



Enabling Grids for E-science

Related Projects

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EGEE/EGEE-II Transition Meeting

www.eu-egee.org



- **Aim of EGEE:**

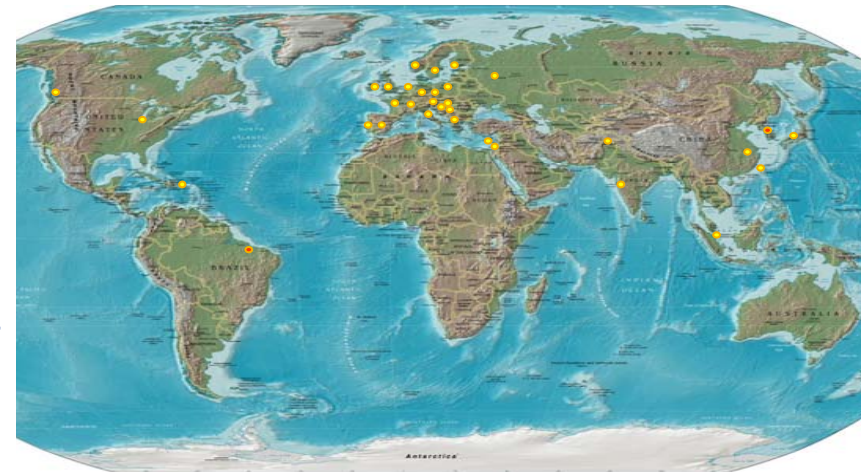
“to establish a seamless European Grid infrastructure for the support of the European Research Area (ERA)”

- **Achievements of EGEE:**

- Exceeding almost all final goals
- Scope expanded beyond Europe

- **Transition EGEE → EGEE-II**

- EGEE conceived as first two years of four-year plan
- Services continuously available



