

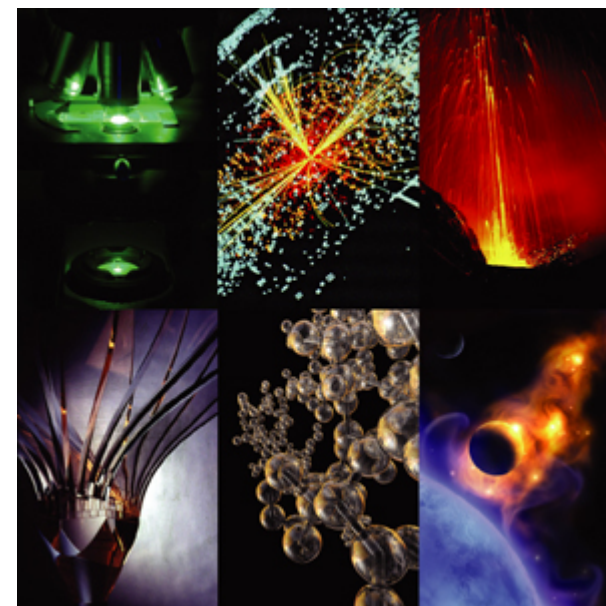


Enabling Grids for E-science

The EGEE User Forum – Setting the Scene

*Bob Jones
EGEE Project Director*

CERN, 1st March 2006



www.eu-egee.org

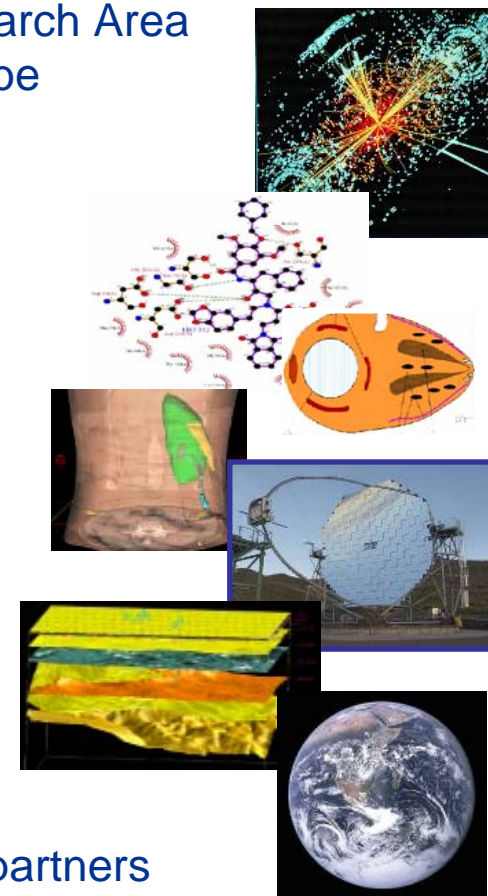


- **Infrastructure**
 - Manage and operate production Grid for European Research Area
 - Interoperate with e-Infrastructure projects around the globe
 - Contribute to Grid standardisation efforts

- **Support applications from diverse communities**
 - High Energy Physics
 - Biomedicine
 - Earth Sciences
 - Astrophysics
 - Computational Chemistry
 - Fusion
 - Geophysics
 - Finance, 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**



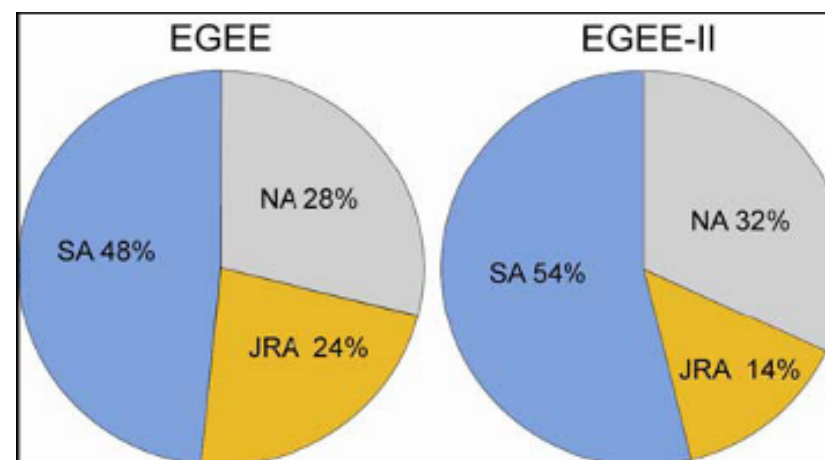
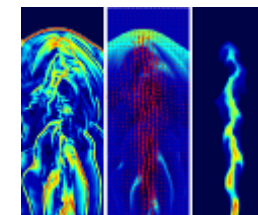
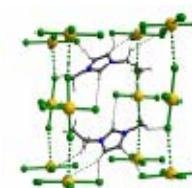
- **EGEE-II proposal submitted to the EU**

