

Work Package 11

Dissemination and Exploitation



Author: Roberto Puccinelli
Email: r.puccinelli@cedrc.cnr.it

Outline

- ◆ Objectives
- ◆ Achievements
- ◆ Lessons learned
- ◆ Future & Exploitation
- ◆ Questions

Tasks for the third year



- ◆ **Task 11.2 - maintenance of the dissemination e-environment:**
 - Maintenance of the "DataGrid" dissemination portal;
 - Design, development and maintenance of the "European Grid Industry and Research Forum" website;
 - Deployment and management of the "Dissemination testbed" (GriDis).
- ◆ **Task 11.3 - local dissemination:**
 - Live demonstrations and participation to relevant events.
- ◆ **Task 11.4 - support of the open software adoption and contribution to international standards:**
 - Software and documentation download site.
 - Report about contributions to international standards (deliverable 11.9).
- ◆ **Task 11.5 - industrial deployment:**
 - Improve the I&R Forum initiative, increasing the number of subscribers;
 - Organize dissemination events targeted to Industry;
 - Establish a network of DataGrid Point of Contacts.

Maintenance of the dissemination e-environment

Maintenance of the dissemination web portal



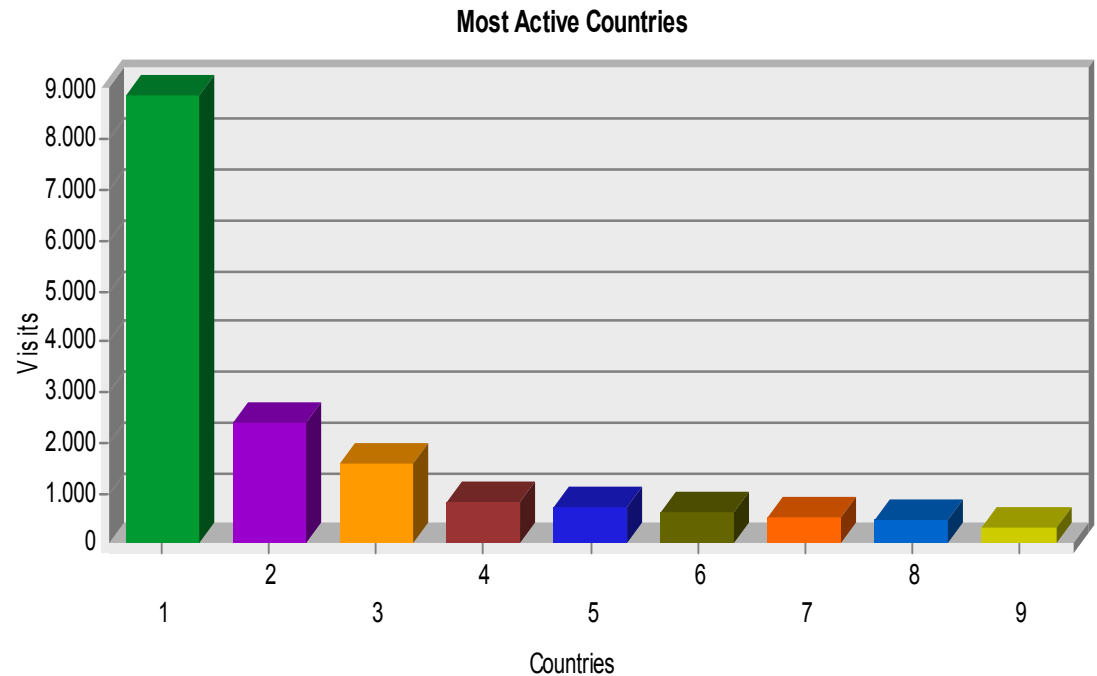
- ◆ Work Package 11 staff has continued to search, collect and publish papers, news, promotional material and multimedia contents on the dissemination portal.
- ◆ At the end of 2003 the dissemination web portal contained:
 - 187 events in the calendar;
 - 63 technical papers;
 - 42 slide presentations;
 - 44 news;
 - 85 press articles;
 - 15 FAQs;
 - 40 links to related projects.

