



Enabling Grids for E-science

# EGEE-II project proposal overview

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



- **All material presented at this meeting is to be considered preliminary**
  - It is undergoing frequent revisions taking into account feedback from many sources in the consortium (PMB, PEB, etc.)
  - Your feedback will be used further refine this material
- **This proposal will be submitted as part of a competitive call from the EU**
  - Do not distribute this material outside the consortium
    - If you are not sure, ask first
  - Doing so may compromise our chances of success

- **An editorial board has been appointed by the EGEE Project Mgmt Board (PMB) to draft the proposal**
  - Taking input from each federation (region), pilot application groups (HEP, Bio), activity managers (EGEE PEB) and original EGEE2-taskforce
- **June/July:** Iterative proposal writing
- **August:** Final administrative adjustments only
  - **No renegotiation of consortium, roles and budget**

**September 8, 2005:** Deadline for Submissions



- EU call description
  - **Identifier:** FP6-2005-Infrastructures-7
  - **Research Infrastructures** “eInfrastructure: Grid Initiatives”
  - **Closing date:** Sept. 8, 2005
  - **Indicative Budget:** € 55 Million
  
- EGEE-II boundary conditions
  - **Consortium:** very similar to EGEE
  - **Finance:** similar budget (approx €32M from EU + contributions from partners)
  - **Duration:** 2 years starting 1<sup>st</sup> April 2006
    - Avoid short-term extension to EGEE phase 1
    - Ensure staff retention in all partners of the consortium

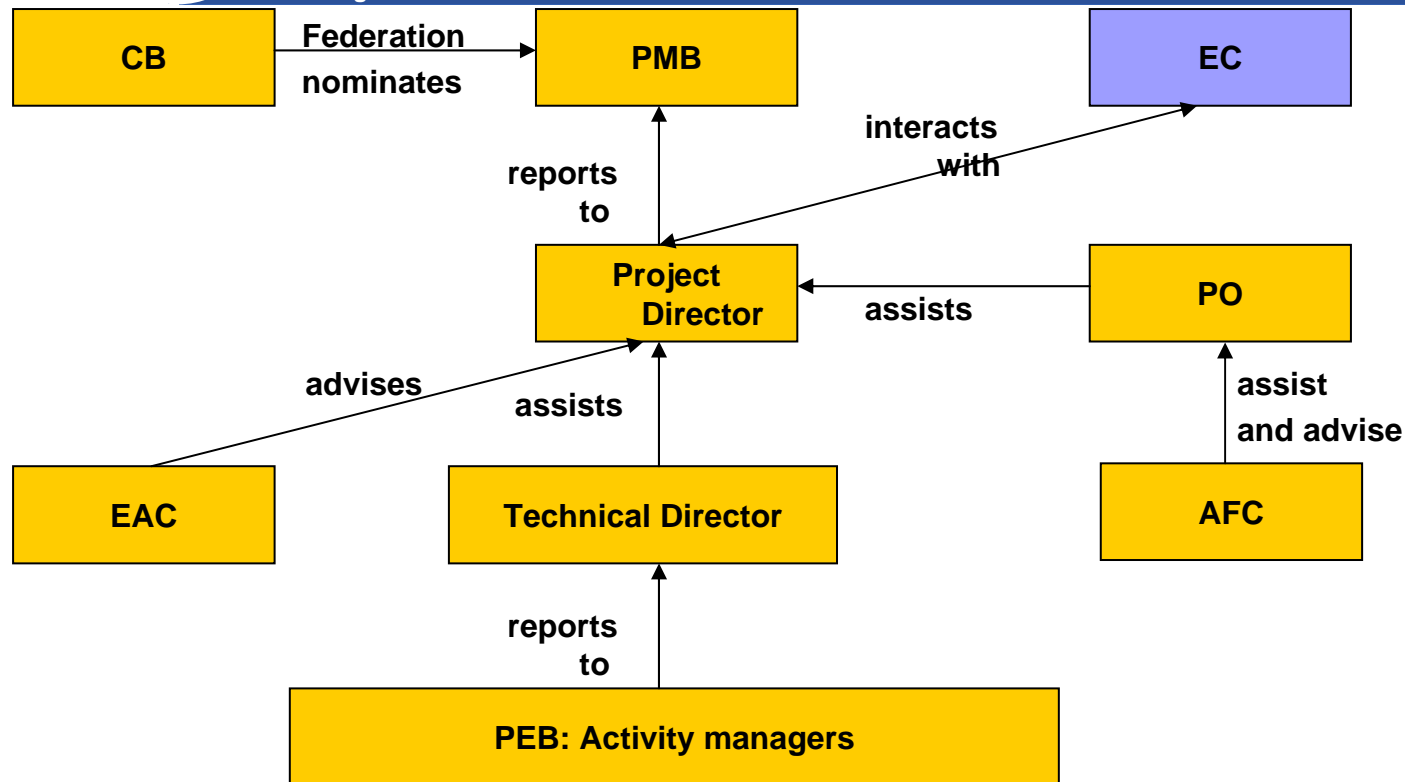
- **A continuation of the project's first phase**
  - mostly the same contractors (approx 85 compared to 70)
  - necessary adjustments on the basis of the input from the activities and especially taking into account the recommendations and comments from the 1<sup>st</sup> EU review (Feb'05)
- **Emphasis on providing an infrastructure for eScience**
- **Increased support for applications**
  - Maintain role of pilot applications (HEP, Biomedical)
  - Address needs of a wider user base
- **Increased industrial involvement**
  - A mandatory goal of all EU projects is to promote technology transfer to industry
- **Prepare for a sustainable grid infrastructure (c.f. European Grid Organisation)**
  - Coordinating and building on national grid programmes and related initiatives

