



Enabling Grids for E-science

EGEE Related Proposals

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- **At the recent EGEE review the EU confirmed a number of points already anticipated in the past:**
 - EGEE phase 2 is encouraged and will be very likely approved (2006-2008) but with a budget \leq EGEE phase 1 (~ 30 M €)
 - EGEE II should concentrate on essential activities (deployment, operations, M/W development and application support)
 - Additional activities should be spun off to other **related projects**
 - EGEE should support other EU projects which plan to use the EGEE infrastructure (EGEE as an **incubator**)
 - EGEE world-wide dissemination activity encouraged

- **EGEE Strategy for the short/ medium term future:**
 - Consolidation and future core development
→ EGEE II
 - Extensions in **geographical coverage**
→ World-Wide EGEE with other RPs
 - Extensions in **activities and functionality**
→ Support other activities based of EGEE M/W
- **Long term future, beyond 2008-2010:**
EGEE → International Grid Organization
(Strategy paper for FP7, in preparation)

Why are these projects strategic for EGEE?

- RP (related projects) can **finance activities** that EGEE cannot support with its own resources and are complementary/important for the project (e.g. training with ICEAGE, dissemination with BELIEF, contribution to SA1/EGEE activity with new extensions)
- Linking RPs to EGEE will ensure more **critical mass** and support for EGEE future EU calls
- Encouragement of **new application domains** to make use of EGEE infrastructure guarantees long term sustainability and persistence
- Support of EGEE **extension to other countries** (South-East Europe and Mediterranean Area, Latin America, Asia, Baltic) increases world-wide coverage

- **Identifier: FP6-2004-Infrastructures-6**
- **Communication Network Development – eInfrastructure – Consolidating Initiatives**
- **Publication date: December 15, 2004**
- **Closing date: March 17, 2005**
- **Budget: € 25 Million**

- **Activity Code: INFRASTR-3**
- **Areas addressed:**
Communication network development in conjunction with thematic priority 2 (Information Society Technologies) to establish a high-capacity and high-speed communications network for all researchers in Europe (GÉANT) and specific high performance Grids and test-beds (GRIDs)
- **Applicable Instruments: CA, SSA, I3**

EGEE Extension in Geographical Coverage

- **BalticGRID:**
Estonia, Latvia, Lithuania
- **EELA:**
Brazil, Chile, Cuba, Mexico, Argentina
- **EUMedGRID:**
Malta, Algeria, Morocco, Egypt, Syria, Tunisia, Turkey
- **EGEE4ASIA:**
China, Taiwan
- **2nd EU/CHINA Proposal:**
China

- **Responsible Contacts:**
 - Lennart Johnson (KTH), Per Öster (KTH)
- **Extension of EGEE to Baltic States**
 - Estonia, Latvia, Lithuania
- **Applications:**
 - High-Energy Physics, Bio, Pharmaceutical industry, etc.
- **Activities:**
 - Training/Support
 - Infrastructure Deployment
- **13, € 4M, 30 months**



- **Responsible Contacts:**
 - Jesus Casado (CIEMAT)
- **Extension of EGEE to Latino America**
 - Brazil, Chile, Cuba, Mexico, Argentina
- **Applications:**
 - e-Learning, Biomedical, HEP, Climate
- **Activities:**
 - Infrastructure Deployment
 - Dissemination and Training
- **SSA, € 2M, 2 years**



- **Responsible Contacts:**
 - Roberto Barbera, Federico Ruggieri (INFN)
- **Extension of EGEE to Mediterranean area**
 - Malta, Algeria, Morocco, Egypt, Syria, Tunisia, Turkey
- **Applications:**
 - HEP, Biomedical, regional applications
- **Activities:**
 - Infrastructure Deployment
 - Dissemination and Training
- **SSA, € 2M 80%, 2 years**



- **EGEE4ASIA**
 - Federico Ruggieri (INFN)
 - Applications: Cosmic Ray, Never Born Proteins (Biology)
 - Status: in negotiation, meeting in Rome

- **2nd EU China Proposal:**
 - Yike Guo (ICL), Francis Wray (NeSC Consultant)
[Tony Hey (EPSRC) sponsor]
 - Applications: Healthcare, Biotech
 - Status: in preparation

EGEE Extension in activities

- **EAST: Accounting, business models**
- **BELIEF: Dissemination, Grid Repository**
- **ICEAGE: Training and Education**
- **i4Grid: Interactivity/Testbed**
- **eIRGSP: Policies Support Programme**
- **ETICS: Testing, Integration, Configuration, Repository**
- **Grid-DSS: Biomedical**
- **Healing: Biomedical**
- **BioInfoGrid: Biomedical**
- **OpenLabSecurity: Security**

- **E-infrastructure Accounting Standards for Tele-access to Grid resources**
- **Responsible Contacts:**
 - Gabriele von Voigt, Nils Jensen (Univ. Hannover)
- **Activities:**
 - Accounting Standards
- **SSA, 20 months, € 440.000**

- **Relation to GENEVA Proposal (Sept.)**

- **Responsible partner:**
 - Silvana Muscella (Metaware/Italy)
- **Activities:**
 - Set up of a DL of Grid documentation
 - Community building (researchers and industries)
 - Organization of brainstorming events, networking workshops, conferences (India and South America)
- **SSA, € 1M, 2 + 2 years**

- **International Collaboration to Extend and Advance Grid Education**
- **Responsible Contacts:**
 - Malcolm Atkinson (NeSC)
- **Activities:**
 - ICEAGE Club
 - Repository for Training and Education
 - Schools on Grid Computing
- **SSA, € 2.2M, 3 years**

- **i4Grid:**
 - Jesus Marco (CSIC IFCA, Santander, Spain)
 - Interactivity/Testbed – follow-up from CrossGrid project
 - I3, € 1.025M, 30 months
- **eIRGSP:**
 - Patrick Aerts, Michiel Leenaars (NCF/NWO, The Netherlands)
 - Policies (Certification Authorities), EGEE NA5
 - SSA, € 1.08M
- **ETICS:**
 - Testing, Integration, Configuration, Repository, Interoperability
 - Alberto DiMeglio/Miron Livny: in planning phase
 - SSA, 2 years

- **Grid-DSS:**
 - Biomedical
 - Siemens Medical Division, Germany
- **Healing:**
 - Ignacio Blanquer, Vincente Hernandez (Univ. Politécnica de Valencia, Spain)
 - Biomedical
- **BioInfoGrid:**
 - Giorgio Maggi
 - Biomedical
- **OpenLabSecurity**
 - Francois Fluckiger
 - Security

- **RP support activity is strategic for EGEE**
- We need to effectively coordinate RPs since it involves resources (paid by the projects), needs supervision from senior staff, and EGEE PO support
- We need to make sure that there is always good **ROI** (return on investment)
- We need to develop a **scalable approach** to avoid to overwhelm EGEE resources
 - The PO of EGEE-II will be designed to cope with this
 - In the mean time the EGEE Deputy Director helps with the present overload