



□ Interconnection & Interoperability of Grids between Europe & China □

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**INSTRUMENT: SPECIFIC SUPPORT ACTION
ACTIVITY: RESEARCH INFRASTRUCTURES**

**D5.3 – INTERMEDIATE REPORT, WITH PLAN
UPDATE, ON OUTREACH AND
DISSEMINATION ACTIVITIES**

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Abstract:

This document presents the WP5 activities accomplished during the first year of the EUChinaGRID project and updates/integrates the initial dissemination roadmap given in D5.2.

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1. INTRODUCTION

1.1. PURPOSE OF THE DOCUMENT

The purpose of this document is to present the WP5 activities accomplished during the first year of the EUChinaGRID project and to update and integrate the initial dissemination roadmap given in Project Deliverable D5.2. Dissemination and outreach are considered key points for the creation of an active community of users of the EUChinaGRID new-built e-Infrastructure and, hence, for the success of the project. It is therefore of great importance to monitor the outcomes of the communication strategy planned and implemented for the project and, whenever needed, to address with appropriate measures all issues that may arise during the lifetime of the project.

A final report on the dissemination activities will be delivered at M24, in the “Report on raising public participation and awareness”.

1.2. APPLICATION AREA

This document mainly targets all people who are involved in the project, as it gives a clear indication of what must be achieved in terms of communication and the methods proposed to achieve, but it especially addresses Partners and Third Parties involved in the activities related to WP5. It also addresses the EC, giving an overview of the strategies identified in order to raise awareness and participation around the EUChinaGRID project.

1.3. REFERENCES

- | | |
|------------------------------|---|
| [R1] Project website | http://www.euchinagrid.org/ |
| [R2] Project leaflet | http://www.euchinagrid.org/docs/EUChinaGRID-Project-Presentation.pdf |
| [R3] Project templates kit | http://www.euchinagrid.org/docs/EUChinaGRID-doctemplates.zip |
| [R4] GILDA | https://glida.ct.infn.it/ |
| [R5] Project poster | http://documents.euchinagrid.org/?c=Miscellanea&as=0&ln=en |
| [R6] Other project leaflets | http://documents.euchinagrid.org/?c=Information+Sheets&as=0&ln=en |
| [R7] Project online agenda | http://agenda.euchinagrid.org/List.php |
| [R8] Project document server | http://documents.euchinagrid.org/ |
| [R9] Project support tool | http://support.euchinagrid.org/ |
| [R10] Project Press Cuttings | http://euchinagrid.org/cut.html |
| [R11] Masters for giveaways | http://documents.euchinagrid.org/?c=Project+giveaways&as=0&ln=en |
| [R12] FAQ | http://www.euchinagrid.org/faq.html |
| [R12] News | http://www.euchinagrid.org/news-engl.htm |
| [R13] Press releases | http://www.euchinagrid.org/press.html |

[R14] Dissemination and Outreach plan <http://www.euchinagrid.org/docs/EUChinaGRID-Del5-2v31.pdf>

1.4. DOCUMENT AMENDMENT PROCEDURE

In order to amend the document, please contact the Project Office at: po@euchinagrid.org.

1.5. TERMINOLOGY

Glossary

CA	Acronym for Certification Authority.
CNGrid	Acronym for China National Grid, the Chinese national testbed for the new generation of information.
Cluster	The term describes a cluster is a group of machines that are networked together and used as a single unit to run parallel programs.
ECHOGRID	European and Chinese cooperation on the Grid
EGEE	Enabling Grids for e-Science
Grid	The term designates a distributed infrastructure of computation and storage resources, which can be used by a VO in a transparent way (i.e. without need to know about the location of the resources etc).
GILDA	Grid INFN Laboratory for dissemination activities
gLite	Codename of the Middleware software suite developed by EGEE JRA1.
Globus	“Globus Toolkit” is the name of all software components for Grid Computing platforms available under an open-source license from the consortium Globus Alliance.
GridICE	Distributed monitoring tool designed for Grid systems.
GStat	Code for multivariable geostatistical modelling, prediction and simulation, widely adopted within EGEE in order to provide statistics about pilot sites installations.
LCG	Large Hadron Collider (LHC) Computing Grid
Middleware	Generic terms defining a communications layer that allows applications to interact across hardware and network environments.
NGI	National Grid Initiative
ROC	Regional Operation Centre
VO	Virtual Organization: a Virtual Organization can be defined as geographically dispersed group of collaborating scientists.

2. EXECUTIVE SUMMARY

From the very beginning, Dissemination was considered of strategic importance for the success of the EUChinaGRID Project. WP5 activities had a quick start in the early phases of the project and target segmentation, strategy and full planning for dissemination actions were available at project month 6, with the delivery of the initial plan for Dissemination and Outreach [R14].

The dissemination strategy described in that document was shaped on some peculiarities of EUChinaGRID, such as the linguistic differences, the distance between European and Chinese partners, and the relevant time zone difference which implied the need for local teams working together but maintaining a strong cohesion in order to keep well-aligned actions and objectives. After a year of activity, the establishment of two groups of dissemination teams, respectively located in Europe and China, can be regarded as achieved. Both groups have proved capable of organizing and delivering dissemination events meant for a wider audience, such as Conferences and Workshops, as well as more technical events such as Tutorials and induction courses. They implemented a complete bi-lingual website and created a number of dissemination and training materials.

This document reports on dissemination activities performed during the first year and proposes a general plan for those to be carried out in the second year. No major changes are envisaged in the dissemination strategy proposed in D5.2 [R14], but some actions, such as the website review and usability test, are meant to provide input for improvements.

3. DELIVERABLES AND MILESTONES

Table 3.1 presents the first year WP5 milestones and deliverables.

Table 3.1. WP5 Deliverables and Milestones

<i>Milestone n°.</i>	<i>Milestone description</i>	<i>Deliverable n°.</i>	<i>Deliverable name</i>	<i>Related URL</i>	<i>Delivery month</i>
M5.1	Initial public web site	www.euchinagrid.org	M02
...	...	D5.1	Project presentation	http://www.euchinagrid.org/docs/EUChinaGRID-Project-Presentation.pdf http://www.euchinagrid.org/docs/EUChinaGRID-templates-kit.zip	M03
...	...	D5.2	Dissemination and Outreach plan	http://www.euchinagrid.org/docs/EUChinaGRID-Del5-2v31.pdf	M06
M5.2	Initial setup of dissemination material	http://www.euchinagrid.org/docs/EUChinaGRID-Project-Presentation.pdf	M06
M5.3	First revision of dissemination materials			http://www.euchinagrid.org/milestone/M5.3.html	M12