## From the 1st EU Review:

- Additional activities could be spun off to other related projects
- EGEE should support other projects which use the EGEE infrastructure → EGEE as an **incubator**
  - This is important to ensure support for EGEE and its continued funding in Brussels
  - Typically the other projects foresee some funding (to selected EGEE partners) to help provide the necessary support

<i>Name</i>	<i>Description</i>	<i>Common Partners with EGEE</i>
<b>BalticGRID</b>	EGEE extension to Estonia, Latvia, Lithuania Applications: Physics, Bio, Pharmaceutical industry, etc.	KTH – PSNC – CERN
<b>EELA</b>	EGEE extension to Brazil, Chile, Cuba, Mexico, Argentina Applications: e-Learning, Biomedical, HEP, Climate	CSIC – UPV – INFN – CERN – LIP – RED.ES
<b>EUChinaGRID</b>	EGEE extension to China Applications: Cosmic Ray, Never Born Proteins (Biology)	INFN – CERN – GARR – GRNET – IHEP
<b>EUMedGRID</b>	EGEE extension to Malta, Algeria, Morocco, Egypt, Syria, Tunisia, Turkey Applications: HEP, Biomedical, regional applications	INFN – CERN – DANTE – GARR – GRNET – RED.ES
<b>ISSeG</b>	Site security	CERN – CSSI – FZK – CCLRC
<b>eIRGSP</b>	Policies (Certification Authorities)	CERN – GRNET
<b>ETICS</b>	Repository, Testing	CERN – INFN – UWM
<b>ICEAGE</b>	Repository for Training and Education, Schools on Grid Computing	UEDIN – CERN – KTH – SZTAKI
<b>BELIEF</b>	DL of Grid documentation organization of brainstorming, workshops, conferences	UWM
<b>BIOINFOGRID</b>	Biomedical	INFN – CNRS
<b>Health-e-Child</b>	Biomedical - Integration of heterogeneous biomedical information for improved healthcare	CERN

Exact budget and partner roles to be confirmed during negotiation.



CB	Collaboration Board
EAC	External Advisory Committee
EC	European Commission
PD	Project Director

PEB	Project Executive Board
PMB	Project Management Board
PO	Project Office
AFC	Administrative Federation Committee

Final structure to be agreed with new project director  
 AFM formalised , EAC better financed  
 Security head will also have a seat on the PEB



- **Scope**
  - Phase I
    - Create a public image of EGEE and raise awareness of the project
    - Identify and bring on-board new user communities
  - Phase II – **in addition to the above**
    - Focus more on target dissemination esp. for new user communities
    - Improved internal communications
    - Community building
    - Prepare for long-term sustainable infrastructure
  
- **Principle Tasks reflect the project evolution from a development model to major Grid service provider**
  - Strategy needs to be written **before** the start of Phase II

- **Media relations**
  - Tailor news stories to key target groups
  - Maintain individual relations with journalists across all federations
  
- **Events**
  - Dedicated EGEE events
    - 2 major, annual conferences (1<sup>st</sup> in conjunction with GGF hosted by CERN in Geneva – Sept'06)
  - Presence at computing events
    - SuperComputing etc.
  - Presence at specialist scientific events and industrial events
  
