



Enabling Grids for E-science

Status of the Project

Bob Jones, Project Director, CERN

EGEE 2nd EU review

6-7/12/2005

www.eu-egee.org



- **General Status of the project, providing an overview of:**
 - Review Agenda
 - Project Achievements
 - Management Structure
 - Deliverables/milestones, contract status
 - Project-wide issues
 - Financial status
 - Manpower levels
 - Plans until the end of the project

Tuesday

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

DATAMAT – *Federico Rossi/Stefano Beco*
Grid operations – *Ian Bird*

Security – *Ake Edlund*
Training – *David Fergusson*
Applications – *Vincent Breton*

Demos – *Marc-Elian Begin, Ignacio
Blanquet, Ladislav Hluchy, Viet Tran*
Networking – *Kostas Kavoussanakis*

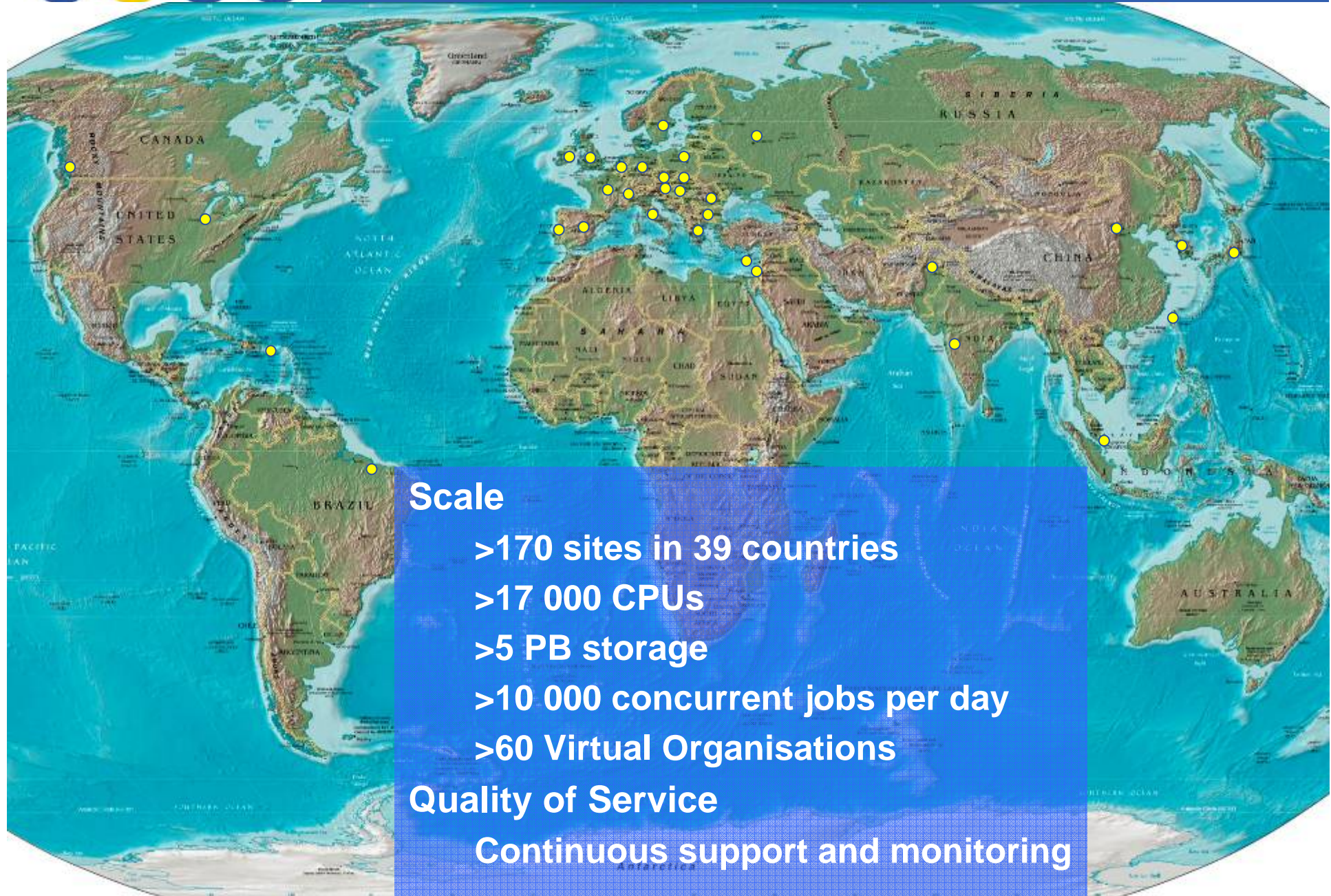
Wednesday

Middleware – *Frédéric Hemmer*
Software Quality – *Alberto Di Meglio*
Quality Assurance – *Gabriel Zaquine*

