



Enabling Grids for E-science

Introduction

EGEE/EGEE-II transition meeting

Bob Jones, EGEE-II Project Director

CERN

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www.eu-egee.org



Wednesday 12 April 2006		
9:00	Wednesday morning	
9:00	Introduction and presentation of the Project	Bob Jones
9:30	EGEE-II reporting procedures	Anna Cook & Dita Mocova
10:15	Coffee Break in 600-R-017	
10:45	Presentation of the PPT tool, time sheets and cost claims	Katarzyna Pokorska & Dita Mocova
11:30	Registration Procedures, computer accounts, access to CERN	Karin Burghauser & Marie-Laure Bourgeois-Schutz
12:00	Lunch	
14:00	Wednesday afternoon	
14:00	Technical and managerial reporting procedures, requirements and tools	Anna Cook
14:30	Presentation of templates and supporting documents	Anna Cook & Alistair Mills
15:00	Project dissemination and procedures	Owen Appleton
15:20	Coffee Break in 600-R-017	
15:50	Presentation of the EDMS interface and functionalities	David Widegren (EDMS group)
17:30	Aperitif in Restaurant 2	

Thursday 13 April 2006		
9:00	Thursday morning	
9:00	EGEE Programme of Work	Bob Jones
9:30	Technical Overview	Erwin Laure
10:00	SA1 – Grid operations	Ian Bird
10:30	Coffee Break in 600-R-017	
11:00	SA2 – Network provisioning	Mathieu Goutelle
11:15	SA3 – Middleware integration	Markus Schultz
11:45	JRA1 – Middleware re-engineering	Claudio Grandi
12:15	Lunch	
14:00	Thursday afternoon	
14:00	NA3 - Training	Malcolm Atkinson/ David Fergusson
14:15	NA4 – Application support	Cal Loomis
15:00	NA2 – Dissemination & outreach	Hannelore Hämmerle
15:15	Coffee Break in 600-R-017	
15:45	JRA2 - Quality Assurance and Security	Gabriel Zaquine
16:10	NA5 – Policy and cooperation	Fotis Karayannis
16:30	Related Projects	Dieter Kranzmueller
17:00	Discussions	

- **EGEE**

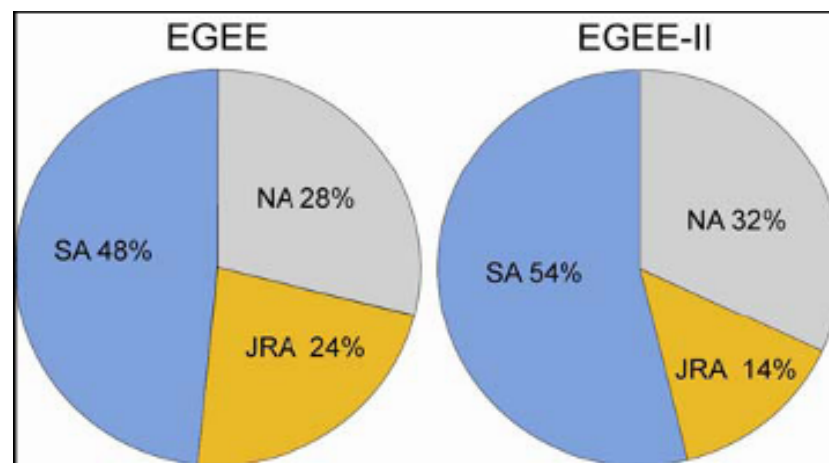
- 1 April 2004 – 31 March 2006
- 71 partners in 27 countries, federated in regional Grids

- **EGEE-II**

- 1 April 2006 – 31 March 2008
- 91 partners in 32 countries
- 13 Federations

- **Objectives**

- Large-scale, production-quality infrastructure for e-Science
- Attracting new resources and users from industry as well as science
- Improving and maintaining “gLite” Grid middleware

