



Enabling Grids for E-science

# Policy and International Cooperation

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*EGEE Second EU Review*

*7 December 2005*

[www.eu-egee.org](http://www.eu-egee.org)



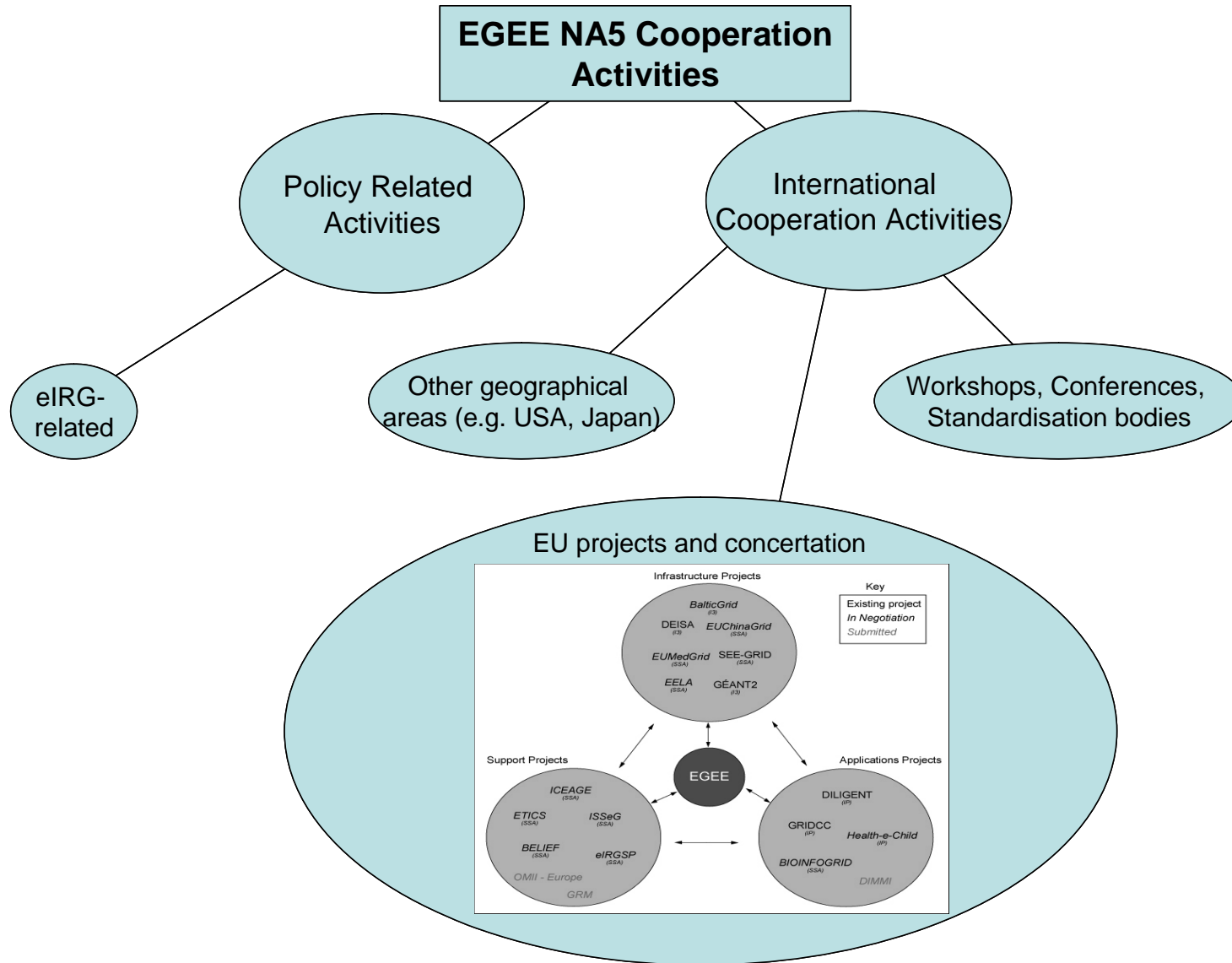
- **Reviewers' recommendations**
- **NA5 update since last review**
  - Major Achievements
- **NA5 deliverables**
- **Issues**
- **Plan for next period**

