

EU Policies on *e*Infrastructures GEANT/Eumedconnect/Alice/Tein2



Carmen Mena Abela



**Unit F3 Research Infrastructure
DG INFSO F Emerging Technologies and Infrastructures**

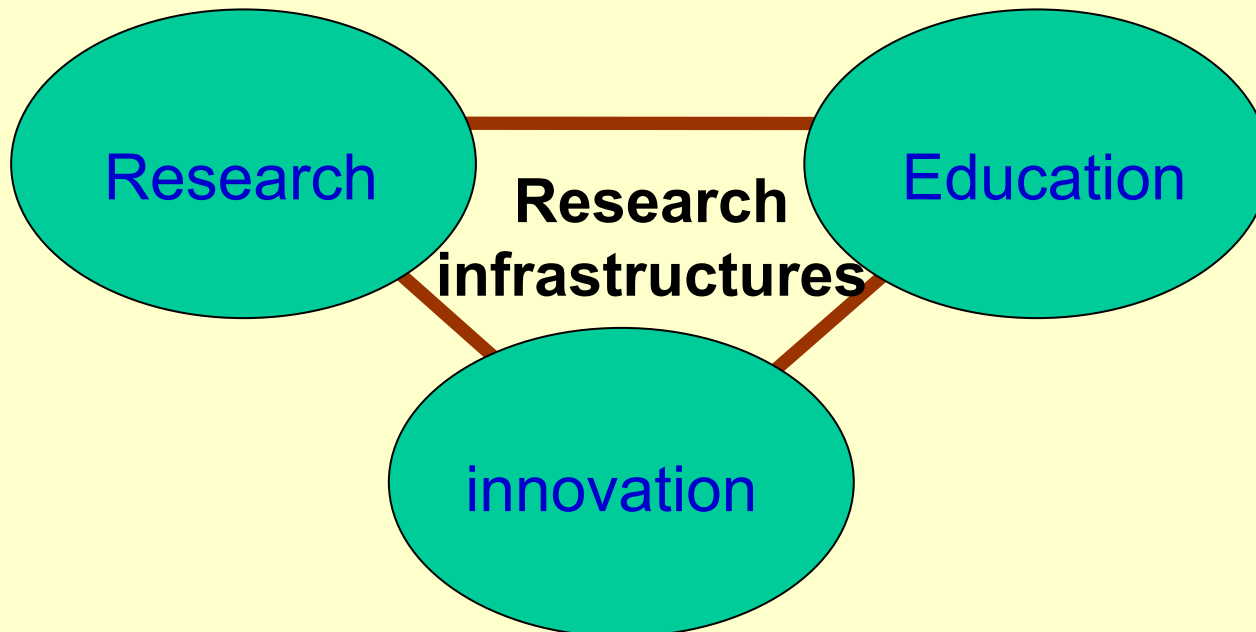
"The views expressed in this presentation are those of the author and do not necessarily reflect the views of the European Commission"

Europe and the Research challenge

Objective of EU policies on Research for 2007-2013:

- **Development of a knowledge-based economy and society through research;**
- **Investment in Research: 3% of EU GDP (two thirds coming from the private investment).**