- Proposed start 1 April 2006



- **Natural continuation of EGEE**

- Expanded consortium
- Emphasis on providing an infrastructure
 - increased support for applications
 - interoperate with other infrastructures
 - more involvement from Industry



This is the first EGEE User Forum event

- **Bring together representatives from all the user communities working with the EGEE infrastructure**
- **Share experiences**
- **Meet the grid developers**
- **Set new targets for the future: shape EGEE-II and plans for a long-term sustainable infrastructure**
- **Provide your input on the infrastructure and middleware elements that are key to your work**

Your input is very important and will help drive the detailed programme of work for EGEE-II

- **Today**

- The Grid and the Biomedical community
 - Isabelle Magnin (INSERM Lyon)
- The Grid and the LHC experiments
 - Nick Brook (CERN and Bristol Univ)
- Experience integrating new applications in EGEE
 - Roberto Barbera (Univ of Catania & INFN)

Application experiences

- **Thursday (09:00)**

- The EGEE infrastructure
 - Ian Bird (CERN)
- gLite status and plans
 - Claudio Grandi (INFN Bologna)

Evolution of the EGEE multi-science infrastructure

- **Friday (09:00)**

- Summaries of the thematic sessions
 - F. Donno, H. Kornmaier, C. Loomis and J. Montagnat
- EGEE Technical Coordination Group
 - E. Laure (CERN)
- Long-term sustainability
 - D. Kranzmueller (Linz univ/CERN)
- Closure

Summary, EGEE-II and beyond

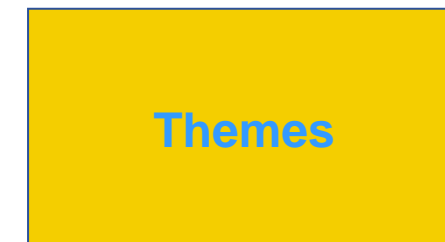
Special thanks to Chris Jones and the academic training people for room swap

- **All in bd. 40**
 - Today and tomorrow
 - Also the coffee breaks
 - Follow the yellow signs

- **Lunch – at your own cost**
 - Will be busy! Try the sandwich bar

- **4 parallel sessions today**
 - Life sciences
 - Fusion - Astroparticle - Particle physics
 - Earth observations - Archaeology - Digital Libraries
 - Computational chemistry - Lattice QCD - Finance

- **4 parallel sessions tomorrow**
 - Workload and workflow management
 - Data access on the grid
 - “Special types of jobs” and information systems
 - VO management and Portals



Bus Schedule EGEE User Forum 1-3 March

	From CERN	From Hotel
1-Mar	19:45	
2-Mar		
Farges		7:50
Bois Joly		8:20
Kyriad		8:30
Sofia		8:40
	19:30	
3-Mar		
Farges		7:50
Bois Joly		8:20
Kyriad		8:30
Sofia		8:40

Please note: If you miss the bus you are on your own and will have to pay a taxi to get to your hotel

The buses from CERN will leave from the Parking des Cèdres

- **About 90 abstracts submitted!**
 - A very impressive snapshot of the Grid user communities!
 - Many of the abstracts have been invited as oral, demos, or poster presentations

- **Demos and posters will be visible during the cocktail evening (today 18:30 – 19:30) and tomorrow (same time) after the parallel sessions**
 - In the area outside this room

- **ATLAS experiment**
 - The largest LHC experiment
 - Operation (with colliding beams) will start in about a year
 - Installation in the cavern very advanced (picture Nov 2005)



