



Enabling Grids for E-science

# Plans until the end of the project and beyond

*Dieter Kranzlmüller, Deputy Project Director*

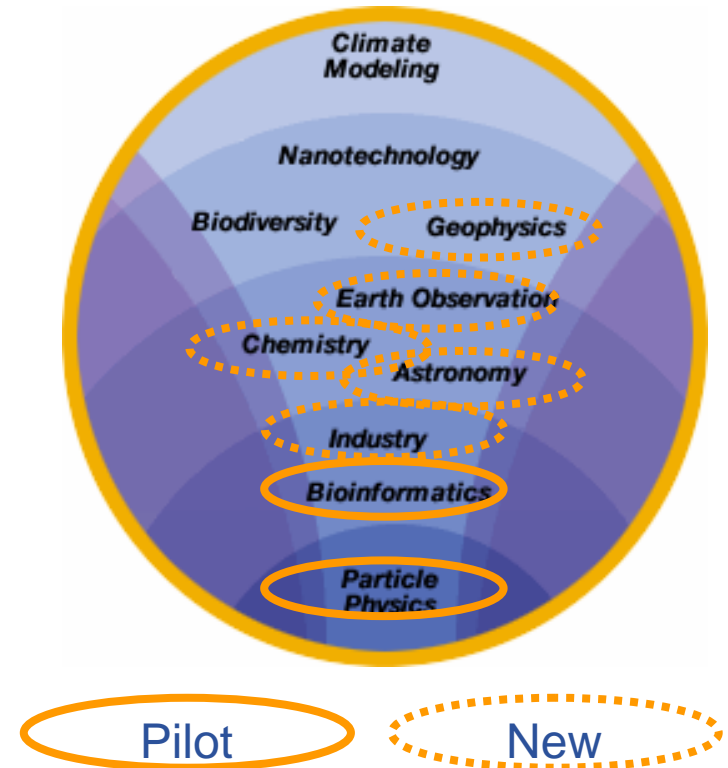
*EGEE 2<sup>nd</sup> review*

*6-7/12/2005*

[www.eu-egee.org](http://www.eu-egee.org)



- **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**
- **A vision for long-term sustainability is being discussed and fine-tuned**





# Deliverables/Milestones Timeline

Enabling Grids for E-science

Month	Ref	Description
19	MJRA1.7	Software for second release candidate available
19 (22)	DSA1.5&7	EGEE Infrastructure Planning Guide (“cook-book”)
20	MJRA1.8	Release Candidate 2 enters testing and validation period
21	DJRA1.6	Software and associated documentation (Release 2)
21 (24)	MJRA3.8&10	Security operational procedures (2 <sup>nd</sup> & 3 <sup>rd</sup> revision)
21	DJRA4.4	Implementation of single-domain bandwidth reservation pilot service
21	DJRA4.5	Service to supply network performance information to resource brokering middleware
21	DNA1.1.7	Quarterly periodic report
21 (24)	DNA1.4	Report on Gender Action Plan
21 (24)	DNA2.7 & MNA2.6	Final Dissemination & Usage Report
21 (24)	DNA3.3.3 & MNA3.4	Training Progress Report update
21	DNA5.1.4	e-Infrastructure Reflection Group White Papers
21 (24)	MSA1.5	Expanded production Grid infrastructure (50 Resource Centres) operational
21 (24)	DSA1.9	Release notes corresponding to expanded production Grid infrastructure
22 (24)	DSA2.3	Revised SLAs and policies
22 (24)	DJRA2.3	2 <sup>nd</sup> annual report on EGEE Quality Status, incl. software and Grid operations
22 (24)	DJRA3.4	Assessment of security infrastructure report
23 (24)	DJRA1.7	Final report on middleware re-engineering
23 (24)	DJRA4.6	Report on bandwidth allocation and reservation
23 (24)	DJRA4.7	Report on network monitoring
23 (24)	DNA4.4 & DNA4.3.3	Final Report of NA4 with revision of Application Migration Progress report
23 (24)	DNA5.5	Final progress report on International Cooperation Activities
23 (24)	DSA1.8	Assessment of production infrastructure operation; outline of sustained operation
24	DNA1.1.8	Quarterly periodic report
24	MNA1.3	Successful completion of third and final review
24	DNA1.3.2 & DNA1.3	Periodical report
24	MNA4.4	Successful completion of third and final review