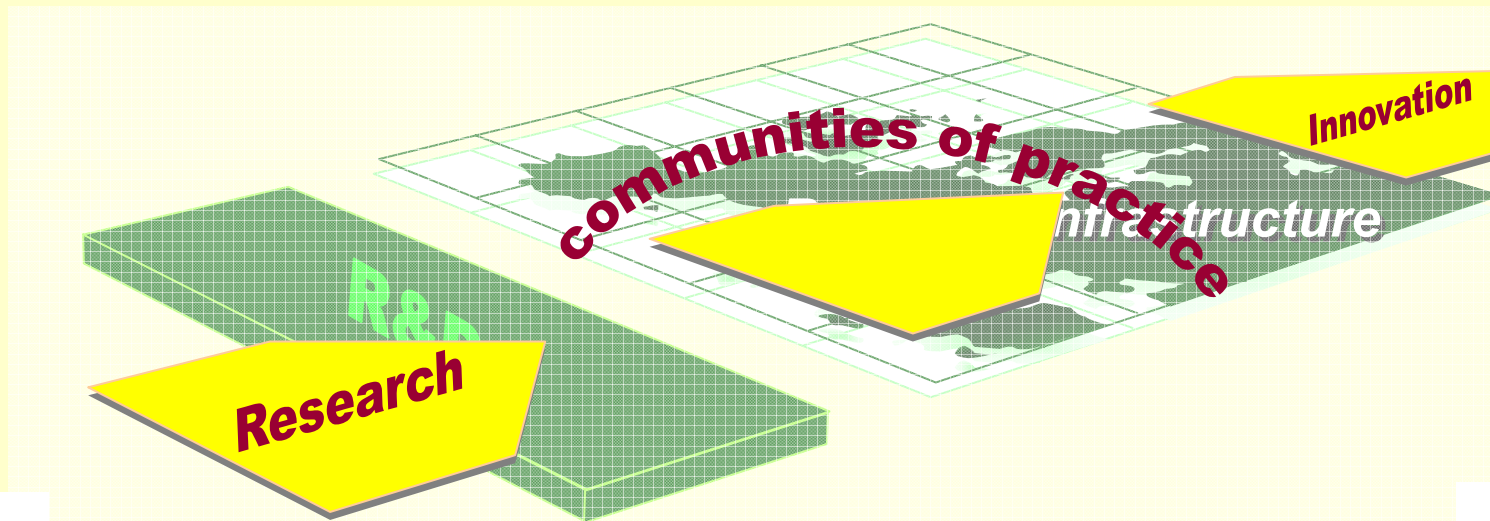
National versus EU (always subsidiarity principle)



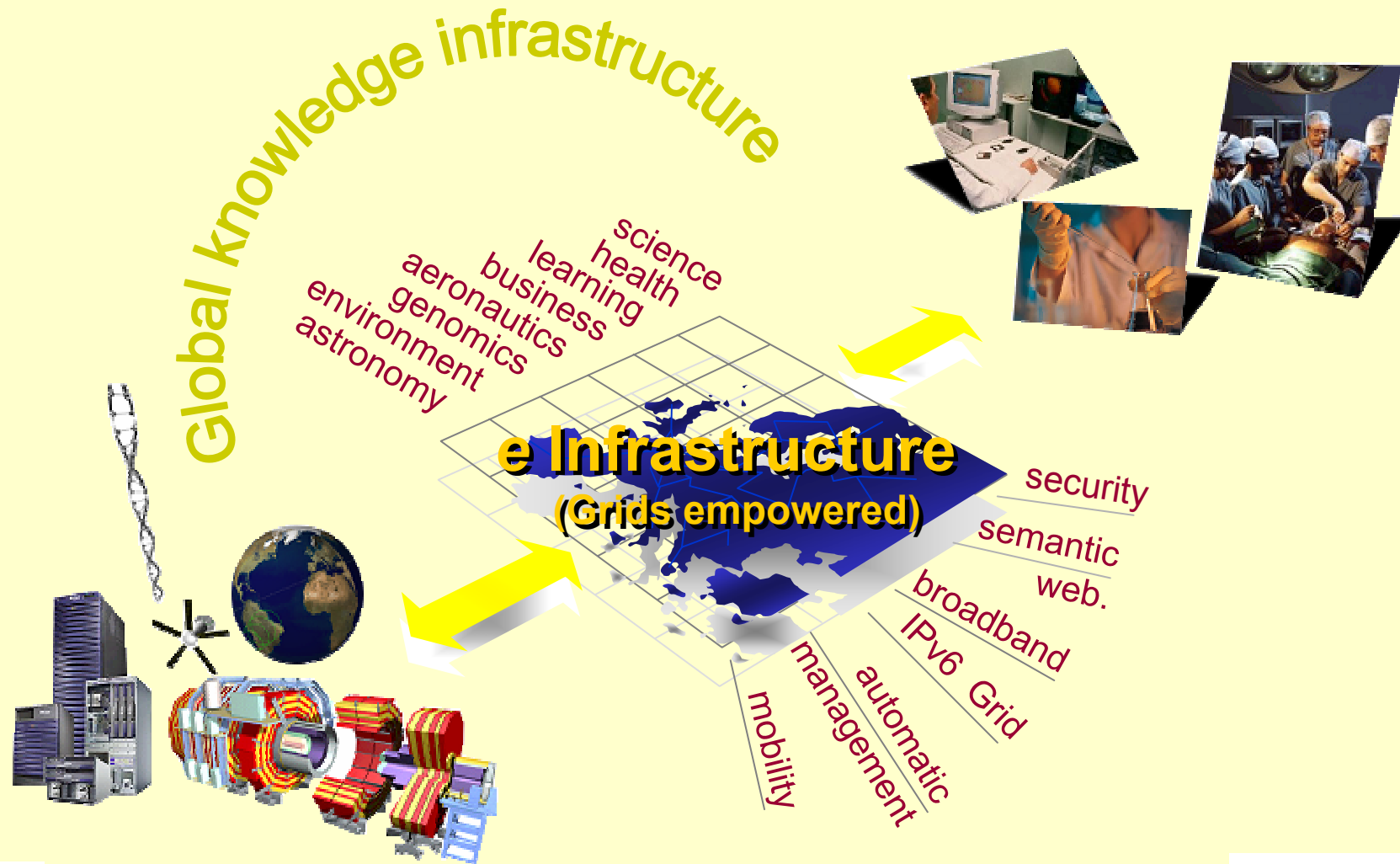
Why Research infrastructures?