4. DISSEMINATING THE PROJECT (A5.1 : PROJECT DISSEMINATION ACTIVITIES)

4.1. DISSEMINATION ACTIVITIES CARRIED OUT DURING THE FIRST YEAR

4.1.1. Conferences and workshops

4.1.1.1. First EUChinaGRID Workshop

The First Project Workshop was held in Beijing on the 12th-14th of June 2006. It was organized by IHEP. More than 70 people from China and several European Countries attended it. Important representatives of the Chinese grid community were invited to introduce and discuss the Chinese grid projects and applications in the workshop. The agenda of the Workshop (which is available online at: <https://agenda.euchinagrid.org/conferenceDisplay.py?confId=a0620>) is reported below:

Session 1 - EUChinaGRID and Grid projects in China (12 June, morning)

Welcome - CHEN, G (Director of HIEP)

EUChinaGRID: My personal view - GAGLIARDI F. (Microsoft)

EUChinaGRID Project - RUGGIERI F. (EUChinaGRID Project Manager)

Official presentation of the Chinese website – Tanlongo, F.(GARR) – Qian, S (Peking University)

EGEE an European GRID Infrastructure - GRANDI C. (EGEE project)

Coffee Break

Chinese GRID Projects

- e-Science and Grid in CAS - NAN, K. (CNIC-CAS)
- NSFC Grid Initiative - HU, C. (Beihang University)
- CNGrid - QIAN D. (Beihang University)
- ChinaGRID - JIN H. (Huazhong University of Science and Technology)

Session 2 – Applications and experiences (12 June, afternoon)

Biomedical Applications BRETON V. (CNRS, WISDOM initiative)

ARGO-YBJ Data Moving and Analysis GALEAZZI, F.(INFN, ARGO Project)

Coffee break

An introduction to the Bioinformatics & Health Grid Node of China National Grid CHEN J. (Beijing Genomics Institute - CAS)

Grid Activity in TaiWan CHIH-CHIANG CHANG (ASGC)

Round Table and Wrap-up

Of particular interest were two mini-workshops focusing on gLite middleware IPv6 compliance and on gLite-GOS interoperability. Several presentations introduced the general discussion and a list of technical actions was one of the important outcomes.

Workshop on Grid Middleware interoperability – Convener: Qian, D. (13 June, morning)

gLite Middleware GRANDI C. (EGEE project)

GOS Middleware WANG Y. (Beihang University)

Coffee break

Inter-operation with EGEE Infrastructure FATTIBENE, E. (INFN-CNAF)

Discussion on Interoperability & Interoperation

Workshop IPv6 Compatibility – Convener: Paolini, G. (13 June, afternoon)

gLite Middleware on IPv6 GAUTIER J.P. (CNRS/UREC)

GOS and CNGrid on IPv6 WANG R. (Beihang University)

First tests of gLite/IPv6 compatibility CARCIONE V. (GARR)

Coffee break

gLite WMS and IPv6 MONFORTE S. (INFN)

Discussion on IPv6 compatibility of Grid Middleware

The open sessions took two days and were followed by a 1-day internal workshop addressing the project participants and intended to provide them with updates on the project's progresses.

4.1.1.2. First EUCINA Grid Conference

The First EUCINA GRID Project Conference was held in Rome on the 18th and 19th of September 2006. On the 18th of September an internal workshop was organized at the INFN Headquarters. The Conference on the 19th of September, in the Aula Magna of the Roma Tre Rectorate, was open to the general public (more than 70 people were participating) and several external speakers were invited to give presentations on interesting applications and case histories.

A dedicated website (<http://www.euchinagrid.org/Conf-Roma06>) and posters to advertise the event were created.

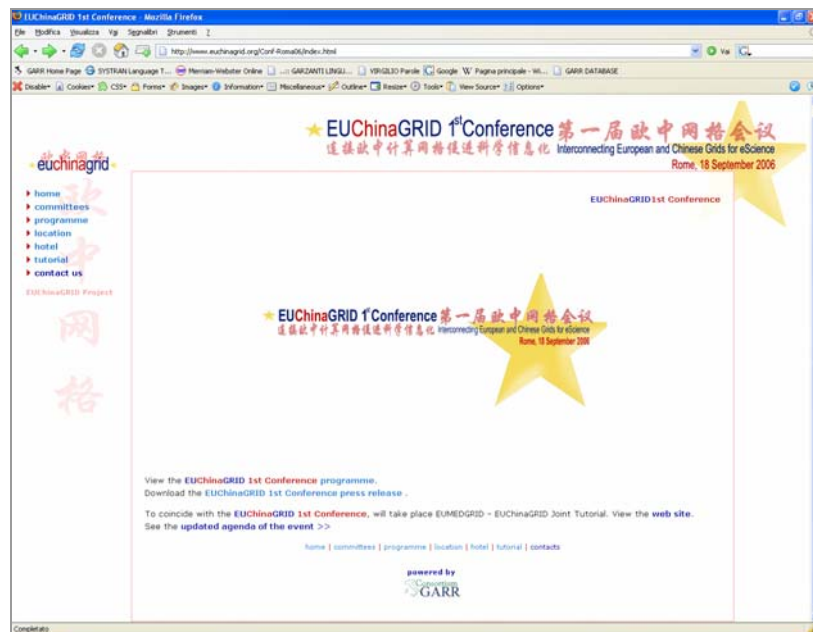


Figure 1 - A screenshot of the 1st Project Conference Website

The following is the agenda of the event (which is also available on the web at <https://agenda.euchinagrid.org/conferenceDisplay.py?confId=a0666> with downloadable speakers' presentations and materials).

Interconnecting European and Chinese Grids for e-Science

Welcome of Roma Tre - LUISI, P. (*Department of Biology - University of Roma Tre*)

Welcome of INFN - BERTOLUCCI, S. (*INFN Vice-President*)

Grid experiences in Asia: An overview - LE DANTEC, B (*ERCIM, Grid@Asia project*)

Coffee Break

Applications on the Chinese National Grid QIAN, D (*Beihang University*)

Biological Applications on the Grid -) BRETON, V (CNRS, WISDOM initiative)

Eughinagrid in the context of the global strategy for e-Infrastructures - CAMPOLARGO M. (EC) - VCC

Lunch Break

Interconnecting European and Chinese Grids for e-Science - RUGGIERI, F (EUChinaGRID PM)

Research connectivity between Europe and China: the TEIN2 and ORIENT projects - J. Chevers (DANTE)

Coffee Break

EGEE II: an e-Infrastructure for Europe and beyond (00h30') VALENTE, E. (GARR, EGEE Project)

EU-India Grid: joining European and Indian Grid for e-Science Network Community – BARBERA, R. (INFN, EU-IndiaGrid project)

Grid enabled remote instrumentation and sensors with distributed control – MARON, G. (INFN – LNL)

The project conference raised a good level of interest among Chinese journalists based in Rome, who were addressed with a press briefing given by S. Qian, deputy leader of WP5, about a month before the event. Three of them attended the Conference and published a couple of articles on the subject. Also the scientific officer of the Chinese Embassy in Rome attended and established contacts with the project management.

4.1.2. Bi-lingual project website, dynamic tools, satellite websites

As documented in the 1st Quarterly Report, the project website and collaborative tools were planned, designed, and implemented during the first project months. Detailed specifications of the website navigation, content architecture and functionalities are described in D5.2 “Dissemination and Outreach Plan” [R14].