- **Internal communication & EGEE community building**
  - Formalise internal communication channels
  - Build communities of both project members and project users

- **Federal approach**
  - Activity leader and coordination of media relations based at PO
  - Partners in different countries assigned specific tasks
  - Regional partners responsible for dissemination targeted to the local area (and in the appropriate language)
  
- **Industry Forum**
  - Increase involvement of industry
  - Need dedicated dissemination material and events
  - More technical work under discussion
    - CERN Openlab Board of Sponsors meeting tomorrow

- **Will further refine the relationship between EGEE-II and LCG phase 2 to**
  - Reduce areas of duplication
  - Simplify reporting lines
  - Harmonize milestones and deliverables
- **Discussions on-going between LCG & EGEE management and LHC experiments**

- **EGEE**
- **NA1 Management**
- **NA2 Dissemination & Outreach**
- **NA3 Training**
- **NA4 Applications**
- **NA5 Policy & Intl Coop.**
- **SA1 Operations**
- **SA2 Network Resource Provision**
- **JRA1 Middleware**
- **JRA2 Quality Assurance**
- **JRA3 Security**
- **JRA4 Network Services Dev.**

## EGEE-II

- NA1 Management**
- NA2 Dissemination & Outreach**
- NA3 Training**
- NA4 Applications**
- NA5 Policy & Intl Coop.**
- SA1 Operations**
- SA2 Network Support**
- JRA1 Middleware**
- JRA2 Quality Assurance**