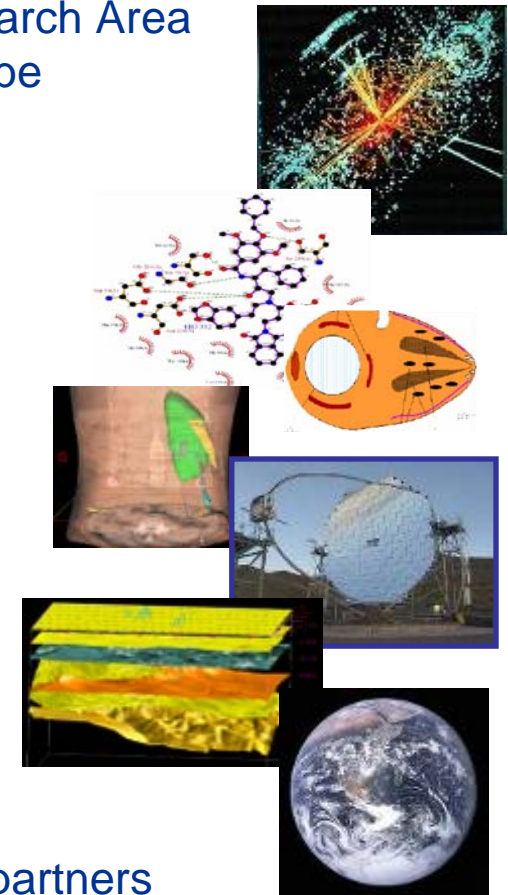


- **Infrastructure**
 - Manage and operate production Grid for European Research Area
 - Interoperate with e-Infrastructure projects around the globe
 - Contribute to Grid standardisation efforts

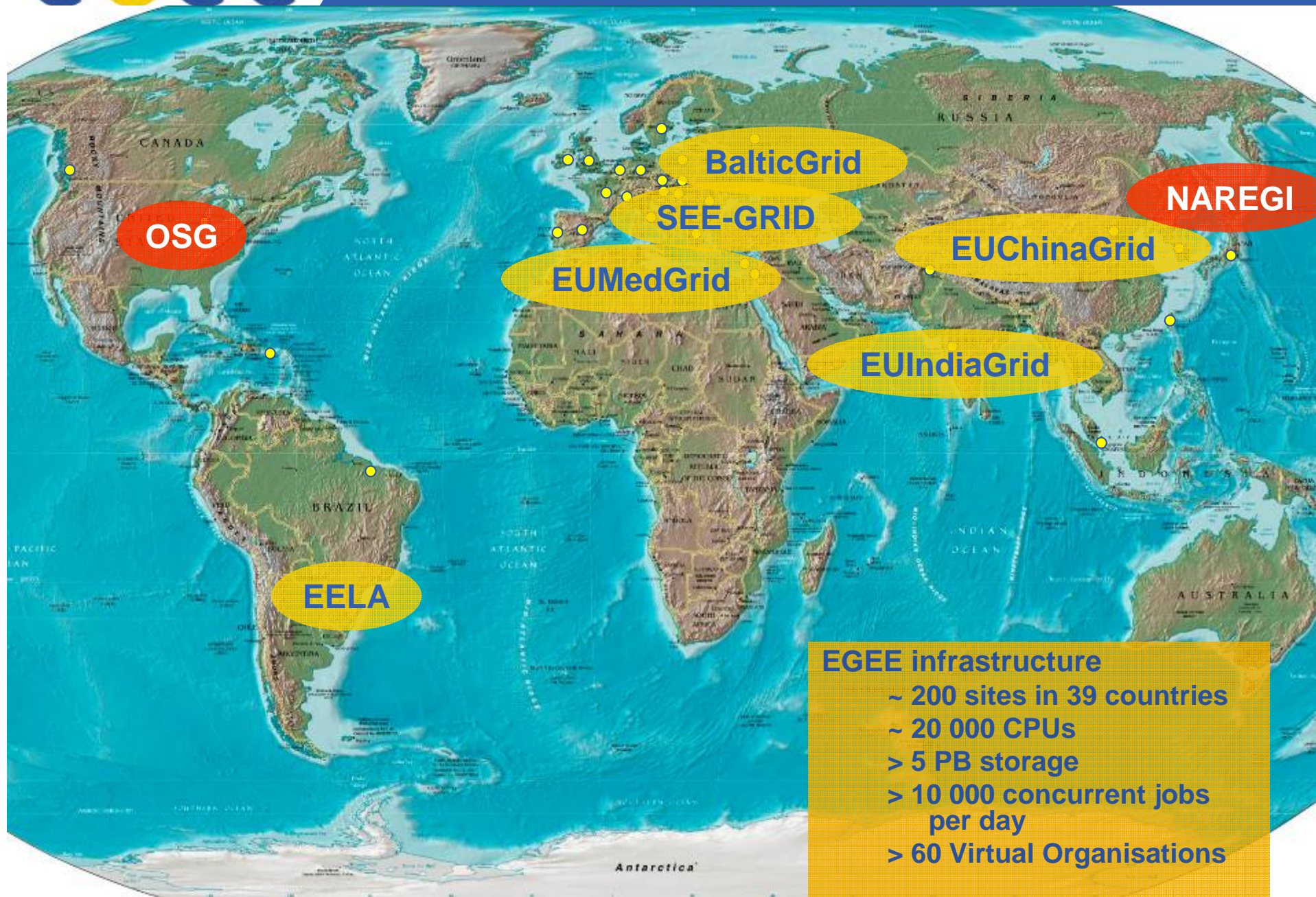
- **Support applications from diverse communities**
 - Astrophysics
 - Computational Chemistry
 - Earth Sciences
 - Finance
 - Fusion
 - Geophysics
 - High Energy Physics
 - Life Sciences
 - Multimedia
 - ...

