



EGEE-II Status

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EGEE-II final EU Review (CERN) 8-9 July 2008

www.eu-egee.org







Contents

- General Status of the project, providing an overview of:
 - Review Agenda
 - Project Objectives
 - Activities
 - Management Structure
 - NA1 activity 2nd year achievements
 - Deliverables/milestones, contract status
 - Financial status
 - Manpower levels



Review agenda

Tuesday

Status of the project
Technical Status

Applications

Dissemination (scientific & business)

Operations

Interoperability (incl. ARC, UNICORE)

Demos

Quality Assurance

Networking Support

Wednesday

Middleware Re-engineering

Integration, Testing and Certification

Software process metrics

Training

Policy & Collaboration

Plans for the future (EGEE-III, EGI)

General discussion

Closed session

Feedback from reviewers

(Poyekisti)

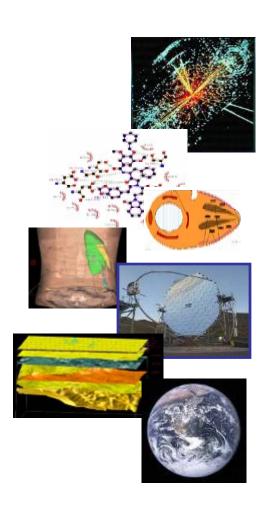
The follow-up of recommendations from the 1st year review is documented in the periodic report (DNA1.2.2) and are implicitly covered in the presentations



Project Objectives

Infrastructure

- Manage and operate production Grid for European Research Area
- Interoperate with e-Infrastructure projects around the globe
- Contribute to Grid standardisation efforts
- Multitude of applications from a growing number of domains
- Forge links with the full spectrum of interested business partners
- + Disseminate knowledge about the Grid through training
- + Prepare for sustainable European Grid Infrastructure





Activities

Networking

NA1: Project Management

NA2: Dissemination, Outreach and Communication

NA3: Training and Induction

NA4: Application Identification and Support

NA5: Policy and International Cooperation

Services

SA1: Grid Operations, Support and Management

SA2: Networking Support

SA3: Integration, Testing and Certification

Management, Dissemination etc. 12% 5% Application support 16% Middleware Development

EGEE Project Activities

Joint Research

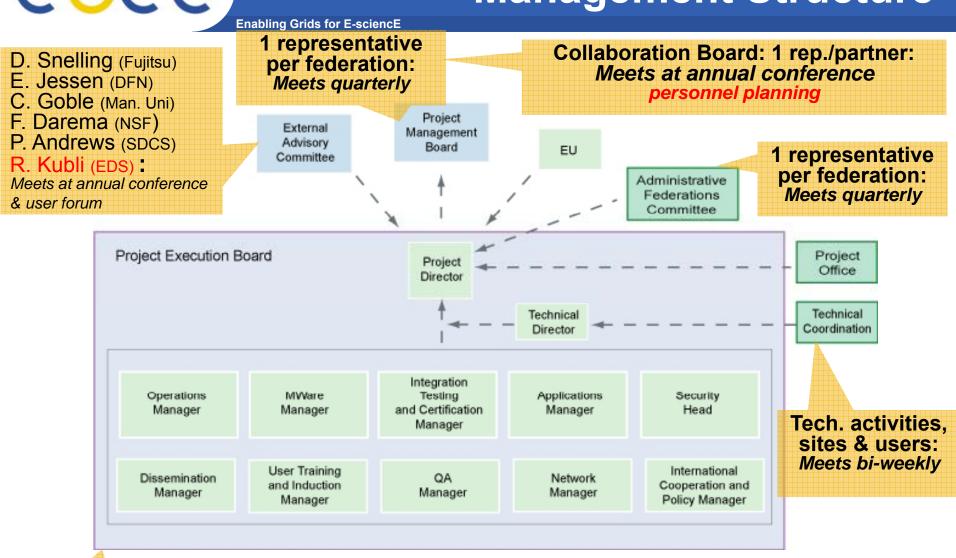
JRA1: Middleware Re-engineering

JRA2: Quality Assurance

13%



Management Structure



Meets weekly by phone



NA1: 2nd year achievements

- 3rd contract amendment
 - Changes to legal status for Datamat to Elsag-Datamat
- 4th contract amendment
 - Request extension for 1 month
 - Add partner Trust-IT to consortium, from 1 January 2008 (NA2)
 - Agree division of tasks and costs with Metaware
 - Replace CS Systemes d'Informations SA with BT Infrastructures Critiques
- In all cases the same personnel continued to work on the project
- All activity meetings
 - July 2007: Prepared actions and initial responses to the recommendations given at the 1st year review, plans for the 2nd year
 - Jan 2008: Prepare activity transition for EGEE-III
- Gender Action Plan
 - 2 Grids for kids days held (CERN & STFC)
 - 1 shadowing day held (CERN)
- Sustainability
 - EGEE has been the driving force behind the EGI Design Study project