The main website is based on simple HTML/CSS/PHP technology; all pages are W3C-compliant XHTML1.0 Transitional, and can be therefore correctly displayed by the major web browsers and are accessible with special text-based and “talking” web browsers for sight impaired people. The dynamic tools are mainly PHP based, in order to allow compliance with the largest possible number of clients. All pages rely on CSS style sheets and, in order to facilitate the update of entire sections at the same time, DWT templates have been produced.

These elements were passed on to the Chinese webmasters, who took care of adapting and using them to implement the Chinese version of the website (www.euchinagrid.cn), which was published during the second project quarter (it was officially announced during the 1st Project Workshop). The webmasters’ team is composed by people from different organizations; for this reason, it was a procedure to maintain the English and Chinese versions aligned and to perform and validate translations of new contents has been agreed.

Other satellite websites and dynamic tools were put online in addition to the main website using, whenever possible, the same style sheets and templates: the ROC website, the IPv6 website, and several PHP-based tools (agenda, document repository and trouble ticketing system, already mentioned in D5.2).

During the fourth quarter, the webalizer tool was installed on the English website, showing that, at month 12, i.e., after a year of operations, the website has reached ~900 monthly visits with more than 3000 hits. The idea is to have the tool installed as well on the Chinese website and perform an analysis usage statistics in order to increase these figures. Google Analytics could also be used.

4.1.3. Project dissemination materials

During the first project year, the following printed dissemination materials were made available, in printed version, in occasion of conferences, events etc; they are as well downloadable from the project website:

- Bilingual Project information sheet;
- “What are Grids?” leaflet;
- Adaptation of the GILDA leaflet for EUChinaGRID;
- EUCHINAGRID poster;
- EUCHINAGRID folder and block;
- Several project-customized gadgets.

All these items were given out during events.

4.1.4. Press relations

Press activities started with the official Kick-off Meeting. Several press releases were spread in different phases of the project and resulted in articles and mentions on other media. The press cuttings relating to EUChinaGRID can be viewed on: <http://www.euchinagrid.org/cut.html>.

First results in terms of press coverage were encouraging but very uneven as to distribution per Country. In particular, actions were taken to overcome a lack of experience from the Chinese side as regards to this particular activity: it was clear that, while within their organizations they had not a press office or someone devoted to maintain relationships with the press. Relationships with the Chinese press had therefore a difficult startup, but, also thanks to a close collaboration with the Project Office and the WP5 colleagues, the Chinese partners overcame the problem very quickly. First press relationships were originally established in order to advertise the Project Conference held in September and, as a result, correspondents in Rome of two major Chinese newspapers and a press agency attended it. Furthermore, more than 12 journalists attended a presentation by Prof. S. Qian and received the press release and other informative materials.

4.2. DISSEMINATION ACTIVITIES FORESEEN FOR THE SECOND PROJECT YEAR

4.2.1. New project dissemination materials

A new set of standard dissemination material was individuated and planned to be created in the first months of the second year of the project:

- **Project Web Site:** A complete review of the Project Web Site (English and Chinese version) will be performed. This will involve an in-depth usability test, whose checklist is given in appendix to this document.
- **Analysis of web usage statistics:** Webalizer and, if deemed useful, other tools like Google Analytics will be used to perform an in-depth analysis of the web usage of both English and Chinese websites; the findings of this analysis will be used in order to design a strategy to increase the website's use and visibility.
- **Project Poster:** An update version of the project poster in English and Chinese versions, schematically illustrating the project activities, aims and major achievements. It is conceived as a support to the presence at conferences, exhibitions and other events.
- **Project Newsletter:** A quarterly newsletter addressed to the EUChinaGRID project members, the related Grid projects communications teams and the specialized media will be activated.
- **Tool to manage the contacts:** An application to manage the contacts collected during the project events will be adopted as project tool. This application will allow project partners to easily find a subset of contacts satisfying special requirements as interest in a topic, participation to a specific event and so on. In this way the collaborative work will be simpler (e.g., search for all the contacts interested in a topic to send them a report). Moreover, the database of contacts of this application will be used to distribute the project newsletters.

5. MULTIPLYING COMPETENCES (A5.2: DISSEMINATION OF ADVANCED KNOWLEDGE ACTIVITIES)

5.1. DISSEMINATION EVENTS ORGANIZED

In this section, information about all EUChinaGRID dissemination events organized during the first year of the project are presented. Table 4.1. summarizes some of the data.

Table 4.1. Conferences, Workshops and Tutorials organized to date

<i>Date</i>	<i>Location</i>	<i>Event</i>	<i># of Participants</i>
03-07/04/06	Beihang University, Beijing (China)	First EUChinaGRID Tutorial for Users and System Administrators	System admin.: 27 Users: 27
18-21/04/06	University of Roma Tre, Rome (Italy)	Second EUChinaGRID Tutorial for Users and System Administrators	System admin.: 25 Users: 16

15- 16/06/06	IHEP, Beijing (China)	Third EUChinaGRID Tutorial for Users	50
11- 13/09/06	University of Roma Tre, Rome (Italy)	4th EUChinaGRID Tutorial for Users and System Administrators	System admin.: 32 Users: 19
25- 26/11/06	Peking University, Beijing (China)	5th EUChinaGRID Tutorial for Users	35

5.2. TUTORIALS

The main purpose of the organized tutorials was the dissemination of advanced knowledge to provide detailed technical information to the potential users and grid site managers. The gLite middleware is the main training topic addressed and we showed to the users and site managers how to install, configure, and use it. The complete list of tutorial attendants is reported in Appendix 8.1.

After attending those events, the trainees were able to act themselves as further dissemination vectors, helping the spread out of the knowledge inside the Chinese EUChinaGRID participants. We will come back on the creation of the “local training team” in Section 6.1

Below, the profile of each tutorial is shown. The users’ feedback rate ranges from 1 (worst rating) to 6 (best rating).

5.3. FIRST EUCHINAGRID TUTORIAL FOR USERS AND SYSTEM ADMINISTRATORS

The purpose of this tutorial is the dissemination of advanced knowledge to provide detailed technical information to the Chinese potential users.

Partners involved

- INFN Catania, INFN Roma3, JSI, IHEP, GRNET, BUAA, PKU, CNIC.

Objectives

- Dissemination of grid computing skills.
- Prepare locale scientist to use grid infrastructure.
- Dissemination of site administration knowledge.
- Prepare local technicians to create and manage grid infrastructure.

Topics

- Introduction to GILDA t-Infrastructure.
- Overview of the main services of the gLite middleware.
- Practical sessions on main services of the gLite middleware.
- Installation and configuration of the resources for a base configuration of a gLite site.
- Installation and configuration of the principal services of the gLite middleware.

Description of technical setup

- gLite services, installed during the site administrator tutorial, were used in the hands-on sessions.