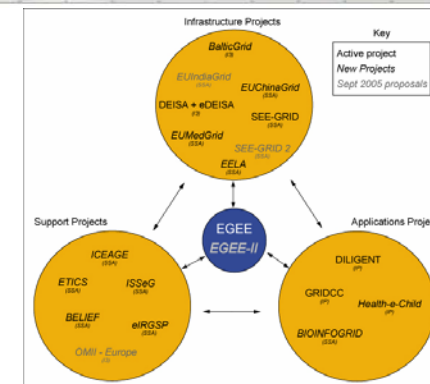
27 deliverables/milestones

- **EGEE-II proposal:**
  - Submitted to the EU on 8 September 2005
  - Proposed start 1 April 2006

- **Expanded consortium:**
  - > **90 partners** in 32 countries  
(also non-European partners)
  - + 27 countries through  
**related projects**

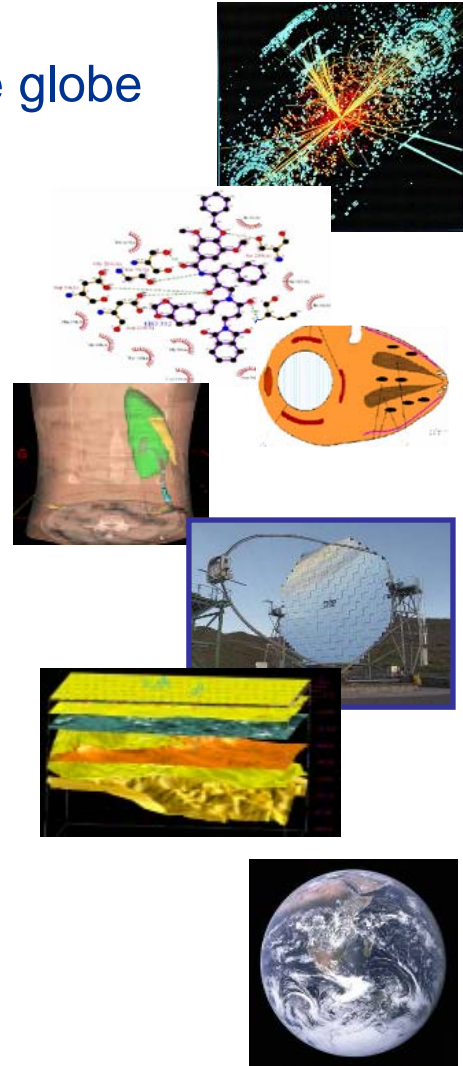


- **Natural continuation of EGEE building on our expertise and experience**

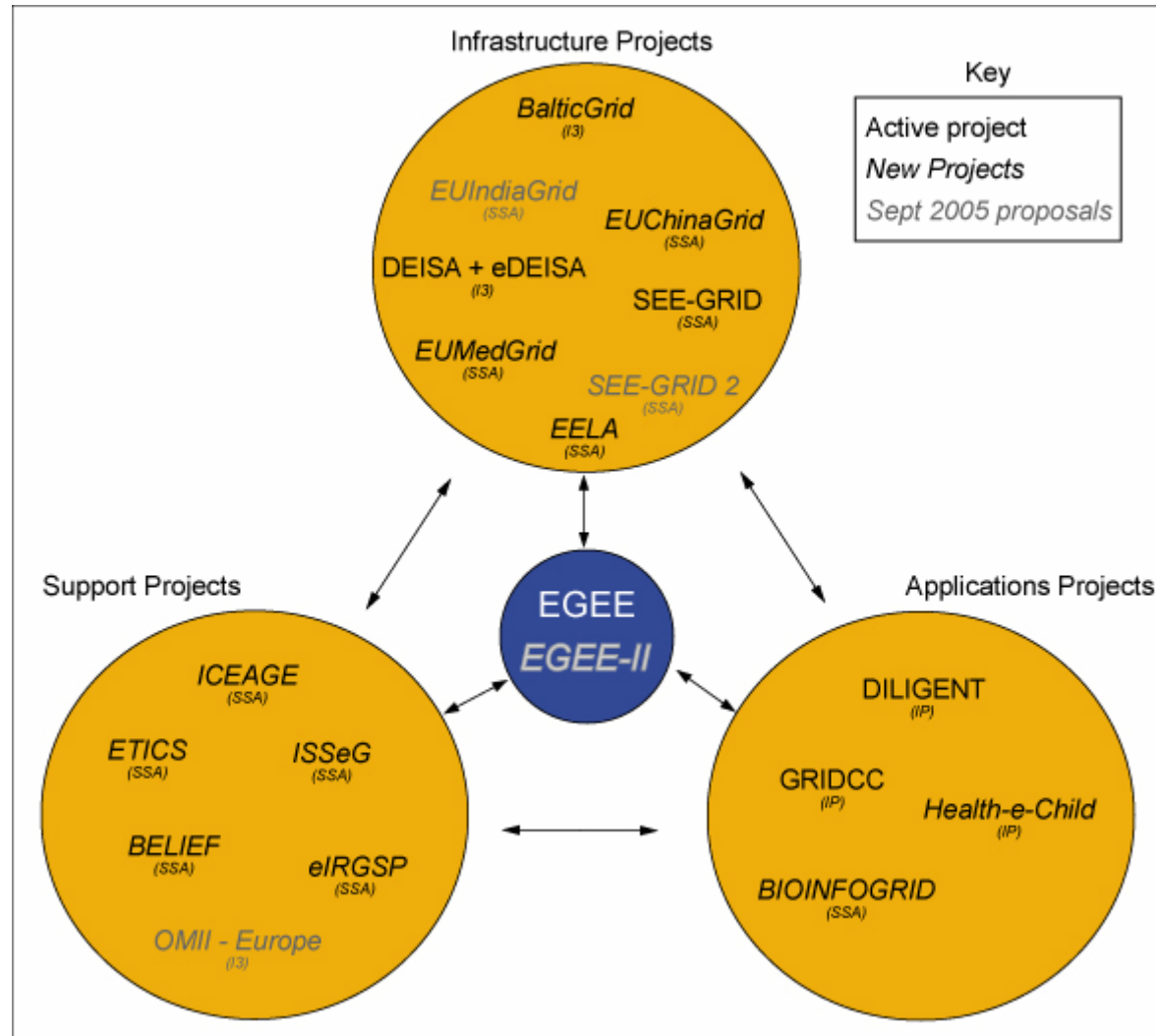


- **Achievements by the end of EGEE:**
  - Exceeding almost all final goals
  - Scope expanded beyond Europe
- **Transition from EGEE to EGEE-II**
  - Two 2-year projects of a 4-year plan
  - Services continuously available
  - Adjustments and streamlining (e.g. SA3, TCG, ...)
- **At the start of EGEE-II:**
  - Full capacity from day one
  - Large-scale, production-quality infrastructure
  - Support for a wide range of applications
  - World class staff with extensive knowledge of Grid technology

