



EU FP6 call for proposals & EGEE plans

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Outline

- EGE background
- EGE project vision
- Scope of the FP6 call for proposals
- Proposal submission timeline
- TAB charter
- First TAB inputs
- Current plans



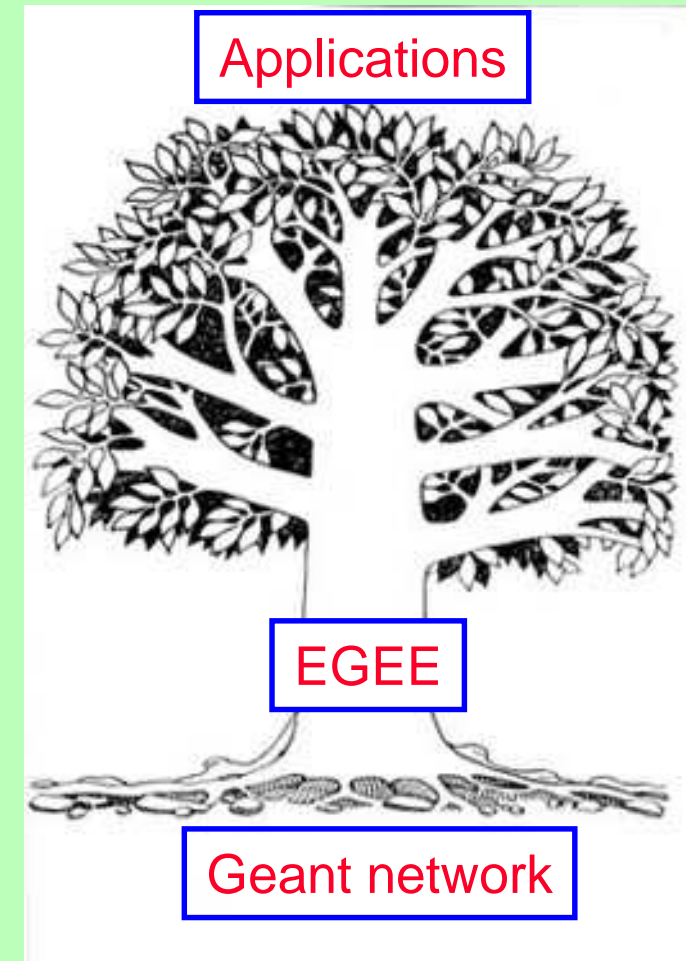
EGEE Background

- Much work to influence the definition of the EU FP6 Grid programme
- Constant contact with the EU to understand 1st call
- Established an informal task force to submit a EoI for EGEE

EGEE vision

Enabling Grids for E-science in Europe

- Goal
 - Create a general European Grid production quality infrastructure on top of present and future EU RN infrastructure
- Build on
 - EU and EU member states major investment in Grid Technology
 - International connections (US and AP)
 - Several pioneering prototype results
 - Larg Grid development team
 - Goal can be achieved for about €100m/4 years on top of the national and regional initiatives
- Approach
 - Leverage current and planned national and regional Grid programmes (e.g. LCG)
 - Work closely with relevant industrial Grid developers, NRNs and US-AP projects





W ork done so far

- EoI for FP6 : www.cern.ch/egee-ei submitted on June 7th
- Several follow up meetings
- An editorial board and an Interim Task Force established by major HEP and other sciences funding agencies to prepare a position paper and a presentation for a EU Grid workshop in Brussels on October 3-4
- Both bodies extended to follow-up with the EU (IST02, ER02, individual contacts)

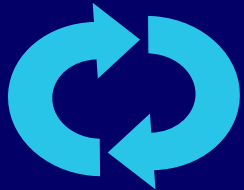


Activities within the partners

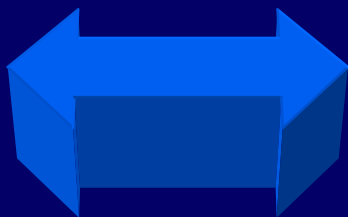
- Most of partners continued to build national and regional Grid consortia to participate in EGEE
- Condition to participate in EGEE is to have already an established Grid activity or be an established Grid technology centre
- EGEE overall project (100 M Euros requested for 4 years) will need to submit staggered proposals to respond to several separate EU calls
- The first one opened on December 17th and closes May 6th

