



Enabling Grids for E-science

EGEE-II Status

Bob Jones – Project Director - CERN

EGEE-II 1st EU Review (CERN)

15-16 May 2007

www.eu-egee.org



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

Tuesday

Status of the project – *Bob Jones*

Technical Status – *Erwin Laure*

Applications – *Cal Loomis*

Dissemination – *Hannelore Hämmerle*

Operations – *Ian Bird*

Networking Support – *Matthieu Goutelle*

Demos – *Massimo Lamanna et al.*

Training – *Brendan Hamill*

Wednesday

Integration, Testing and Certification

– *Markus Schulz*

Middleware Re-engineering – *Claudio Grandi*

EGEE and Business – *Sy Holsinger*

Quality Assurance – *Gabriel Zaquine*

Policy & Collab. – *Panagiotis Louridas*

Future plans – *Bob Jones*

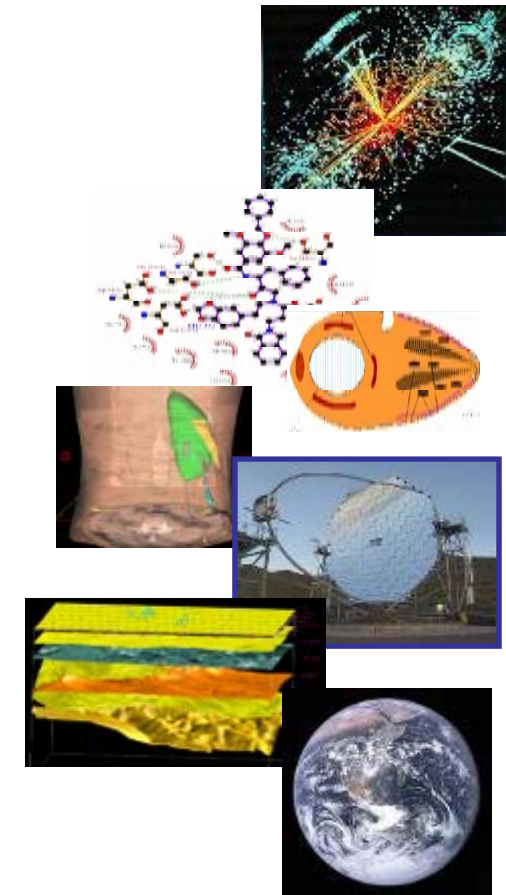
Closed session

Feedback from reviewers

Cocktail

The focus is the 1st year achievements and follow-up of recommendations from the final EGEE 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**



Networking

- NA1: Project Management
- NA2: Dissemination, Outreach and Communication
- NA3: Training and Induction
- NA4: Application Identification and Support
- NA5: Policy and International Cooperation

