



Enabling Grids for E-science

NA3 All Activities meeting

EGEE II Input

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- **The training activity in EGEE has been very successful and it is important to carry on this success into the next phase of EGEE.**
- **In order to allow this there should be no fundamental change to the operation of NA3.**

- **NA3 has developed good working relationships within EGEE (for instance particularly with NA2 and NA4) and with related EU projects (for instance DILIGENT and EMBRACE).**
- **However there will need to be further development of the training support which can be used to reduce the requirements for expert involvement (eLearning and t-Infrastructure support) to allow the activity to scale with the expected expansion of EGEE.**

- **The aims of training in EGEE are to:**
- **Overall – To provide a source for acquiring the knowledge and skills needed to enable the successful use of the EGEE infrastructure at all levels.**
 - Throughout Europe
 - Beyond Europe
 - For all disciplines that may benefit from EGEE

- Educate developers of applications in order to help enrich the provision of functionalities on the EGEE infrastructure.
- Inform research decision makers and leaders of educational and research institutions, so they may judge when and how to use EGEE e-Infrastructure
- Educate users and developers in the potential of grid architectures to encourage advances in the solution of significant problems in a wide range of disciplines.
- Enhance and encourage the corporate spirit of EGEE and information sharing within the organisation in order to help further its goals.

Activity Tasks

Outcome – To maintain and enhance the successful training activity from EGEE I.

This task is partly centralised but must also be supported in each partner in a distributed manner (geographically based, cf. translation below). However there will also be a need to move towards providing VO centric support in coordination with the VOs.

For EGEE II there needs to be an improved geographical coverage to include France and the Iberian peninsula as a minimum.

Expansion of EGEE beyond Europe will also require that training support infrastructures will need to be created in the new regions.

Similarly with an increasing number of VOs joining EGEE each VO must contribute a training plan showing how they intend to provide a training infrastructure internally taking advantage of EGEE training to 'boot-strap' it.

It is clear that the model of the technical activities initially developing material which can then be presented to a wider audience by NA3, which was envisaged from the beginning of EGEE, *is the only viable model*. It has worked well and must continue.

Similarly there will be training requirements that can only be met using the internal experts within activities. NA3 needs to continue to focus on ‘outward’ training to developers and users to help power the ‘virtuous cycles’ continuing the spread of adoption of EGEE by many disciplines.

This means that some resource must also be committed by other activities to support training and we welcome the foresight shown by other activities (notably SA1 and JRA1, see relevant sections) in planning for this.

2. Training course scheduling

- **Outcome – To continue to provide an appropriate schedule of courses to support the development of applications on the EGEE infrastructure to expand EGEE’s user base.**
- **This task is partly centralised but must also be supported in each partner in a distributed manner (geographically based due to provision of actual events). However there will also be a need to move towards providing VO centric support in coordination with the VOs.**

- **Outcome – To enhance the provision of a ubiquitous, continuously available training resource for EGEE to support a variety of levels and modes of study.**
- **This task is independent of location but must be provided by partners with experience and existing resources**

4. Translation of materials

- **Outcome – To provide access to EGEE materials in the languages appropriate to users.**
- **This task is geographically based. It is not required in the UK and several other countries – but is particularly important for attracting users in some countries – it has to be done by trainers who understand the pedagogical goals, the technical content and the target students. It will become an important contribution to e-Learning.**
 - Particularly important for introductory material
 - Significant for wider accessibility in expanding numbers of countries

5. Training event organisation

- **Outcome – To support the provision of courses outlined above.**
- **This task is mainly geographically based but must be coordinated with VOs/user domains.**

- **Outcome – To maintain and enhance the successful training activity from EGEE.**
- **This task is partly centralised but must also be supported in each partner in a distributed manner (geographically based, cf. translation below). However there will also be a need to move towards providing VO centric support in coordination with the VOs.**

7. Quality assurance

- **Outcome – To maintain and enhance the quality of training provision established in EGEE.**
- **This task is partly centralised but must also be supported in each partner in a distributed manner (geographically based). However there will also be a need to move towards providing VO centric support in coordination with the VOs, e.g. follow-up of user experience etc.**

8. t-Infrastructure development and maintenance

- **Outcome – To provide suitable infrastructure to support training activities without causing disruption to production facilities.**
- **This task is independent of location but must be provided by partners with experience and existing resources. However new locations should be encouraged, to allow convenient provision of courses throughout Europe.**

- **The NA3 training organisation & delivery**
 - Has worked well
 - Demand for training is rising & will continue to rise
 - Develop position for major training push in FP7
- **Training is skilled-labour intensive**
 - Need to sustain the resource level
 - Need to build on & extend the experience
 - Need to continue to invest in ways of doing it “smarter”
- **Training is essentially collaborative**
 - With other parts of NA3 – resource & skill sharing
 - With other activities – contacts, resource and knowledge sharing
 - With VOs in all disciplines
 - With new SSAs and sister projects
- **Must continue technology development**
 - t-Infrastructure, shared repositories & eLearning platform