- **Business**
 - Forge links with the full spectrum of interested business partners

- + **Disseminate knowledge about the Grid through training**
- + **Prepare for sustainable European Grid Infrastructure**



eGEE A global, federated e-Infrastructure



EGEE infrastructure

- ~ 200 sites in 39 countries
- ~ 20 000 CPUs
- > 5 PB storage
- > 10 000 concurrent jobs per day
- > 60 Virtual Organisations

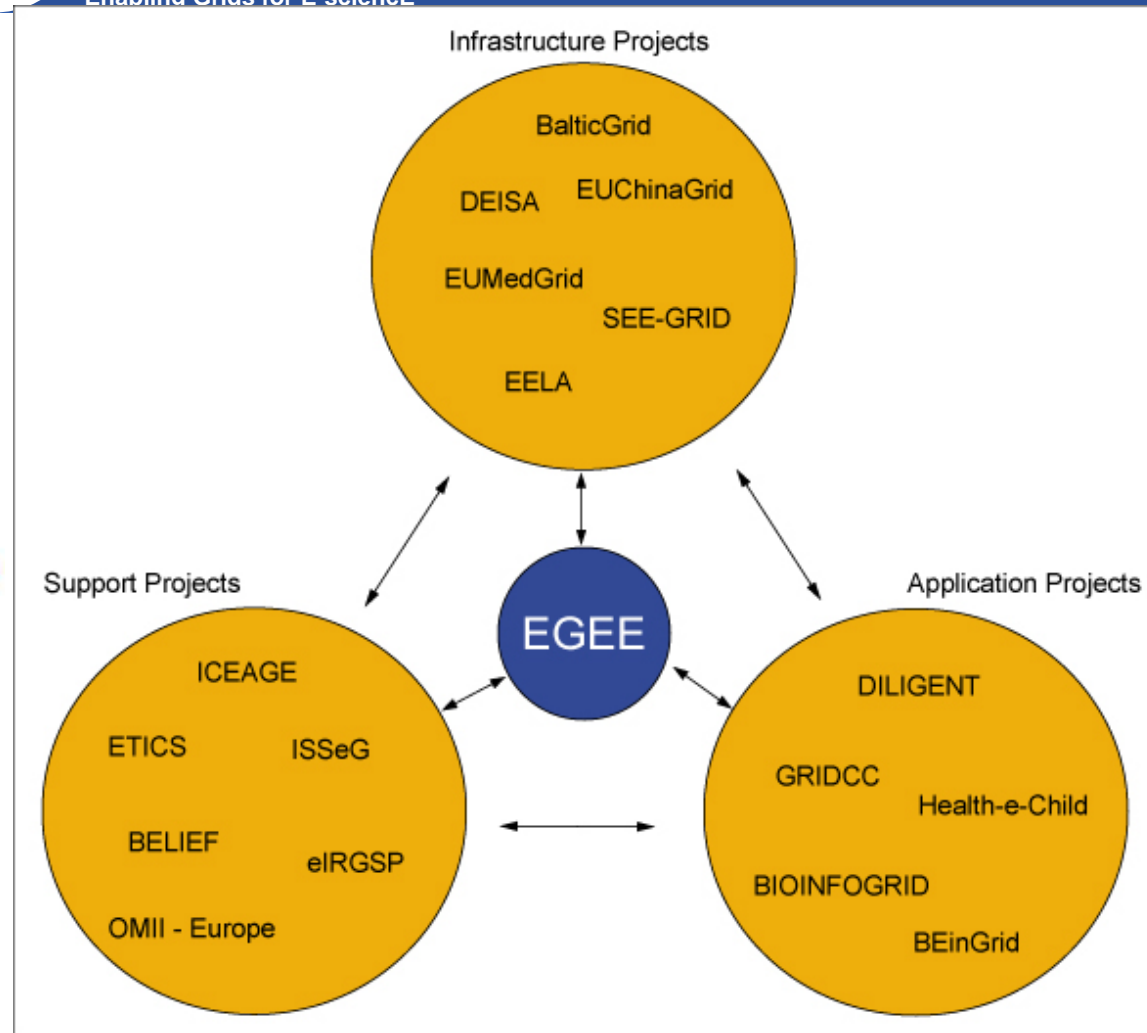
- **Infrastructure operation**
 - Currently includes >200 sites across 39 countries
 - Continuous monitoring of grid services in a distributed global infrastructure
 - Automated site configuration/management