Users' feedback - Average rate

- System Administrators: 4.8
- Users: 3.87

Event URLs

- <https://agenda.euchinagrid.org/conferenceDisplay.py?confId=a0615>

5.4. SECOND EUCHINAGRID TUTORIAL FOR USERS AND SYSTEM ADMINISTRATORS

The purpose of this tutorial is the dissemination of advanced knowledge to provide detailed technical information to the potential users. Trainees could also act themselves as further dissemination vectors for Chinese people.

Partners involved

- INFN Catania, INFN Roma3.

Objectives

- Dissemination of grid computing skills.
- Prepare locale scientist to use grid infrastructure.
- Dissemination of site administration knowledge.
- Prepare local technicians to create and manage grid infrastructure.
- Prepare local people to act themselves as further dissemination vectors for Chinese people.

Topics

- Introduction to GILDA t-Infrastructure.
- Overview of the main services of the gLite middleware.
- Practical sessions on main services of the gLite middleware.
- Installation and configuration of the resources for a base configuration of a gLite site.
- Installation and configuration of the principal services of the gLite middleware.

Description of technical setup

- gLite services, installed during the site administrator tutorial, were used in the hands-on sessions.

Users' feedback - Average rate

- System Administrators: 5.25
- Users: 5.00

Event URLs

- <http://www.roma3.infn.it/messaggi/image/locandinagrid.png>
- <https://grid-it.cnaf.infn.it/cdsagenda/fullAgenda.php?ida=a0630>

5.5. THIRD EUCHINAGRID TUTORIAL FOR USERS

The purpose of this tutorial is the dissemination of advanced knowledge to provide detailed technical information to the chinese potential users. Trainees of the first EUChinaGRID tutorial acted themselves as dissemination vectors within their communities.

Partners involved

- INFN Catania, INFN Roma3, JSI, IHEP, CERN, PKU, CNIC.

Objectives

- Dissemination of grid computing skills.
- Prepare locale scientist to use grid infrastructure.

Topics

- Introduction to GILDA t-Infrastructure.
- Overview of the main services of the gLite middleware.
- Practical sessions on main services of the gLite middleware.

Description of technical setup

- gLite services, installed in the IHEP site, were used in the hands-on sessions.

Users' feedback - Average rate

- Users: 4.65

Event URLs

- <https://agenda.euchinagrid.org/conferenceDisplay.py?confId=a0621>

5.6. 4TH EUCHINAGRID TUTORIAL FOR USERS AND SYSTEM ADMINISTRATORS

Partners involved

- INFN Catania, INFN Roma3.

Objectives

- Dissemination of grid computing skills.
- Prepare scientist to use grid infrastructure.
- Dissemination of site administration knowledge.
- Prepare technicians to create and manage grid infrastructure.

Topics

- Introduction to GILDA t-Infrastructure.
- Overview of the main services of the gLite middleware.
- Practical sessions on main services of the gLite middleware.
- Installation and configuration of the resources for a base configuration of a gLite site.
- Installation and configuration of the principal services of the gLite middleware.

Description of technical setup

- gLite services, installed during the site administrator tutorial, were used in the hands-on sessions.

Users' feedback - Average rate

- System Administrators: 4.33
- Users: 4.54

Event URLs

- <https://agenda.euchinagrid.org/conferenceDisplay.py?confId=a0669>

5.7. 5TH EUCHINAGRID TUTORIAL FOR USERS

The purpose of this tutorial is the dissemination of advanced knowledge to provide detailed technical information to the chinese potential users. Trainees of the first and third EuchinaGRID tutorial acted themselves as dissemination vectors within their communities.

Partners involved

- INFN Catania, JSI, IHEP, PKU, CNIC.

Objectives

- Dissemination of grid computing skills.
- Prepare locale scientist to use grid infrastructure.

Topics

- Introduction to GILDA t-Infrastructure.
- Overview of the main services of the gLite middleware.
- Practical sessions on main services of the gLite middleware.

Description of technical setup

- gLite services, installed in the IHEP site, were used in the hands-on sessions.

Users' feedback - Average rate

- Users: 5.19

Event URLs

- <https://agenda.euchinagrid.org/conferenceDisplay.py?confId=5>

5.8. TUTORIAL STATISTICS

Statistics of EUChinaGRID tutorials have been collected since the beginning of the Project. By the end of each knowledge dissemination event, all attendees have been invited to fill a feedback form to provide his/her evaluation about the tutorial activities. Those data are gathered and published on-line at [R1] and are also reported below for reader's convenience.

Figure 1 presents the total number of trained people concerning all the organized tutorials so far. The amount of users is presented in blue and the system administrators in red. Overall, about 240 people were trained.

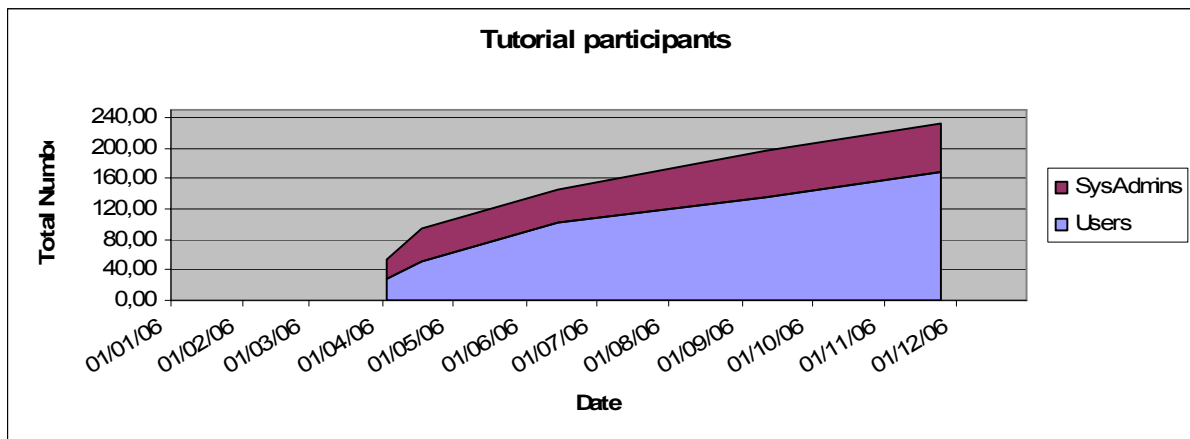


Figure 1. Cumulative number of participants

Figure 2 shows, for each tutorial, the product of the number of participants multiplied by the number of days. This is a widely accepted metrics to quantitatively evaluate the impact of the knowledge dissemination activity.

About 460 participants × days have been delivered so far.