## 24% Joint Research

**JRA1: Middleware Engineering and Integration (5 partners, 16%)**

**JRA2: Quality Assurance (2 partners, 2%)**

**JRA3: Security (5 partners, 3%)**

**JRA4: Network Services Dev. (7 partners, 3%)**

## 28% Networking

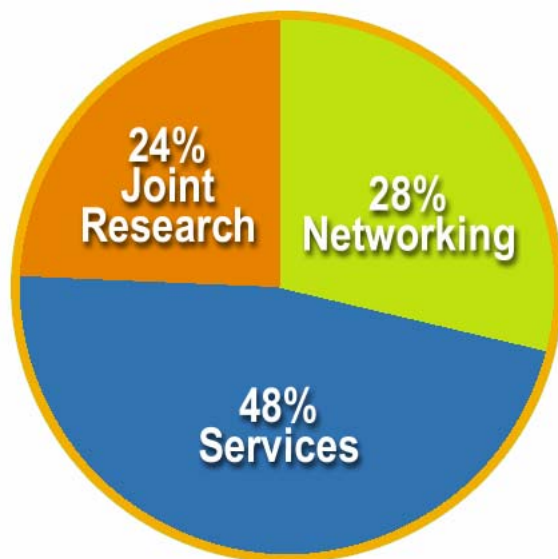
**NA1: Management (1 partner, 4%)**

**NA2: Dissem. & Outreach (20 partners, 5%)**

**NA3: User Train. & Education (22 partners, 4%)**

**NA4: Appl. Support (20 partners, 12.5%)**

**NA5: Policy & Intl. Coop. (9 partners, 2.5%)**



## 48% Services

**SA1: Grid Operations (48 partners, 46%)**

**SA2: Network Resource Provision (3 partners, 2%)**

**70 institutions in 27 countries, federated in regional Grids**

**~32 M€ EU funding for initially 2 years starting 1st April 2004**

total 2 year budget of ~46 M€

**EU review, Feb'2005 successful justifies EGEE-II proposal**

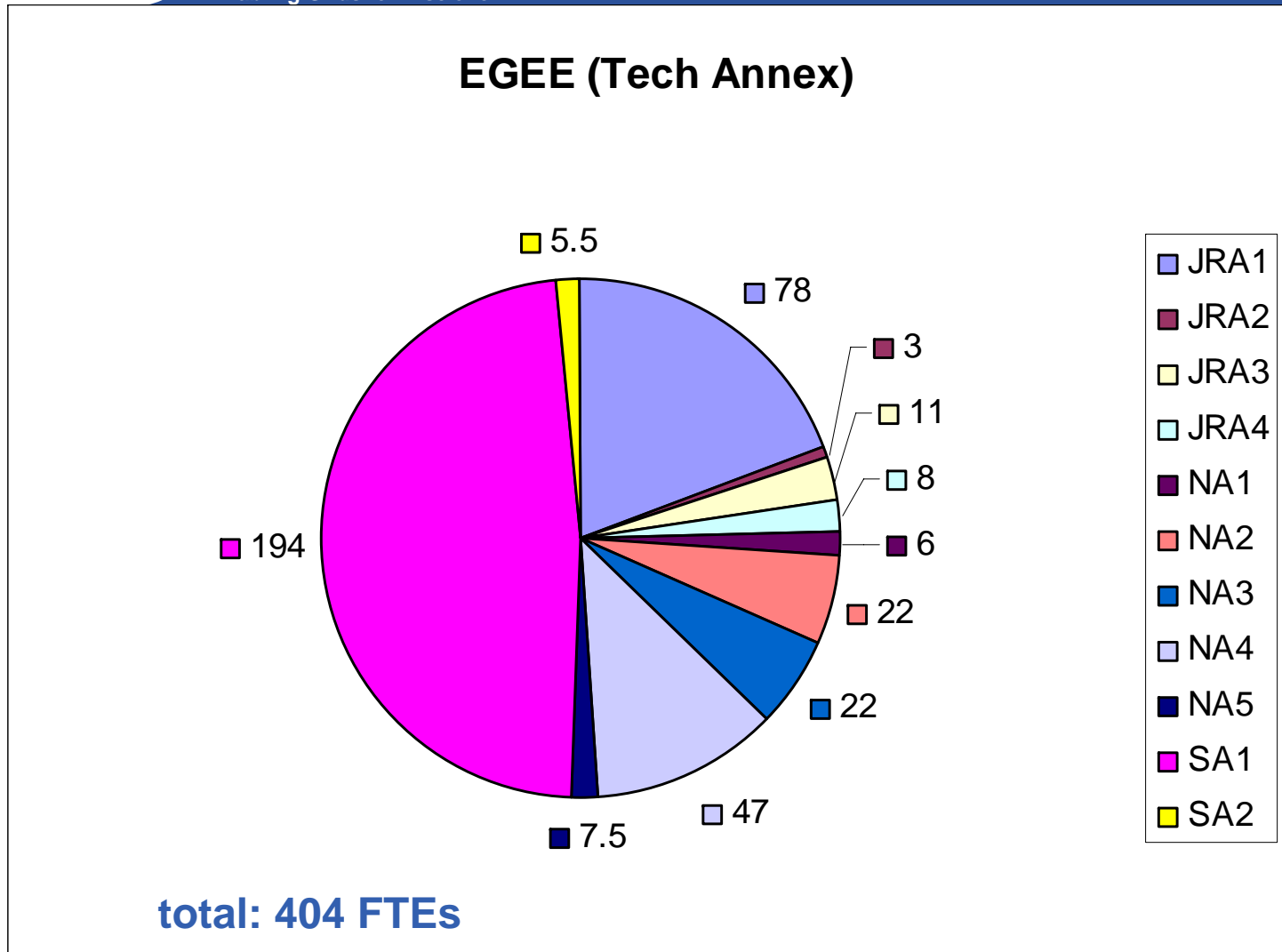
- **Based on the tasks defined for each activity, the activities have estimated the required manpower**
- **The numbers are expressed in FTEs (FullTime-Equivalents) over the full duration of the project (2 years)**
- **No differentiation is made between EU funded manpower and matching manpower provided by the partners**
  - Depends on financial model of the partners
  - Need to first define consortium partners
- **No attempt has been made to allocate the manpower to partners**
  - These are just the “raw” estimates of effort required for each task
- **Not yet possible to estimate the budget to be requested from the EU for the project and hence whether we fall within the boundary conditions**
  - Will certainly need to adjust the manpower levels once the costs are known

- **NA1**
  - Final organisation will need to be agreed by the future project director
- **NA2**
  - No estimates provided but contents discussed at NA2 meeting last week (Bulgaria)
  - Numbers are “guestimates” by PO
- **NA3**
  - Many activities have now specifically allocated manpower for training. Potential overlaps need to be explored.
- **NA4**
  - Potential overlaps with other activities for testing & support areas
- **NA5**
  - No estimates provided hence numbers are “guestimates” by PO



- **SA1**
  - Potential closer coordination with JRA1 on testing and integration tasks
  - manpower figures are preliminary
- **SA2**
  - Same figures as EGEE

