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Enabling Grids for E-sciencE

EGEE-II Status

Bob Jones – Project Director - CERN

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

www.eu-egee.org

Information Society
and Media

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- **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

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Tuesday

Status of the project – *Bob Jones*
Technical Status – *Erwin Laure*

Applications – *Cal Loomis*
Dissemination – *Sy Holsinger*

Operations – *Maite Barroso*
Interoperability –
Quality Assurance – *Gabriel Zaquine*

Demos – *Massimo Lamanna et al.*
Networking Support – *Xavier Jeannin*

Wednesday

Middleware Re-engineering – *Francesco Giacomini*
Integration, Testing and Certification – *Markus Schulz*
**Software metrics**

Training – *Robin McConnell*
Policy & Collab. – *Panagiotis Louridas*
Plans beyond EGEE-II – *Bob Jones*

Closed session
Feedback from reviewers
Cocktail

The focus is the 2nd year achievements, follow-up of recommendations from the 1st year review

- **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**

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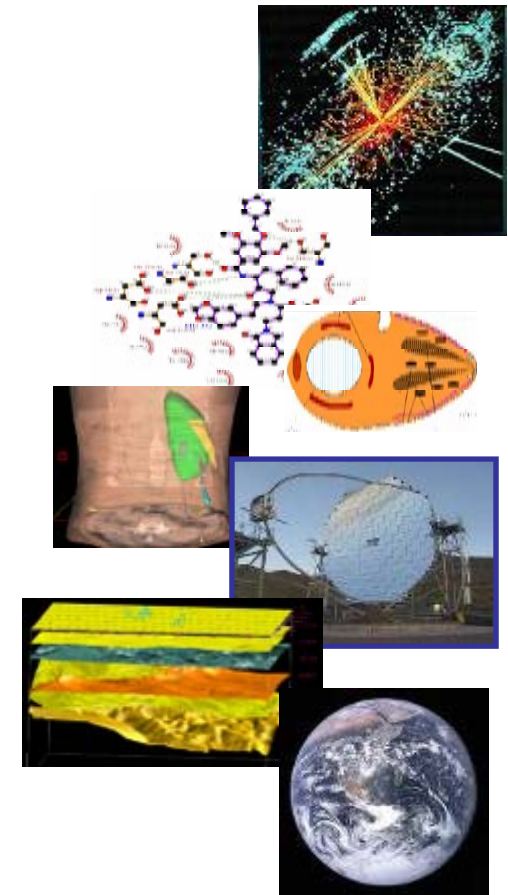
Networking

NA1: Project Management

NA2: Dissemination, Outreach and Communication

NA3: Training and Induction

NA4: Application Identification and Support
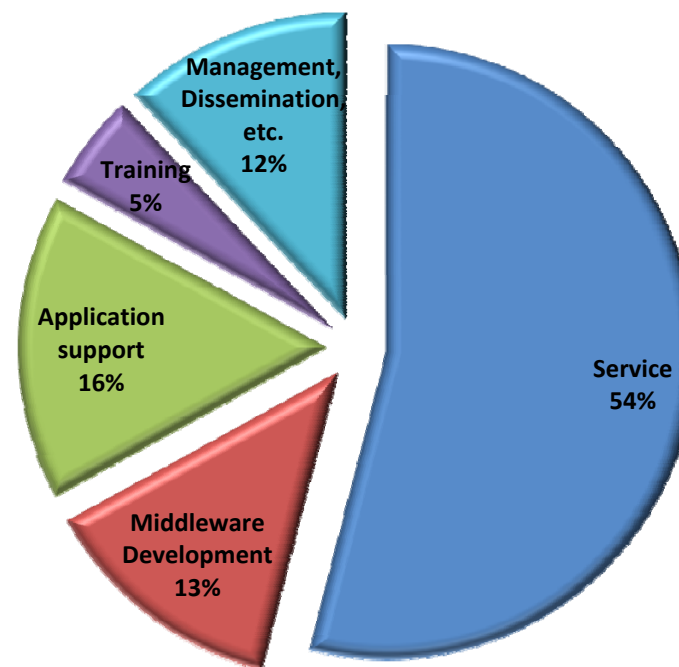
NA5: Policy and International Cooperation