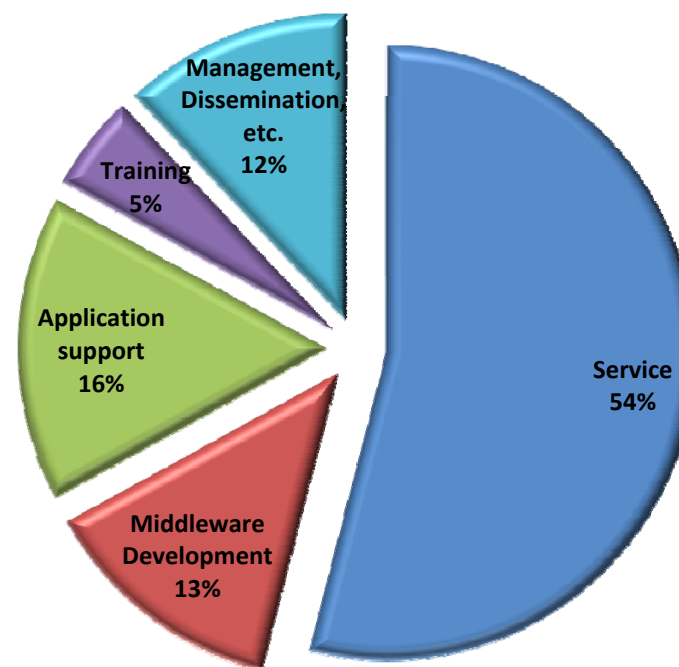
Services

- 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



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

External
Advisory
Committee

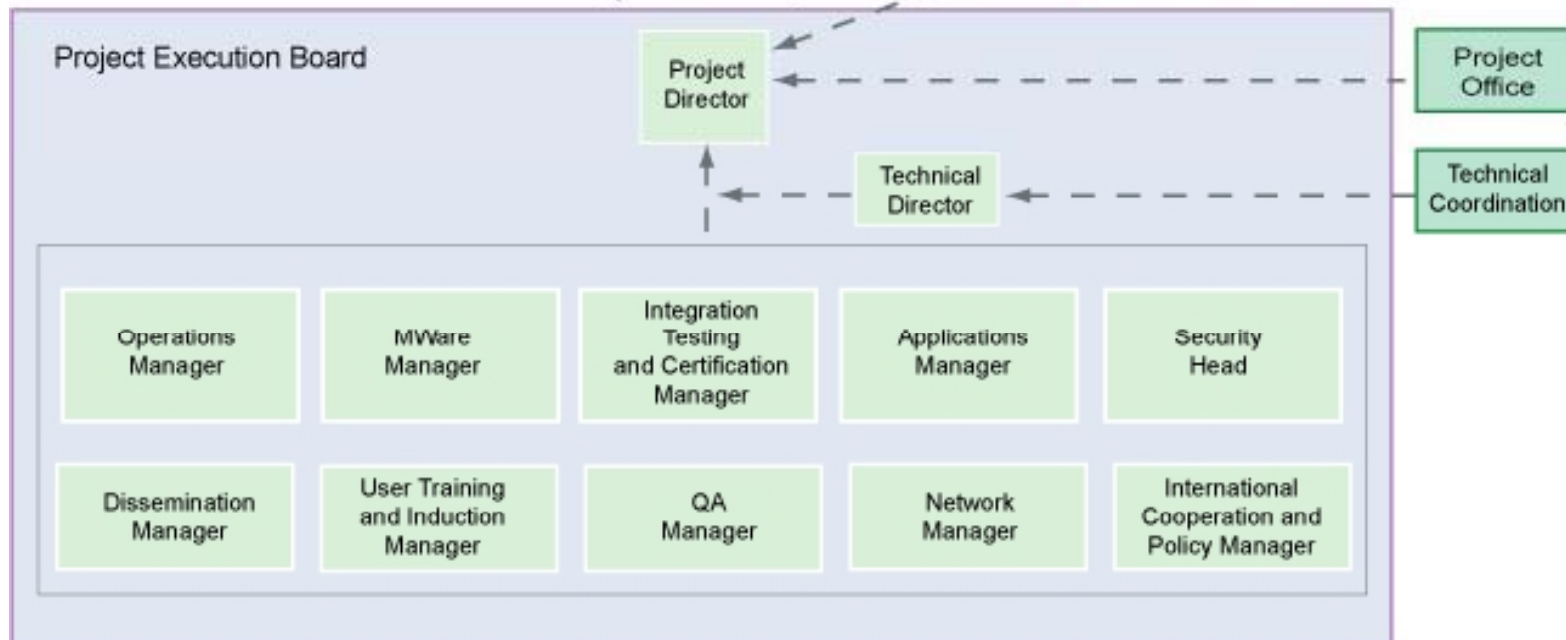
Project
Management
Board

**1 representative
per federation:
Meets quarterly**

EU

Administrative
Federations
Committee

**1 representative
per federation:
Meets quarterly**



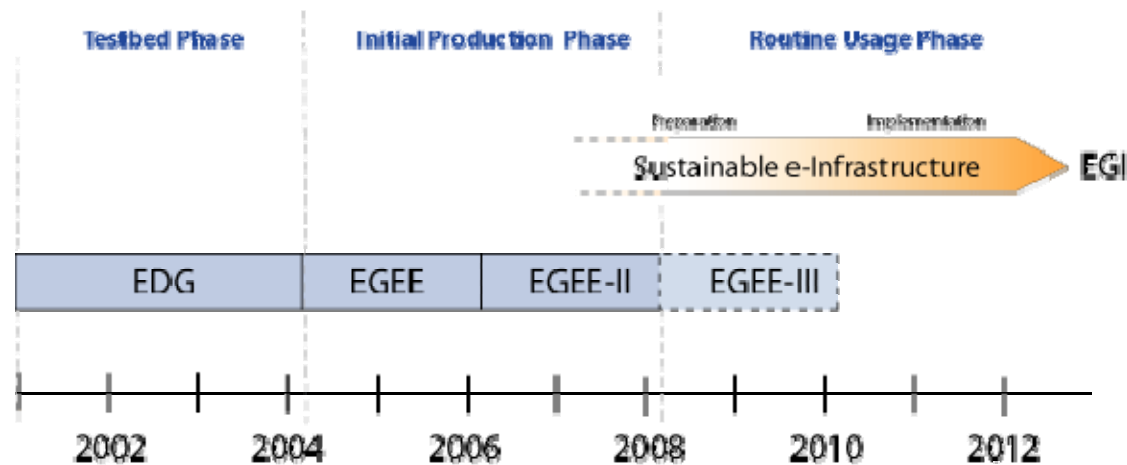
Meets weekly

**Collaboration Board: 1 representative per partner:
Meets at conference & user forum**

- **Transition meeting – April 2006 at CERN**
 - Smooth transition between EGEE and EGEE-II, 20 new partners, 1 new activity
 - All boards and procedures in place from the outset
 - A model for other EU grid infrastructure projects (e.g. EELA)
- **Set up of a common fund (1% from all partners' budget)**
 - Support for long term sustainability plans
 - Related Projects Liaison Office
 - iSGTW newsletter editor
 - Common media work (stands at events, video updates, dissemination material)
 - Additional security manpower

- **Escalation procedure put in place to help improve responsiveness of partners**
- **gLite restructuring task force in place to address portability issues**
- **EGEE conference and User Forum are now multi-project events**
 - EGEE'06, Geneva, September 2006: Business track, attendance by numerous related project and users of the Grid
- **EGEE is the driving force behind preparations for a sustainable grid infrastructure in Europe**

- Need to prepare permanent, common **Grid infrastructure**
- Ensure the long-term sustainability of the European e-infrastructure independent of short project funding cycles
- Coordinate the integration and interaction between National Grid Infrastructures (NGIs)
- Operate the European level of the production Grid infrastructure for a wide range of scientific disciplines to link NGIs

