

Dr. Reinhard Grunwald Strasbourg, February 7, 2009

# Universities at a Crossroads

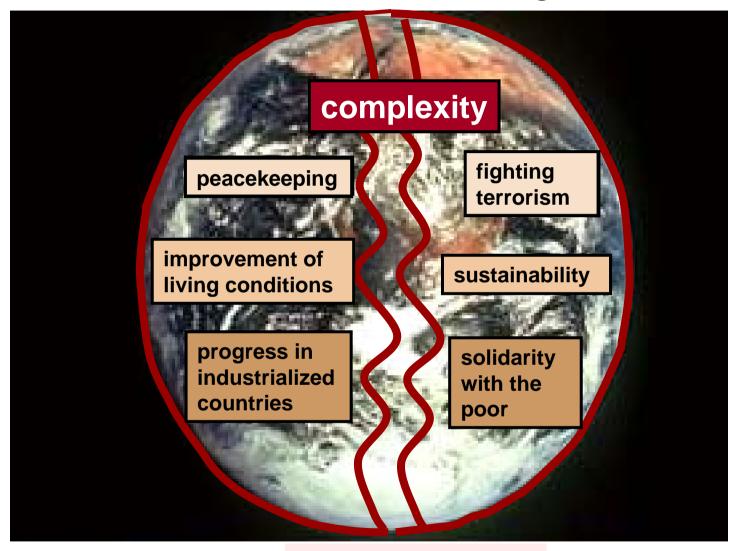
Science and Education between Ivory Tower and Market Place



#### Between Two Hard Places



# Science for Innovation: Aims Envisaged



Knowledge is the basis for action



#### Reasons for Internationalisation

- increasing globalisation
   (economy; global questions: migration, climate)
- European integration
   (developing a European Research Area / Higher Education Area)
- fierce competition of the best and for the best
- increasing mobility