GÉANT and GRIDs: The model

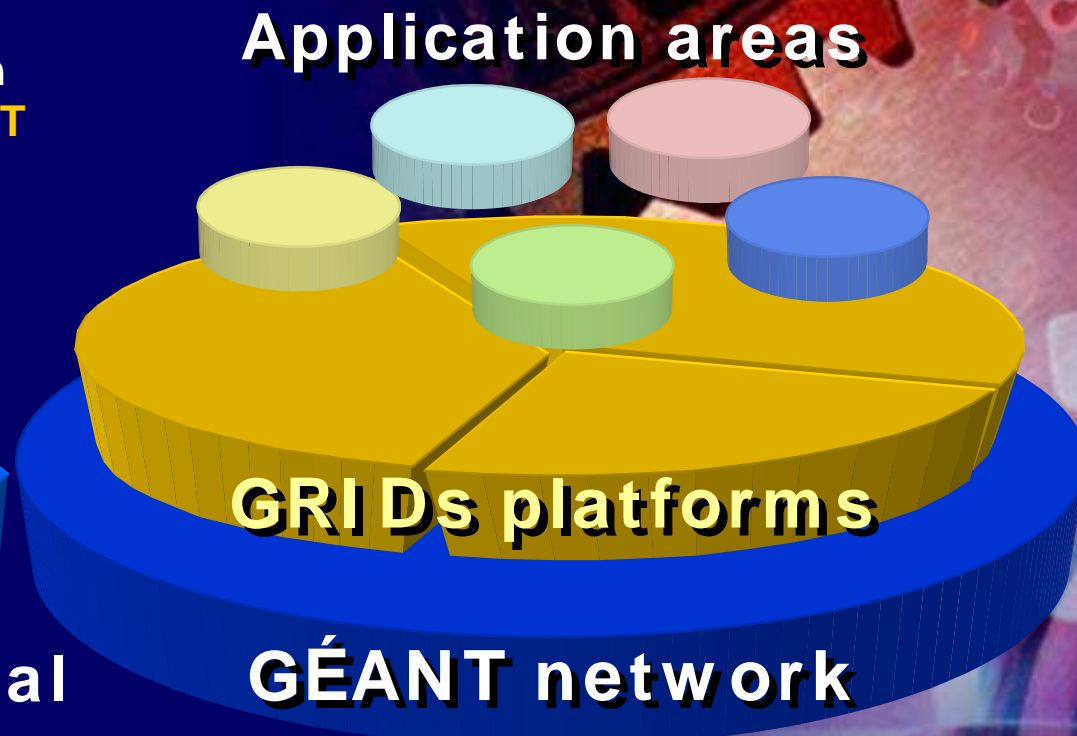
GRIDs use
GÉANT infrastructure



GÉANT profits from
technological innovation
GRIDs empowered GÉANT



International
dimension



Instruments

IST Programme

3.825 M Euro

Research
Infrastructures
665 M Euro

*GÉANT, GRIDs,
other ICT-RI*
100 + 200 M Euro

Structuring the ERA Programme

2.655 M Euro

- Integrated Projects
- Networks of Excellence
- Specific Targeted Projects
- Coordinated actions
- Support actions

- Integrated Infrastructure Initiatives
- Coordinated actions
- Support actions
- More info on: <http://www.cordis.lu/ist/fp6/activities.htm>



Separate calls for proposals!