## Reviewers' Recommendations:

- R1** Explore collaborations with major national Grid projects in the **USA, Japan**, as well as other **regions** of the world.
- R2** Establish a significant presence at meetings such as **ISC and SC**, either using as an exemplar or even possibly leveraging existing European projects such as the UK e-Science body
- R3** Establish top-level collaboration with **GGF** and other **standards bodies** so that operational expertise would contribute more effectively and directly to the standardization process in a systematic fashion
- R4** Encourage EGEE project members to attend, chair groups, help write standards, at bodies such as **GGF**
- R5** The **concertation** effort among the various grid activities that was undertaken by EGEE needs to be formalised in order to be effective. A deliverable reporting on the progress and results of the concertation effort will facilitate that task. It is suggested that such a deliverable be prepared for the next review, close to the end of year 2005.



- NA5 = Policy and International Cooperation
- **Policy-related activities**
  - Mostly focusing on backing the eInfrastructure Reflection Group ([www.e-irg.org](http://www.e-irg.org)) “supporting the creation of a framework for the easy and cost-effective shared use of electronic resources in Europe”
    - Pursued mainly through a series of policy related *White Papers* and *Roadmap* documents, along with related *Workshops*
- **International Cooperation activities:**
  - With *other projects* including “**concertation**” activities (i.e. interacting with a cluster of related projects – forum of exchanging ideas)
  - With other geographical *regions* (e.g. North America, **Asia-Pacific**)
  - With *standardisation* bodies (GGF et al)



- **Policy related activities**

- Cooperation with and support to the **eIRG** (Luxembourg presidency (1<sup>st</sup> semester 2005)
  - EGEE coordinated the Support Group i.e. the e-IRG “virtual office”
    - *Leading the publication of the white papers and roadmaps*
    - *Sitting on committees to define the programmes for the workshop and e-IRG delegate meetings*
    - *Keeping notes and minutes for the different meetings and events*
    - *Co-organising the different e-IRG events*
  - Policy and technology experts from EGEE contributed to e-IRG workshops (rapporteurs or area leaders) and documents, often as sub-editors
  - The EGEE project director presented the project’s views to the e-IRG community as an observer in the eIRG meetings
- Supported the planning for UK and Austrian presidency (2<sup>nd</sup> semester 2005 and 1<sup>st</sup> 2006) events
  - UK e-IRG meeting only (no workshop, white paper)
  - Planning for Austrian presidency



- **International cooperation activities**

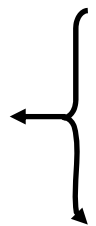
Participation in major international **conferences** and **workshops**

R2

– **Supercomputing 2005** (SC 05), Seattle, USA, November 2005

- EGEE delegation included: Project Director Deputy, Technical Director, NA5 leader

R1



- Interfaces have been established with:

- *OSG- USA: Presentation of EGEE @ OSG booth by technical director*
- *NAREGI, Japan: Organised planning meeting at the Japanese booth*
- *KISTI, Korea: Met with key Korean representatives and discussed about EGEE-II*
- *China-Taiwan, Networked with many representatives from the above projects*

R3



- Participated in the Mutli-Grid Interoperability meeting (major Grid projects around the globe)

- *Major production Grid stakeholders planning to achieve interoperation in major areas through standard interfaces*

- *US OSG - Teragrid, Japanese NAREGI, Korean KISTI, GGF and others*

- Austrian-Grid, Polish PSNC, UK e-Science booths kindly hosted EGEE promotional material (budes, flyers, folders, posters, stickers!)

- *EGEE was more visible this year!*

- Filed for an EGEE + related projects booth @ SC2006, Tampa, Florida

- **International cooperation activities**

Participation in major international **conferences** and **workshops**

R1

- **iGrid2005 and GLIF** (Global Lambda Integrated Facility) in San Diego, September 2005

- Focusing on networking aspects (network control and management planes) and advanced applications (impressive visual demos!)
- Related to EGEE SA2/JRA4 issues such as e2e connections, SLAs, advanced reservation, interaction between Grid middleware and networking layer etc.