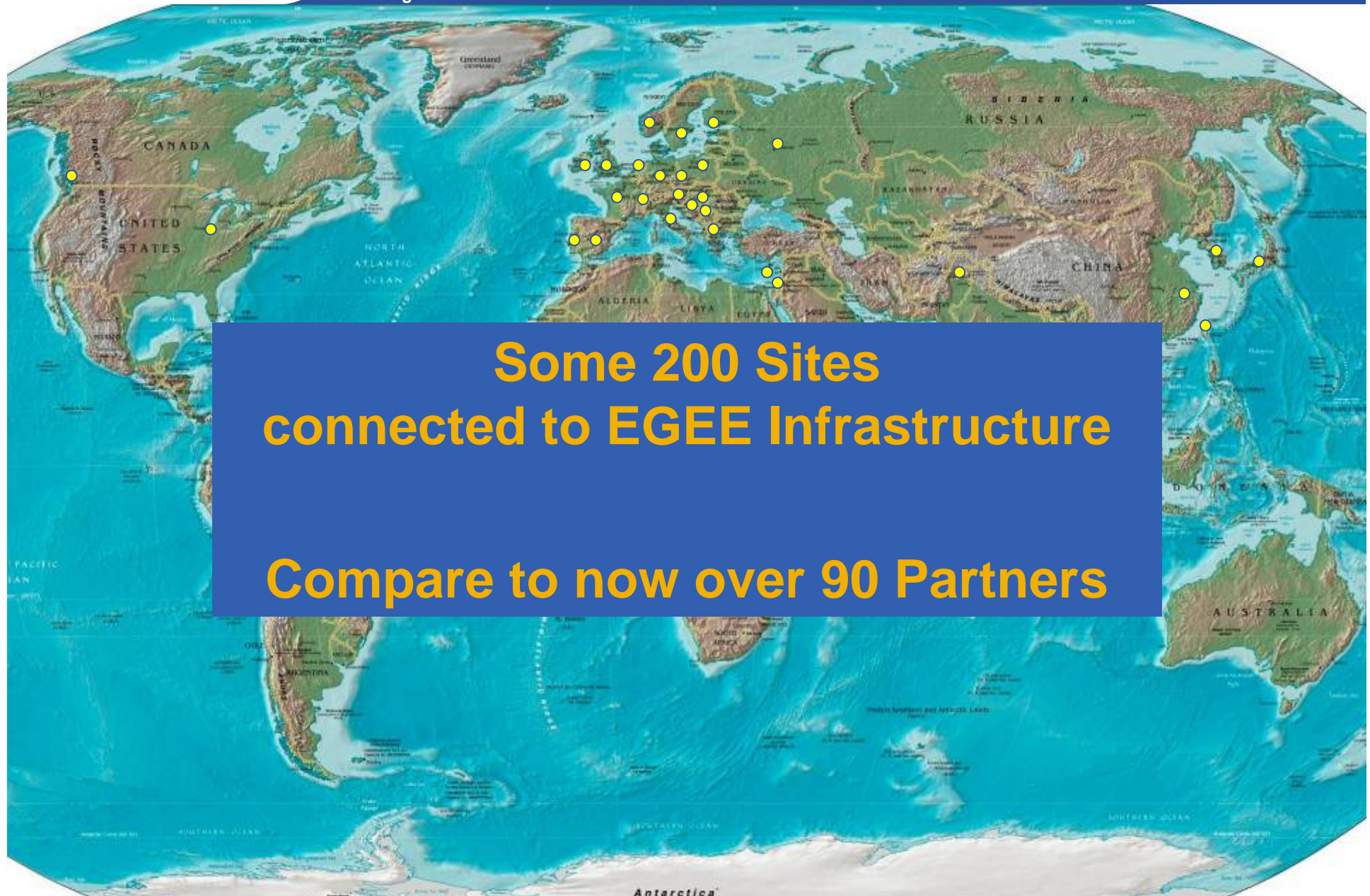
- **EGEE-II start:**

- Full capacity from day one
- Large-scale, production-quality infrastructure
- Supporting a wide range of applications
- Staff with extensive knowledge of Grid technology



Enabling Grids for E-science

EGEE Infrastructure



**Some 200 Sites
connected to EGEE Infrastructure**

Compare to now over 90 Partners

Different kinds of relations:

- **Partners of EU Project EGEE / EGEE-II**
- **(Voluntary) Contributors to the EGEE Infrastructure**
- **Independent EGEE Infrastructure Providers**
- **National/Regional Grid Projects
building on or connecting to EGEE**

- Great investment in developing Grid technology
- Sample of National Grid projects:

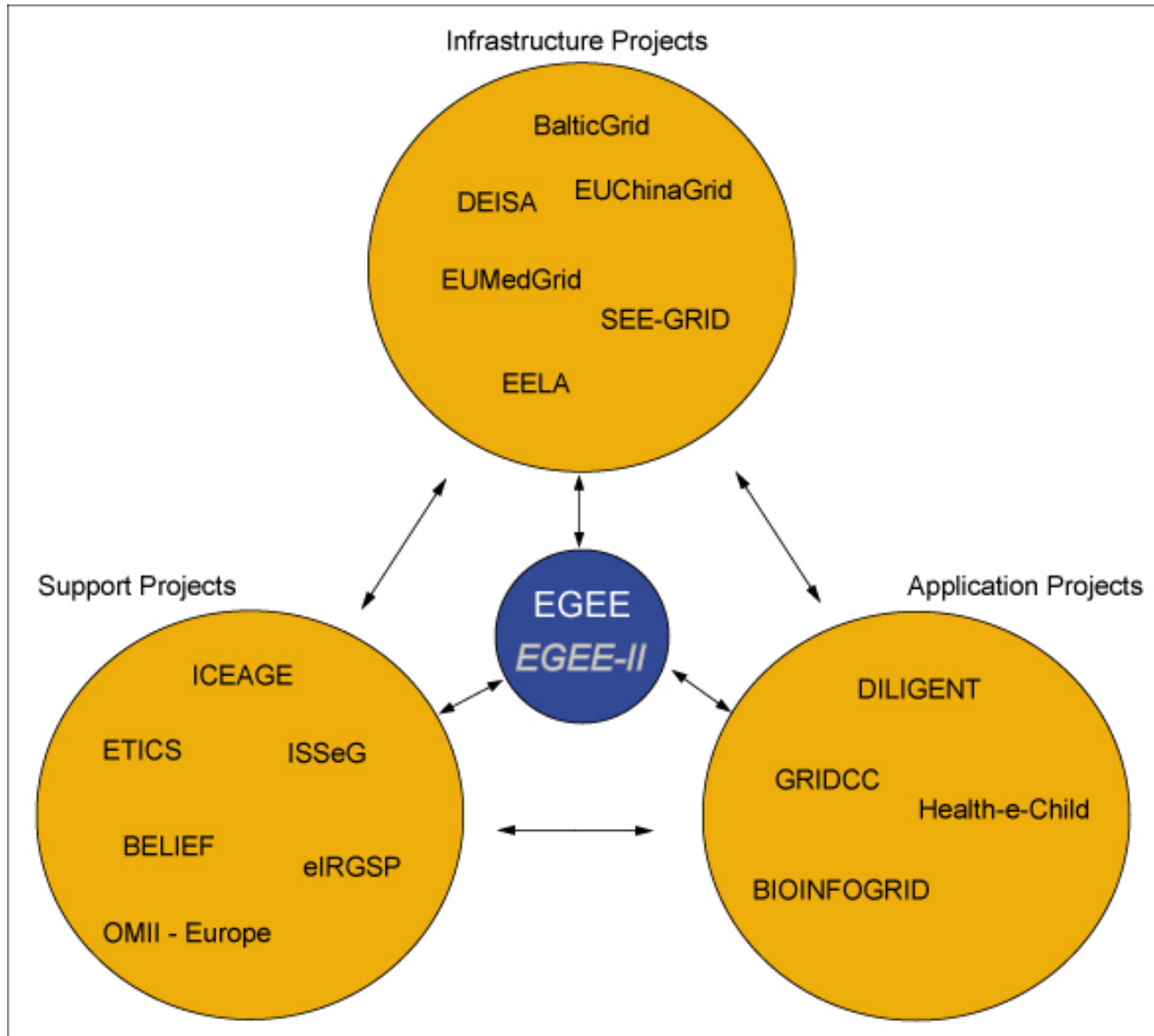
- Austrian Grid Initiative
- DutchGrid
- France: Grid'5000; ACI Grid
- Germany: D-Grid; Unicore
- Greece: HellasGrid
- Grid Ireland
- Italy: INFNGrid; GRID.IT
- NorduGrid
- UK e-Science: National Grid Service; OMII; GridPP



- EGEE provides framework for national, regional and thematic Grids

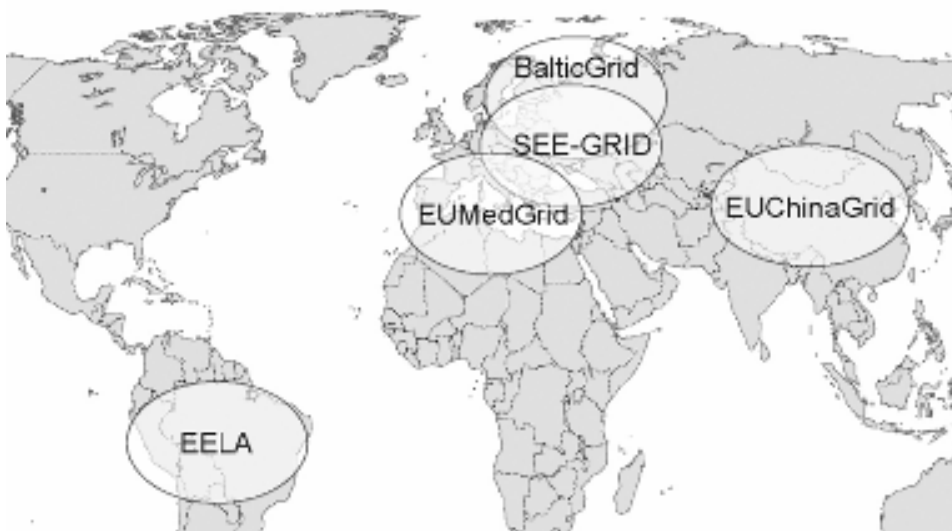
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- **National/Regional Grid Projects
building on or connecting to EGEE**
- **Independent Grid Infrastructure Projects**
- **Related Projects:**
 - Infrastructure Projects
 - Application Projects
 - Support Projects





- **Infrastructure Projects**
 - DEISA, SEEGRID
 - **New:** BalticGrid, EELA, EUChinaGrid, EUMedGrid, ...