RI in the EU Framework Programme for Research (PF7):

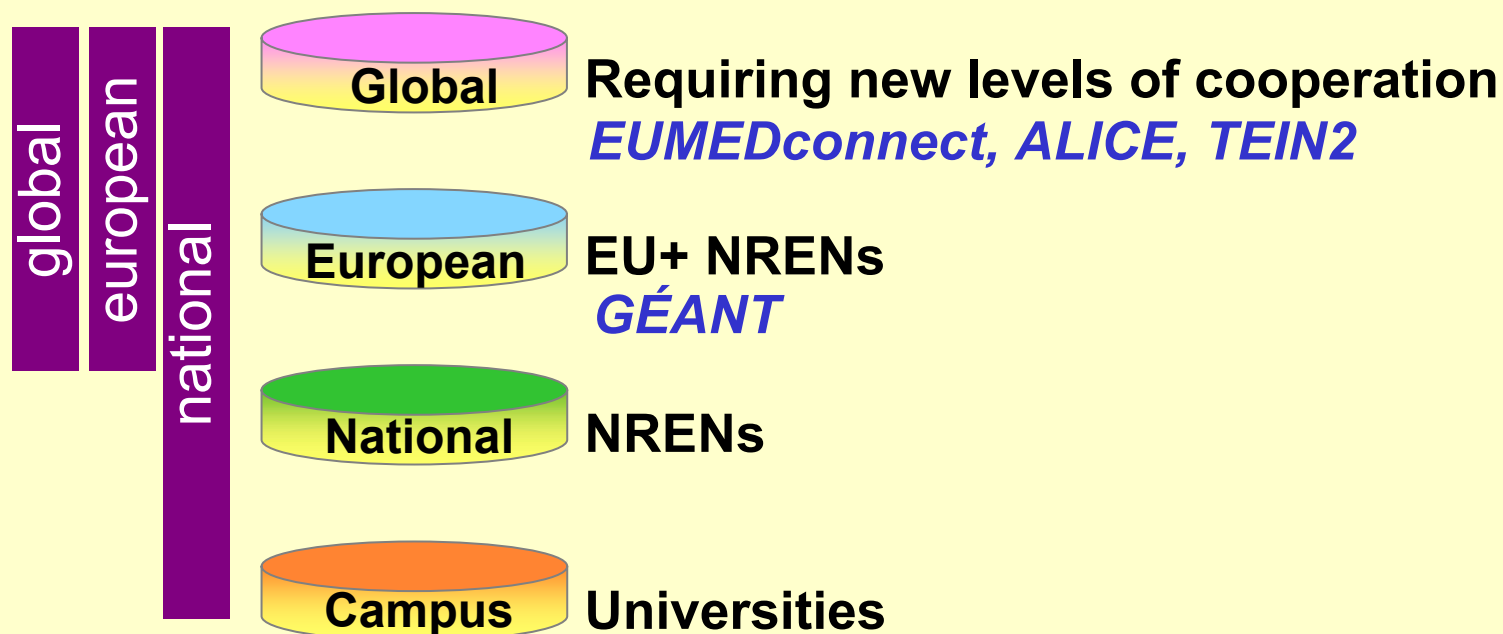
- They support the researchers in disperse locations to collaborate and access remote research infrastructures
- They support education
- They constitute a field of experimentation for new technologies



Vision - creating an *e*Infrastructure...