Enabling Grids for E-sciencE



Scheduled = 21539 Running = 25374

EGEE is THE largest multi-disciplinary research Grid infrastructure in the world

Built a scalable operations model:

2x users

2x applications

4x cores

6x CPU usage

1

Scientific Impact:
Drug discovery
Earth science
Fusion

21:13:50 UTC

Network of collaborations:
10x increase in visits to website/month
3x increase in business contacts
Trained > 3000 people

Interoperation with OSG (USA) and NDGF (Nordic countries)

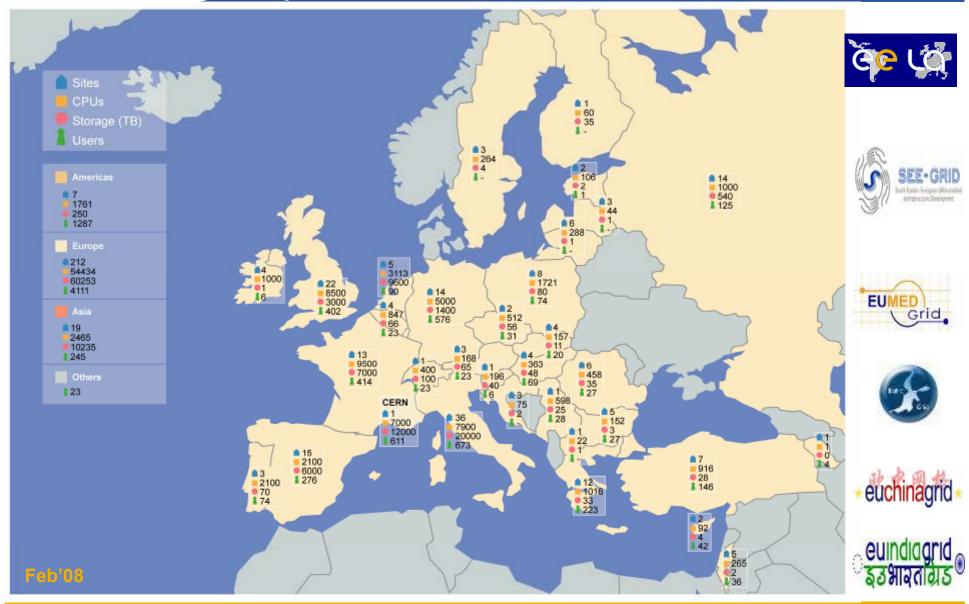
Excellent involvement of Asian partners





Users and resources distribution

Enabling Grids for E-sciencE



9



Deliverables and milestones

- Effective review procedure in place (JRA2)
 - Activity → nominated reviewers → PEB → PMB
- All PM13-PM25 deliverables submitted
 - "lessons learnt" section added to 15 deliverables
 - All milestones achieved and documented by the end of the period
- The recommendations from the 1st year review have been addressed and documented (DNA1.2.2)



Provisional Financial Status

Enabling Grids for E-sciencE

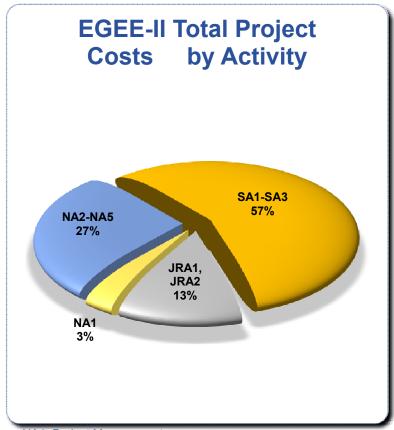
104 Form C's received so far (out of 119)