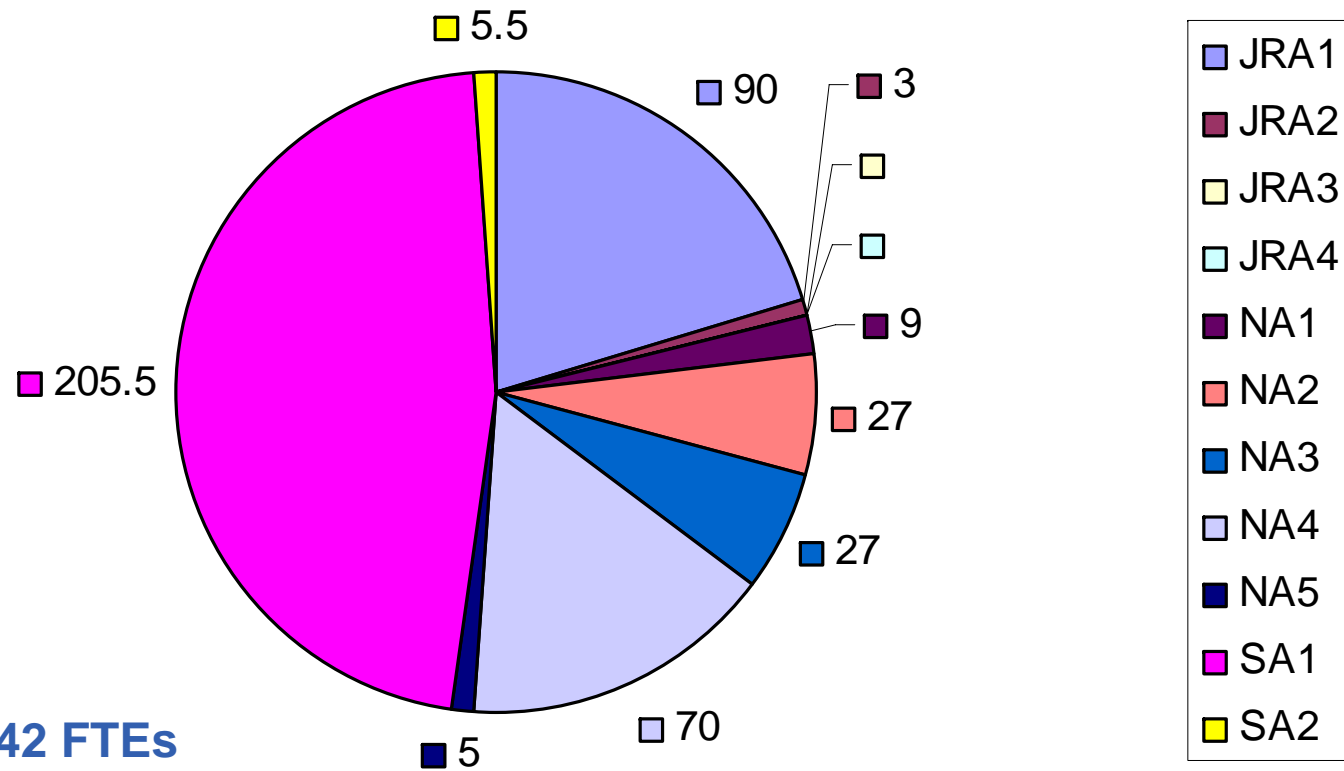
- **JRA1**
  - The tasks listed cover all possible middleware tasks and need not all be in JRA1
  - The tasks (and manpower) of JRA3 and JRA4 are included in this list
    - The overlap with SA1 in these areas needs to be clarified
  - The total list of tasks will be reduced according to priorities and manpower levels assigned
- **JRA2**
  - Same figures as EGEE
  - Most of the manpower related to QA is assigned to the activities
    - JRA2 has a coordination role



Tech Annex <https://edms.cern.ch/document/400278/>

PR1 <https://edms.cern.ch/file/529283/4/EGEE-DNA1.3.1-EffortTablesP1-Final-v0.0.pdf>

## EGEE-II (Editorial Board)



Total: 442 FTEs

Approx 10% increase compared to EGEE

- **Manpower estimates for EGEE-II are approx 10% above EGEE**
  - Same as EGEE: SA1, SA2, JRA2
  - Increased: NA2, NA3, NA4
  - Combined: JRA1, JRA3, JRA4
- **The EGEE-II project will be a natural continuation of EGEE**
  - Offers a large-scale production grid infrastructure to many applications from multiple domains
  - Further improve the quality of the infrastructure and offer increased support to application
  - Prepares for a sustainable grid infrastructure
- **The EGEE-II project proposal will be prepared by the end of July ready for submission at the start of September**