Services

SA1: Grid Operations, Support and Management

SA2: Networking Support

SA3: Integration, Testing and Certification
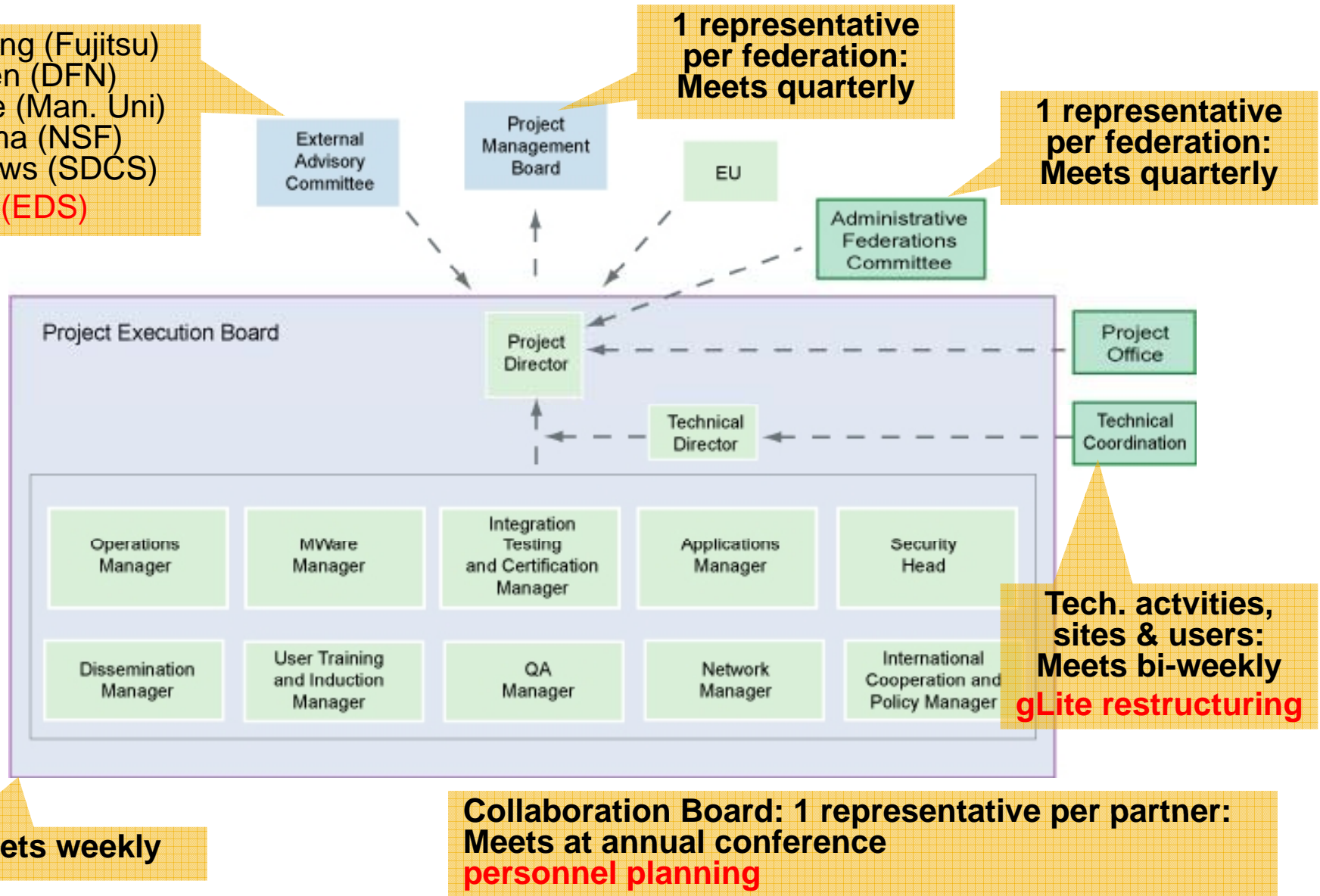
Joint Research

JRA1: Middleware Re-engineering

JRA2: Quality Assurance

EGEE Project Activities

Management, Dissemination, etc. 12%

Training 5%

Application support 16%

Middleware Development 13%

Service 54%

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D. Snelling (Fujitsu)
E. Jessen (DFN)
C. Goble (Man. Uni)
F. Darema (NSF)
P. Andrews (SDCS)
R. Kubli (EDS)