- **3 visits scheduled**
 - March 1st = 36 persons
 - March 2nd = 36 persons
 - March 3rd = 24 persons
- **Meeting point: bd.33 (reception at 13:00). Duration = 1h**
- **If you want to eat something, grab a sandwich beforehand!**

The EGEE project warmly thanks the following sponsors

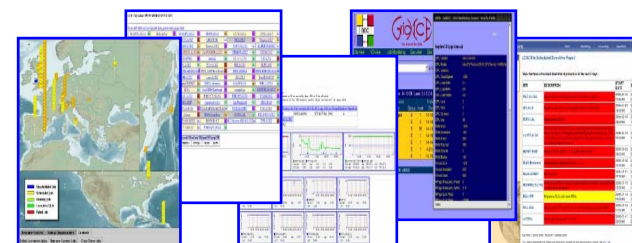


- **Infrastructure operation**
 - Continuous monitoring of grid services in a distributed global infrastructure
 - Automated site configuration/management

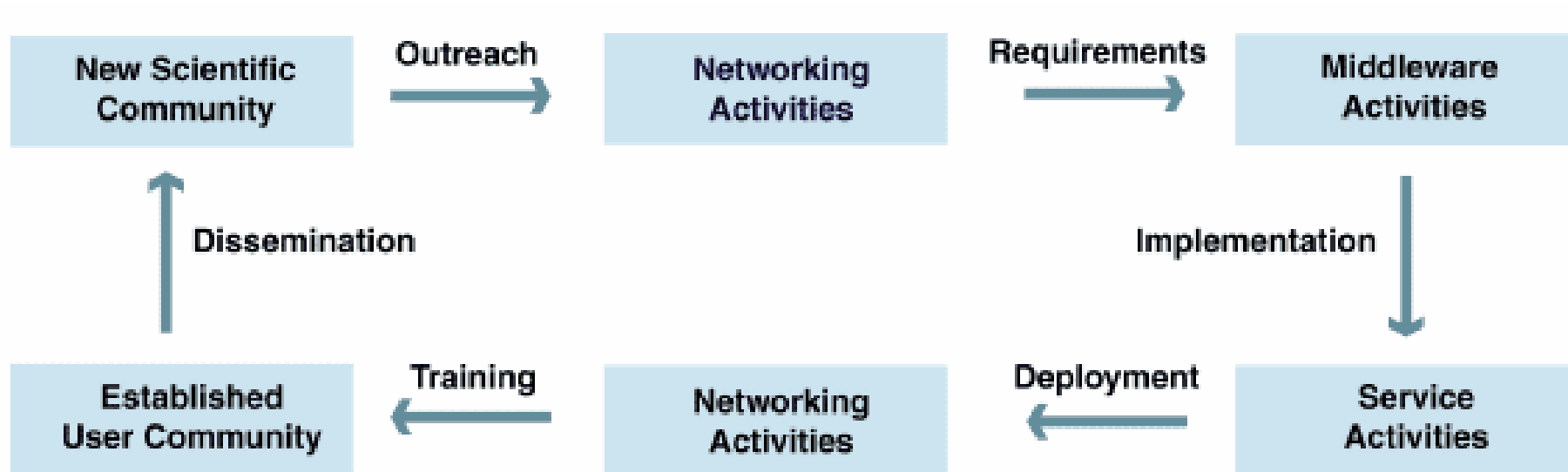
- **Middleware**
 - Production quality middleware distributed under business friendly open source licence

- **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



- All Activities work in concert to drive the **Virtuous Cycle**
- *Field-tested* and refined during EGEE