Communication Network Development Call



- 45–47 Million Euros available in the first EU call (Dec 17th, 2002)
- Hard to get the whole budget, we will need to share with one, two, more projects and a lot of competition to be expected (DEISA, AGRIDnet, ...)
- Focus on support and integration of already established Grid infrastructures
- Build a Grid production layer on top of the EU RN infrastructure
- No funds for H/W, CS research or application development (in a first approximation)



Integrated Infrastructure Initiative (I3)



- Three lines of funding supported (with possible budget breakdown):
 - Networking activities (nothing to do with networks...):
 - This is the overhead: management, coordination, dissemination and outreach (7-10% of the total funding)
 - Specific service activities:
 - Provision and procurement of Grid services (50% of total funding)
 - Joint research activity
 - Engineering development to improve the services provided by the Grid infrastructure (30% of total funding)
 - Application support and focused R&D (10% of total funding)



Networking activities



- Coordination and management of the participating Grid infrastructures
 - Management structure being defined
- Dissemination, training and outreach
 - Leverage EDG and other project tutorials
 - Proposal from Terena received
- User clubs, industry forum etc.



Specific service activities



- Integration of major national and international Grid infrastructures
- Two tier structure:
 - 1st Tier: Major Grid centres (4-6). Must satisfy minimum level of Grid resources and staffing
 - 2nd Tier: POPs in all other RN Geant supported countries
 - EU resources for doubling the 1st tier centres Grid support staff, a central operation centre and a distributed call and support centre
 - Interface to Geant follow-on project
 - Mostly staff and overhead (computer fabrics and storage provided by the partners)



Joint research activity



- Focus on hardening and re-engineering of Middleware
- Leverage current EU Grid projects and international Grid technology developers (large and established M/W development community)
- A few WPs (3-4) with critical mass in a single geographical center, dedicated WP managers hired by the project and reporting to the project technical management (possible international and industrial participation)
- Quality assurance group, integration, certification and distribution group with industrial quality
- International senior advisory group for project review, long term technology development and direction



Additional activities



- Application support:
 - high level interface and portals
 - user requirements (a la HEPCAL)
 - Multi-science
- CS focused activity:
 - Long term CS issues for production quality Grids



Funding schemes

- Research and academic partners: 100% funded, 120% of marginal costs
- Industry: 50% of full cost funded
- Procured services: public procurement rules apply and 50% funded
- Management and coordination permanent staff allowed



Distribution of responsibilities



Motivation: provide transparent, effective process for proposal preparation

EGEE Executive Committee (EC):

- Responsible for defining Work Packages and setting up Task Forces to deliver technical content for proposal. Max ~10 persons for effective process
- Should represent stakeholders with major, proven computer and human resources to contribute to EGEE
- US has observer status (Ian Foster)

EGEE technical advisory board (TAB):

- Advise the Executive Committee on the overall architecture and specific technical issues
- US participation



Distribution of responsibilities



EGEE Editorialboard:

- Responsible for gathering input from taskforces, overall editing of proposal, filling out administrative forms and maintaining timeline

EGEE NationalPartners board:

- Responsible for coordination and communicating with interested parties on national/regional level. One person per country/region
- Consulted by Executive Committee during preparation of proposal, to ensure adequate transparency - must be seen as impartial

EGEE interest group:

- All institutes, companies, organisations interested to remain informed about progress of EGEE proposal. Includes potential subcontractors for different workpackages

EGEE expert pool:

- Experts recommended by the EC members



EGEE proposal timeline

Tentative Schedule

- Draft 1: overall project structure end of February 2003
- Discussed with HEP on a Town Hall meeting on February 22
- Other end-user meetings to be scheduled
- Draft 2: with detailed workpackages end of March 2003
- Final proposal including admin and management end of April 2003
- Submission by May 6th 2003
- First feedback from EU in June-July
- Contract negotiation late summer, fall 03
- Contract signature by the end of 03
- Start of project Q1-Q2 04



EGEE proposal timeline

- 15/1-5/2 Executive Committee establishes TAB
- 5/2-20/2 TAB prepares recommendations to EC
- 22/2 Town Meeting with HEP
- 22/2-28/2 Executive Committee appoints task forces
- 1/3-30/3 Task forces draft WP contents
- 1/4-4/4 Editorial Board compiles proposal and submits to EC
- 14/4-18/4 EB prepares new draft
- 23/4 General open meeting
- 24/4-2/5 Final proposal plus signature and admin
- 6/5 final deadline