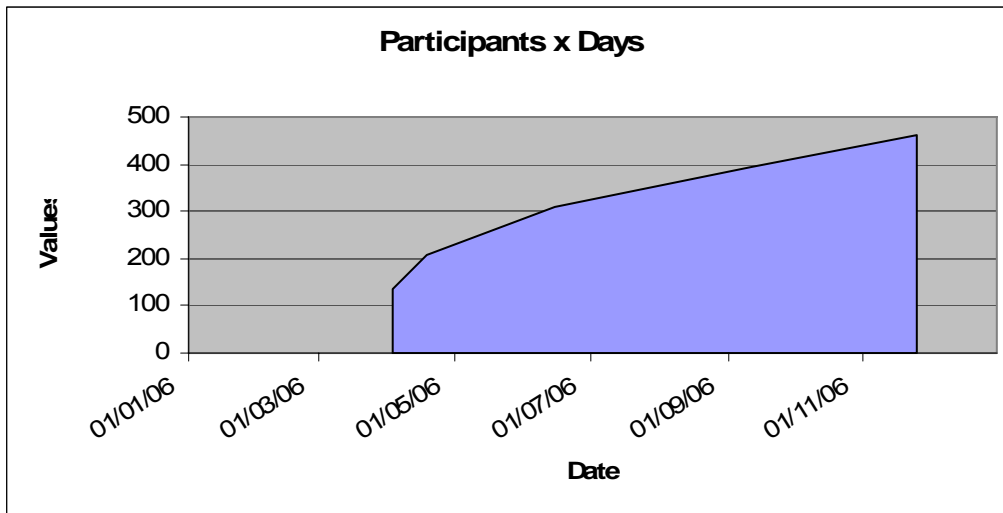


Figure 2. Participants x days of all tutorials

In Figure 3, the users' global rating of each tutorial is presented. The rating scale varies from 1 (worst rating) to 6 (best evaluation). In the cases where both a tutorial for users and a tutorial for site administrators were given in the same event, the mean of the two feedbacks is plotted. The period under consideration is of course from the 1st of January to the 31st of December 2006.

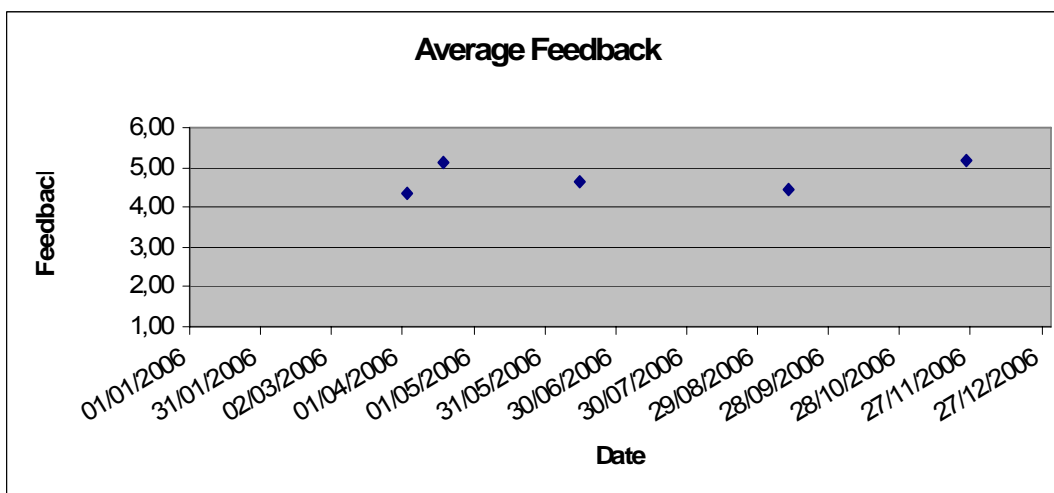


Figure 3. Average feedbacks of tutorial participants

5.9. NEXT PLANNED EVENTS

Table 5.1. summarizes the forthcoming events.

Table 5.1. Knowledge dissemination events foreseen

<i>Quarter</i>	<i>Location</i>	<i>Event</i>	<i>Target audience</i>
Q2 2007	Beijing (China)	EUChinaGRID Tutorial for Users and System Administrators	Potential grid users and site administrators
Q2 2007	(China)	EUChinaGRID Tutorial for Users and System Administrators	Potential grid users and site administrators
Q2 2007	Beijing (China)	Second EUChinaGRID Conference (in cooperation with ECHOGRID)	EUChinaGRID consortium representatives, Chinese authorities, stakeholders and decision makers
Q3 2007	Cracow (Poland)	Second EUChinaGRID Workshop	EUChinaGRID consortium representatives, Chinese authorities, stakeholders and decision makers
Q3 2007	Not defined	EUChinaGRID Tutorial for Users and Applications	Potential grid users
Q4 2007	Not defined	EUChinaGRID Tutorial for Users and Applications	Potential grid users
Q4 2007	Not defined	EUChinaGRID Tutorial for Users and Applications	Potential grid users

6. ENLARGING THE COMMUNITY (A5.3: PROMOTING NEW COMMUNITIES)

During the first year, a large effort was devoted to improve the knowledge of existing applications, aiming to enlarge the initial EUChinaGRID community. To reach this task a questionnaire (see Appendix) has been published on the English and Chinese web site at the following addresses:

- http://www.euchinagrid.org/new_communities_form.php
- <http://www.euchinagrid.cn/questionnaire.php>

The questionnaire aims to gather relevant information on the adoption of distributed and grid computing in Euro-Chinese collaboration for e-Science.

Till now we got 48 answers and the first set of them from the Chinese web site has been analyzed.

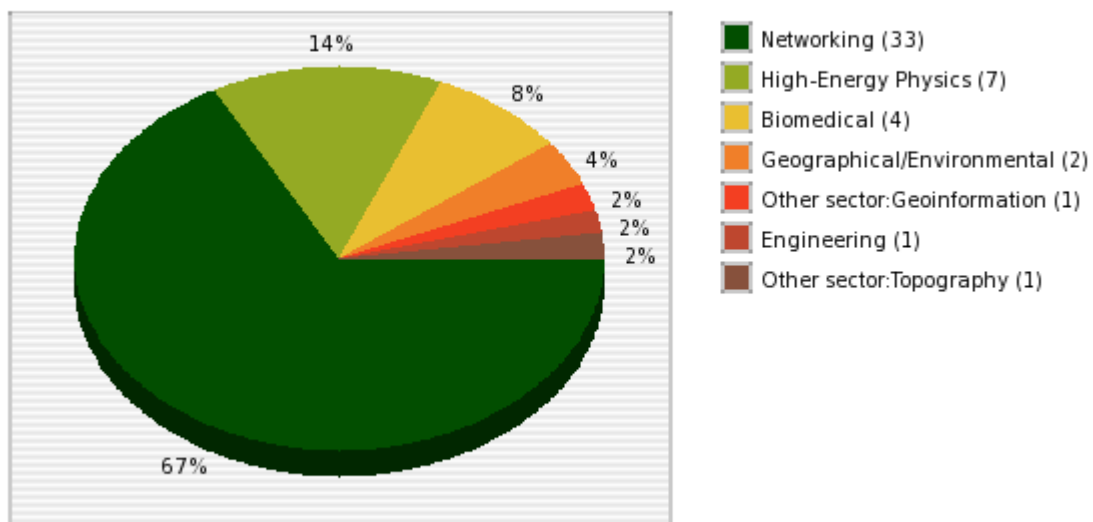
6.1. RESULTS OF THE QUESTIONNAIRES

The answers provided by the new communities through the questionnaires were collected and analyzed, both in a analytical and a graphical way.