- **OECD Global Science Forum** in Sydney, September 2005

- OECD: Organisation for Economic Co-operation and Development
- Discussions highlighted that the area of **policies** – which in Europe are handled by the e-IRG and supported by EGEE NA5 – should be emphasised more at a global level.
- Europe seems to be leading this area

R1



- **International cooperation activities**

Participation in major international **conferences** and **workshops**

R1

– **Internet2** event in Philadelphia, September 2005

- **US** NSF Middleware Initiative (NMI)

- *GridShib (Authorisation framework), MyVOCS (VO management)*

- **US** Networking initiatives presented

- *HOPi (Hybrid Optical and Packet Infrastructure), DRAGON (Networking Bandwidth on demand project)*

R1

– **GEANT2 launch event** in Luxembourg, June, 2005

- Interfacing with the networking community

- Interfaces have been accomplished with other areas of the world, such as **India** and **South Africa** in order to establish international Grid efforts

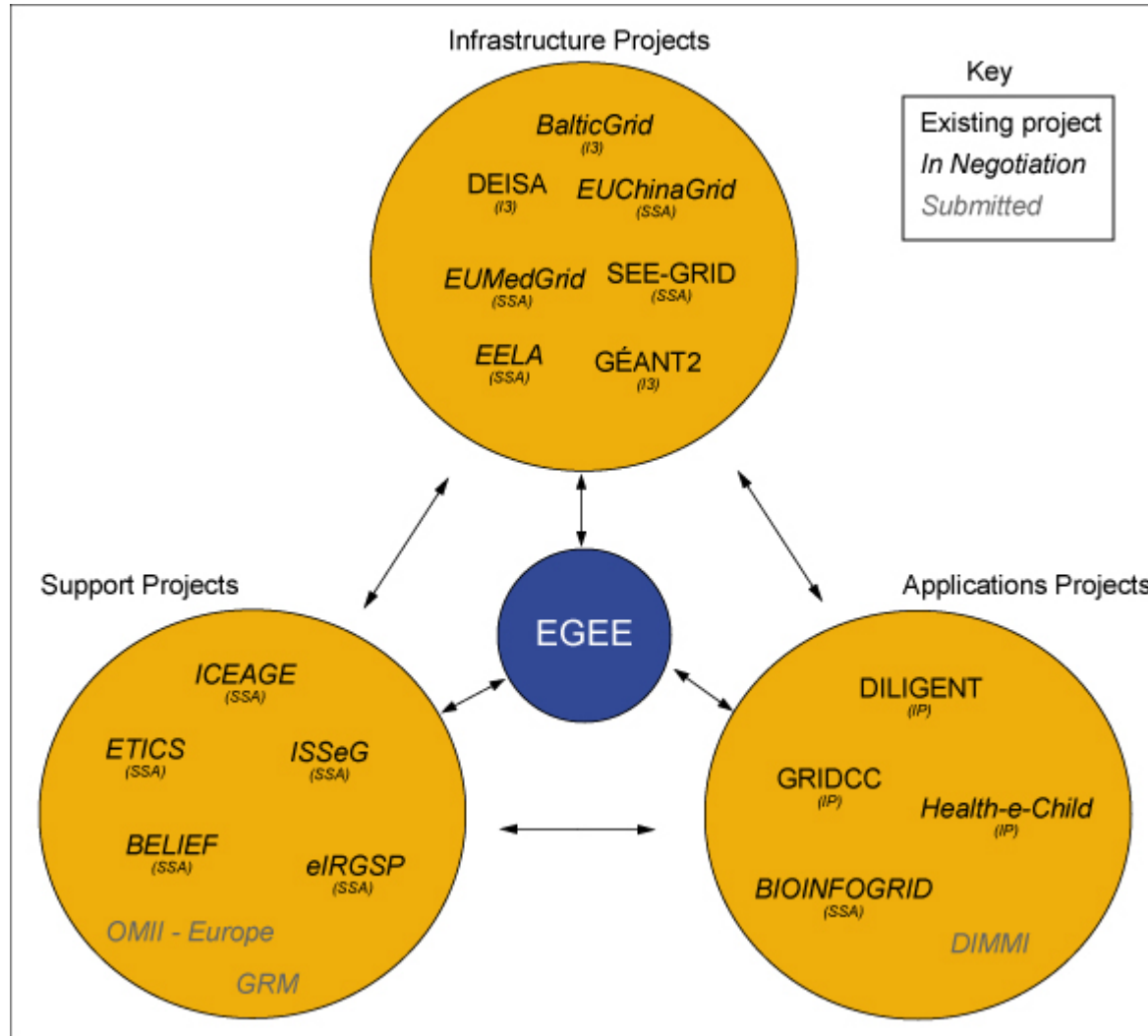
- **Japan:**
  - Achievements
    - EGEE visits and invited speeches, EGEE training events
      - *EGEE former project director gave a talk @ the NAREGI annual conference*
      - *Technical discussions on project collaboration and interoperability (e.g. cross job submission) during the EGEE3 conference in Athens*
      - *EGEE tutorial hosted by National Institute of Informatics (NII) in Japan*
      - *NAREGI-EGEE interoperability planning meeting @ SC05*
  - Future plans
    - *EGEE participation at next NAREGI conference in Japan (February)*
    - *Follow-up of Mutual Interoperability Meeting @ GGF 16 in Athens*
    - *NAREGI participation and invited talk during 1<sup>st</sup> EGEE Users forum (March 2006)*
    - *Participation of KEK (Research Institute in Japan) in EGEE-II under way*
- **China-Taiwan:**
  - *Specific Support Action project has been pushed forward:*
    - *EUChinaGrid: Starting 1/2006 (24 months) – led by INFN, Italy*
  - *EGEE gLite tutorial in parallel with the APAN (Asia Pacific Advanced Network) meeting*
    - *Participants from China, Singapore, Korea*
- **India:**
  - *EUIndiaGrid: Submitted in the September call*
    - *Key EGEE partners involved*
- **Korea:**
  - *Mutual transfer of technology know-how is planned under EGEE-II*