Dissemination web portal visits



◆ Geographical distribution of the visits during the year 2003:

1. United States (8857)
2. Italy (2386)
3. Europe (1577)
4. UK (822)
5. Switzerland (737)
6. China (614)
7. France (521)
8. Germany (489)
9. Netherlands (343)
10. Japan (339)



Dissemination testbed

- ◆ A dissemination testbed, called GriDis, has been deployed and maintained in order to provide a permanent infrastructure for tutorials and live demos.
- ◆ It has been adopted as the official platform for EDG tutorial road show.
- ◆ It has also been used by the “Grid Café” initiative to develop and demonstrate some sample grid-enabled applications.
- ◆ Grid accounts have been created on the GriDis testbed for some members of the “Grace” project for self-training purposes.



Local dissemination

Live demos

- ◆ The dissemination testbed has been effectively used to demonstrate the project results.
- ◆ 6 live demos held during 2003:
 - 14 May 2003, web-based live demo during the “6th EDG Conference” (Barcelona – Spain)
 - 22 May 2003, Perugia University (Perugia - Italy);
 - 19 June 2003, “Experts Day” of Surfnet GiGaPort (The Netherlands);
 - July 2003, Demo for Wolfgang Boch, EU program officer for “Complex Problem Solving”;
 - 1 October 2003, wizard-based job submission at the “German Grid Day” following the “7th EDG Conference”, (Heidelberg – Germany).
 - 1 December 2003, live demo for the “Grid Café” one-day event at the Microcosm museum of CERN, (Switzerland/France)

Tutorials

- ◆ A major dissemination achievement with contributions from the whole project
- ◆ GriDis testbed adopted as the official training facility.
- ◆ Two formats:
 - Two full days with lectures and hands-on exercises
 - One day with only lectures

Two-day format



Day 1

Morning - Presentations

- Tutorial introduction
- Introduction to Grid computing and overview of the DataGrid project:
- EDG Security
- Testbed overview
- Job Submission

Afternoon - Hands-on exercises

- Job submission exercises

Day 2

Morning - Presentations

- Data Management
- Information systems
- Fabric management, software distribution & installation
- Applications and Use Cases
- Future Directions

Afternoon: Hands-on exercises

- Data management exercises

The tutorial road show

- ◆ 14 tutorials during 2003 in 12 different countries:
 - Italy,
 - Switzerland,
 - France,
 - Greece,
 - Spain,
 - Austria,
 - Portugal,
 - UK.
 - Pakistan
 - Japan (GGF7)
 - USA (GGF8)
 - Austria (CERN School of Computing 2003)
- ◆ ~500 students trained
- ◆ Tutorial material now included in some university level courses

Support of the open software adoption and contribution to international standards

Software and documentation download website

- ◆ The EDG software and documentation can be downloaded from the URL http://web.datagrid.cnr.it/pls/portal30/GRID.DYN_SOFTWARE.show.
- ◆ Software and Documentation repositories maintained by WP6
- ◆ The EDG software is also included in the Grid Technology Repository (<http://gtr.globus.org>).

Contributions to international standards



- ◆ The DataGrid project contributed to the establishment of international standards in the following ways:
 - Participation to GGF activities: EDG members made substantial contributions to 16 GGF working and research groups.
 - Papers: ~90 papers have been published in the proceedings of international conferences or in high level scientific journals.
 - Inter-project collaborations: EDG established successful collaborations with DataTAG, CrossGrid, Gridstart, iVDGL, PPDG, GriPhyN, Internet2, Dante, UK GridMon and the Storage Resource Manager initiative.
- ◆ An exhaustive report about the contributions to international standards can be found in D11.9
- ◆ Special issue of the “Journal of Grid Computing” dedicated to EDG outcomes.

