

# EGEE

## QUARTERLY PROJECT REPORT

PERIOD: OCTOBER TO DECEMBER 2004

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## Summary

### Training (NA3)

EGEE presented 18 training courses during the third Quarter in 14 countries, for more than 200 participants with the active contributions of experts from NA4 and SA1. The EGEE training materials archive has been made available publicly for testing and comments. LCG2 administrator material was created in Russian. The Materials Archive was made available through NA3 web site (see <http://www.egee.nesc.ac.uk/trgmat/index.html>). Over this quarter it has become clear that there is a major requirement for advanced courses on LCG-2 Installation and Administration courses.

#### 1.1. NA3: USER TRAINING AND INDUCTION

EGEE presented 18 training courses during the third Quarter in 14 countries, for more than 200 participants. The total comprised 13 induction events (25 days teaching, 214 participants, 5350 participant days, average QA result 4.48 out of 6), 3 Application Developer events (6 days teaching, 35 participants, 210 participant days, average QA result 4.33 out of 6), 1 Advanced (2 days teaching, 18 participants, 36 participant days, average QA result 4.2 out of 6) and 1 Retreat (Workshop) (5 days teaching, 85 participants, 425 participant days).

A lecture was delivered on Web Services via Access Grid to the Glasgow University Distributed Computing MSc course as a pilot experiment in using this technology for delivering training within EGEE.

The EGEE training materials archive has been made available publicly for testing and comments.

20 nodes are being acquired from ClusterVision in the UK in order to provide dedicated hardware for middleware installation/administration courses and to augment the GENIUS training facilities.

The EGEE NA3 activity provided the following services in the reported quarter:

- Introduction to Grid technologies: Poland 4 – 6<sup>th</sup> October 2004
- Induction to Grid Computing and the EGEE project: Lithuania, 5 -6 October 2004
- Biomedical Application Developers: LCG2 APIs and Web Services: Spain 7 – 8<sup>th</sup> October 2004
- CONDOR week; UK, 11 – 15<sup>th</sup> October 2004
- LCG2 and AliEn induction: Germany: 11 – 14<sup>th</sup> October 2004
- Hands-on-grid: Netherlands, 12 -13<sup>th</sup> October 2004
- LCG2 Administrator course: Russia, 14 – 15<sup>th</sup> October 2004
- Induction course: Russia, 22<sup>nd</sup> October 2004
- Induction course: Czech Republic, 26<sup>th</sup> October 2004
- Induction to grids and EGEE: Greece, 30<sup>th</sup> October 2004
- Induction events: Austria, 30<sup>th</sup> October 2004
- Cours sur l'utilisation d'EGEE: France, 9 – 10<sup>th</sup> November 2004
- LCG2-Middleware internals and APIs : Switzerland, 29 – 30<sup>th</sup> November 2004
- Introduction to Grid Computing: Slovakia, 30<sup>th</sup> November – 1<sup>st</sup> December 2004
- Induction to EGEE for GOSC and NGS: UK, 8<sup>th</sup> December 2004
- SEE-Grid induction: Turkey, 9 – 10<sup>th</sup> December 2004
- Introduction to Web Services for Application Developers: UK, 16 – 17<sup>th</sup> December 2004

Teaching materials for LCG2 APIs were created. Induction material was re-used, updated, translated and extended. Web Services material was re-used, updated and extended. LCG2

administrator material was created in Russian. The Materials Archive was made available through NA3 web site (see <http://www.egee.nesc.ac.uk/trgmat/index.html>).

INFN have created a KNOPPIX distribution of LINUX based CD image as a stand alone LCG 2 User Interface node which can be used to connect to the GENIUS training test-bed.

### **Summary of issues**

Over this quarter it has become clear that there is a major requirement for advanced courses on LCG-2 Installation and Administration courses. The scale of this requirement had not been fully realised initially, consequently this will require a reassessment of the deployment of resources. Projecting this into the future it is clear that a similar (or greater) requirement for gLite Installation and Administration courses will become manifest. A very similar requirement for LCG-2 and gLite Developer's courses is also becoming clear.

A related issue is the strain which is necessarily placed on the few experts with this type of knowledge. The initial courses in this area have required a major input from these experts and mechanisms by which their expertise can be captured and disseminated are required. It has always been clear that this is a necessary initial stage in producing these courses but it is also important to move to more distributed provision as current arrangements cannot scale up sufficiently.

The materials archive, t-Infrastructure enhancements and experiments in delivering courses remotely mentioned above are important steps in overcoming these issues.

This quarter has also emphasised the need for cooperation between activities in training (especially NA4, SA1 and JRA1 with NA3). This has been recognised since the beginning of the project and was re-affirmed at the den Haag conference.