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EchoGRID

European and Chinese Cooperation on Grid

SSA Project

Advanced Grid Technologies, Systems and Services

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Summary

In order to avoid duplication of efforts and to better coordinate the activities of the Grid-related projects in *DG INFSO-D3*, all FP6 projects comprise a dedicated task to manage the collaboration with the other projects.

Together with the European Commission periodic Concertation Events will be organised, the first one having taken place in September 2004. These Concertation Events are major synchronisation points of the collaboration. The outcomes of these events are reconciled workplans for the collaboration tasks for the time following the event, documentation of the approach taken and of first results.

This document contains a draft collaboration plan for the EchoGRID project including the commitment for contributing to this activity.

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1 Introduction

The continuation of the specific Concertation activities initiated by the European Commission Unit F2 Grid Technologies, now lodged under Unit D3 – Software & Services Architectures and Infrastructures - was uncertain at the beginning of the project. On 27 March 2007, a meeting organized by the European commission confirmed the continuation of these activities.

1.1 Purpose of this document

This document presents a draft description of effort, measures taken and planning of the Collaboration tasks of the EchoGRID project. This document will be circulated among the other FP6 Grid projects and the Responsible Project officers of the European Commission. This allows checking for consistency across the deliverables of the different projects funded by the European Commission describing their contributions and engagement. After this consolidation phase a final version of this deliverable will be prepared by end of June 2008.

1.2 Web pages

To facilitate access to information of the Collaborative task 6.3, WP6 has set up some web pages using the layout of the EchoGRID Public Web-pages. These pages are intended to present information about the Collaboration and Concertation activities of the project. Therefore, a link “Concertation Activities” has been added to the main menu of the EchoGRID Web site. Figure 1 below shows a screenshot with the planned content of the entry page in the EchoGRID layout:



As shown in Figure 1 the entry point is linking to the specific web pages of the Collaboration Gateway task 6.3:

- Exploitation of synergies / technical concertation
- Joint fora for exchange and dissemination
- Co-ordination of standardisation efforts
- Technical inventory and Information Service
- Yearly concertation activities for the EC funding projects from FP6 call 5 and 6 involving Chinese partners

These task-specific web pages include information on the tasks and further links. Again like the repository this is an Internet-based platform, which will be filled with information during the whole lifetime of the project and therefore will be updated frequently.

1.3 Contact Persons

The project has identified the following contact persons for the five collaboration activities

Activities	Name	Institution
6.3.1 - Exploitation of synergies / technical concertation	Thierry Priol	INRIA
6.3.2 - Joint fora for exchange and dissemination	Rémi Ronchaud	ERCIM
6.3.3 - Co-ordination of standardisation efforts	Andrea Maniéri	ENG
6.3.4 - Technical inventory and Information Service	Dimosthenis Kyriakis	NTUA
6.3.5 - Yearly concertation activities	Bruno Le Dantec	ERCIM

2 Collaborative tasks

2.1 Exploitation of synergies / technical concertation

Objectives

The goal of this task is to exchange information and exploit synergies among the work developed by the projects funded under FP6 relevant to the Grid activity. Several actions have been taken in cooperation with other EU projects and we plan to carry on our efforts to develop further collaborations with these projects.

Actions

EchoGRID organised its first workshop in Beijing hosted by the Beihang University. Representatives from EC funded projects and Chinese Grid programmes have been invited to contribute to the discussion. Representatives from NextGRID, NESSI Grid, Challenger, GridCOMP, GridCoord, BEinGRID, CoreGRID were given the possibility to present their work and to discuss their plan for the future with their Chinese colleagues.

In addition, collaboration with the EUChinaGrid project is underway and will ensure an increasing cooperation with the Chinese research community. This collaboration first materialised during the Joint conference organised in Beijing in April 2007.

Finally, ERCIM contacted Clemens-August Thole, from the SIMDAT EU funded project, is in charge of the “Technical concertation” task. There are 9 technical groups (TG) composing this collaborative task.

TG1: Grid architecture

TG2: Ontologies

TG3: Workflow

TG4: Fabric monitoring

TG5: Data management

TG6: Security

TG7: Business models and SLAs

TG8: Virtual organisations

TG9: Grid Portals

Planning

Meeting with CA Thole is planned in September to identify among the 9 tasks those where EchoGRID should be involved.

2.2 Joint fora for exchange and dissemination

Objectives

This task aims at organising both “exchange between projects” and “dissemination” to the Grid community. The goal is to align the dissemination activities from the very beginning between the projects.

Actions

EchoGRID organised its 1st Joint International Conference on 24-27 April 2007 hosted by ICT, Chinese Academy of Sciences in Beijing, and co-organised with the LIAMA, BUAA and CNIC. This Conference presented complementarities between European and Chinese initiatives and disseminated the goals and foreseen activities of EchoGRID and [EUChinaGRID](#). The conference promoted cross-fertilisation between Grid-related projects and initiatives in Europe and China by interacting with top Grid research and industrial communities, exchange experiences and best practices for Grid middleware and applications interoperability.

The following topics were discussed : Enterprise Challenges with Grids, Interoperability, New Programming Paradigms/SOA, New Priorities for Management in Grids and Ongoing Research versus Enterprise Achievements.