## R5

### “Concertation” - cross project efforts:

- **Successful EGEE/LCG/OSG working groups extended to other projects:**
  - **MiddleWare Security Group (MWSG):** *by invitation*
    - [project-eu-egEE-middleware-security@cern.ch](mailto:project-eu-egEE-middleware-security@cern.ch)
    - *Extended to DEISA, DILIGENT, GEANT2, GRIDCC, SEE-GRID*
  - **Joint Security Policy Group (JSPG):** *more open: Pisa open session held*
    - [joint-security-policy-group@cern.ch](mailto:joint-security-policy-group@cern.ch)
- **Participation and contributions to the Grid Technology days events - Grid Research (Grid Technologies Unit – F2)**
- **Participation to the TERENA NREN-GRID workshops, Amsterdam May and October 2005**
  - Topics such as **AAI** and **Reservation** of Networking resources for Grids
- **During EGEE 3 and EGEE 4 conferences:**
  - **Plenary talks** by DEISA, DILIGENT, NEXTGRID, SEEGRID
  - EGEE gLite **training** for other projects
  - **Demonstrations** open for other projects
  - **Related projects** session in Pisa!

R5

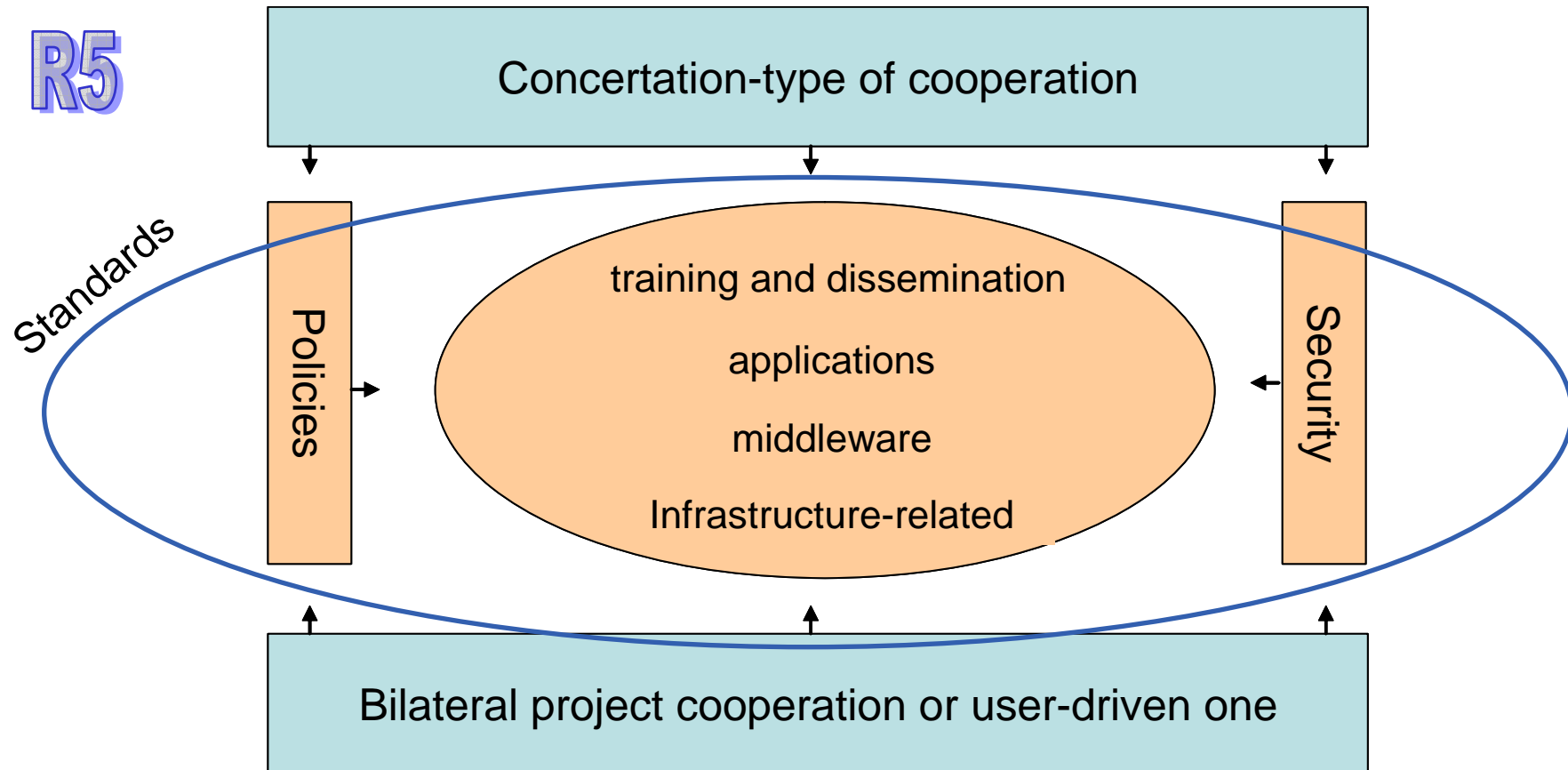


R5

The projects can be categorised as follows:

- **Infrastructure projects** such as GEANT2, DEISA, BalticGrid, EELA (Latin America), EuChinaGrid, EUMEDGRID, SEEGRID2
  - **Application-related projects** such as BIOINFOGRID (Bioinformatics), DILIGENT (Digital Libraries), GRIDCC (Real time control and visualisation of instrumentation), Health-e-Child
  - Other **support projects** and initiatives such as eIRG-SP (e-IRG support), ETICS (Software/Middleware centric), BELIEF (dissemination repository), ICEAGE (education), ISSeG (inter site security)
- **For the March Research Infrastructures EU call ~15 projects requested an EGEE Letter of Support**
  - **Scope:**
    - To inform the projects of the EGEE services available (Infrastructure-oriented, GILDA, training, etc.)
    - To detect possible synergies and find ways to exploit them
  - **Presentations from 12 related projects in a 4+ hours session (Tuesday)**
    - <http://indico.cern.ch/sessionDisplay.py?sessionId=18&slotId=1&confId=a0514#2005-10-25>
  - **Panel by both EGEE and the related projects**
    - **Discussion on the cooperation areas and the way forward**