1 representative per federation: Meets quarterly

1 representative per federation: Meets quarterly

External Advisory Committee

Project Management Board

EU

Administrative Federations Committee

Project Execution Board

Project Director

Project Office

Technical Director

Technical Coordination

Operations Manager

MWare Manager

Integration Testing and Certification Manager

Applications Manager

Security Head

Dissemination Manager

User Training and Induction Manager

QA Manager

Network Manager

International Cooperation and Policy Manager

Tech. actvities, sites & users: Meets bi-weekly
gLite restructuring

Meets weekly

Collaboration Board: 1 representative per partner: Meets at annual conference
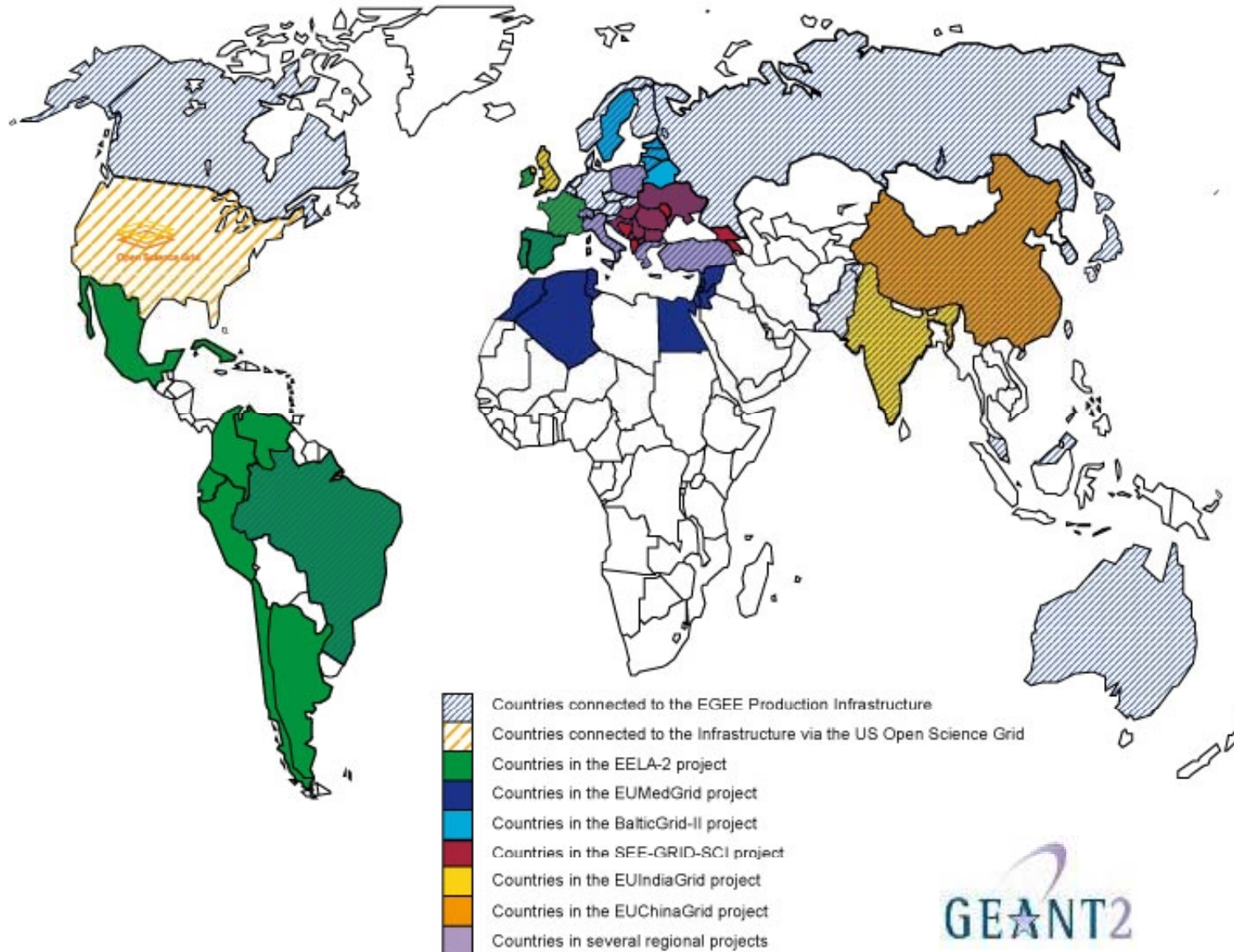**personnel planning**