- **Middleware**
 - Production quality middleware distributed under business friendly open source licence

- **User Support - *Managed process from first contact through to production usage***
 - Training
 - Documentation
 - Expertise in grid-enabling applications
 - Online helpdesk
 - Networking events (User Forum, Conferences etc.)

- **Future**
 - Expand on interoperability with related infrastructures





- **Industry Task Force**

- Group of industry partners in the project
- Links related industry projects (NESSI, BEinGRID, ...)
- Works with EGEE's Technical Coordination Group



- **Collaboration with CERN openlab project**

- IT industry partnerships for hardware and software development



- **EGEE Business Associates (EBA)**

- Companies sponsoring work on joint-interest subjects
 - Technical developments & Transfer of know-how and services to industry
 - Business modelling
 - Exploitation strategies & Market Surveys

- **Industry Forum**

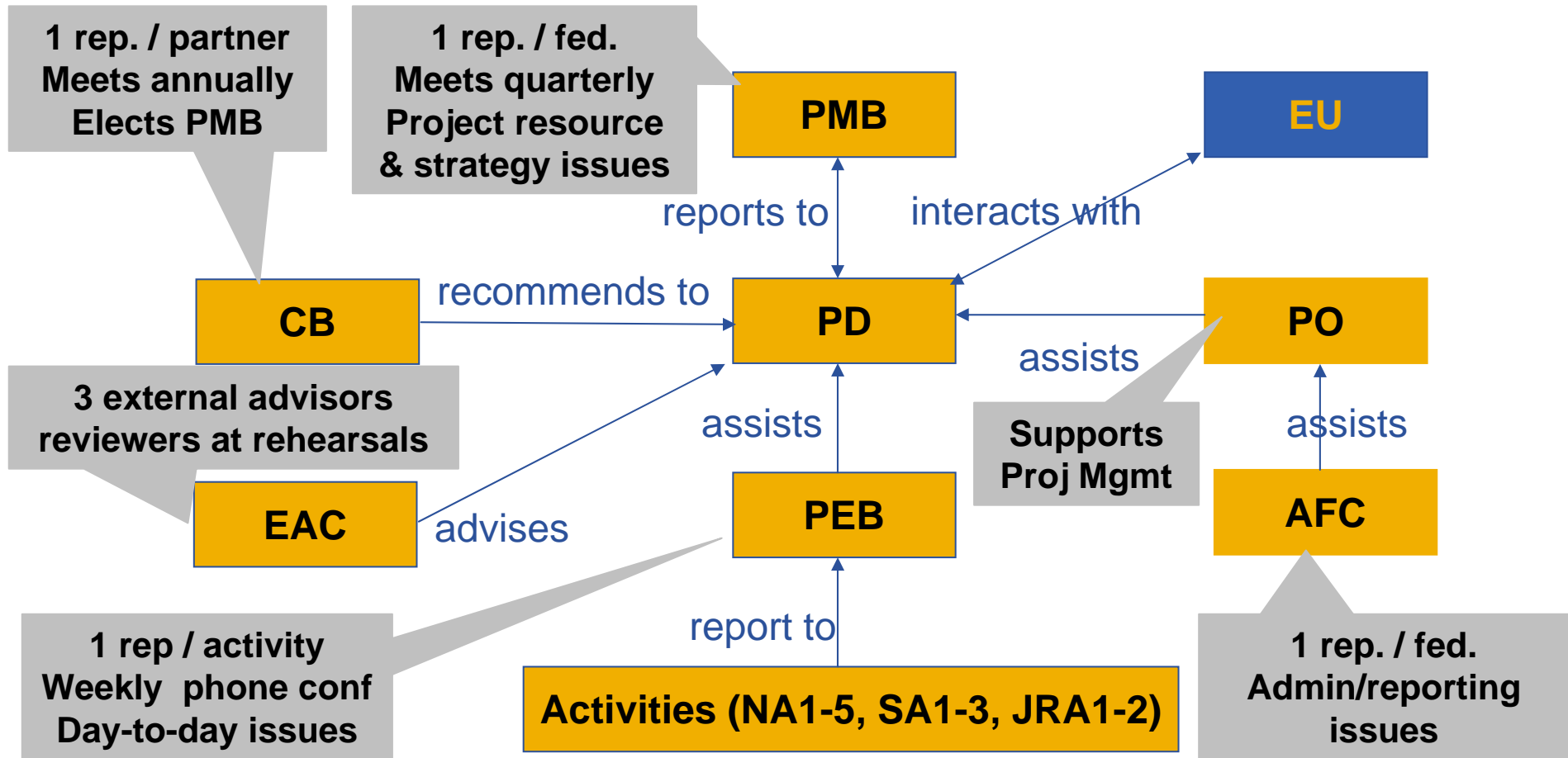
- Led by Industry to improve Grid take-up in Industry
- Organises industry events and disseminates grid information
 - Next event: Paris 27th April
<http://www.eu-egee.org/events/industryday/first-egee-industry-day/>
 - Further events across Europe are being planned



