

ICCAS 2002 - WONDERMAR II

Malmö, 12 September 2002

**Towards the European Community's 6th
Framework Programme**

**Ralf Hansen,
IST Programme, Key Action II**



FP6 and the European Research Area

- **Moving to a European level Research Policy**
- **Strengthen co-operation between national and EU activities**
- **Concentrate and focus effort to add value**
- **Improve links between national and EU policies and schemes**
- **Prepare for the EU enlargement process**
- **Simplify management and implementation procedures**
- **FP6: an essential tool in support of ERA**

**“Making a reality of the European Research Area”
Commission Communication, October 2000**



6th Framework Programme for Research

INTEGRATING EUROPEAN RESEARCH									
PRIORITY THEMATIC AREAS							ANTICIPATING S/T NEEDS		
Genomic 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	Research for policy support	Frontier research, unexpected developments	
							Specific SME activities		
							Specific international cooperation activities		
							JRC activities		

STRUCTURING THE ERA			
Research and innovation	Human resources & mobility	Research infrastructures	Science and society

STRENGTHENING THE FOUNDATIONS OF ERA	
Coordination of research activities	Development of research/ innovation policies



Main Areas of FP6 Budget

Integrating & Strengthening ERA

- **Genomics** 2,255 M€
- **IST (100 M€ Géant/GRID)** 3,625 M€
- **Nanotechnologies, intelligent materials, new processes** 1,300 M€
- **Aeronautics and space** 1,075 M€
- **Food quality & safety** 685 M€
- **Sustainable development** 2,120 M€
- **Citizens & governance** 225 M€
- **Anticipation of S&T needs** 1,300 M€
- **JRC non-nuclear research** 760 M€

13,345

Structuring ERA

- **Research & innovation** 290 M€
- **Human resources** 1,580 M€
- **Research infrastructures (200 M€ Géant/GRID)** 655 M€
- **Science/Society** 80 M€

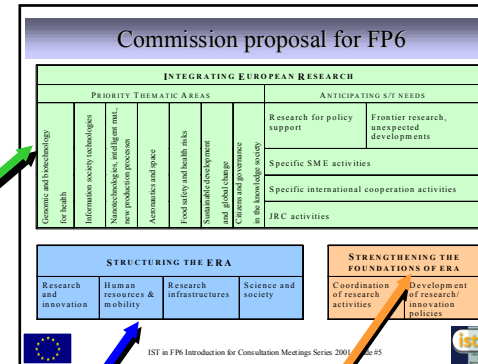
2,605

Reinforcing the ERA basis

- **Support to co-ordination** 270 M€
- **Support to policy developmt** 50 M€

320

16,270 M€



The FP6 timetable

October 2001	Parliament 's first reading of FP6
10/12/2001	Council agreement on FP
January 2002	Council formal common position
10/01/02	Modified proposal on Rules for participation
31/01/02	Modified proposal on Specific programmes
Feb - May 2002	Parliament second reading of FP
September 2002	Final adoption of FP6
September 2002	Final adoption SP & participation rules
~December 2002	First FP6 call



FP6 is not business as usual!

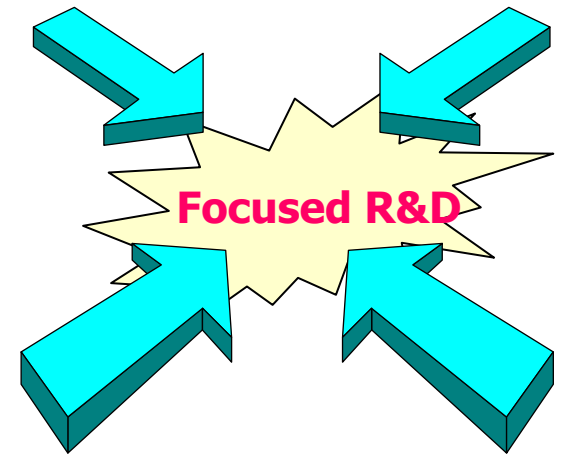
- **From “Project”-thinking to “Initiative”-thinking**
 - new instruments: “Integrated Projects” & “Networks of Excellence”
 - more strategic thinking
- **Develop Europe-wide approaches**
 - Community funding to help aggregate EU, Member State & private funded efforts
 - not just supporting RTD ...
- **Different way of describing content and calls**
 - a lighter workprogramme, different sequencing of calls, ...



Integrated Projects

Purpose

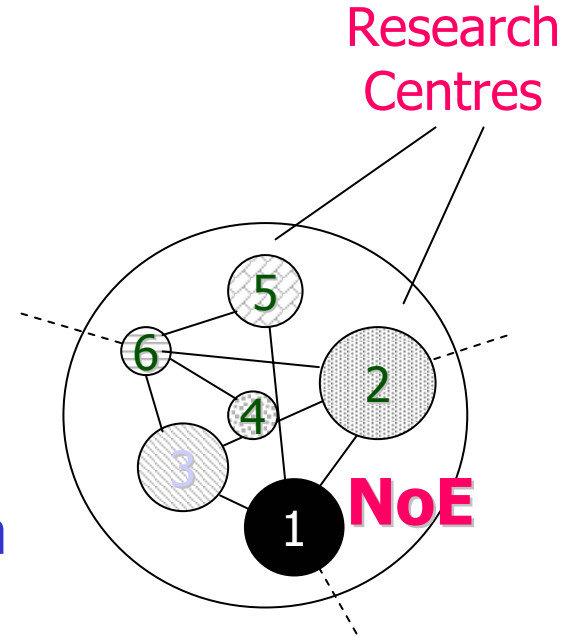
- **Designed to support research that is objective and results driven**
- **IPs should**
 - **integrate the types of activities needed to achieve the goals**
 - **integrate a critical mass of resources needed to achieve the goals**
 - **integrate all elements of the technology value chain to attain high-impact goals**
 - **support industry-academia collaboration including SMEs**



Networks of Excellence (NoE)

Objectives

- To reinforce scientific and technological excellence
- By integrating research capabilities across Europe
- Progressing knowledge on a particular theme
- To act as ...
“Virtual Centres of Excellence”



Some emerging research topics

- ***Networked business and government***
- ***Product design and manufacturing***
- ***Safety of Road Vehicles and Transport systems***
- ***Cross-media content development***
- ***Technology-enhanced learning and access to culture***
- ***Open development platforms for software and services***
- ***Semantic-based knowledge systems, Building cognitive systems***
- ***Dependability and security framework, Improving Risk management***
- ***Embedded systems***
- ***post-CMOS, Micro and nano-systems, displays, optical opto-electronic, photonic components, Interfaces***
- ***Broadband Access, networked audio-visual systems, home networks, Mobile and wireless after 3G, Applications and Services for the Mobile User, e-Inclusion***



For more information...

Web:

<http://www.cordis.lu/ist/fp6/fp6.htm>

http://europa.eu.int/comm/information_society/europe/

<http://www.cordis.lu/rtd2002>

<http://europa.eu.int/comm/research/nfp/networks-ip.html>

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