ERCIM contacted Stefan Wesner, HLRS, in charge of the “Joint Fora for exchange & dissemination” task to discuss the EchoGRID contribution. During the EC workshop on 27 March 2007 in Brussels, it was agreed that the 3S project (SSA) will be in charge of starting a new web portal for this specific activity.

Planning

End of October 2007, EchoGRID is organising a series of joint events in Beijing hosted by CNIC. During this week, 3 EC funded projects will meet to exchange their vision on Grid technologies in China. These projects are EchoGRID, Bridge and GridComp. EGEE and ETSI representatives have been invited to join. On Wednesday morning a plenary session will bridge the 3 European projects.

Event	28/10/2007		29/10/2007		30/10/2007		31/10/2007		01/11/2007		02/11/2007	
	AM	PM										
PLUGTESTS												
EchoGRID 2nd Wshop												
BRIDGE WShop												
GridCOMP WShop&Tutorial												
ETSI TC GRID Meeting												
Prize Ceremony/DINNER												

Planning of the events in Beijing

2.3 Co-ordination of standardisation efforts

Objectives

Apart from the individual project activities on standardisation, tasks 3.1 and 3.2, a set of joint strategy and activities will increase impact. Therefore, EchoGRID will participate in the FP6 Grid projects strategy group that will produce regularly updated standards reports (including project activities) and will co-ordinate the projects activities.

Actions

EchoGRID get in touch with the European GRID Standards Strategy Group created in 2004 is chaired by Philipp Wieder, from Research Center Jülich. EchoGRID joined this group represented by Andrea Manieri. Andrea Manieri has thus been registered into the gscg@nextgrid.org mailing list and got a BSCW account. In the second step, Philipp Wieder will circulate information about plans and achievements within the Grid Standards Coordination Group.

Discussions with ETSI have been carried on and it is planned to have ETSI playing a major role in an important EchoGRID activity namely the Plugtests. Two events will be organized by the project. The first event in Beijing from 29 October to 2 November 2007 jointly with the Bridge and GridComp EC funded projects. The second event will be collocated in China and France in fall 2008.

Furthermore, EchoGRID is collaborating with several EU projects such as Nessi-grid, EUChinaGrid, Challenger, BEinGrid, AKOGRIMO, EC-GIN, Bridge, GridComp, to initiate Grid discussions. These contacts will increase since collaboration with other EU projects shall

ensure the emergence of research results on a global scale and durable technology solution implementation for standardization.

In addition to those projects, EchoGRID is collaborating with the OW2 Consortium, through INRIA and Engineering as OW2 founders.

Finally EchoGRID will provide networking activities to bridge effort on Quality assurance certification processes with ETSI Grid, ETICS, Qualipso and Qualoss project, by mean of common partners in the project or focused meetings to share findings and identify synergies.

Planning

During the Concertation event in Brussels September 2007 a member of EchoGRID will attend the parallel session 3 on 27 September for the preparation of further joint activities in the standardisation area. ERCIM will at the same time encourage participation of a representative from W3C to the standardisation sessions.

2.4 Technical inventory and Information Service

Objectives

The implementation of a repository is being discussed with several contributors inside and outside the EchoGRID project. The project will participate in the efforts made by other Grid projects such as GridCOMP, CoreGRID and BEinGRID to set up an inventory accessible on their website.

Actions

BEinGRID, project responsible of this activity at the European level, plans to send during the summer 2007 a policy for inclusion of other projects' output in the BEinGRID repository. Once the policy will be circulated, EchoGRID will discuss with BEinGRID its potential contribution.

Planning

Discussion will take place during the concertation event in Brussels with BEinGRID representatives and also in China during the second EchoGRID workshop planned at the end of October.

2.5 Yearly concertation activities

Objectives

Every year, the European Commission with the support of running funded projects, organise a Grid Concertation Meeting now known as "European Services, Software and Grid Technology Days Meeting". This meeting is the occasion for running project to exchange

information and best practices, to identify topics for future collaborations and to welcome new funded projects. EchoGRID will be actively involved in these meetings.

Actions

In March 2007 representatives from the IPs and NoE funded by DG3 had a meeting in Brussels to discuss the date and the content of the annual concertation event. This event, the European Services, Software and Grid Technology Days Meeting is organised on September 26 and 27, 2007, in Brussels.

EchoGRID will organise and chair the session dedicated to International relations on 26 September afternoon. Project members will also participate in the plenary and parallel sessions such as standardisation, open source, Repositories of European and Global GRID & SOI middleware, Software Engineering...

Planning

EchoGRID members will participate to the 2007 concertation event.

3 Conclusion

Through the organisation of its first two events in China, first strategic workshop in February 2007 and first International conference in April 2007, the EchoGRID projects actively participated to the dissemination of European activities in Grid in China.

The participation of the project to the annual concertation event in September will be the opportunity for the project to meet and better structure its concertation activities for the 12 months to come.

It will also be a unique opportunity to advertise the Second EchoGRID workshop and the series of meetings organised under the EchoGRID leadership in Beijing from 29 to 31 October 2007, hosted by the Computer Network Information Center - CAS.

These events are organised in cooperation with two EC funded projects, GridComp and Bridge, and will run in parallel with the Fourth Grid Plugtests jointly organised by ETSI, INRIA and ERCIM. <http://echogrid.ercim.org/content/view/3/4/>