- **3rd contact amendment**
  - Changes to legal status of consortium members

- **4th contract amendment**
  - Request extension for 1 month
  - Add partner Trust.IT to consortium, from 1 January 2008 (NA2)
  - Replace CS Systemes d'Informations SA with BT Infrastructures Critiques

- **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)

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- **Creation of the e-Infrastructure Policy Group**
  - EGEE (EU)
  - DEISA (EU)
  - NAREGI (Japan)
  - TeraGrid (US)
  - OSG (US)
  - Authentication, Authorization, Accounting, and Auditing (AAAA) are seen as the areas of highest priority for aligning policies across the Infrastructures.

- **Driving force behind the successful EGI_DS proposal**
- **Produced the Clouds vs. Grids paper**

24 projects have registered as on February 2007: web page

Infrastructures

geographical or thematic coverage

UPDATE

Applications

improved services for academia, industry and the public

Support Actions

key complementary functions

Countries connected to the EGEE Production Infrastructure

Countries connected to the Infrastructure via the US Open Science Grid

Countries in the EELA-2 project

Countries in the EUMedGrid project

Countries in the BalticGrid-II project

Countries in the SEE-GRID-SCI project

Countries in the EUIndiaGrid project

Countries in the EUChinaGrid project

Countries in several regional projects

- EGEE07
- 3rd user forum

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625 participants from 47 countries

86 sessions with 275 talks, 12 live demos and 39 posters

~50 collaborating projects/ organizations present

egee'07
www-eu.egee.org/egee07
1-5 October'07, Budapest

EGEE'08
Istanbul (Turkey)
22-26 Sept'08

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eGee USER FORUM

Clermont-Ferrand (FR)
11-14 February 2008
contact: egee-uf3@healthgrid.org
website: www.eu-egee.org

>310 participants, >100 presentations, 19 demos, 37 posters

eGee
Enabling Grids for E-sciencE

- **All accepted abstracts published in a book**
    - with analysis, summaries, indices

- **Authors considered for submission of full papers to Computer Science/Grid Journals:**
    - Journal of Grid Computing (Springer)
   - Future Generation Computer Systems (Elsevier)

