

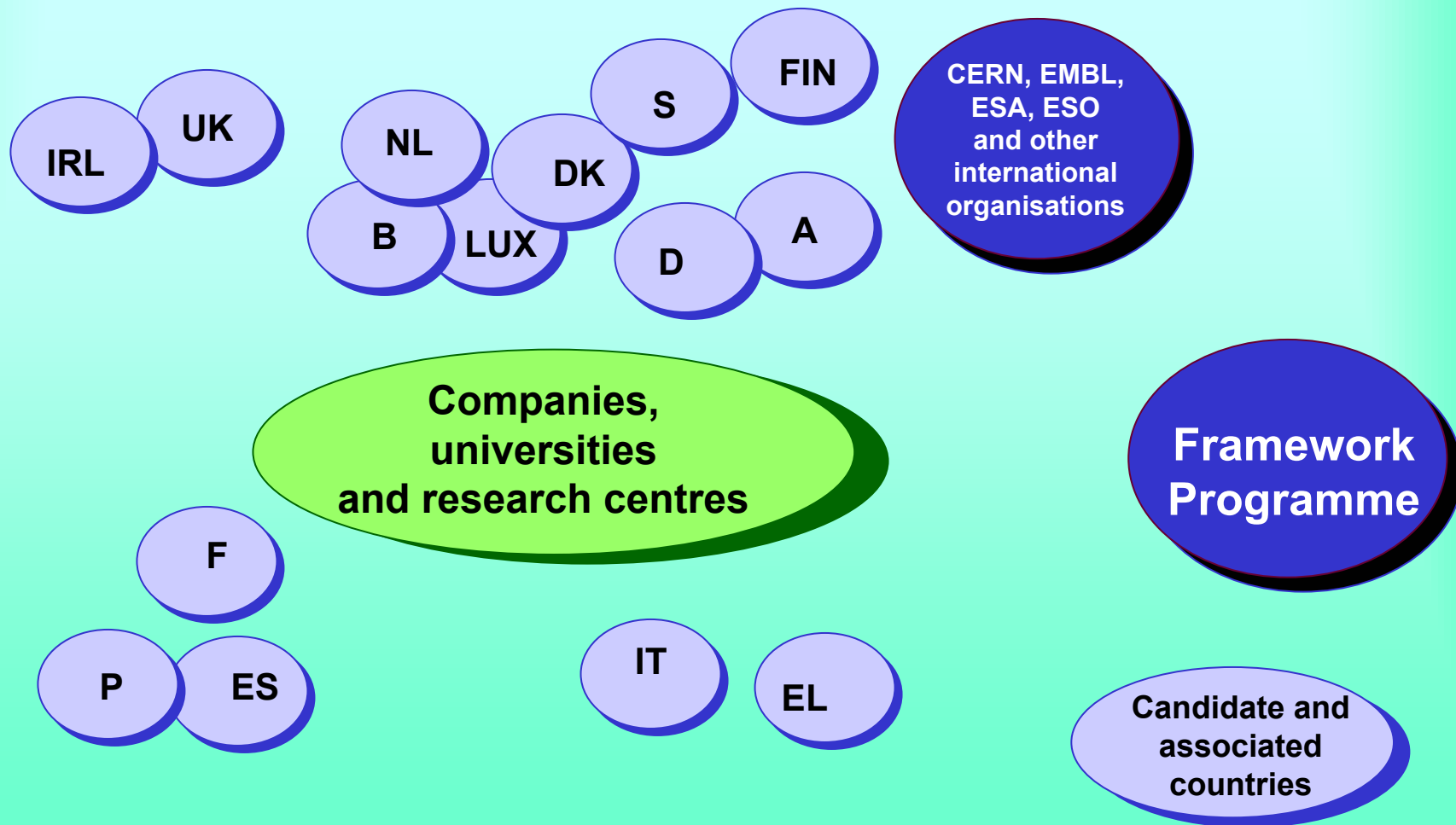


ERA - FP6 - ESFRI

***Presentation by Jean-Louis Picqué
“The EU eInfrastructure initiative”
Athens - 12 June 2003***



European Research : a fragmented landscape