- **Contract with the European Commission**
 - Description of Work (i.e. technical programme of work) is annex to the contract

- **Consortium Agreement**

The operation of the consortium and work of the project is governed by these documents



CB	Collaboration Board
EAC	External Advisory Committee
EU	European Union
PD	Project Director

PEB	Project Execution Board
PMB	Project Management Board
PO	Project Office
AFC	Administrative Fed. Committee

Members	Alternates	Federations
W. von Rüden	F. Hemmer	CERN
G. Wormser, IN2P3/CNRS	J.I. Archimbaud, UREC-CNRS	France
R. Middleton CCLRC	N. Geddes, CCLRC	Ireland, UK
M. Kunze, FZK	MC Sawley CSCS	Germany, Switzerland
M. Mazzucato, INFN Padova	G. Maggi, INFN	Italy
CEGC Chair (rotating): L. Matyska, CESNET	I. Maric (6 months rotation)	Central-Europe (Austria, Croatia, Czech Republic, Hungary, Poland, Slovakia, Slovenia)
Per Öster, KTH	Jack Koester, UiB	Northern (Belgium, Denmark, Finland, Norway, Sweden, The Netherlands)
F. Karayannis, GRNET	Rotating alternate	South-East (Bulgaria, Cyprus, Greece, Israel, Romania, Serbia & Montenegro, Turkey)
M. Delfino, PIC	J. Salt	South-West (Spain, Portugal)
V. Ilyin, SINP MSU	A. Kryukov, SINP MSU	Russia
A. Blatecky, RENC1	M. Livny, UWISCON	USA
E. Valente, GARR	K. Ullmann, DFN	EU-NRENS
L. Robertson, CERN	C. Eck, CERN	LCG (non-voting member)
S. Lin, ASGC	J. Lee, KISTI Eric Yen (2nd alternate) (ASGC)	ASIA