ISBN 978-92-9083-303-1

http://doc.cern.ch//archive/electronic/egee/tr/egee-tr-2007-002.pdf

iSGTW INTERNATIONAL SCIENCE GRID THIS WEEK

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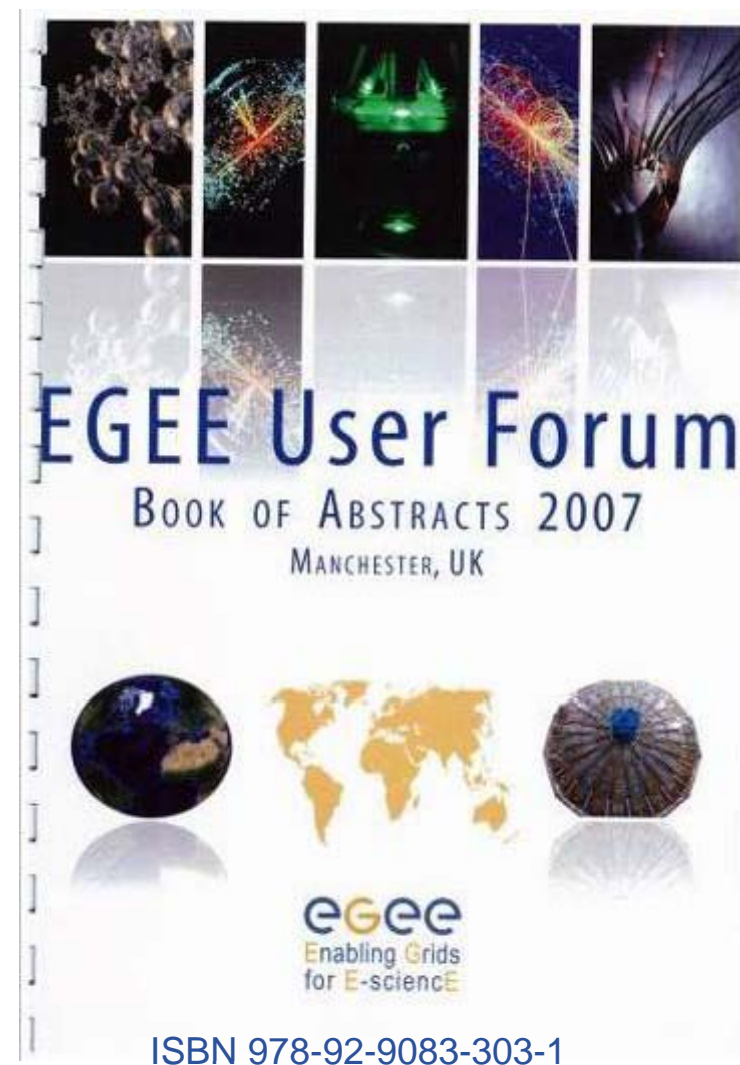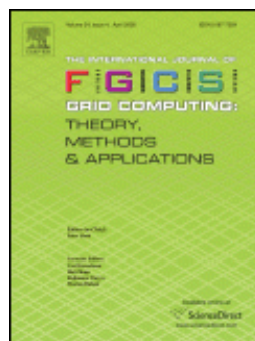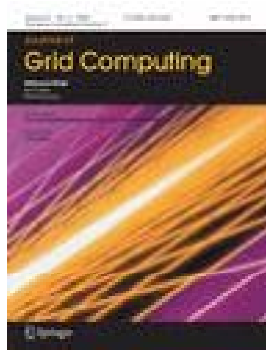
- **International Science Grid This Week**

  "*iSGTW* shares stories of grid-empowered science and scientific discoveries from around the world"

  - *Weekly on-line information about science grids*
  - *More than 3,200 subscribers*
  - *Send me* your *news,* your *announcements,* your *profiles*

    …raise your visibility in the grid community…

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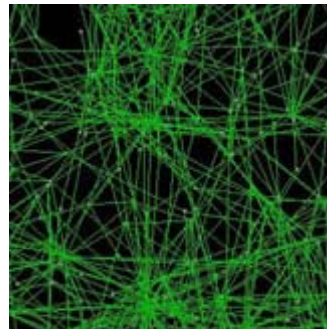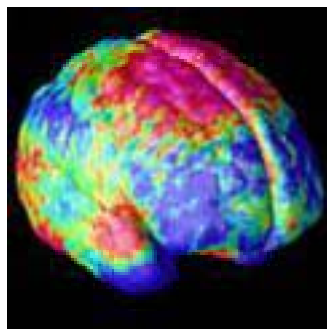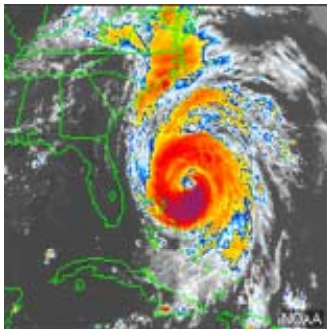
- **Effective review procedure in place (JRA2)**

- **All PM13-PM25 deliverables submitted**
  - …
  - "lessons learnt" section added to 15 deliverables

- **… contract amendments :**
  - …

- **All Activity meetings:**
  - July 2007: preparation of the second year work plans for the activities and responses to the reviewer recommendations
  - January 2008: finalization of the program of work and preparation of the transition of activities to EGEE-III

- **Overall financial status:**
  - 22,084,582 € requested in first period
    - 42% of project budget (EC and partner funding) 52,608,105€
    - Based on (data as of 10 May):
      - *63 audited Forms C (75%),*
      - *13 Internal Costs Claims covering Q1-Q4 (15%)*
      - *8 Internal Cost Claims for the period Q1-Q2/Q3 (10%).*

      UPDATE
    - Final report due before the end of the month

- **5,837 Person Months consumed**
  - 53% of total budgeted Person Months

- Over 1100 members registered
- 486 FTEs (53% of total budget)