Below, you can find the summary charts collecting the answers provided:

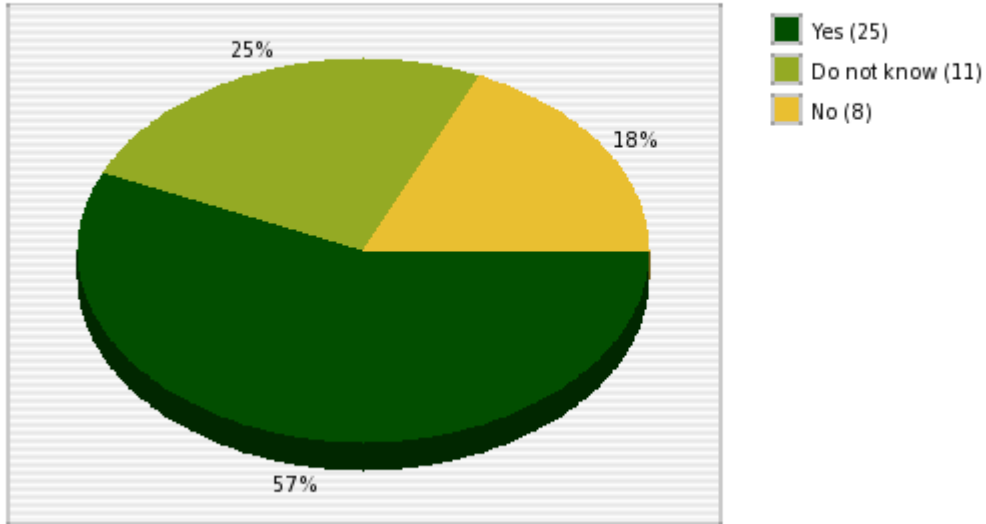


Scientific sector

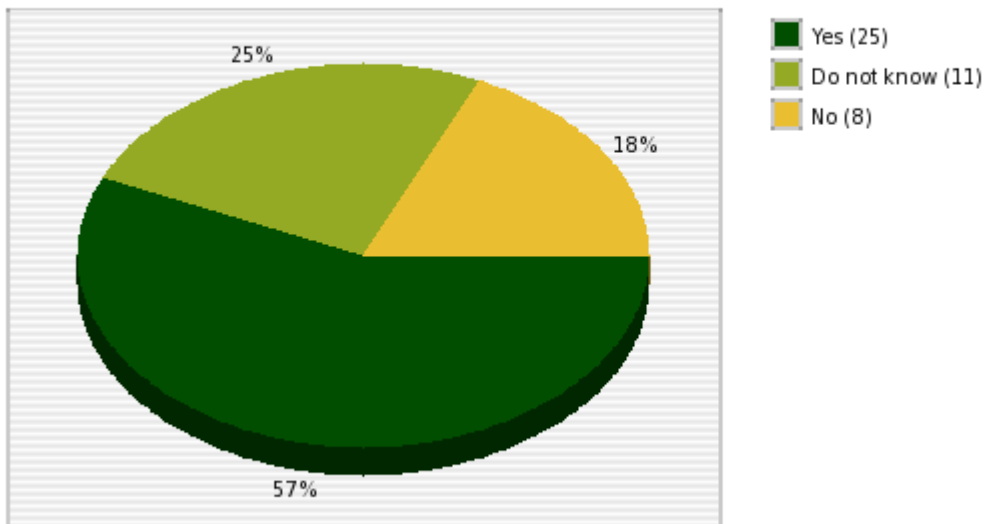




Have you heard about and/or used Grid technologies?

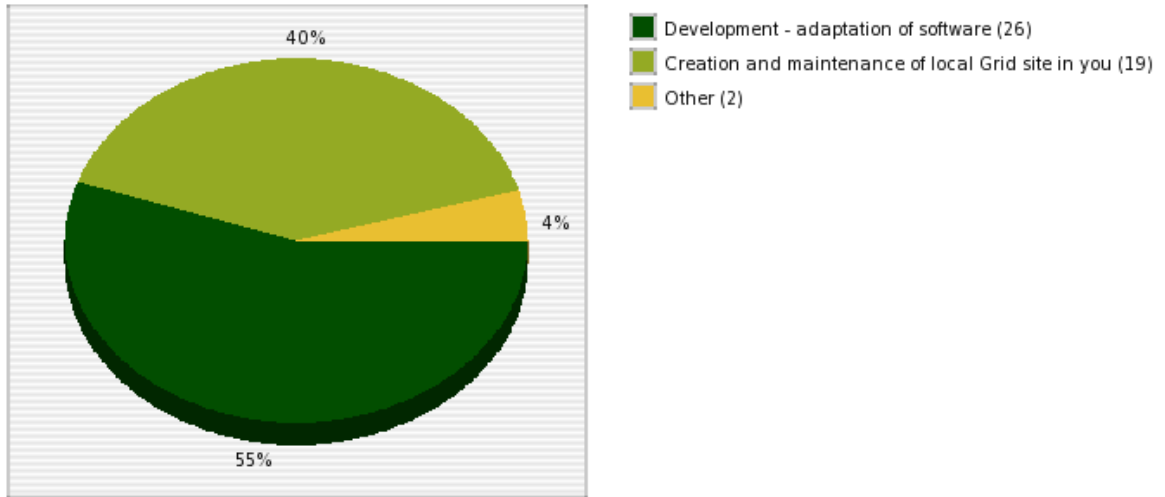


If you are not using Grid infrastructure, would your research group benefit from it?

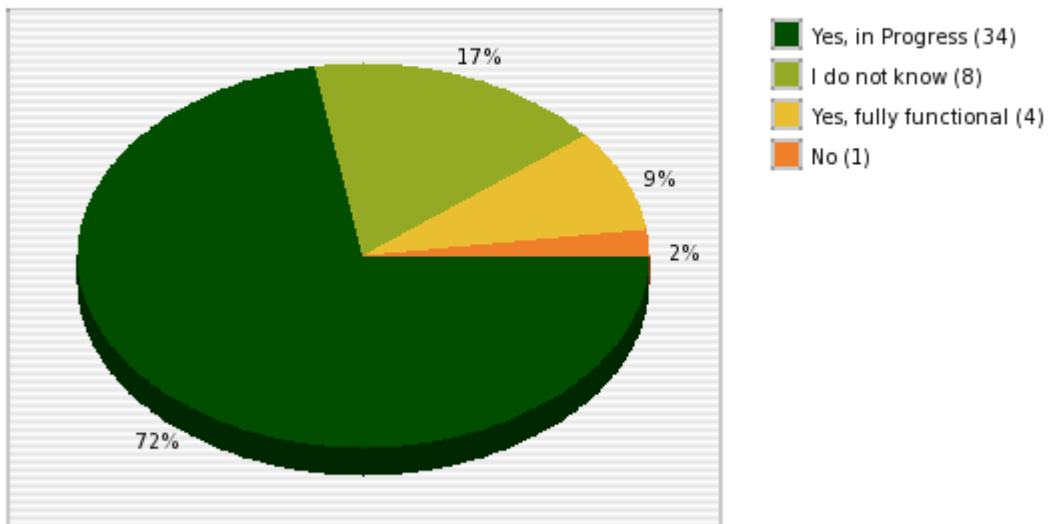


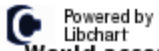


Are you interested in participating in a national project that involves middleware development or local grid site installation and configuration ?

