



Enabling Grids for
E-science in Europe

*EGEE 3rd parties Advanced Induction Course,
Athens 20-21/01/05*

NA5 update – Policy and International Cooperation

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Objectives of this session

- Explain NA5 plans
- Update of EU eInfrastructure initiative – meetings
- Review of the White Paper last version

- Background
- NA5 overview
- eInfrastructures overview
 - Athens event – recommendations
 - Rome event – recommendations
 - Dublin event – recommendations

- **But still missing...**
 - **Administrative and policy decision mechanisms - framework**
 - satisfying the diverse end-user communities requirements:
 - E.g. single-sign-on, reliability, robustness, performance, security, end-to-end, AAA (Authentication, Authorisation, Accounting)
 - while achieving economies of scale in providing ever-growing resources at attractive cost pricing
 - Production-quality operational support

NA5 objectives

- Foster **cooperation** between EGEE and the rest of the world Grid activities
- Establish a **eInfrastructure Reflection Group** in Europe
- Establish in-depth cooperation between two specific countries – the **United States of America** and **Russia** for mutual benefit.
- Be the European counterpart of the being launched US **Cyberinfrastructure** Initiative
- Play a leading role in **standards** setting through our attendance at global standards bodies such as the Global Grid Forum

Description of Work

- A series of cooperation agreements with regions from around the world
- Through the establishment of a European **eInfrastructure Reflection Group** produce a series of eInfrastructure White Papers and roadmaps
- Establishment of pairing agreements between **US** projects and European Centres of Excellence
- Specific middleware and application components developed in both the United States of America and Russia to meet the particular needs of the EGEE user and applications communities. The work with the US will have a specific focus on Globus, Condor and in particular the Virtual Data Toolkit (VDT) which are fundamental components of the grid middleware

NA5 partners



- CERN – NA5 leader
- PPARC – UK
- CNRS - France
- FZK - Germany
- INFN - Italy
- GRNET – Greek NREN
- CSIC – Spain (REDIRIS – Spanish NREN)
- DFN – German NREN
- GARR – Italian NREN

NA5 roles

- CERN – NA5 leader (cooperation agreements, US-Russia, GGF etc.)
- NRENs (GRNET, Red.es/REDIRIS, DFN, GARR): Mainly staff eInfrastructure Reflection Group Support Teams:
 - eInfrastructure White papers on policy issues
- PPARC - UK: link to the UK e-Science programme and coordination with other UK Research Councils
- CNRS - France unfunded
- FZK – Germany unfunded
- INFN – Italy – eInfrastructure related

Note that roles are NOT very clear yet

Deliverables - Milestones

Deliverables

DNA5.1.1-4	M4	(CERN)	eInfrastructure reflection group White Papers in conjunction with the EGEE Project Conferences
DNA5.2	M6	(CERN)	European Grid project synergy roadmap (in collaboration with DEISA, SEE-GRID and other relevant initiatives and EU projects)
DNA5.3	M12	(CERN)	Progress report on International Cooperation Activities
DNA5.4	M18	(CERN)	European Grid project synergy report (in collaboration with DEISA, SEE-GRID and other relevant initiatives and EU projects)
DNA5.5	M24	(CERN)	Final progress report on International Cooperation Activities

Milestones

MNA5.1	M9	European Grid project synergy roadmap. First draft eInfrastructure White Papers issued
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GR Responsibilities

- GRNET – coordinating eInfrastructure White Paper Team
 - Fotis editor of Rome, Dublin and Den Haag meetings
 - To continue for the next meetings (Luxemburg, UK)
- Gr Third parties
 - **University of the Aegean**
 - To be involved in the White papers authoring:
 - Security and SLA issues
 - » Dimitris Vergados
 - » George Kourmentzas
 - » Kostas Katzourakis
 - **Athens University of Economics and Business, AUEB-I (Courcoubetis team)**
 - to be involved in the White papers authoring:
 - Grid economics, business models, accounting, SLA definitions
 - » Panayotis Antoniadis
 - » Costas Courcoubetis