- **8448 Funded PM (52% of Funded PM budget)**
- **3216 PM Matching (56% matching PM budget)**

Total (F+Matching) Effort in PM

UPDATE
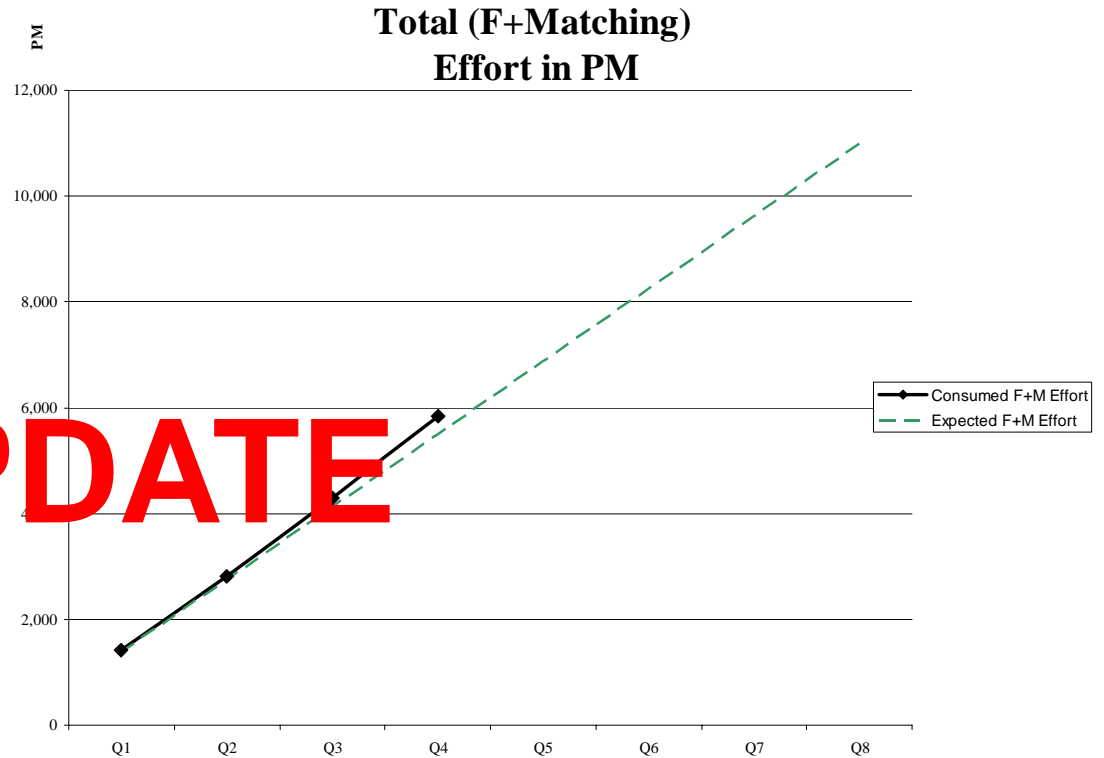
Legend:
- **F: Funded effort**
- **M: Matching effort**
- **PM: Person Months**
- **FTE: Full time equiv.**

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Manpower

- Late signature of contract meant a loss of manpower in some institutes at the start of the project (due to employment contract continuity issues)

- Unassigned manpower in some activities – discussed and mitigated at PMB level
  - Key people often have responsibilities in multiple projects
  - 1100 people working on EGEE-II but only 77 working full-time

- High turnover (short term contracts): issues of staff retention

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Consortium Size

- 91 contractors and a further 48 JRU members

- Financial reporting difficult to achieve in short timeframe

- Communication between management and project members
  - Monthly Director's letters
  - Newsletters

- Difficult to monitor tasks of ALL partners in ALL activities
  - Intend to expand on partners reviews in 2nd year
    - *(see SA1 and JRA2 presentations)*

Activity-specific issues are addressed in the corresponding presentations

- **EGEE-II has completed successfully and has produced 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**

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

- **EGEE is actively supporting a wide range of discipline-specific projects**

- **EGEE has led the way in building a consistent European view of grid infrastructure via a number of related projects and international collaborations**