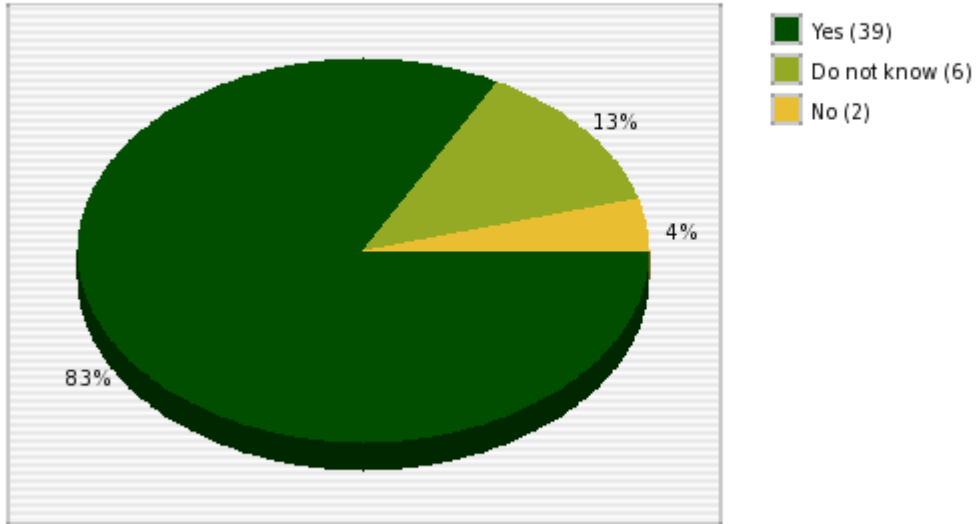


Is there a National Grid Initiative in your country ?





Would access to a grid infrastructure encourage you to tackle larger or more complex problems?



7. COLLATERAL ACTIVITIES

7.1. LOCAL TRAINING TEAMS

As a key enabler for long term sustainability of the project, big efforts have been made towards the creation of local training teams in China. At the end of the first year of the EUChinaGRID project we can count on experienced people in BUAA, CNIC, IHEP and PKU which now act as further dissemination vectors.

Furthermore, the local trainers have delivered talks in Chinese during the tutorials in which they contributed, improving the effectiveness of the induction courses and easing the transfer of knowledge from them to the audience.

7.2. TRAINING MATERIAL REPOSITORY

All training material produced and used in several dissemination knowledge activities were published in an open repository at:

<https://documents.euchinagrid.org/collection/Training%20materials>. Overall, 76 documents are available so far: multimedia presentations, exercises, user guides, and video tutorials.

8. ANNEX

8.1. QUESTIONNAIRE FOR NEW COMMUNITIES

Section A - GENERAL

1. Organization/Institution
2. Department
3. Address
4. Country
5. Full Name
6. Position
7. e-mail
8. Telephone
9. Approximately how many researchers work in your organisation?
10. Scientific Sector

Please provide further details about your organisation in this space that you think may be relevant to the EUChinaGRID project.

Section B - EXPERIENCE WITH GRID TECHNOLOGIES

11. Have you heard about and/or used Grid technologies?
12. If you are not using Grid infrastructure, would your research group benefit from it?
13. Which of the following best describes you as a Grid user? [For existing users]
14. Which of the following definitions seems most appropriate to your use of the Grid and the applications you would execute? [For potential new users]
15. Are you interested in participating in a national project that involves:
16. Is there a National Grid Initiative in your country? If yes, please give a description (or provide a URL) of the initiative (including its purpose) plus a list of all the participating organizations.

Please provide further details in the space below:

17. Would access to a grid infrastructure encourage you to tackle larger or more complex problems?

Please provide further details about your experience with grid technologies in this space

Section C - APPLICATIONS

18. If you are using a Grid infrastructure, what kinds of problems do you try to solve?

19. If you are NOT currently using a Grid infrastructure, what kinds of problems do you plan to solve?

Please provide further details below:

20. What new problems will be addressed by your organisation if current computational constraints were eliminated?

21. What type of Grid infrastructure would best serve your organisation's application requirements?

22a. Your existing applications may be classified as

22b. What is the time criticality of your existing applications?

23. The Security (Confidentiality/Integrity/Availability) of the data of your application(s) is

24. What is the amount of storage of your applications?

25. Do you use parallel applications?

Please provide further details about your existing applications in this space:

Section D - SOFTWARE

26. What type(s) of Operating System(s) are you mainly using for processing / simulation / problem solving tasks

Please provide further details about your OS (such as whether you have a heterogeneous environment, different OS versions, different UNIX flavours, etc.) in the space below:

Do you have experience installing Scientific Linux?

27. Which job schedulers do you make use of?

28. Which parallel toolkits do you use?

29. Do you use any of the following grid enabling technologies?

Please provide further details about the grid technologies that you have experience with in the space below:

30. Are your systems installed behind a firewall?

Please provide further details about your existing software used on your existing clusters in this space:

Section E - HARDWARE

31. Please specify your existing hardware infrastructure

a. Network Connections used on your cluster

i. Speed

ii. Type

- iii. Medium
- b. Internet connectivity bandwidth
 - i. Downstream
 - ii. Upstream
 - iii. Total (If Downstream/Upstream is not known please fill in the total bandwidth here)
- c. Memory (RAM) Storage (Average GB per Node)
- d. Total Hard Disk Storage (GB)
- e. CPU Architecture/s
- f. CPU model/s
- g. CPU Speed (MHz)
- h. Number of CPUs per SMP Node
- i. Total Nodes in Cluster
- j. Other hardware infrastructure (tape drives, UPS, etc.):
 - a. Network
 - b. Storage
 - c. CPU
 - d. Software

Please provide further details about the hardware setup used on your existing cluster(s) in this space. In particular describe what proportion of your hardware would be available to cater for EUChinaGRID requirements.

Section F - TRAINING

33. Local training facilities:

Number of rooms:

Number of PCs per room:

34. Local collaborative facilities:

35. Have you ever participated to grid training events and conferences?:

Please list venue, number of people attending, date, name of event, URL, etc.

Section G - OTHER FEEDBACK

36. Kindly provide any additional feedback that you think would be relevant to the EUChinaGRID project in the space below.