Dissemination – *Joanne Barnett*
International Policy – *Fotis Karayannis*
Future Plans – *Dieter Kranzlmüller*
Conclusions – *Bob Jones*

Closed session

Feedback from reviewers



>20 applications from 7 domains

- High Energy Physics
- Biomedicine
- Earth Sciences
- Computational Chemistry
- Astronomy
- Geo-Physics
- Financial Simulation



Another 8 applications from 4 domains are in evaluation stage

Now at gLite release 1.4

- Focus on basic services, easy installation and management
- Industry friendly open source license
- Several gLite components already in production usage
- Roadmap established for full deployment and usage



- Activity success stories published
- Appeal of material greatly improved
- EGEE presented and promoted at over 300 events
- Project Conferences are now seen as key European grid events that bring together many projects



- Many training events arranged around the world for users, application developers and site managers



- **Operational interface between EGEE and Networks (GÉANT2/NRENs) with trials performed**
- **End-to-end Service Level Agreement (SLAs) defined**
- **Network Performance Monitoring (NPM) standard interface developed and adopted**
- **Bandwidth Allocation and Reservation architecture defined and interfaces implemented**

Unique collaboration with GÉANT2



Active across all activities

- **Quality Assurance**

- Detailed analysis of operations and middleware has been performed and used to improve the services, middleware and processes
- The Metrics programme is in active use in all activities and periodically refined

- **Security**

- Support for security related software modules in gLite
- Successful work of Security groups (policy & middleware) on security infrastructure with other
- EUGridPMA leading partner in the establishment and first chair of International Grid Trust Federation (IGTF)
- Assessment of accounting infrastructure and analysis of what is missing to provide secure quota-based resource access

- **International cooperation activities:**

- Support to the e-Infrastructures Reflection Group (e-IRG) defining grid policies across Europe and beyond
- “Concertation” with other EU projects
 - Participated and contributed to many concertation-type events
 - Working groups
 - *Extended EGEE Security related groups (MWSG/JSPG) to other projects*
 - Joint deliverables & events (DEISA, DILIGENT) and 14 Letters of Support for RI and IST projects
- Reinforced cooperation with other geographical areas (in middleware, operations, training and dissemination)
 - USA, Japan, South Korea, China, Taipei, India



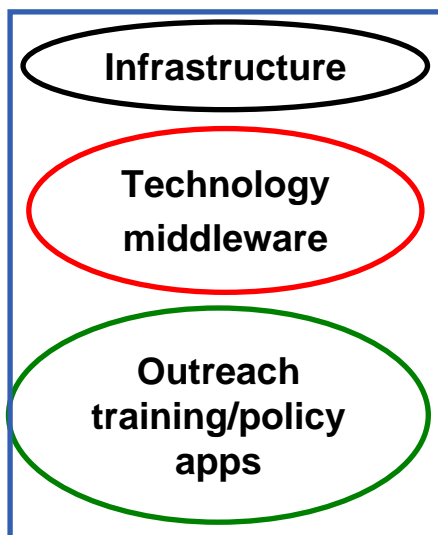
- **Standards activities**

- Members EGEE are actively contributing to 11 GGF working groups and occupy important leadership roles as area managers and security (IGTF)