#### International Co-operation

#### **Problems**

- competition
- rigid structures
- national traditions

lack of mutual trust

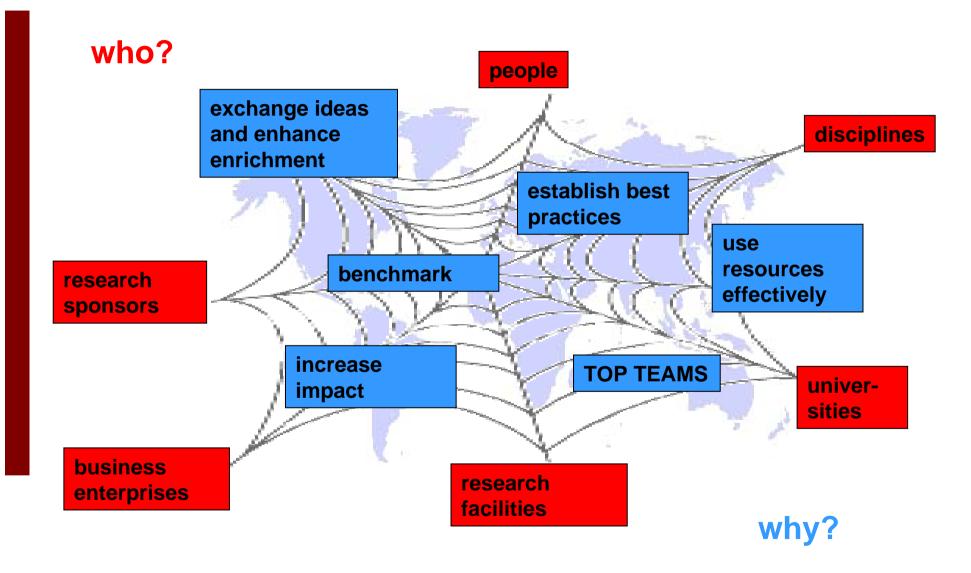
diverging interests

 insufficient legal frameworks



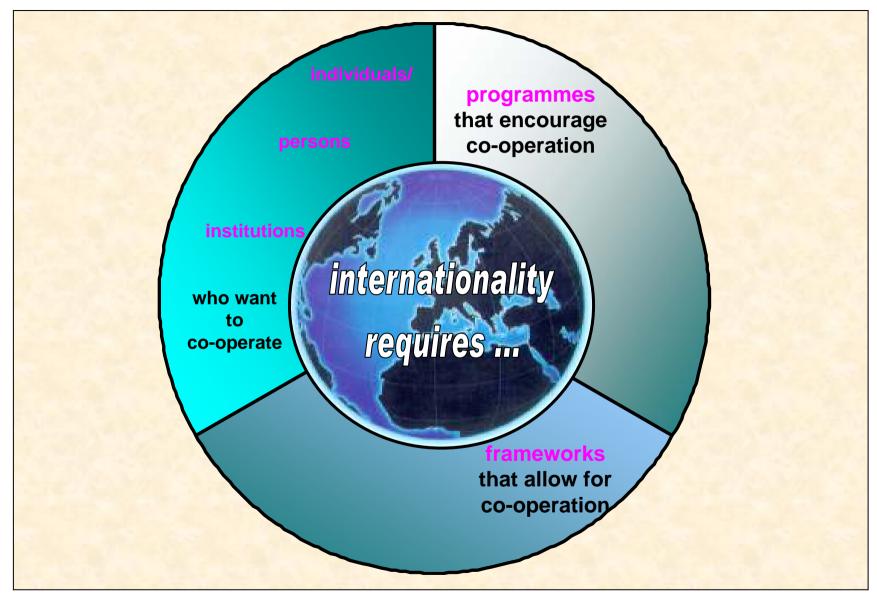
- competition
- added flexibility
- access to a large, international knowledge-pool;
- acquisition, development and improvement of techniques and know-how
- common interest;
   mutual benefit;
   added value
- finding solutions to global problems

#### Innovation needs international integration



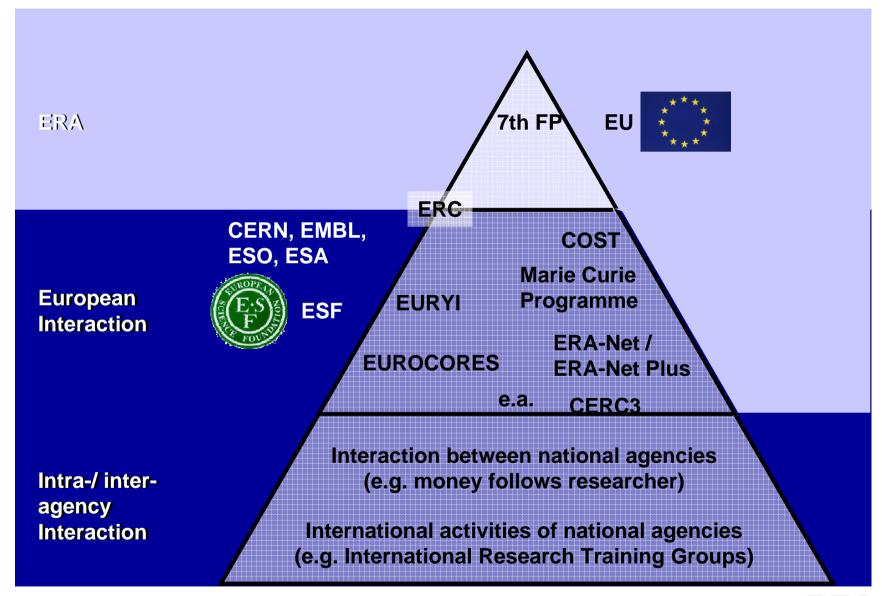


### The Tripod of Internationality





#### Levels of European Interaction





### The European Research Council

- Funding of basic research in all fields of science and the humanities
- Peer Review system
- excellency as the sole selection criterion
- governance structure: "at arm's length" to the EU Commission
- budget in total (2007-2013): 7,56 bn €
- 1st year: approx. 300 mio. €, 2nd ca.750 mio. € 3rd ff. ca. 1 bio. € 15% FP7

#### TWO FUNDING INSTRUMENTS

- 1. ERC Starting Independent Researcher Grant Scheme (from 2007)
  - approx. 200 grants annually, up to 5 years
  - 100 350 mio. € per year
- 2. ERC Advanced Investigator Grant Scheme (start in 2nd year of ERC, 2008)
  - approx. 200 grants per year
  - 100 500 mio. €per year

# Challenges



# The Balancing Act of Internationalisation

# keeping the balance

co-operation competition in order to stay at the cutting-edge



#### What does this mean for the individual university?

- . Nosce te ipsum: Get to know your strengths, weaknesses, opportunities.
- . Create an environment which attracts the best teachers and students.
- . As much central leadership, planning and quality assurance as necessary, as much decentralized responsibility and room for creativity as possible,
- . Trust and help especially the young scientists, not to become little Ceasars quickly, but to become good Senators in the science republic,
- . Establish international best practice and quality standards.



#### How to Go about It?



- to open up research opportunities
- to take advantage of the knowledge resources available worldwide
- to co-operate with the best partners
- to attract foreign researchers / scientists
- to internationalise education
- to further international agendas in politics, society, research and research management



# Facilitating smooth sailing