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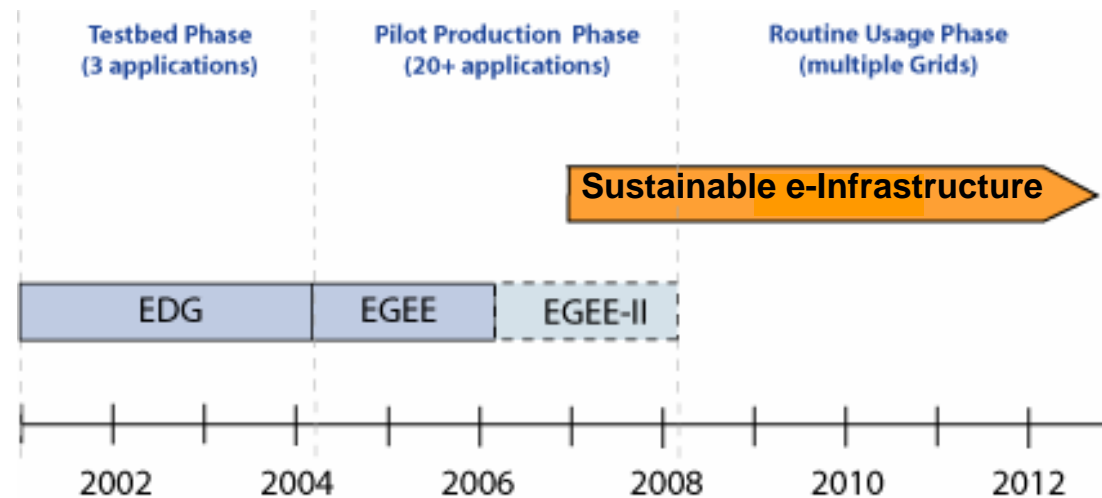
Project Execution Board (PEB)

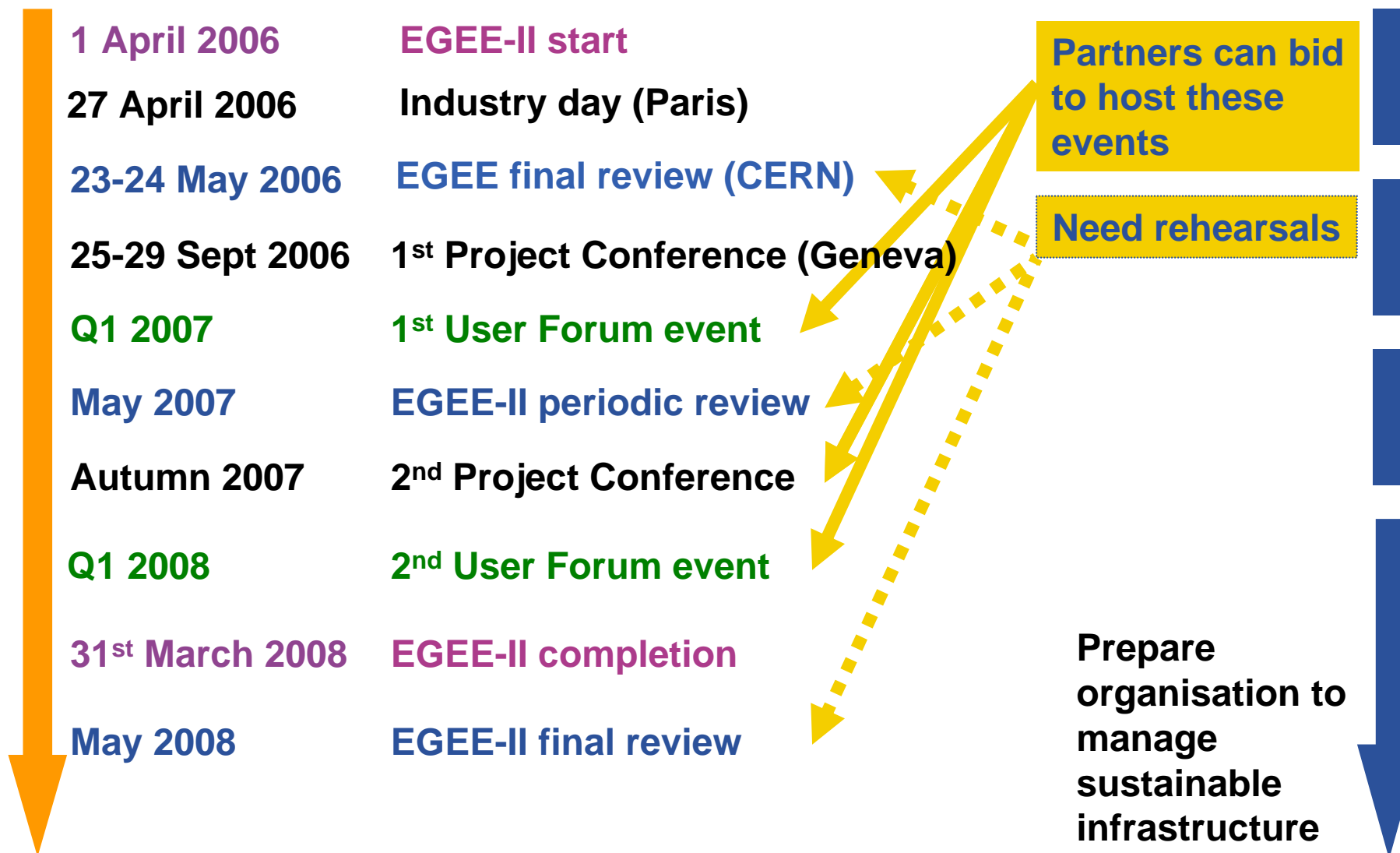
NA1	Project Director Deputy Technical Director Secretary	R. Jones D. Kranzmueller E. Laure K. Gunne
NA2	Dissemination, Outreach and Communication Manager Alternate	H. Hammerle O. Appleton
NA3	Training & Induction Manager	TBC
NA4	Applications, Identification & Support Manager Alternate	C.Loomis
NA5	Policy and International Cooperation Manager	TBC
SA1	Grid Operations, Support and Management Manager Alternate	I. Bird M. Barroso-Lopez
SA2	Networking Support Manager Alternate	M. Goutelle J.P Gautier
SA3	Integration, Testing and Certification Alternate	M. Schulz L. Field
JRA1	Middleware Re-engineering Manager Alternate	C. Grandi J. White
JRA2	Quality Assurance Manager Security Manager Alternate	G. Zaquine A. Edlund D. Kelsey