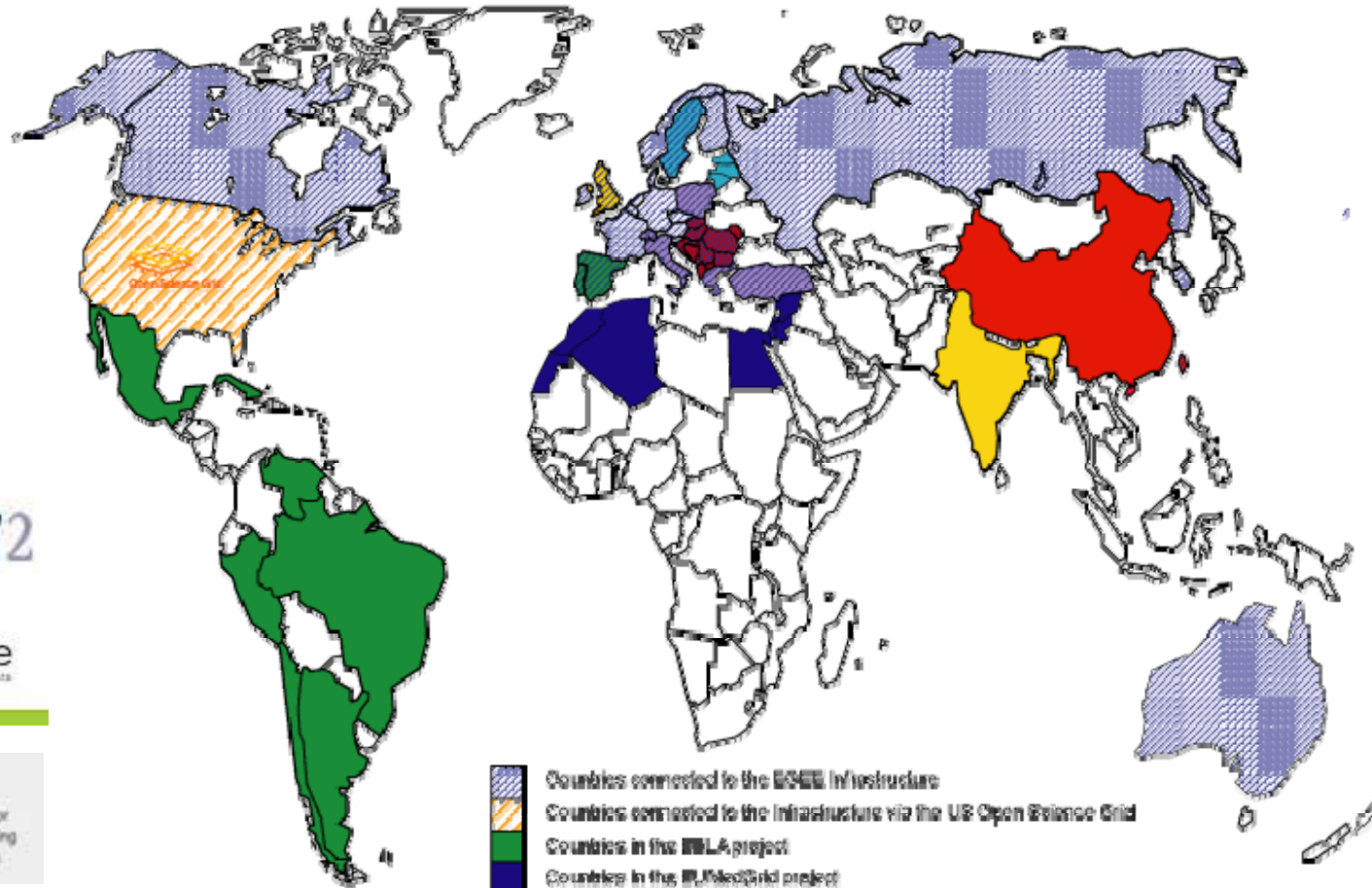


- **30-31 January 06, Thoiry (France) - EGEE Project Management Board;**
- **10 March 06, Kassel, (Germany)**
- **28 March 06, Barcelona (Spain)**
 - France, Portugal, Spain
- **19 April 06, Athens (Greece)**
 - Bulgaria, Cyprus, Greece, Israel, Romania, Serbia, Turkey;
- **26 April 06, Vilnius (Lithuania)**
 - Estonia, Finland, Latvia, Lithuania, Poland, Sweden
- **28 April 06, Paris (France)**
 - TERENA NREN-Grid workshop
- **29 April 06, Lisbon (Portugal)**
- **26 September 07, Geneva (Switzerland)**
 - NGI workshop @ EGEE06 conference
- **12 January 07, Oslo (Norway)**
 - Norway, Sweden, Finland, Denmark
- **19 January 07, Reading (UK)**
- **16 February 07, Amsterdam (Netherlands)**
 - Netherlands, Belgium, Luxemburg
- **27 February 07, Munich (Germany)**
 - EGI workshop

Presentations also made at European Commission events, eIRG workshops as well as in Asia (Taipei) and US (Seattle & San Diego),

24 projects have registered as on February 2007: [web page](#)





-  Countries connected to the EGEE infrastructure
-  Countries connected to the infrastructure via the US Open Science Grid
-  Countries in the IBLA project
-  Countries in the EU4Grid project
-  Countries in the EulGrid project
-  Countries in the SIL-GRID project
-  Countries in the EUIndiaGrid project
-  Countries in the EUChinaGrid project
-  Countries in several regional projects

www.eu-egee.org/uf2 
Enabling Grids for E-science
EGEE USER FORUM
9 - 11 MAY 2007 MANCHESTER (UK)



Co-located with OGF20:

900+ attendees

~50 booths

user forum:

~30 sessions

100+ presentations

20 demos

~60 posters

- **Project management has ensured that the recommendations made at final EGEE review have been taken into account in the first year of EGEE-II**
 - Documented in Periodic Report
 - Balance application requirements vs. technology opportunities:
 - Technical Coordination Group, Collaborating projects, marked increase in the use of the Infrastructure by new application domains
 - Assess impact factors towards the future and demonstrate persistence of the production Grid infrastructure:
 - Long term sustainability plans, increased work with industry, business and new application domains
 - Invest in staff retention
 - Awareness at institute level, feedback received from partners to ensure staff and experience retention, limitations of temporary contracts

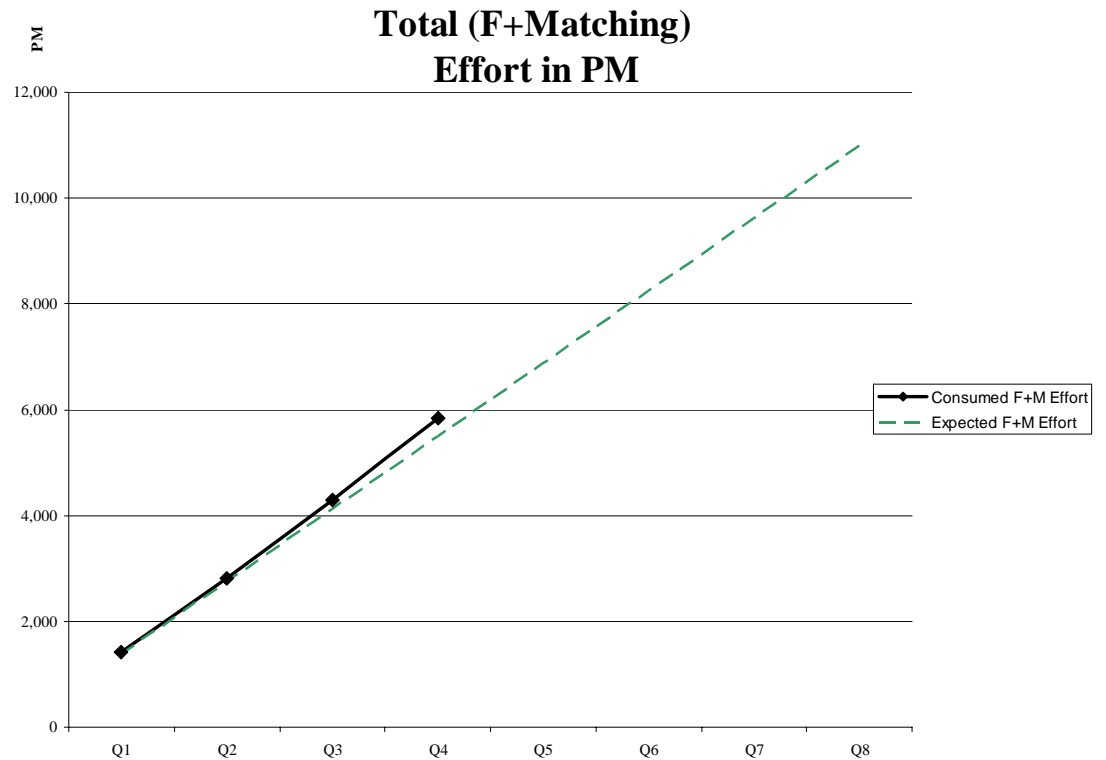
- **Effective review procedure in place (JRA2)**
- **All PM1-PM12 deliverables submitted**
 - Rescheduled DNA3.2 (Commercial Survey) to PM15 (delay in finding suitable company)
 - 4th quarterly report merged with periodic report for rationalisation purposes
- **First contract amendment signed in November:**
 - Administrative formalities addressed; no changes to the Programme of Work
- **All Activity meetings:**
 - August 2006: Follow-up of final EGEE review recommendations and EGEE'06 conference preparation
 - January 2007: Focus on Middleware and its re-structuring. Several parallel sessions on technical progress

- **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%).
 - 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)



Legend:

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

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

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 started successfully and has produced results**
 - All activities are operational
 - Effective management structures in place
 - Exceeded most of the targets defined for the first year
- **All deliverables have been produced and major milestones met**
- **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**