



24th September 2004

Enabling Grids for
E-science in Europe

www.eu-egee.org

EGEE Training



EGEE is a project funded by the European Union under contract IST-2003-508833

Events to date

- 17 events in total

Federation	Courses
UK & Ireland	5
Central Europe	6
Italy	3
SE Europe	1
North Europe	1
Russia	1

Planned events I

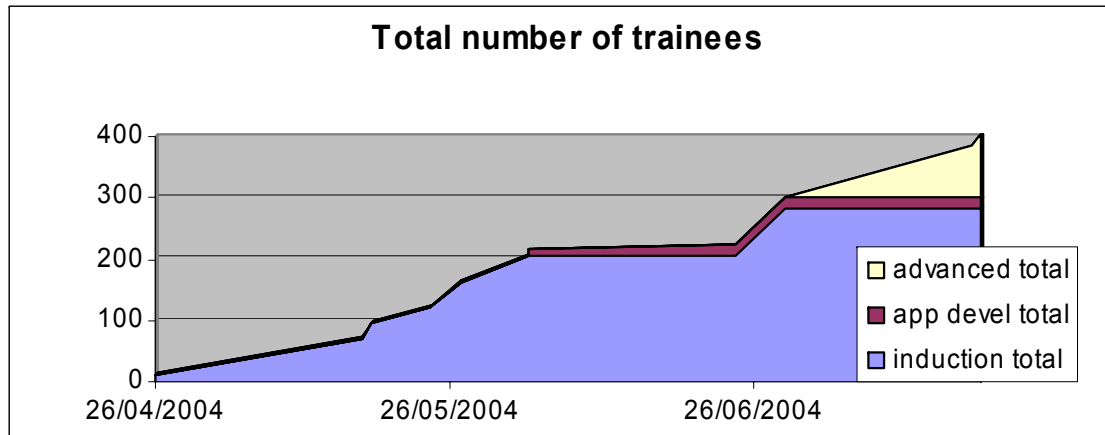
Title	location	Date
EGEE Induction	Germany	21/9/04
Using LCG2	Germany	21-23/9/04
Installing LCG2	Germany	21-23/9/04
Baltic Induction & Proposal	Lithuania	4-5/10/04
LCG2 APIs & Web Services	Spain	7-8/10/04
EGEE Induction	Holland	12-13/10/04
Condor Week	UK	11-15/10/04
Introduction to Grid Technologies	Poland	4-6/11/04
SEE-GRID Induction	Turkey	9-11/12/04
Introduction to Web Services	UK	16-17/12/04
Introduction to WSRF	UK	23-24/2/05

Planned events II

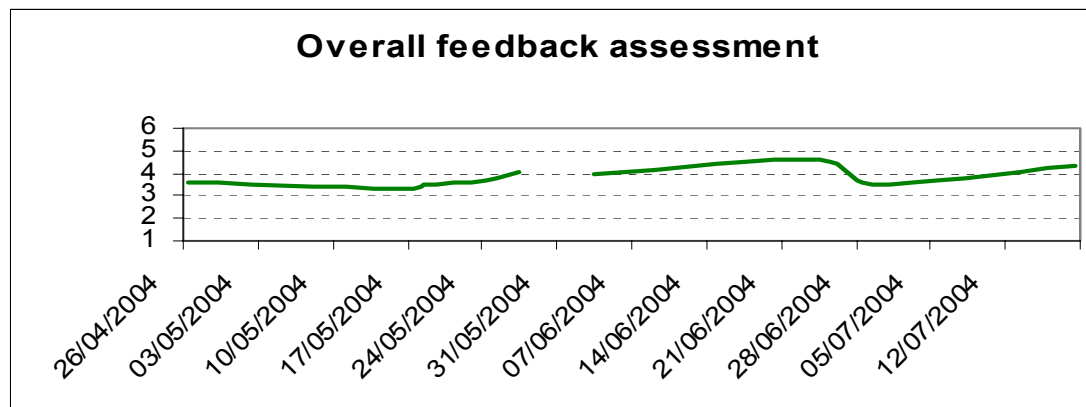
- 11 events currently planned up to February 2005.
- A further 5 in earlier stages of planning.
- With a commitment from partners for a further 4 events in that period (Execution Plan).

EGEE training delivery

EGEE NA3 has trained 400 people in courses ranging from introductions to EGEE (induction) through Application Developer to Advanced level.



NA3 is committed to maintaining and developing the quality of training. To do this feedback is collected from the users of courses.



GGF Summer School



The NA3 training team made a central contribution planning, organising and presenting the 2004 GGF Summer School. Presentations were given on “High-level Grid applications: a portal based approach”; “Introduction to Web Services”; + a tutorial “Introduction to the GENIUS portal and the GILDA Test bed” and “An Introduction to Data Services & OGSA-DAI”

The event was attended by 84 selected advanced students.