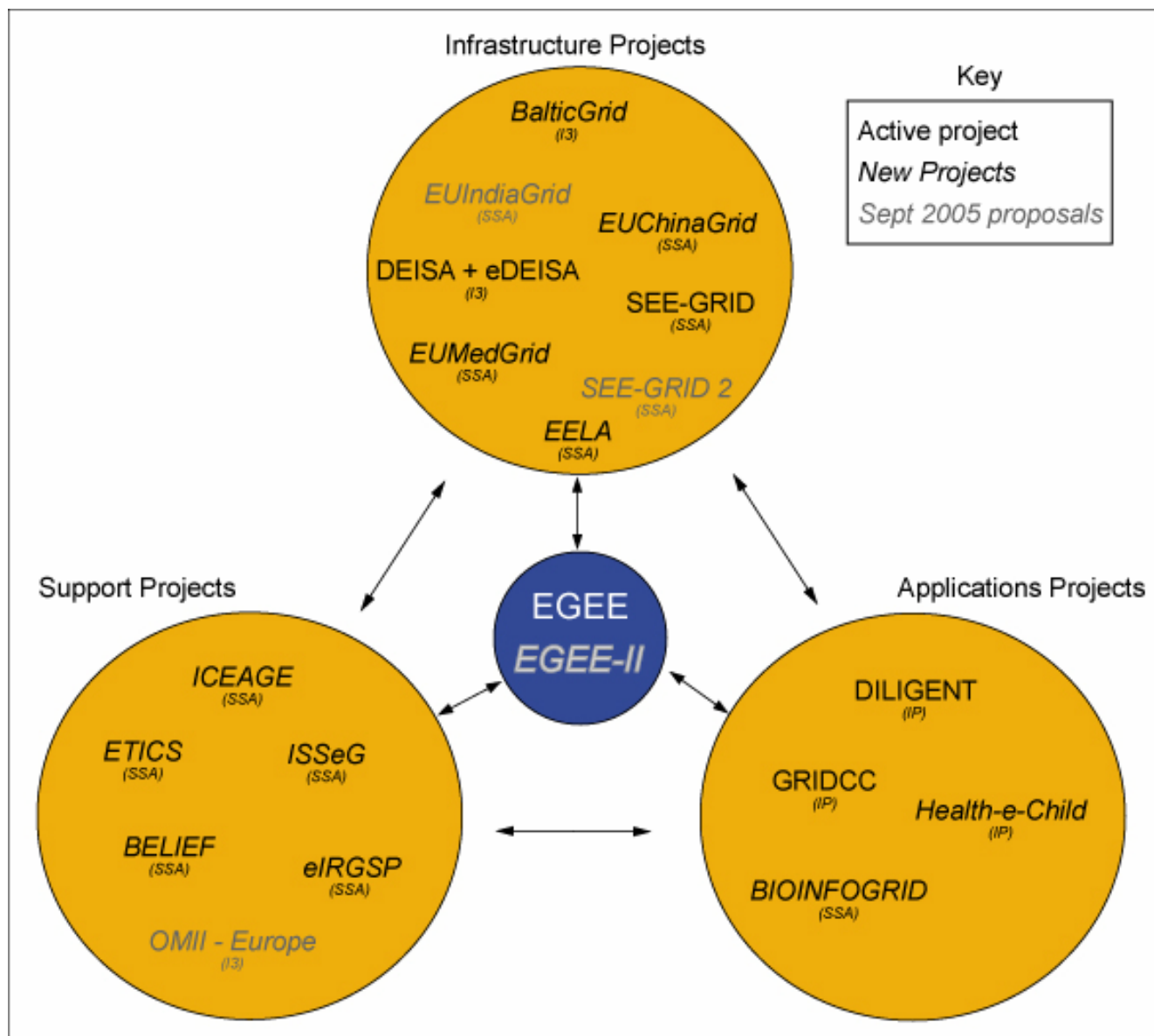
- More than 90 partners
- 32 countries
- 12 federations
- ➔ Major and national Grid projects in Europe, USA, Asia



+ 27 countries through related projects:

- BalticGrid
- SEE-GRID
- EUMedGrid
- EUChinaGrid
- EELA





Key

Active project
 New Projects
 Sept 2005 proposals



- **Industry Task Force**

- Group of industry partners in the project
- Links related industry projects (NESSI, BEinGRID, ...)
- Works with EGEE's Technical Coordination Group (TCG) to place industry requirements on equal footing



- **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
 - Market Surveys
 - Business modelling
 - Exploitation strategies
 - Transfer of know-how and services to industry



- **Industry Forum (representatives in most European countries)**

- Led by Industry to improve Grid take-up in Industry
- Organises industry events and disseminates grid information

- **Join the EGEE Infrastructure**
 - A new VO (Virtual Organisation) benefits from the operations and support – the VO sites can be monitored and supported as part of the infrastructure
 - Potential access to other resources (part of a shared infrastructure)
- **Adopt EGEE technology for internal use**
 - Reuse middleware and site automation/monitoring tools
 - Operate private infrastructure

Usage requiring significant support can be discussed as potential joint ventures