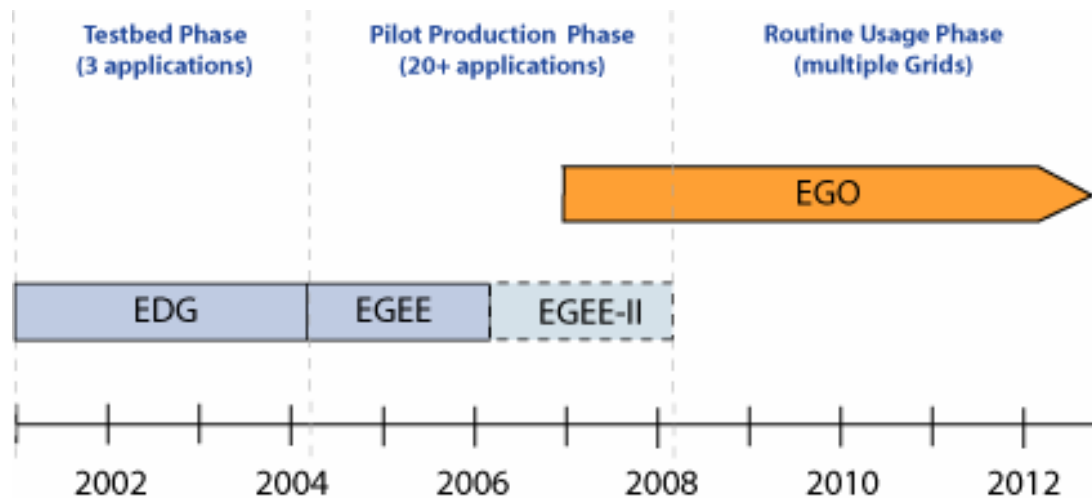
- **Increased multidisciplinary infrastructure**
  - Manage and operate production Grid for ERA
  - Interoperate with e-Infrastructure projects around the globe
  - Contribute to Grid standardisation effort
  
- **Support applications from diverse communities**
  - High Energy Physics, Biomedicine, Earth Sciences, Astrophysics, Computational Chemistry, Fusion, Geophysics, Finance, Multimedia, ...
  
- **More involvement from industry**
  - Reinforce links with an extended spectrum of interested industrial partners
  