Technical Annex commitments

	Event Type			
	Induction Courses	Application Developer Training	Advanced Courses	Technical Activity Retreats
Number per Year	10	8	2	6
Average Attendance	50	25	25	30
Course Length (days)	2	4	5	2
Course Equipment	Web Access	Workstations	Workstations	
Num. of EGEE Staff	2	2	2	2
Number of non-EGEE Experts	0	1	3	0

Execution plan projection

- Apr–Jun 2004 PM1-3 Development & consolidation of existing material. Initial priority will be given to introduction & induction courses (initially at CERN and NeSC only).
- May–Oct 2004 PM2-7 Internal developer training – team building topics determined by Activities employing middleware developers & operations staff; include self-help methods. Venues: main sites for those staff.
- Jul 2004→ PM4→ Regular Introduction & Induction courses around Europe.
- Sep 2004→ PM6→ EGEE Application Developers' courses presented regularly; determined by EGEE defining application development context and APIs.
- Dec 2004→ PM9→ EGEE advanced application development courses.

Meeting TA targets

Course type	No of Attendees	% of target	No of courses	% of target
Induction	283	57	7	70
Application Developer	17	8	2 (5 by end Oct)	25 (63)
Advanced	104	200	2	100
Technical Activity Retreats	~ 30	16	1 (2 by end Oct)	16 (25)

Web site features

- Home page redesign
 - Federation links
 - Contacts
 - Objectives
 - Statistics
 - News
 - Links to GENIUS
- Training roadmap
 - Single reference to all training events, linked to agendas, registration and statistics
- Suggestions form

The screenshot shows the NA3: User Training and Induction website. At the top, there is a navigation bar with links: EGEE Home, Intranet Home, EDMS Documents, Calendar, Agenda maker, Glossary. Below this is a header for "NA3: User Training and Induction" with an EU flag icon. A secondary navigation bar includes: NA3 Home, Events & Registration, Suggestions & Requirements, Course Evaluation, Training Material, NA3 Admin & Planning, Issues, and Deliverables. The main content area is divided into three columns: 1. "NA3 Partners" featuring a map of Europe and a list of countries: UK & Ireland, Italy, Germany & Switzerland, Northern Europe, South East Europe, Central Europe, and Russia. 2. "Contacts" listing individuals like SA1 - Richard Hopkins, NA4/Biomed - David Fergusson, NA4/Earth Sciences - Mike Minster, NA4/Physics - Guy Warner, Quality Assurance - David Berry, and General training - training_support. 3. "NA3 NEWS & EVENTS" listing several events with dates and locations, such as "20th - 23rd September: GridKa School 04 - Karlsruhe, Germany" and "11th - 15th October: Conder Week: Edinburgh, Scotland". Below the main content is a "NA3 Objectives" section with a list of goals and a "NA3 Statistics" section containing three charts: "Total number of objectives" (a bar chart showing growth from 2004), "Overall feedback assessment" (a line graph), and "Training total events" (a bar chart).

Community support

- The EGEE training material is being made available to the whole community at:
<http://www.egee.nesc.ac.uk/trgmat/index.html>
- A training materials repository allowing flexible searches of the available material is currently under development and testing.
 - Database design documentation available
 - SQLServer db created and populated
 - Coldfusion interface under development
 - Full attributions supported in the database

Deliverables

Month	Deliverable	Description
M03	DNA 3.1.1	Training Plan
M03	MNA 3.1	Planning phase complete
M06	MNA 3.2	Initial training course material (continuously revised)
M09	DNA 3.1.2	Revision of training plan
M09	DNA 3.3.1	Training Progress Report
M12	MNA 3.3	First external review of training and induction
M15	DNA 3.1.3	Revision of Training Plan
M15	DNA 3.3.2	Training Progress Report update
M24	DNA 3.3.3	Training Progress Report update
M24	MNA 3.4	Second external review of training and induction

- Communication
 - Maintaining parallel communication at appropriate technical levels while retaining management tracking and avoiding lost strands.
 - Keeping wide channels of communication open to activities and federations
- Avoiding over reliance on a limited pool of experts
- Maintaining momentum over all federations
 - Keeping contacts with and between federations open and active.
- *{No events planned in France}*
- Assuring coverage of topics
- Gathering requirements
- Training test bed
- Technical Activity Retreats

Current training topics

NA3 has produced courses based on commitments in the execution plan and training requests which have been received (mainly from NA4).

- Induction
- LCG2 installation
- LCG2 APIs
- Web Services
- WSDL



Training topics plans

NA3 is attempting to gather requirements from stakeholders, so far with limited success. To aid with planning potential training topics have been identified internally. A sub set of these is given below:

- LCG2 components
- Metadata technologies
- Security
- Data curation using XML
- Condor Applications
- Principles of eScience programming
- Capturing workflows
- UML and web services development
- VOMS
- GIS on grids
- Installing GENIUS
- Creating effective requirements documents
- Communicating with users
- Transitioning to gLite

New timesheet procedures

- Web based individual time reporting through PPT
- September and October – expected that both systems will run in parallel.
- All previous timesheets to be transferred to the new system
 - Sheets can be downloaded/uploaded in .xls format
- In future this will allow timesheets to be filled in, in “real time”.

Summary

- Training provision has 'got off the ground'.
- We have most of the required procedures in place and should now be concentrating on delivery.
- Deliverables are on track
- Most but not all of the 1st yr targets in the training plan are likely to be met or exceeded.
- Issues to focus on are delivery, communications, topic coverage, supporting federations and learning platforms.