Federations Administrative Contacts	
CERN	A. Cook, D. Mocova
Central Europe (Austria, Croatia, Czech Republic, Hungary, Poland, Slovakia, Slovenia)	M. Polak
France	C. Bosaro
Germany and Switzerland	M. Kunze
Ireland and the United Kingdom	R. Middleton
Italy	G. Maggi
Northern Europe (Belgium, Denmark, Finland, The Netherlands, Norway, Sweden)	A. van Rijn
Russia	V. Ilyin
South-East Europe (Bulgaria, Cyprus, Greece, Israel, Romania, Serbia & Montenegro, Turkey)	A. Loukakou
South-West Europe (Portugal, Spain)	M.C. Porto
NRENS (National Research and Education Networks)	E. Valente
United States	M. Livny
Asia	TBC

- **Bob Jones** – *Project Director*
- **Dieter Kranzmueller** – *Deputy Project Director (until July'06)*
- **Erwin Laure** – *Technical Director*
- **Kristina Gunne** – *Directors' Assistant*
- **Anna Cook** – *Project Secretary*
- **Dita Mocova** – *Finance Officer*
- **Karin Burghauser** – *User registration and related projects*
- **Marie-Laure Bourgeois-Schutz** – *User registration and web admin*
- **Frank Harris** – *Network activities coordination*
- **Hannelore Hämmerle** – *NA2 activity manager*
- **Owen Appleton** – *NA2*
- **Jo Lawson** – *NA5*
- **Florida Estrella Cainglet, Roberta Faggian Marque** - *Related projects*
- **Yari Estublier** - *Intern*

- **Need to prepare for permanent Grid infrastructure**
 - Maintain Europe’s leading position in global science Grids
 - Ensure a reliable and adaptive support for all sciences
 - Independent of project funding cycles
 - Modelled on success of GÉANT
 - Infrastructure managed in collaboration with national grid initiatives





- **EGEE'06 – Capitalising on e-infrastructures**
 - Demos
 - Related Projects
 - Industry
 - International community (UN organisations in Geneva etc.)
- **25-29 September 2006**
- **Geneva, Switzerland**
- **Registration will start by the end of April!**

<http://www.cern.ch/egee-intranet/conferences/EGEE06>

Welcome to the key European Grid event of 2006!

- **EGEE Infrastructure – world’s largest multi-science production grid service**
- **EGEE-II is the opportunity to expand on this existing base both in terms of scale and usage**
- **Use this transition meeting as the occasion to meet your fellow partners and clarify any grey areas in the programme of work**
- **Need to prepare the long-term**
 - EGEE, related projects, national grid initiatives and user communities are working to define a model for a sustainable grid infrastructure that is independent of project cycles