



Enabling Grids for E-science

External Projects Integration

Summary – Trigger for Open Discussion

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Information Society



- **Summary of related projects**
 - Middleware, Infrastructure, Applications
 - Training and dissemination
 - Policy
 - Security
- **Synergy recommendations**
 - EGEE's suggestions
- **Open Discussion**

- **Projects utilising EGEE middleware:**
 - SEE-GRID
 - DILIGENT
 - BIOINFOGRID
 - EUChinaGrid
 - EUMedGrid
 - EELA
 - BalticGrid

- **Projects utilising and/or gradually integrating to the EGEE infrastructure:**
 - SEE-GRID
 - BIOINFOGRID
 - EUChinaGrid
 - EUMedGrid
 - BalticGrid

 - How about EELA? Plans to (partly?) integrate pilot test-bed to EGEE?

- **Projects integrating their applications to EGEE and/or populating EGEE VOs with their local users:**
- **SEE-GRID/DILIGENT/DEISA already collaborating**
- **BIOINFOGRID**
 - Integrating its applications to EGEE? (not clear)
 - Also to organize an international conference for GRID Bioinformatics applications towards the end of the project, open to the international Bioinformatics user community.
- **EUChinaGrid**
 - will support EGEE applications (LHC) and other pilot applications.
- **EUMEDGRID,**
 - EGEE applications (LHC) and other pilot applications will be supported; new regional applications will be investigated.
- **EELA**
 - will use Biomedical and HEP applications already identified and migrated in EGEE.
- **BalticGrid**
 - will have application pilots and Regional Special Interest Groups.

- **Cooperation in Training/dissemination:**
- **SEE-GRID/DILIGENT**
 - Joint training and dissemination events
- **BIOINFOGRID**
 - will be building on the experiences of EGEE in training.
- **ETICS**
 - has an explicit mandate to train and disseminate.
- **EUChinaGrid**
 - foresees joint activities with other projects (Grid@Asia, BELIEF, etc.).
- **EUMEDGRID**
 - foresees joint activities with other projects (SEEGRID, etc.)
- **ISSEG**
 - has disseminating expertise as one of its two main aims.
- **EELA**
 - will use GILDA virtual laboratory for grid dissemination and knowledge dissemination.
- **BalticGrid**
 - will collaborate with ICEAGE on education and training and with BELIEF on dissemination and outreach.

- **Policy cooperation:**
- **SEE-GRID**
 - Policy workshop on NGI during the 2nd EGEE conference
- **ETICS**
 - will play a part in defining and improving standards in the area of middleware and software engineering.
- **EELA**
 - will follow the international policy developments made in the context of EGEE.
- **BalticGrid**
 - has an activity dedicated to Policy and Standards Development, to include working with the eIRG, the GGF and EUGridPMA.
- **e-IRGSP**
 - Support the e-IRG in cooperation with EGEE, EGEE-II and other projects

- **How about security:**
 - Extending the EUGridPMA EU Grid Policy Management Authority www.eugridpma.org and the IGTF (International Grid Trust Federation) www.igtf.org to other areas?
 - SEE-GRID already a relying party!
 - Extending the Joint Security Policy Group (JSPG) and the Middleware Security Groups (MWSG) to other projects?
 - SEE-GRID active member!
 - Cooperation between NRENs-GRIDs (GN2-EGEE) for a common AAI (Authentication and Authorisation Infrastructure)?

- **Standards...**
 - Cooperation among project on standardisation bodies is essential
 - Ideas?

- **EGEE proposes the following areas of cooperation:**
 - **Infrastructure-related**
 - Integrating resources to the EGEE infrastructure or sharing resources, common policies or procedures to user support and operations
 - **Middleware**
 - Using the gLite middleware
 - Making different middleware packages **interoperable**
 - **Applications**
 - Integrating new VOs to EGEE or populating the existing ones
 - **Training and dissemination**
 - Exchange experiences and ideas to optimise training
 - Provide electronic tools to support training
 - Joint training and dissemination events
 - **Security**
 - EUGridPMA and IGTF
 - JSPG and MWSG
 - Common AAI infrastructure
 - **Policies**
 - Contribute to e-IRG white papers, workshops, roadmaps
 - SEE-GRID2 regional infrastructure projects' concertation workshop
 - EGEE-II Policy Workshops (NGI-EGO related)

- **Joint Working Groups** among different projects/initiatives
 - EGEE floats the idea of separate **working groups** in the above synergy areas.
 - In some areas, it is felt more appropriate to do this **in a more closed circle** (e.g. Grid only projects for Grid infrastructure areas)
 - In other areas such as AAI and policies, broader cooperation should be attempted, e.g. with GN2
 - Cooperation should be sought among different efforts and layers.
 - For example, bringing **technology and policy** experts together, such as those from the concertation meetings and the e-IRG
 - Joint workshops between **e-IRG and the concertation** ones could be attempted.
 - Bilateral working groups (that could be extended to the related and other projects) as the TERENA NREN-Grid one
 - EGEE-GN2 cooperation on **AAI and advance networking reservation**

- **Priorities** should be set - forming too many groups might be counterproductive
- **Co-funding** for working groups (e.g. by the EC or other sources) would be preferable, so we get committed and/or dedicated personnel
- Concertation projects are also possible, where each project participates with funded effort. **Over-commitment** of personnel should be taken into account.
- The evolution towards the next phase of the e-Infrastructure (FP7) should be also handled by a **cross-project group** with representatives from all stakeholders
- Cooperation with **other geographical areas** such as the US and Asia-Pacific is vital for a Global infrastructure. Examples such as the IGTF (which expanded worldwide from a European beginning=EUGridPMA) should be encouraged
- The **EGEE conferences** are a major driver towards concertation efforts, but should not exclude other events with broader scope.

- **Synergy areas, Other?**
 - Infrastructure-related
 - Integrating resources to the EGEE infrastructure or sharing resources, common policies or procedure to users support and operations
 - Middleware
 - Using the gLite middleware
 - Making different middleware packages **interoperable**
 - Applications
 - Integrating new VOs to EGEE or populating the existing ones
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 - Security
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 - Common AAI infrastructure
 - Policies
 - Contribute to e-IRG white papers, workshops, roadmaps
 - **Other??**
 - Please give us your feedback

- **Joint working groups?**
 - e-IRG is planning to form working groups in areas such as AAI policies, Accounting, Network Reservation from the Grid environment, Acceptable Usage Policies, etc.
 - Groups have been formed as part of the concertation activities, mostly related to security
 - TERENA NREN-GRID working group
 - Merging / Cooperating among the above?
 - Combining concertation event with e-IRG workshop?
- **How about this group of projects?**
 - Form working groups per area identified above, plus a generic one?
 - Use EGEE conferences as major enablers for concertation?
- **How about other areas: Standards?**
 - Not straightforward. Commitment is crucial and probably requires dedicated funding/personel

- **Thank you for your ideas and suggestions!**
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