Industrial deployment

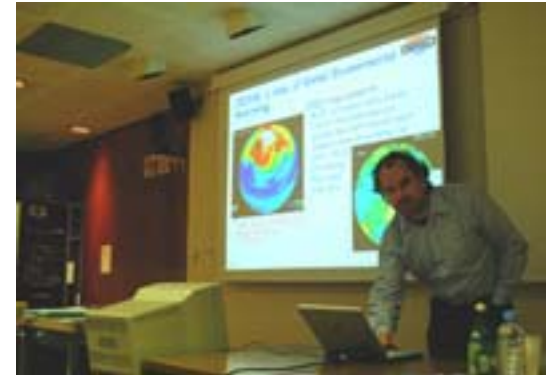
Events organization/participation



- ◆ WP11 staff contributed to the organization of 13 events during 2003 in one or more of the following forms:
 - attendance;
 - provision of dissemination material;
 - booth organization;
 - public talks;
 - live demos;
 - logistic organization.

Video material

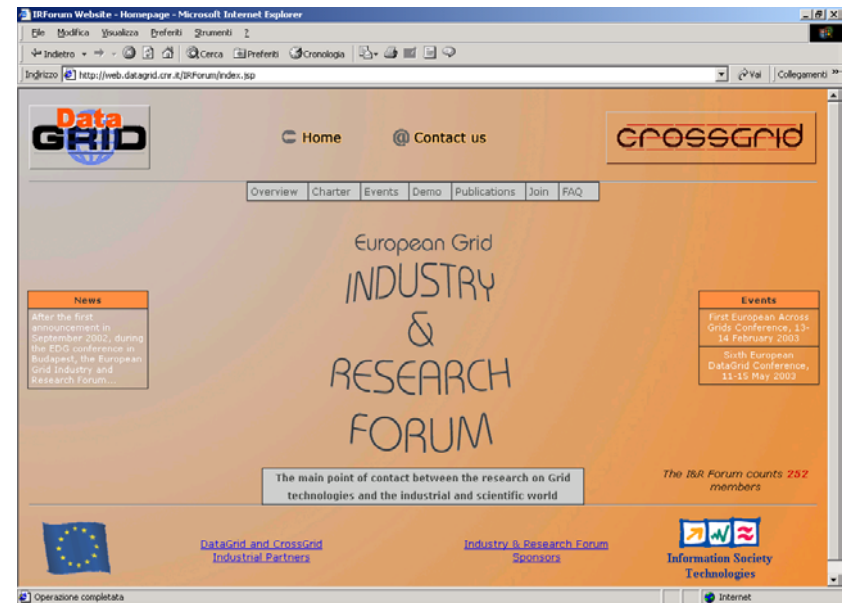
- ◆ About 50 hours of video material
- ◆ About 980 photos
- ◆ About 370 photos published on the dissemination portal



European Grid Industry and Research Forum



- ◆ The **European DataGrid Industry and Research Forum** is the result of the merger of the DataGrid and CrossGrid Industry and Research Fora
- ◆ It now counts 283 members coming both from Industry and Research.
- ◆ ~40% coming from Industry, mostly from the IT sector.
- ◆ The majority of the subscriptions have been collected during events and conferences.
- ◆ Work Package 11 has designed, developed and maintained the new "European Grid Industry and Research forum" website which includes an on line subscription form.



Industry and Research events



- ◆ During 2003 WP11 supported the organization of the following two **“European DataGrid Industry and Research Forum”** events:
 - Santiago de Compostela, Spain, February 2003, within the framework of the “Across Grids Conference”;
 - Barcelona, Spain, June 2003, within the framework of the “6th EDG project conference”.

Lessons learned

- ◆ Tutorials with hands-on practice, live demos and a rich web portal are effective dissemination instruments;
- ◆ The deployment of a dedicated training facility (e.g. the dissemination testbed) is the only way to assure the availability of a testbed during tutorials and dissemination events.

But ...

- ◆ The funding level for dissemination need to be carefully planned in order to keep pace with the interest that an important project like DataGrid can arouse.
- ◆ Manpower and computing infrastructure need to be allocated in advance for tutorial activities.
- ◆ The establishment of a network of point of contacts can be achieved only with the allocation of dedicated human resources.

Future and exploitation

- ◆ The dissemination website will be archived and turned into a static repository which will be maintained by CNRS.
- ◆ EDG results will be still available in the static repository.
- ◆ All the dissemination experience acquired during the DataGrid project will be fed into the EGEE project.