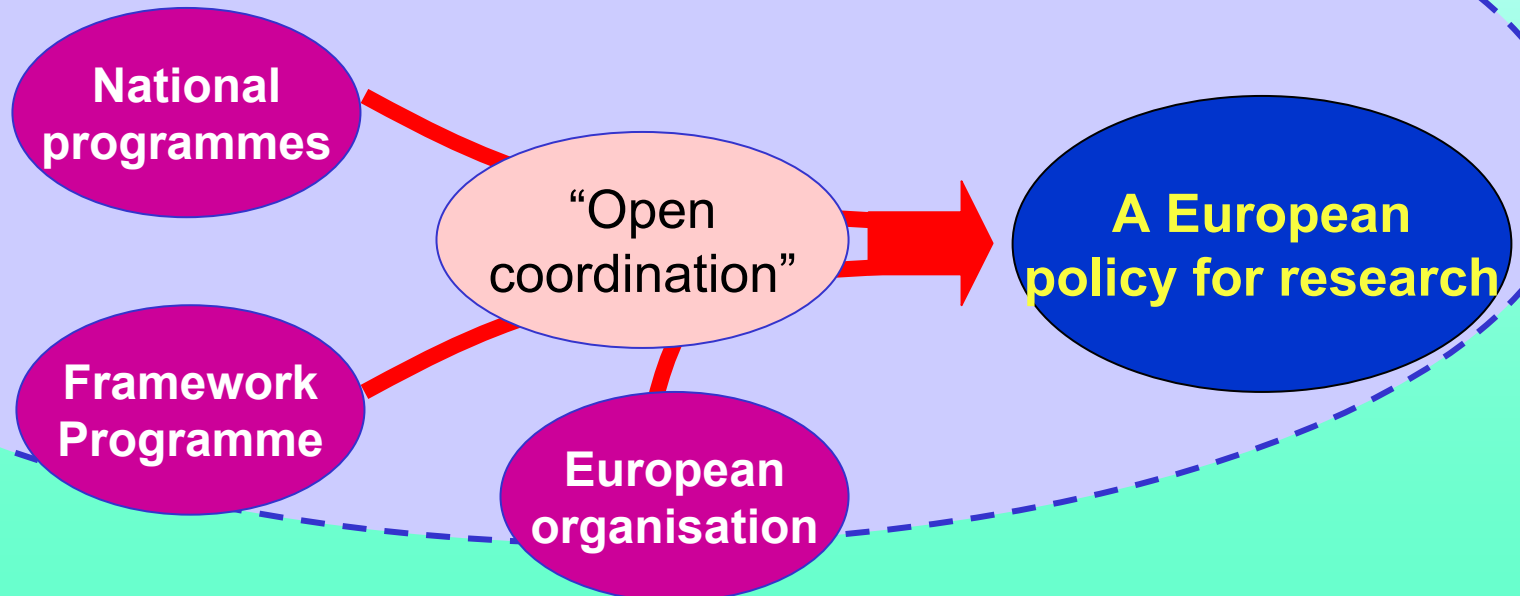




The European Research Area

- Proposal January 2000
- Broad support in political and scientific circles
- Implementation ongoing