- **Increased knowledge about the Grid**
  - Through dissemination and training
  
- **Preparation of sustainable European Grid Infrastructure**







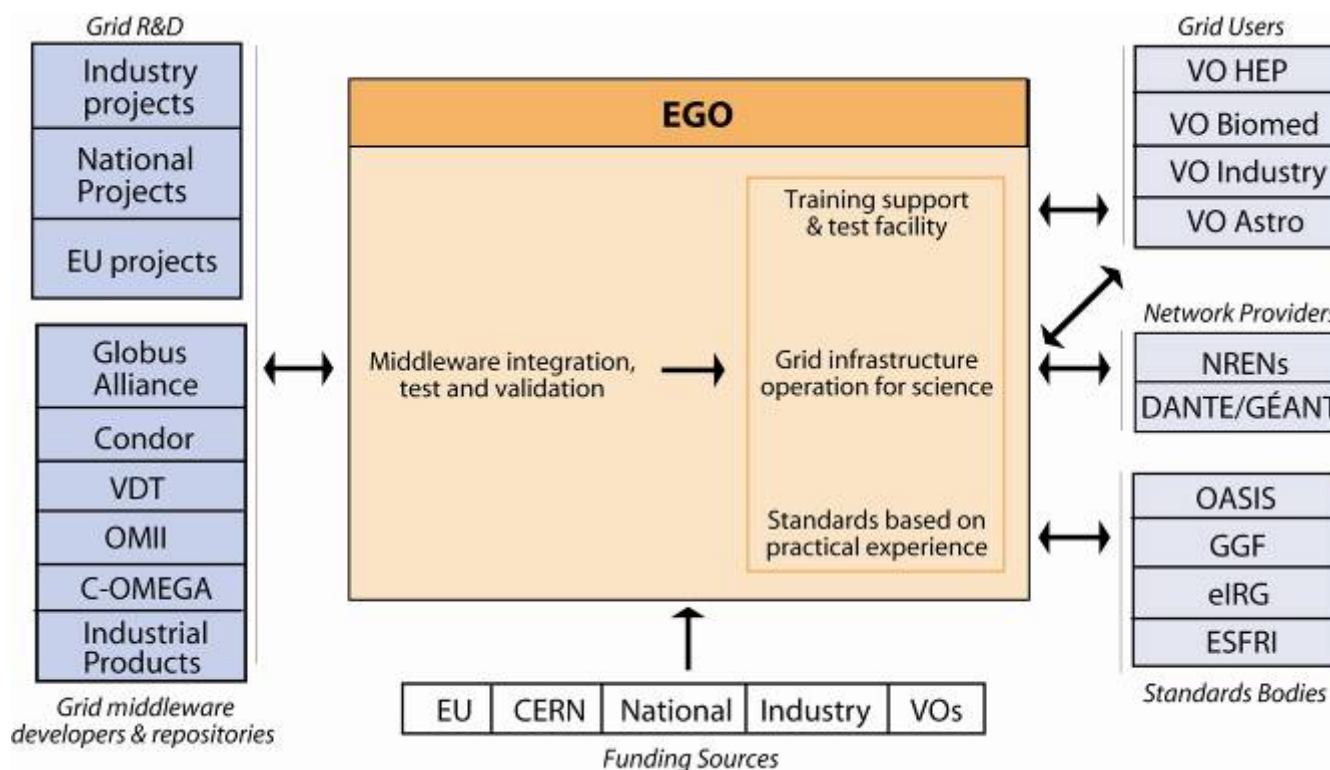
- **Need to prepare for permanent Grid infrastructure**
  - Maintain Europe’s leading position in global science Grids
  - Ensure a reliable and adaptive support for all sciences
  - Independent of project funding cycles
  - Modelled on success of GÉANT
    - Infrastructure managed centrally in collaboration with national bodies (in EGEE-II: JRUs)
- **Proposal: European Grid Organisation (EGO)**