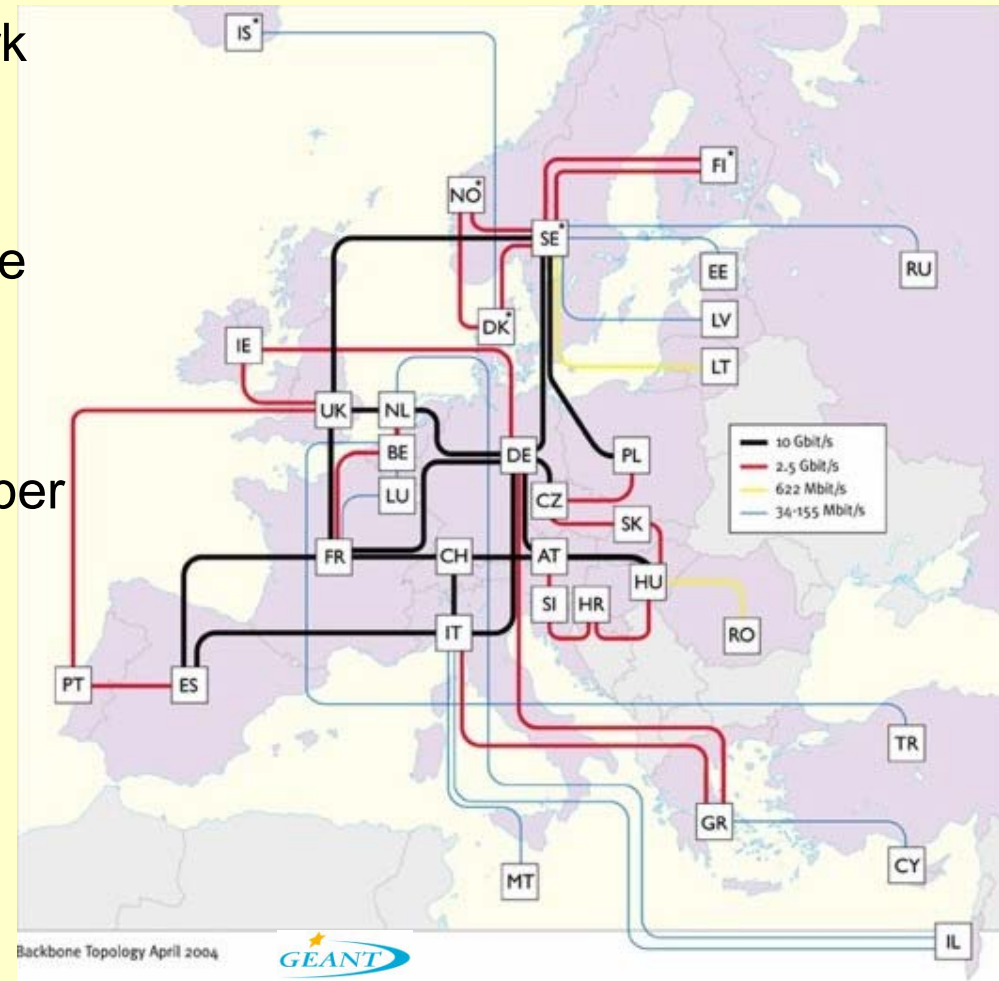
National, European and global collaboration