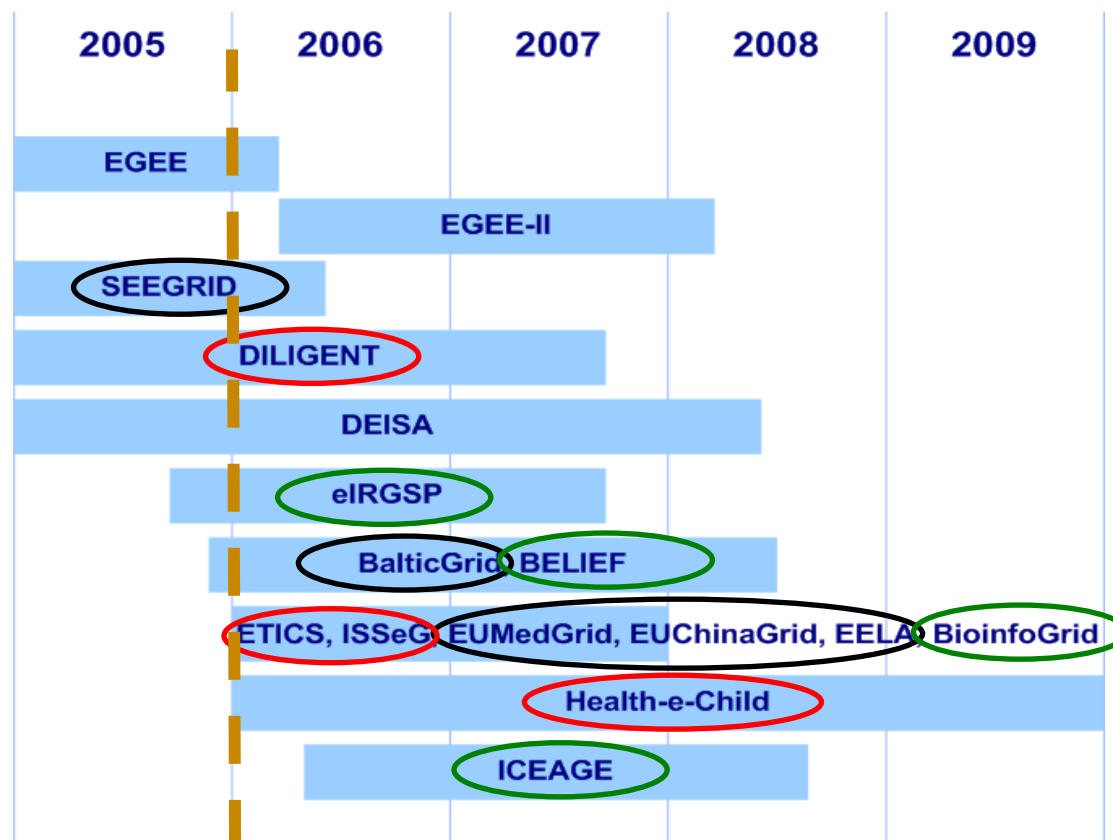


EGEE as incubator & supporter of related projects

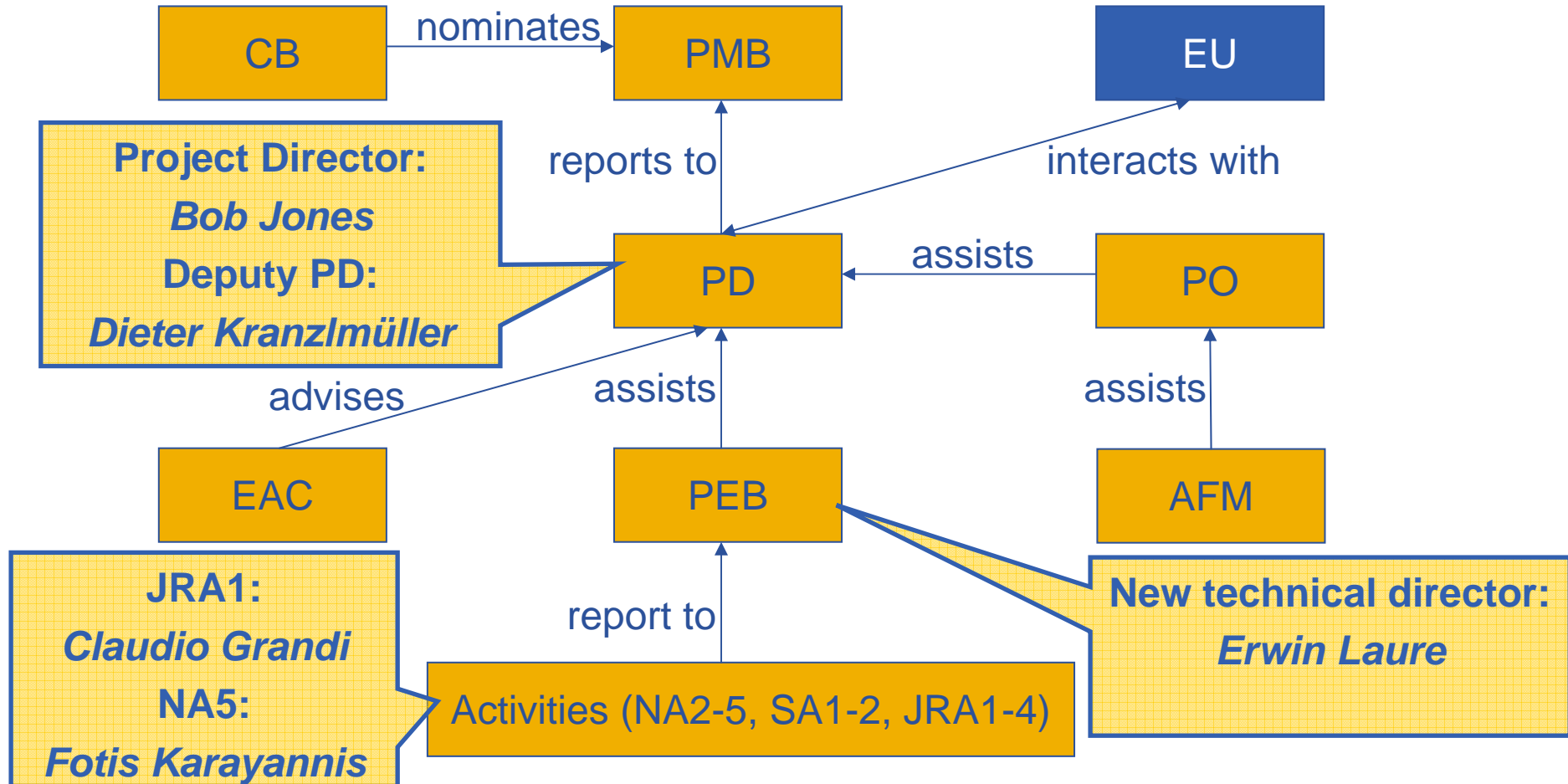
Links to EGEE/EGEE-II



Links to EUIndiaGrid
& OMII-Europe also expected