□ Interconnection & Interoperability of Grids
between Europe & China □

Doc. Identifier:
EUChinaGRID-D5-3-Final.doc

Date: **16/02/2007**

37. Please tell us how you found out about this questionnaire:

8.2. USABILITY SURVEY

8.2.1. Pre-test user profile

1. Country:.....
2. Job Title:.....
3. Age range (*please check one*):
 - 18 - 24
 - 25 - 34
 - 35 - 45
 - over 45
4. Gender (*please check one*):
 - Male
 - Female
5. Your highest education level? (*please check one*)Primary
 - Secondary
 - Professional training
 - University/College
 - Other
6. For how long have you been using computers in your work (*please check one*):
 - less than 6 months
 - between 6 months and a year
 - 1 - 3 years
 - 3 years or more
7. For how long have you been using Internet? (*please check one*)
 - less than 6 months
 - between 6 months and a year
 - 1 - 3 years
 - 3 years or more

8. How often do you use Internet? *(please check one)*
- several times a day
 - once a day
 - several times a week
 - once a week
 - several times a months
 - once a month
 - less than once a month
9. How long do you typically spend on the Internet each time you use it? *(please check one)*
- up to 2 minutes
 - 2-5 minutes
 - 5-10 minutes
 - 10-30 minutes
 - 30 minutes-2 hours
 - over 2 hours
10. What do you mainly use the Internet for? *(please check one)*
- professional use
 - recreational use
 - study/private research
 - other
11. When did you first use this web site? *(please check one)*
- just started today
 - several days ago
 - one week ago
 - several week ago
 - one month ago
 - several months ago

- 6-12 months ago
- over a year ago

12. How often do you use this web site? *(please check one)*

- several times a day
- once a day
- several times a week
- once a week
- several times a months
- once a month
- less than once a month

13. How long do you typically spend on this web site each time you use it? *(please check one)*

- up to 2 minutes
- 2-5 minutes
- 5-10 minutes
- 10-30 minutes
- 30 minutes-2 hours
- over 2 hours

14. What were your main reasons for using this web site?

15. Do you have any additional comments about the web site's ease of use?

16. Is there anything you think is missing from this web site?

17. What help or support have you needed in using this web site?

18. What part of this web site do you find most interesting or useful?

8.2.2. *User's tasks*

Task1

This is the homepage of a Web site dedicated to an European Project. Please, give me your

initial reactions to this page. Feel free to explore this page as you normally would. You can scroll around with your mouse, but please don't click on anything just yet.

Facilitator will ask:

- Have you ever seen this web site before?
- Please give me your initial impressions about the layout of this page and what you think of the colors, graphics, photos, etc.
- Without clicking on anything yet, please describe the options you see on the home page and what you think they do. Feel free to move around the page, but again I'll ask you not to click on anything right now.
- Without clicking on anything yet, if you were exploring, what would you click on first?
- What do you think is the purpose of this site?

Task2

I'm going to give you five minutes to freely explore this Web site. You may go anywhere you would like to go on the Web site, but please remember to speak aloud as you do so. I will tell you when the five minutes are up.

Task3

Your friend Kevin mentions hearing about some pilot applications proposed for the EUChinaGRID initiative but he isn't sure what they are. Using this Web site, determine whether or not it contains information that would address Kevin's question.

When you feel you have completed this task, please say so.

Task4

Your organization wants to become a member of the euchina Virtual Organization (VO). Using this Web site, determine how many steps you have to do to register and which are the names of the euchina VO.

When you feel you have completed this task, please say so.

Task5

Your colleagues are interested in subscribing to EUChinaGRID WorkPackage2 list. Using this Web site, please subscribe to this mailing list and download the mail of June 2006.

When you feel you have completed this task, please say so.

Task6

You have found a relevant link about grids. Using this web site, please signal it to the Project Office.

When you feel you have completed this task, please say so.

Task7

You need support from the... Using this web site, submit a ticket.

When you feel you have completed this task, please say so.

Task8

Your organization is organizing a conference about the grids. Please, add this event on the agenda.

When you feel you have completed this task, please say so.

Task9

You need to print the Project leaflet. Please, find it on our document repository.

When you feel you have completed this task, please say so.

Task10

You are in contact with a journalist of your Country that wants information about the first Project Conference. Please, download the articles written in that occasion and download the press release.

When you feel you have completed this task, please say so.

Task11

You are writing a document about the “Dissemination of advanced knowledge activities” and you need to use the last statistics about the EUChinaGRID tutorials. Please, find them on the EUChinaGRID web site.

When you feel you have completed this task, please say so.

8.2.3. Post Test Interview

The questionnaire will give you a series of statements. I would like you to rate your agreement with each statement (values are from 1 to 5, 1=strongly disagree, 5=strongly agree).

1. The homepage is attractive.
2. The overall site is attractive.
3. The site's graphics are pleasing.

4. The site has a good balance of graphics versus text.
5. The colors used throughout the site are attractive.
6. The typography (lettering, headings, titles) is attractive.
7. The homepage's content makes me want to explore the site further.
8. It is easy to find my way around the site.
9. I can get to information quickly.
10. It is fun to explore the site.
11. It is easy to remember where to find things.
12. Information is layered effectively on different screens.
13. The homepage is attention-getting.
14. Information is easy to read.
15. Information is written in a style that suits me.
16. Screens have the right amount of information.
17. The information is relevant to my professional needs.
18. The site is designed with me in mind.
19. The site's content interests me.
20. The site's content would keep me coming back.
21. The site has characteristics that make it especially appealing.
22. The site reflects progressive, leading edge design.
23. The site is exciting.
24. The site is well-suited to first-time visitors.
25. The site is well-suited to repeat visitors.
26. The site has a clear purpose.
27. I always felt I knew what it was possible to do next.
28. It is clear how screen elements (e.g., pop-ups, scrolling lists, menu options, etc.) work.
29. My mistakes were easy to correct.

8.3. LIST OF REGISTRANTS

8.3.1. First EUChinaGRID Tutorial for Users and System Administrators

Name	Mail	Organization
Giuseppe Andronico	giuseppe.andronico@ct.infn.it	INFN Catania
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Giuseppe La Rocca	giuseppe.larocca@ct.infn.it	INFN Catania
Cheng, Yao dong	chyd@ihep.ac.cn	IHEP
Guan, Wen	gavin@ihep.ac.cn	IHEP
Liu, Aigui	liuag@mail.ihep.ac.cn	IHEP
Wu, Wenjing	wuwj@ihep.ac.cn	IHEP
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Ye, Hongxue	yehx@hep.pku.edu.cn	PKU
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8.3.2. Second EUChinaGRID Tutorial for Users and System Administrators

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8.3.3. Third EUChinaGRID Tutorial for Users

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		zyhua@cnic.cn	CNIC
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8.3.4. 4th EUChinaGRID Tutorial for Users and System Administrators

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8.3.5. 5th EUChinaGRID Tutorial for Users

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