European broadband infrastructure - GÉANT*

The “super-vehicle” for information transfer

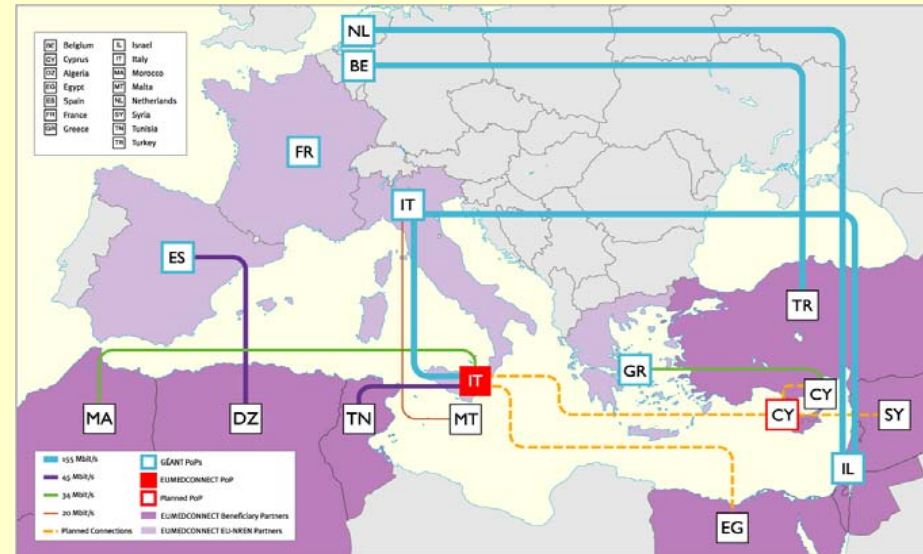
- World leading Research Network
- Connecting more than 3900 Universities and R&D centers
- Over 43 countries across Europe
- Connectivity to NA, Japan, ...
- Speeds of up to 10 Gbps
- Exploiting the benefits of dark fiber
- IPv6 enabled, support to Grid
- Focusing on mobility and AAA
- Smoothing the digital divide
- 93 M€ EU funding





Eumedconnect – Euromediterranean connectivity

- Establish a research network backbone in the Mediterranean and its connection to GEANT 12 MED-NRENs from Algeria, Egypt, Jordan, Morocco, Syria, Tunisia, Cyprus, Israel, Malta, Turkey, PAL and Lebanon and 4 EU-NRENs from Greece, Italy, France & Spain
- Feasibility Study (Dec. 2001 - June 2002) Implementation (Nov. 2002 - June 2006)
- Co-operation funds (AIDCO): 12 MEuro (80% funded)
- Stimulate cooperation, collaborative work
- Establish partnerships between actors
- Allows distant education, cultural heritage
- Ensure sustainability after project end