- Total Costs: 55,588,637 EUR (excluding cost of computing resources provided by partners → estimated at 50 million EUR)
 - 24,161,421 EUR Period 1
 - 31,427,216 EUR Period 2
 - 2.98M EUR over total cost budget (5.7%)
- Total Requested Contribution as shown on the partners' Form C's: 38,509,048 EUR
 - 16,530,669 EUR Period 1
 - 21,978,378 EUR Period 2 (including 1 month extension)
 - 1,537,684 EUR over budgeted Max. EC Contribution (4%)
- Personnel is 91% of total costs
- All costs and effort are cross checked against work performed



Provisional Financial Status

Enabling Grids for E-sciencE



NA1: Project Management

NA2: Dissemination, Outreach and Communication

NA3: Training and Induction

NA4: Application Identification and Support

NA5: Policy and International Cooperation

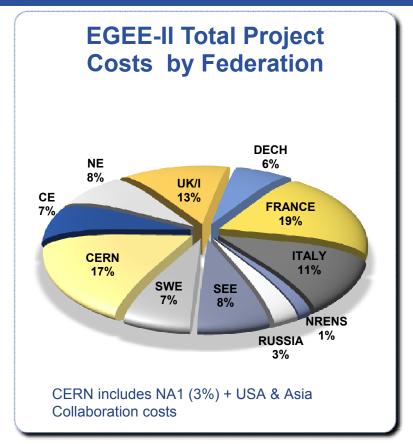
SA1: Grid Operations, Support and Management

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JRA1: Middleware Re-engineering

JRA2: Quality Assurance



CE: Austria, Croatia, Czech Republic, Hungary, Poland, Slovakia, Slovenia

NE: Belgium, Denmark, Finland, Netherlands, Norway, Sweden

UK/I: United Kingdom & Ireland DECH: Germany & Switzerland

NRENS: National Research and Education Networks

SWE: Portugal & Spain

SEE: Bulgaria, Cyprus, Greece, Israel, Romania, Serbia, Turkey

Asia (Korea & Taiwan) & USA: No funded effort only travel money



Provisional Financial Status

Enabling Grids for E-sciencE

Most overspending partners

	Budget Consumption	Overspent by (k EUR)
CNRS	126%	1,505
STFC	124%	983
CGG Services	165%	329

Most under-spending partners

	Budget Consumption	Under-spent by (k EUR)
ICI	62%	224
FZK	90%	168
GSI	69%	137

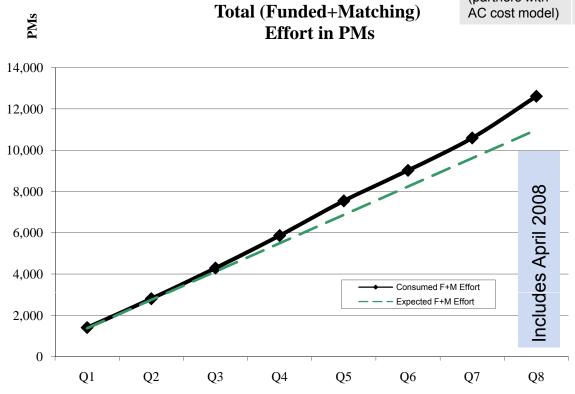


Effort Consumption

Enabling Grids for E-sciencE

- •1419 members registered
- 526 FTEs (115% of total PMs budget)

	Budgeted PMs	Actual PMs	Difference	% Consumpti on of budget
Funded	8106	9288	1182	115%
Matching (partners with AC cost model)	2879	3324	445	115%



Legend:

• F: Funded effort

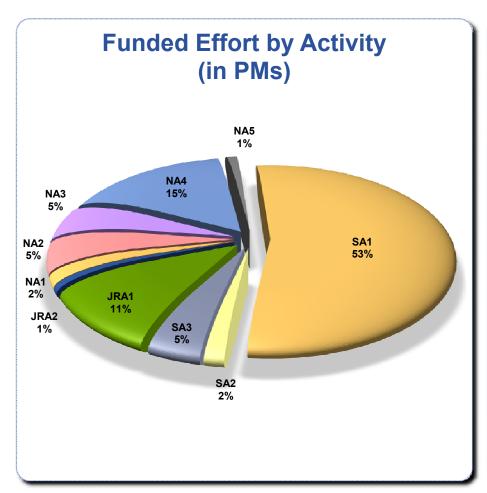
M: Matching effort

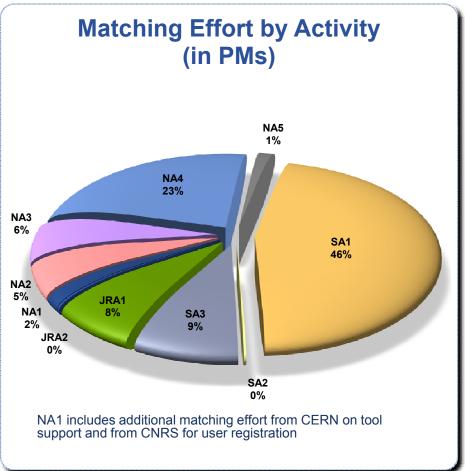
PM: Person Months

• FTE: Full time equiv.



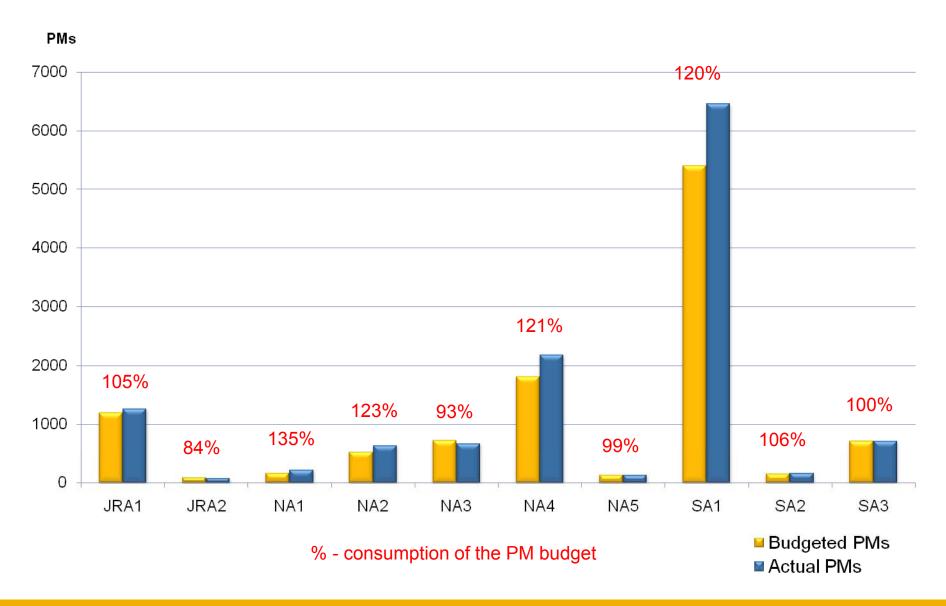
Funded and Matching Effort







Total Effort by Activity





NA1 Issues

Enabling Grids for E-sciencE

Manpower

- High turnover (short term contracts): issues of staff retention
 - Partially addressed via the Collaboration Board for the future
- 7 out of 10 activities changed manager during the 2nd year
 - In some cases this was in preparation for the transition to EGEE-III

Consortium Size

- Financial reporting difficult to achieve in short timeframe
 - Internal quarterly cost estimates provided early indications
 - Provisional financial statement provided at this review
- Difficult to monitor tasks of ALL partners in ALL activities
 - Partner/activity reviews have helped to reduce this issue

Activity-specific issues are addressed in the corresponding presentations



Summary

- EGEE-II has completed successfully and has produced important results
 - All deliverables have been produced and milestones met

Metrics	Targets at end of Year 1	Targets at end of Year 2	Status at the end of the project
Number of users	1750	2100	>9000
Number of people benefiting from the existence of the EGEE infrastructure	4000	5000	10000s
Number of application domains making use of the EGEE infrastructure	7	8	10
Number of organisations making use of the EGEE infrastructure	75	100	~140
Number of languages in which material is available	10	12	Up to 15
Number of attendees trained	750	1500	3079
Dissemination events in which EGEE-II is represented	200	400	622

Metrics	Targets at end of Year 1	Targets at end of Year 2	Status at the end of the project
Peak number of jobs running simultaneously	9000	12000	46000
Number of sites certified as production quality	180	200	255
Percentage of sites certified as production quality	60%	80%	90%
Number of countries connected to the EGEE infrastructure	40	45	49