R5



## R5

- Working groups are a good solution for many areas but not for all
- More needed when technical work
  - Other forms of collaboration are needed (e.g. discussion fora, bilateral cooperation)
  - **Priorities** should be set - forming too many groups might be counterproductive
    - Training and standards were highlighted, amongst the other
  - EGEE will prepare a report and distribute it to the corresponding mailing list formed
  - More generic..
    - The **EGEE conferences** are a major driver towards concertation efforts, but should not exclude other events with broader scope
    - EGEE-II will be a good time to start activating collaborations and working synergistically, because of the prevalence of related projects that will start in the next few months

- **NA5 role is mainly a supporting entity within EGEE**
  - NA5 documented in an inventory main areas of EGEE interest in DNA5.3-4
    - Including GGF, W3C, IETF, OASIS, ad-hoc efforts
  - Currently working on preparing an inventory with EGEE participation in major Grid standardisation bodies
    - Template table sent to all the activities including:
      - *Standard body, (Area), Working Group, EGEE contributor's name, role, institute, country, Details/Comments*
- **Standardisation was considered key for cross-project collaboration during the Pisa session**

R3-R4



MONTH	DEL	ITEM	PARTNER
M15	DNA5.1.3	eInfrastructure Forum White Papers in conjunction with the EGEE Project Conferences (Luxemburg e-IRG White Paper submitted)	CERN
M18	Combined DNA5.3 and DNA5.4	Progress report on International Cooperation Activities and European Grid project synergy (in collaboration with DEISA, SEE-GRID and other relevant initiatives and EU projects) (Major deliverable summarizing NA5 efforts - submitted)	CERN
M21	DNA5.1.4	eInfrastructure Forum White Papers in conjunction with the EGEE Project Conferences (No UK e-IRG White planned- To be submitted as an early Austrian e-IRG draft)	CERN

- **NA5 survived a complete management change from 1<sup>st</sup> review:**
  - Fotis Karayannis: New NA5 Activity Leader (May 2005)
  - Joanne Lawson: New NA5 Support Officer (Sept. 2005)
- **Policy activities**
  - No White Paper planned by the UK e-IRG presidency
    - The effort could be put forward to an Austrian presidency White Paper (draft) as no Austrian White Paper was planned in the lifetime of EGEE. If approved, to be delivered as a draft by the end of the project (March 2005), as the White Paper is planned to be finalised in June.
- **International Cooperation activities**
  - “Concertation” and project collaboration after Pisa is progressing faster
    - Report will be circulated after the review
    - Follow up at the EGEE Users forum and next Concertation events (April)
  - Cooperation with other regions progressing
    - Next events: GGF16 interoperability meeting, EGEE Users forum, NAREGI conference
- **Standardisation**
  - NA5 is only supporting this activity (not driving it)
  - Gathering of information is time consuming – A list of EGEE contributions is expected during the last EGEE quarter (Q8)

- **e-IRG UK presidency meeting: 14 December 2005, London**
  - No UK e-IRG White Paper – Discuss internally
- **Conceration meeting, 14 December 2005, Bordeaux**
  - Organised by DANTE, seeking more wide concertation (e.g. network-grids)
    - Areas: Monitoring and Performance Optimisation, Resource Management / Allocation, Security and AAA, Interoperability Issues
- **GGF 16, 13-16 February, Athens**
- **Gridcoord workshop, 27-28 February 2006, Linz**
- **EGEE User Forum event, 1-3 March 2006, Geneva**
- **e-IRG workshop+concertation meeting, 10-11 April 2006, Linz**
  - Effort to combine it with the 3<sup>rd</sup> TERENA NREN-GRID workshop (March-April 2006)
- **EGEE Review/EGEE-II kick off meeting, April 2006?**
  - Since brief review for December, NA5 has to focus on the final review
- **e-IRG Austrian presidency meeting, June 2006, Wien**
  - Austrian presidency White Paper, Roadmap to be presented
  - Cooperation with e-IRGSP

- **NA5 has accomplished its major goals and is becoming more and more important**
  - As the number of related projects has increased
  - As policy issues become more important
- **EGEE as an incubator for new projects!**
  - ~15 letters of support
- **There is good potential for synergistic working with the related projects after the Pisa session: EGEE will be following this up!**
- **Close collaboration of NA5 with technical activities**
- **Thank you! Any comments or questions, email**
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  - [joanne.lawson@cern.ch](mailto:joanne.lawson@cern.ch)

# Backup slide: Time scales