- **Application Projects**

- DILIGENT
- **New:** BIOINFOGRID, Health-e-Child, ...



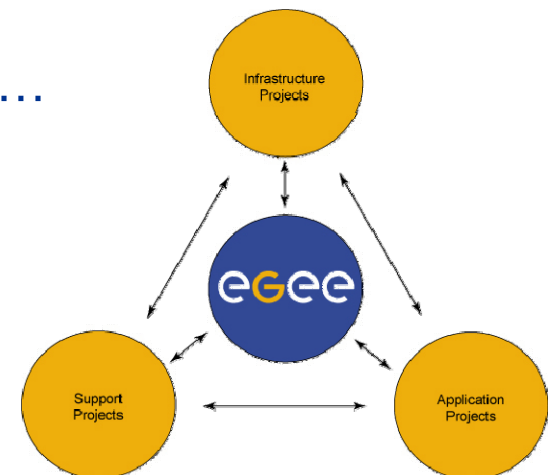
- **Support Projects**

- **New:** BELIEF, ETICS, eIRGSP, ICEAGE, ISSeG, ...



- **Cooperation between projects is important**
 - To detect and exploit synergies
 - To interoperate in different areas (expertise, services, ...)
 - To best serve science in Europe and World-wide

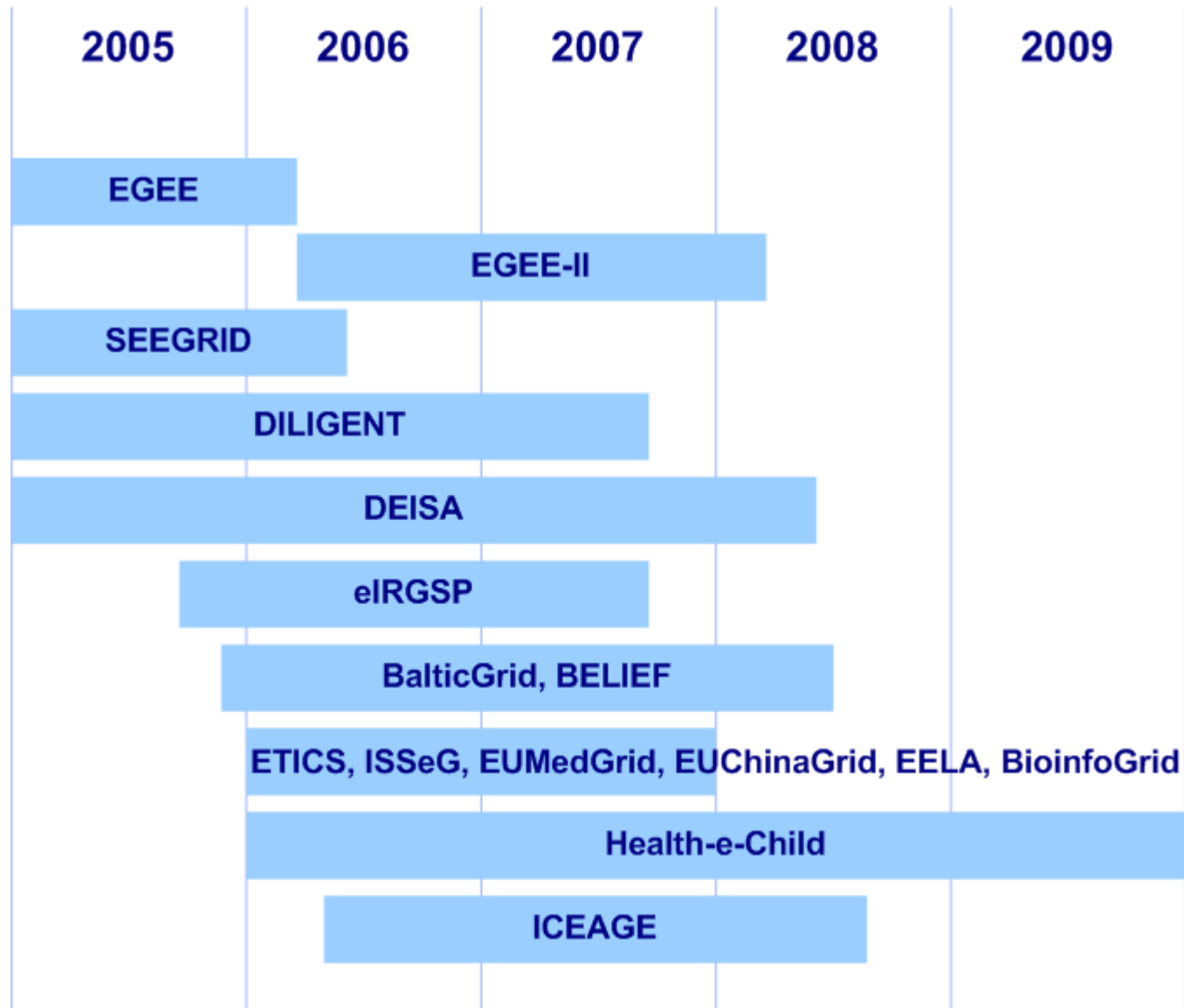
- **Possible areas of cooperation with EGEE**
 - Infrastructure related
 - exchanging or using facilities such as computing, storage, networks, ...
 - other areas such as operations, user support, ...
 - Middleware
 - Applications
 - Training
 - Dissemination and Policies.