ALICE – Latin America Interconnected with Europe

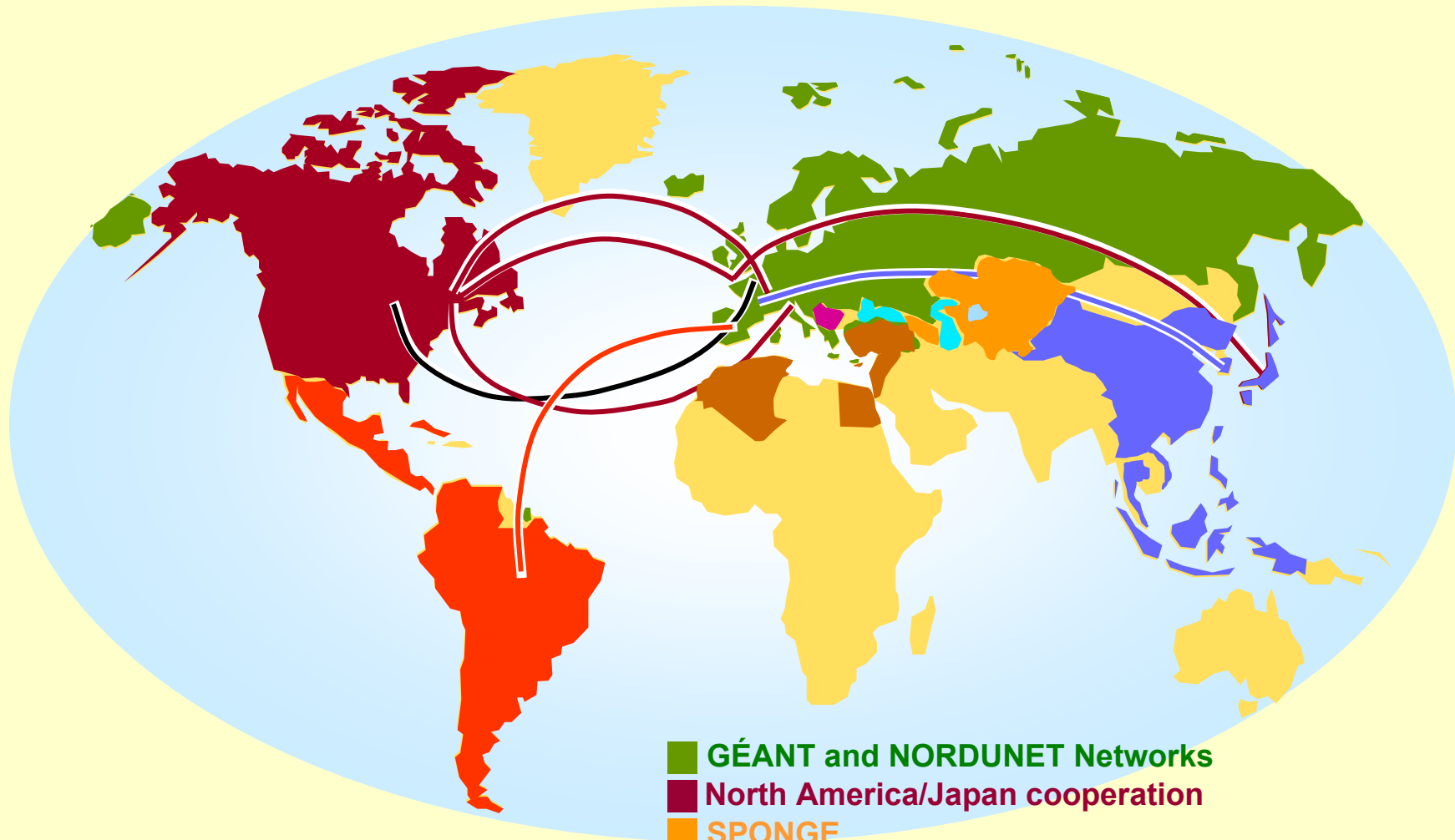
- **Feasibility Study - CAESAR (Oct 2002)**
- CLARA/RedCLARA - Latin American co-operation**
- **Implementation (22 May 2003 - Dec 2005)**
- **Co-operation funds (AIDCO): 12 MEuro (80% funded)**
- **Establish a research network backbone in the Latin America and its connection to GEANT 18 LA-NRENs and 4 EU-NRENs from Portugal, Italy, France and Spain**
- **Stimulate cooperation, collaborative work**
- **Establish partnerships between actors**
- **Allows distant education, cultural heritage**
- **Ensure sustainability after project end**
- ...



TEIN2 – Trans-Eurasia Information Network

- **Feasibility Study - (April 2004)**
 - **Implementation (Sept 2004- Dec 2007)**
 - **Co-operation funds (AIDCO): 12 MEuro (80% funded)**
 - **Establish a research network backbone in Asia and its connection to GEANT** 6 ASEM-NRENs from China, Indonesia, Malaysia, the Philippines, Thailand and Vietnam (+ Brunei, Japan, South Korea and Singapore and 4 EU-NRENs from UK, NE and FR
 - **Stimulate cooperation, collaborative work**
 - **Establish partnerships between actors**
 - **Allows distant education, cultural heritage**
 - **Ensure sustainability after project end**
 - ...

GÉANT - the global dimension



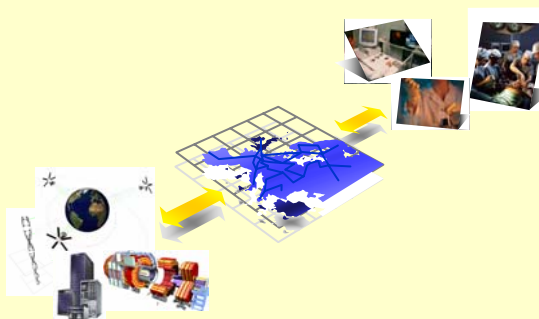
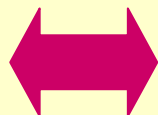
- GÉANT and NORDUNET Networks
- North America/Japan cooperation
- SPONGE
- SEEREN
- EUMEDCONNECT
- ALICE
- TEIN2

Further info on *e*Infrastructures

Web page
www.cordis.lu/ist/rn/



Newsletter



Brochures



Workshops