European Research Area





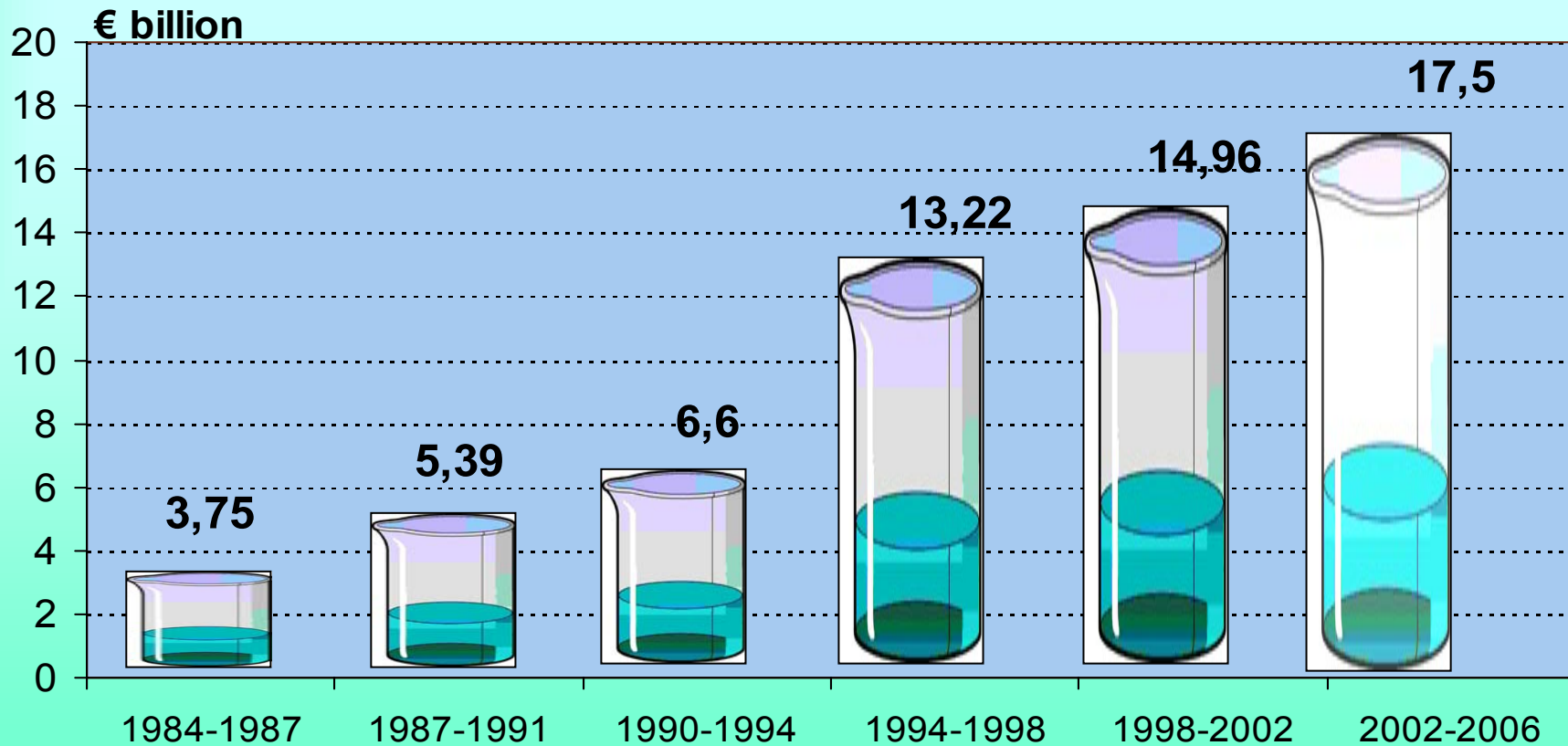
The EU eInfrastructure

- *An essential tool for the construction of the ERA*
- *Connecting more than 3000 R&D centers*
- *Giving access to all European scientists*
- *Structuring scientific communities in various disciplines*



Framework Programmes The budget over time

European Commission - Directorate-General for Research



Structure of the new FP*

Integrating European Research (82%)								
Priority Themes					Anticipating s/t needs			
Genomics and biotechnology for health	Information society technologies	Nanotechnologies, intelligent mat., new production processes	Aeronautics and space	Food safety and health risks	Sustainable development and global change	Citizens and governance in the knowledge society	Policy-oriented research	Frontier research, unexpected developments
							Specific SME activities	
							Specific international cooperation activities	
							JRC activities	

Structuring ERA (16%)			
Research and innovation	Human resources & mobility	Research infra-structures	Science and society

Strengthening ERA foundations (2%)	
Coordination of research activities	Support to research and innovation policy

* excluding Euratom



The FP6 Research Infrastructure action

- **Increased budget:**
 - € 655 Mio (incl. € 200 Mio for GEANT and Grids)
- **Main objectives:**
 - *provide access to the infrastructures, irrespective of their location in Europe*
 - *promote optimum development of new and enhanced infrastructures*
- **Open to all fields of science and technology**



Research Infrastructures in FP6 Support Schemes

- For existing infrastructures
 - *Integrated Infrastructure Initiatives*
 - *Transnational Access*
 - *Communication Network Development (IST)*
- For new infrastructures
 - *Design Studies*
 - *Construction of New Infrastructures*

The Communication Network Development Scheme

- **Implemented by DG INFSO, in conjunction with IST priority thematic area**
 - **high-capacity, high-speed communication network (GEANT)**
 - **high-performance Grids and test-beds**



The FP6 Co-ordination Group on Research Infrastructures

Includes DG Research and DG INFSO

- *To co-ordinate efforts between priority thematic areas and the research infrastructure action*
- *To explain the strategy and actions on Grids and GEANT*
- *To account for the needs from the user communities*



The European Strategy Forum on Research Infrastructures

- **set up by Member States**
- **with the Commission providing support and synergies with FP actions**
- **informal group of high-level national representatives**
- **5 meetings since 25 April 2003**



The European Strategy Forum objectives

- to support a coherent and strategy-led approach to policy making on research infrastructures in Europe
- to facilitate multilateral initiatives for the development of research infrastructures (incubator for “variable geometry” arrangements)



European Strategy Forum

- **Creation of a Working Group on High Performance Computing and Networking**
- **to identify the scientific needs and challenges**
- **to co-ordinate the Grid initiatives**