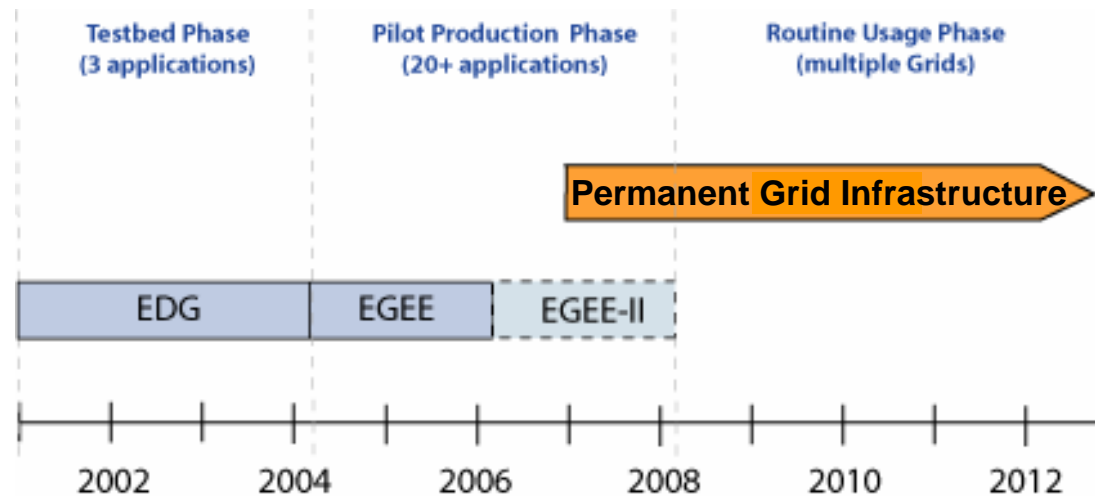
- **EGEE NA5 – Policy and International Cooperation**
- **eConcertation Events**
- **Contributions to eIRG Workshops and White Papers**
- **Dedicated Meetings at EGEE Conferences**

- EGEE'06 – Capitalising on e-infrastructures
 - Demos
 - **Related Projects**
 - Industry
 - International community (UN organisations in Geneva etc.)
- 25-29 September 2006
- Geneva, Switzerland
- <http://www.cern.ch/egee-intranet/conferences/EGEE06>

Welcome to the key European Grid event of 2006!