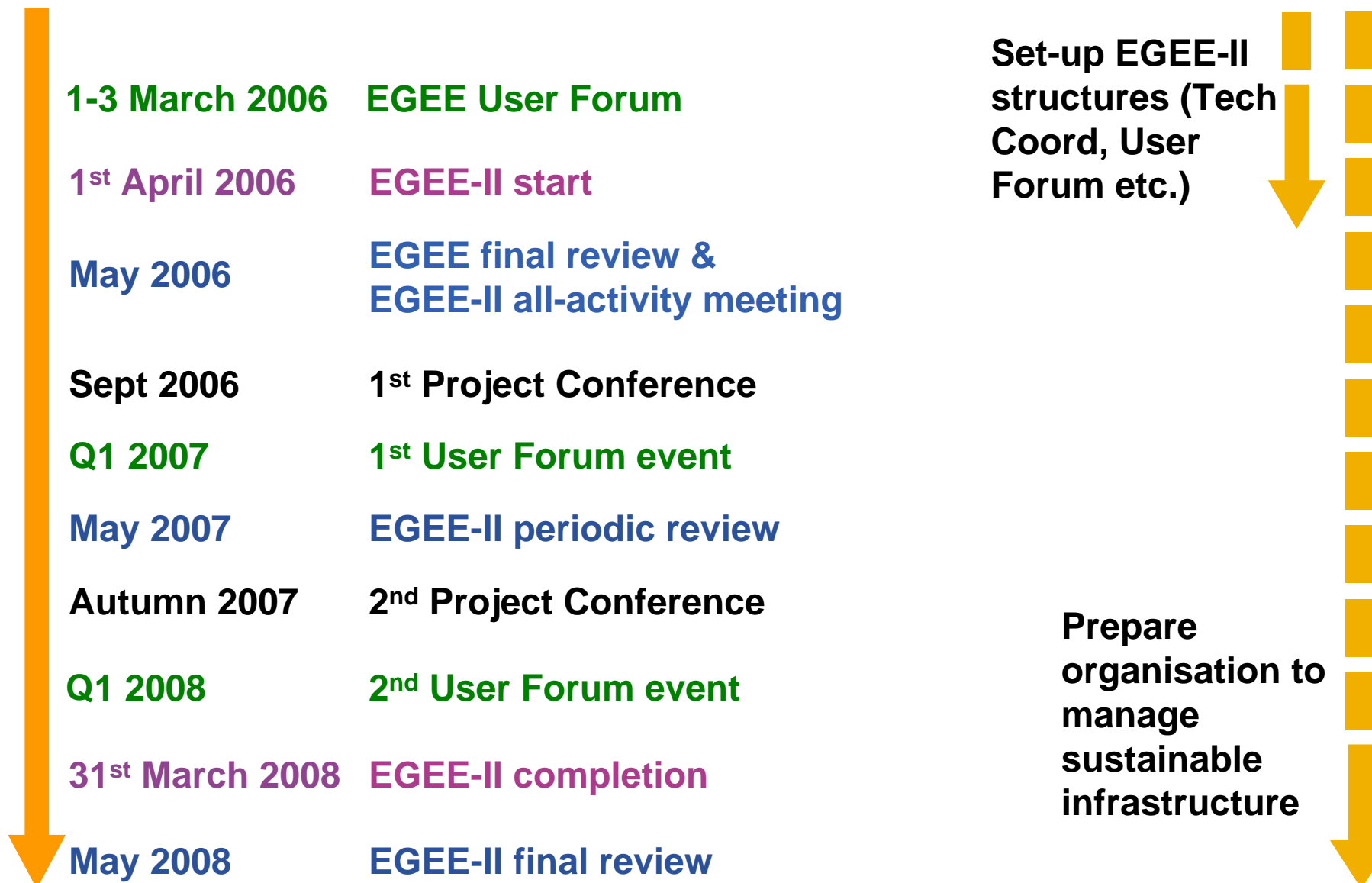




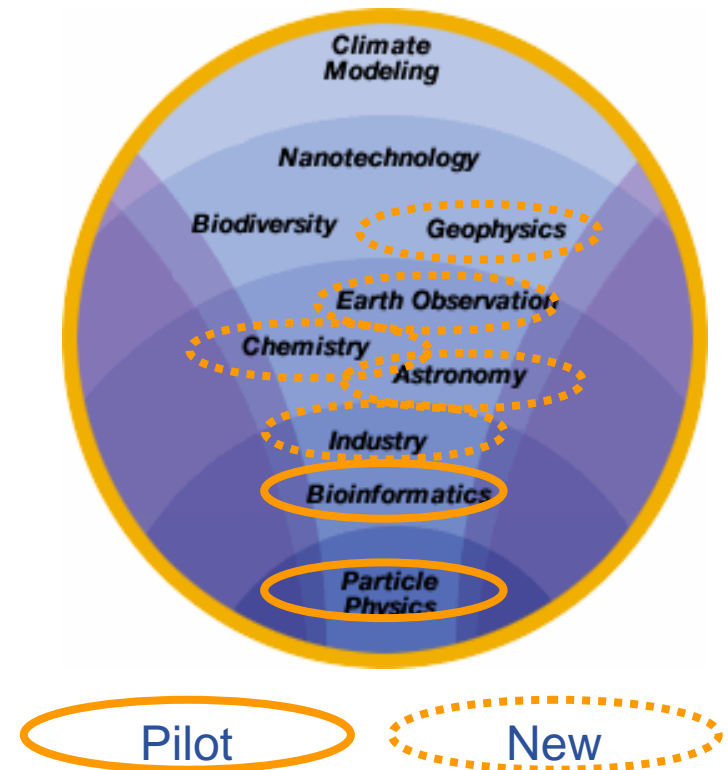
## Objectives

- Operate production Grid infrastructures for all sciences
- Integrate, test, validate and package Grid middleware
- Provide advice, training and support to new user communities





- EGEE continues to exceed commitments and expectations in many areas
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# EGEE

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