Executive Committee

Members	Alternates	Consortia/Countries
Kors Bos NIKHEF	John R. Hansen NBI	Northern (Denmark, Finland, Sweden, NL)
Manuel Delgado IFAE	Jesus Marco Santander	South West (Spain Portugal)
Neil Geddes PPARC	Robin Middleton RAL	UK
Fotis Karayannis GRNET	Gabriel Neagu tbc	South-East (Greece, Cyprus, Romania, Bulgaria, Israel)
Marcel Kunze FZK	Matthias Kasemann Desy	Germany
Fernando Lello RN Geant	Klaus Ullmann DFN	EU NRNs



Executive Committee

M irco M azzucato IN FN	Federico Ruggieri IN FN	Italy
W olfgang Von Rueden CERN	H ans H ofm ann CERN	CERN
M ichal Turala IP Krakow	Peter Kacsuk M TA SZ TAKI	Central-East (Austria, Czech Rep., Hungary, Poland, Poland, Slovakia, Slovenia)
Guy W om ser CNRS	M arcel S oberm an CNRS	France
Fabrizio Gagliardi CERN		Chairman



Executive Committee (observers)

Ian Foster ANL	Carl Kesselman USC ISI	US
Slava Ilyin	A. Kryukov	Russia
Les Robertson	David Foster	LCG



Editorial Board

EGEE Editorialboard

- Fabrizio Gagliardi, Francois Grey, Massimo Lamanna, Mark Parsons
- Paul Messina, David Williams (advisors)

Technical and Administrative support

- Massimo Lamanna, Marie Laure Schutz



TAB charter



- *The main role of the Technical Advisory Board is to advise to the EGEE Executive Committee on a project structure which is technically sound and in accordance with all requirements coming from the European Commission (call for proposal, work programme, etc...)*
- *This project structure shall consist of a series of well identified, self contained workpackages and shall include if necessary, transverse structures*
- *The workpackage contents and boundaries should be such that small task forces can be launched to write the corresponding section of the proposal, in the required timeframe*



TAB charter



It is expected that the following topics will be covered by the Technical Advisory Board:

- *-Grid Middleware re-engineering*
- *-Grid production support and operation*
- *-Interface with applications.*

Non-technical work packages such as project management, industry relationship, dissemination, relationship with other projects and networks of excellence will be handled directly by the EC

The Technical Advisory Board can solicit the help of outside experts to accomplish this task

The role of the TAB during a second phase will be to monitor the progress of the various task forces and to guarantee the technical coherence of the whole project proposal

Task Forces will be appointed by the Executive Committee

The TAB will be formally dissolved on submission of the project proposal



T A B composition

- M atthias Kasem ann (Chair) CERN /DES Y
- M arian Bubak CYFRO NET Krakow
- Bob J ones CERN
- M iron Livny W isconsin Univ.
- M alcolm Atkinson UK N ationale-S cience
- Thierry Priol IRISA – France
- Francesco Prelz IN FN
- Dave Pearson O RACLE UK
- Ian Bird LCG



EGEE Current status and plans

- TAB had first kick off face to face meeting Feb 13-15
- Preliminary draft produced
- Summary to be presented to this meeting
- To be discussed with town meeting inputs by the EGEE executive committee
- Rapid iteration cycle (including LHC inputs) to converge to the establishment of technical task forces to draft the technical part of the proposal by the end of March
- Continuous iteration cycle with final end-users and major stakeholders (LCG, HEP, other sciences...) during April
- EGEE plans and proposed funding needs presented to senior EU delegation yesterday
- Positive and encouraging reaction, an important proposal is expected and welcome



Conclusion

- Very important event today to inform and be advised by the LHC wider community on current plans and approach
- Need to agree on most effective and operational interface with LHC computing stakeholders
- Look forward to constructive and active discussion