Heavy load on EGEE to help with the start-up of these projects



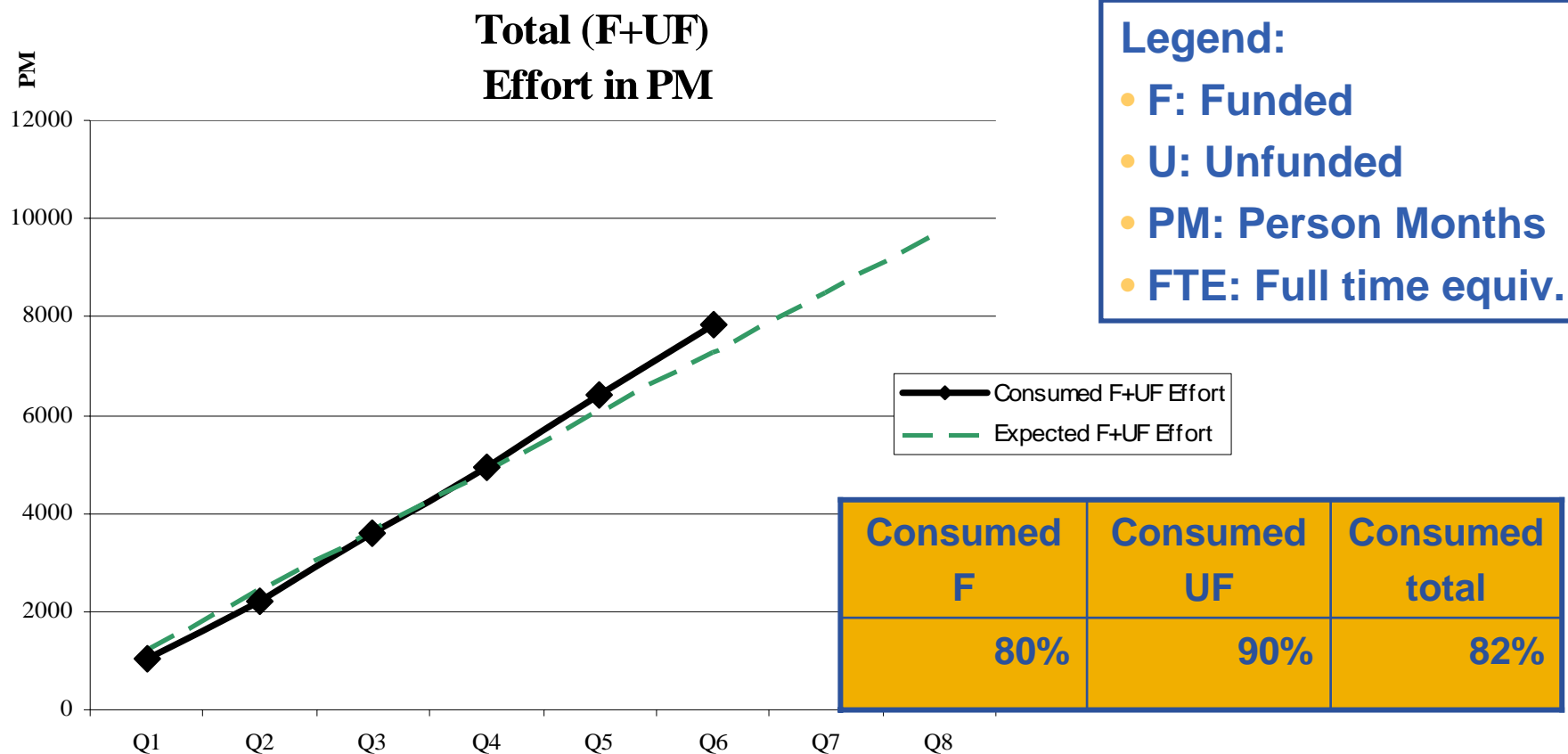
AFM Admin. Federation Meeting
 CB Collaboration Board
 EAC External Advisory Committee
 EU European Union

