



Enabling Grids for E-sciencE

Introduction

EGEE/EGEE-II transition meeting – day 2

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www.eu-egee.org







Agenda – Thursday

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 Kranzlmueller		
17:00	Discussions			



The EGEE project

Enabling Grids for E-sciencE

EGEE

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

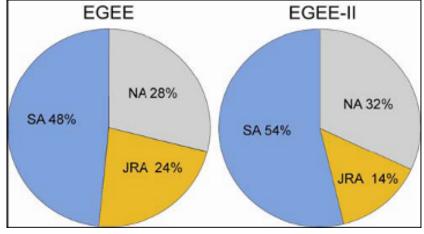
EGEE-II

- 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





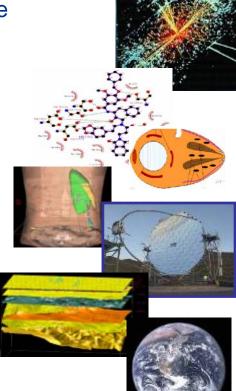


EGEE Mission

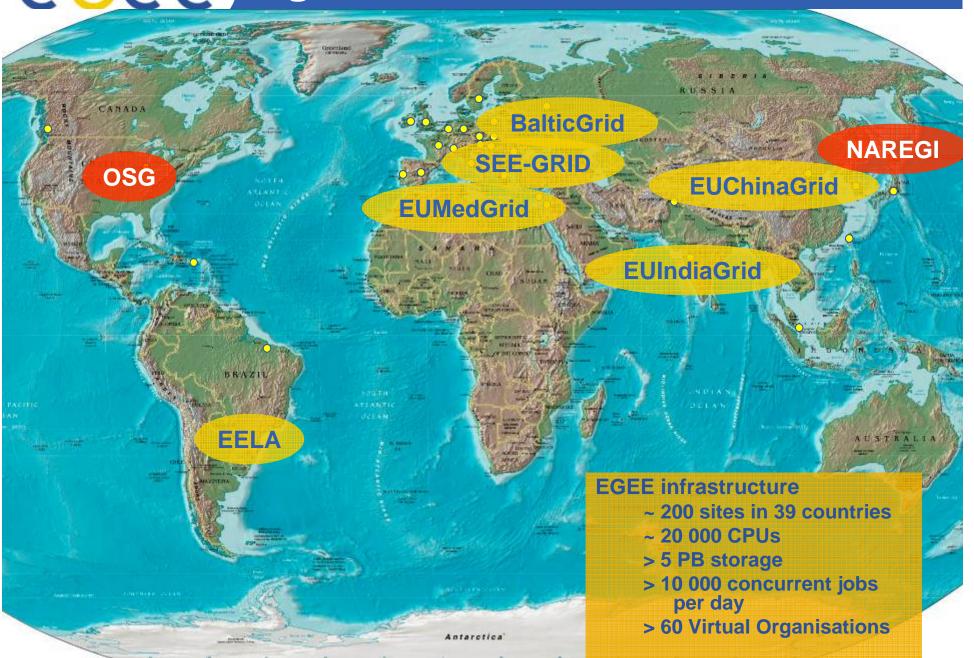
Enabling Grids for E-sciencE

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



CGC A global, federated e-Infrastructure





EGEE – What do we deliver?

- 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













New partners in EGEE-II

CSC, Finland	Imperial College, U.K.	
ETHZ, Switzerland	Switch, Switzerland	
ULB, Belgium	CIEMAT, Spain	
TID, Spain	IPB, Serbia and Montenegro	
TUBITAK, Turkey	FZJ, Germany	
UCM, Spain	UNIZAR, Spain	
CNR, Italy	ELETTRA, Italy	
Healthgrid, France	Metaware, Italy	
CNES, France	RUG, The Netherlands	
Glasgow University, U.K.	Manchester University, U.K.	
CKSC, Korea	KISTI, Korea	
ASGC, Taiwan	SRCE, Croatia	
RENCI, U.S.A	Oxford University, U.K.	

Gee6

Related EU projects

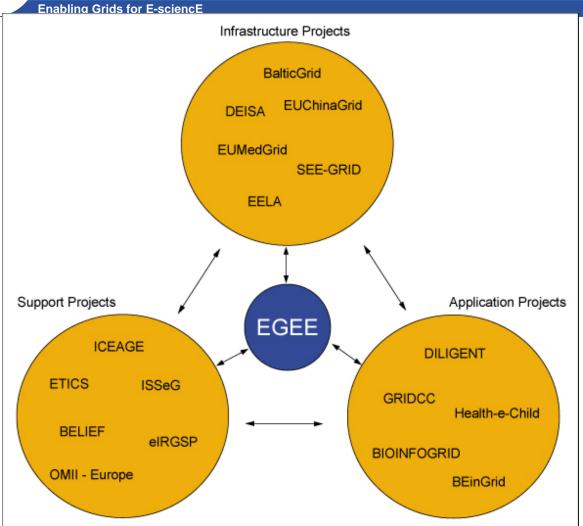


































Industry and EGEE-II

Enabling Grids for E-sciencE

Industry Task Force

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



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 <u>http://www.eu-egee.org/events/industryday/first-egee-industry-day/</u>
 - Further events across Europe are being planned





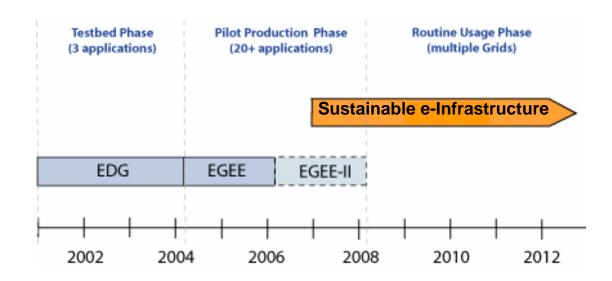
Project Execution Board (PEB)

NA1	Project Director Deputy Technical Director Secretary	R. Jones D. Kranzimueller 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



Sustainability: Beyond EGEE-II

- 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





Important EGEE-II events

Enabling Grids for E-sciencE

1 April 2006 EGEE-II start

27 April 2006 Industry day (Paris)

23-24 May 2006 EGEE final review (CERN)

25-29 Sept 2006 1st Project Conference (Geneva)

Q1 2007 1st User Forum event

May 2007 EGEE-II periodic review

Autumn 2007 2nd Project Conference

Q1 2008 2nd User Forum event

31st March 2008 EGEE-II completion

May 2008 EGEE-II final review

Partners can bid to host these events

Need rehearsals

Prepare organisation to manage sustainable infrastructure



EGEE'06 Conference

- EGEE'06 Capitalising on e-infrastructures
 - Demos
 - Related Projects
 - Industry
 - International community
- 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