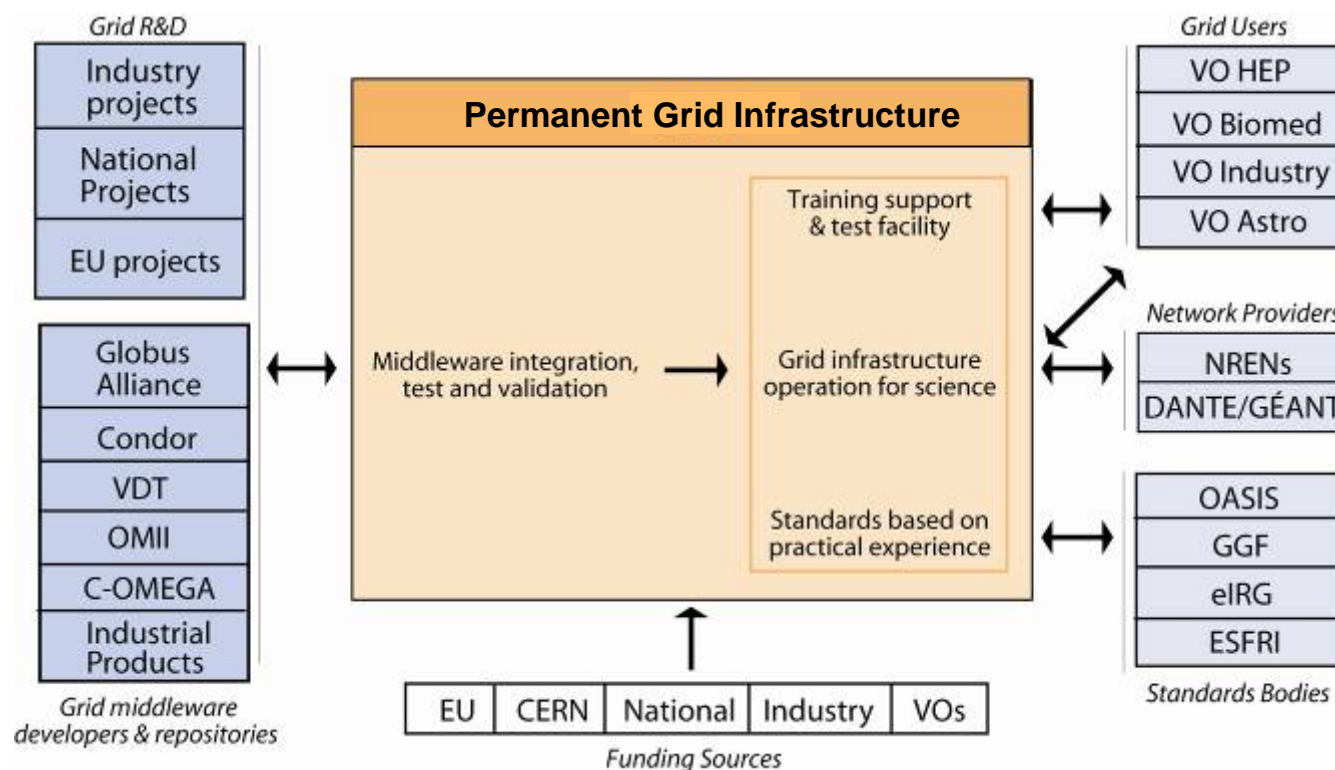


- **Need to prepare for permanent Grid infrastructure**
 - Maintain Europe’s leading position in global science Grids
 - Ensure a reliable and adaptive support for all sciences
 - Independent of project funding cycles
 - Modelled on success of GÉANT
 - Infrastructure managed centrally in collaboration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