PD Project Director
 PEB Project Executive Board
 PMB Project management Board
 PO Project Office

- **All 36 deliverables/milestones PM10-18 produced/achieved**
 - submitted to internal review process before delivery to EU
 - The rationalization of the reporting process recommended at the 1st EU review will have an effect on the 7th and 8th quarters
 - A number of deliverables have been combined and scheduled to maximize their impact
- **Second contract amendment accepted in July 2005:**
 - Updated plans for the remaining 15 months of the project
 - Modification of the reporting periods & payment modalities
 - Confirmation of seven Joint Research Units
- **Follow up of the first review and response to recommendations by the reviewers**

- **An internal cost claim exercise took place at the end of the sixth quarter (project month 18) - the estimated requested contribution for the consortium is 22 M€**
 - Approx. 91% of costs are personnel, 7% are travel, 2% materials and audit certificates
 - This represents 69% of the EU maximum contribution (31.867 M€)
- **An extrapolation to the end of the project indicates ~98% budget consumption**
 - Minor reallocations are planned until the end of the project (see later)

- Further refined PPT tool to monitor project effort consumption (timesheets)
 - Over 1000 people registered across Europe and Russia
 - Total equivalent of ~ 436 FTEs



- **Reallocation of effort**

- Middleware testing effort has increased since first review but is still less than we need
- Suggest to reassign some effort of partners active in SA1 to help with testing tasks taking into account the financial status and extrapolation presented earlier

- **Staff retention**

- EGEE was foreseen as part of a 4 year programme
- EGEE-II submitted in September with hearing held in November
- Expect to be invited for negotiations shortly
- Must have start date of 1st April to ensure continuation and staff retention
 - some staff have already resigned

- **Ensure that:**
 - Final deliverables and milestones (PM19 – PM24) are of high quality and delivered on time
 - Final reporting accounts for all project activities and issues over the 24 month period the project covered
 - Continue to encourage & assist the development of related projects
 - Ensure plans for follow-on are completed
 - Timeliness is important for staff retention
 - Preparation of book closing, final financial and effort reporting
 - Preparation of the final EU review in May 2006

- **EGEE is THE largest multi-disciplinary research grid infrastructure in the world**
- **EGEE has lead the way in building a consistent European view of grid infrastructure via a number of related projects and international collaborations**
- **Proposal for a second phase (EGEE-II) on-track**
 - Long-term sustainability discussed tomorrow

