGEE projects. A description of this service can be found in section 6 of EGEE-III’s deliverable DSA1.2.2 [R4].

A distributed model for support was already in place during EGEE-III [R5] and all of the relevant support teams contacts had been collected for EGI.

According to EGI-InSPIRE’s Description of Work (DoW) [R6], NA3 activity (WP3) aims at integrating the user communities’ current and future use of the infrastructure. This is achieved by:

* Coordinating the effective, responsive support for the EGI user communities (both individual VOs and those represented by Virtual Research Communities) through the efforts of the national and specialist support units;
* Coordinating training, documentation and technical requirements from the user communities to improve the EGI user experience and services;
* Coordinating the technical services to support the establishment and management of virtual organisations.

One of the main changes in the transition from EGEE-III to EGI-InSPIRE is related to the operations structures; the original Regional Operations Centres (ROCs) are being gradually replaced by a larger number of NGI’s Operations Centres. This has a great impact on the support organisation since the new topology, and also the support groups, is far more distributed then it was in the past.

For this reason it is important that:

* All of the involved actors (EGI.eu, NGIs and user communities) know who is involved in the support activity and what is each one’s role.
* The GGUS system contains information about all of the existing support units so that tickets can be correctly assigned or routed to the appropriate support team.

For this reason information about the user support communities and teams is being collected and it is stored in a database kept by the User Community Support Team of EGI.eu.

This milestone document describes the process of establishing these contact points from the NGIs for user facing support consisting of training, application porting, VO setup, etc. The document does not include the list of contacts. This list is available in the internal storage space of EGI.eu. The document provides information on the process of how can one access the list.

# Collecting and storing NGI user support contacts

In order to collect the information about the NGI user support contacts for various important NA3 activities (e.g. training, application porting, consultation and VO support), an email was recently sent by the EGI.eu User Community Support Team (UCST) to the NGI Operations Managers (NOC) mailing list. This list is the evolution of the former EGEE-III ROC managers mailing list and currently has technical contacts from every NGI.

Every NGI has been asked to supply user support contact details for the following key NA3 activities, covering name, email address, phone number (if available) and SSO account name:

* Main user support contact for NGI User Support team (this should be the NGI’s coordinator of user support activities);
* Training contact (activities: scheduling and delivery of courses; operating training services, etc.);
* Application porting support contact (activities: registering applications to Application Database and consulting with new communities);
* Documentation contact (activity: updating available documentation);
* Portals and science gateways contact (activities: adoption, development and provision of solutions);
* Dashboards and resource allocation contact (activities: monitoring the allocation of sites to VOs; enabling new VOs on the sites);

As the NGIs may be very different in terms of size and resources it is anticipated that the smaller ones will provide the same name (or a couple of names) for all the support activities, whereas other, larger NGIs will provide more than one person for each category. The NGI’s main user support contact may also be contacted for managerial activities, whereas all the other contacts will have a technical role only.

For those NGIs that do not supply the requested information it will be assumed that their NOC contact will act as user support coordinator, at least at the beginning. However, it will be possible to update information in the future, by contacting the User Community Support Team at EGI.eu [R7].

## Accessing the user support contacts database

The user support contacts are currently kept in an NGI contact database by EGI.eu. Access to this database is currently restricted to EGI.eu staff. The access list will be made available to NGIs through the Single Sing On system provided by the EGI-InSPIRE project. In the meantime members of the EGI collaboration can obtain user support contacts from the Chief Customer Officer of EGI [R8], who also coordinates the User Community Support Team of EGI.eu.

As part of the evaluation and regular update of user support mechanisms, the project will investigate if GGUS could be used as a tool to route support request from users directly to the NGI user support contacts.

# Conclusions

The process of collecting NGI user support contacts started soon after the launch of the project. After a slow start a detailed picture began to emerge. The database is established inside EGI.eu with access processes defined. The database is kept up to date by the User Community Support Group. Those NGIs that have not provided dedicated contacts for user support activities are currently registered on user support issues through their technical representatives.