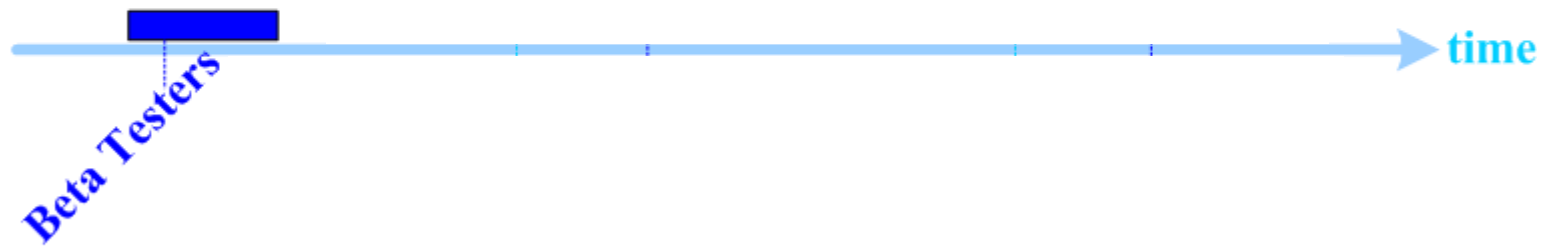


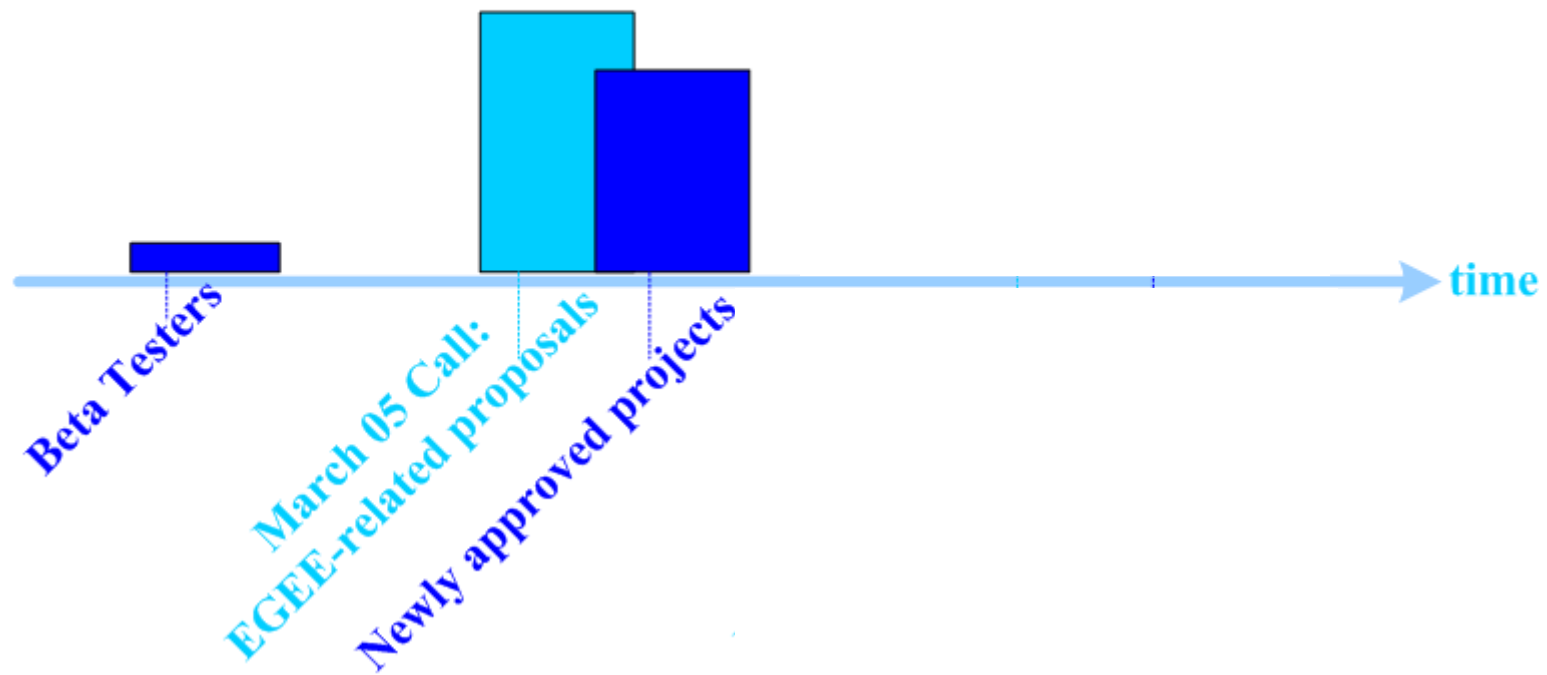
Objectives

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

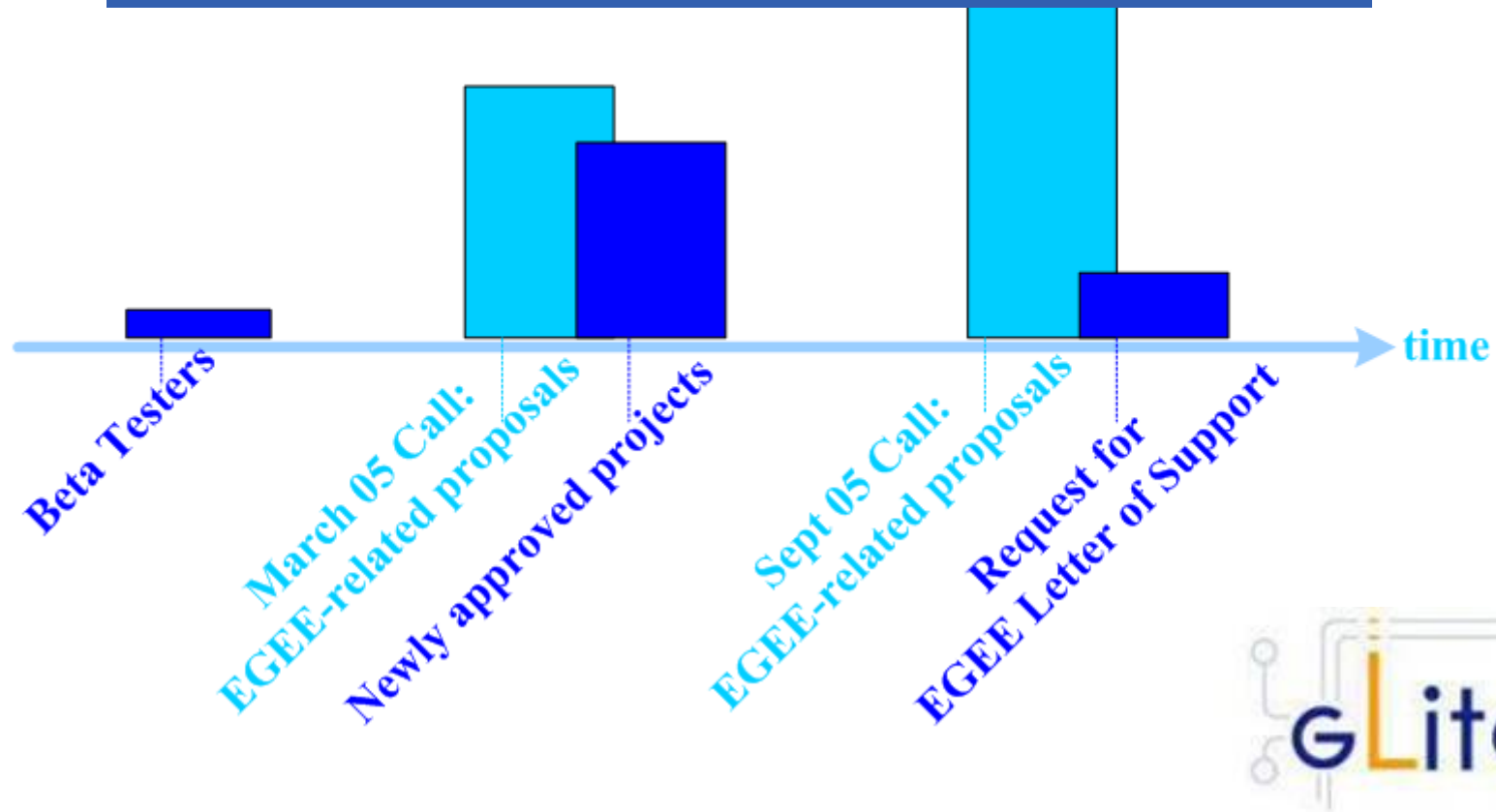


- EGEE is taking its role as “**Incubator**” very seriously
- EGEE understands and accepts its **responsibility** and tries hard to live up to these expectations





**EGEE is being accepted
as robust, reliable grid infrastructure and
as a matter of course**



- EGEE is taking its role as “**Incubator**” very seriously
- EGEE understands and accepts its **responsibility** and tries hard to live up to these expectations
- **EGEE profits from:**
 - ideas, input and feedback
for better cooperation and
to further exploit synergies*
- We are aware that cooperation is difficult
- **Success is mandatory** in order
*to build the future environment for serving and advancing
European and world-wide Science*
- Synergies and cooperation is key for all of us
Failure is NOT an option



Grid is about people working together!

