

Deutsche
Forschungsgemeinschaft

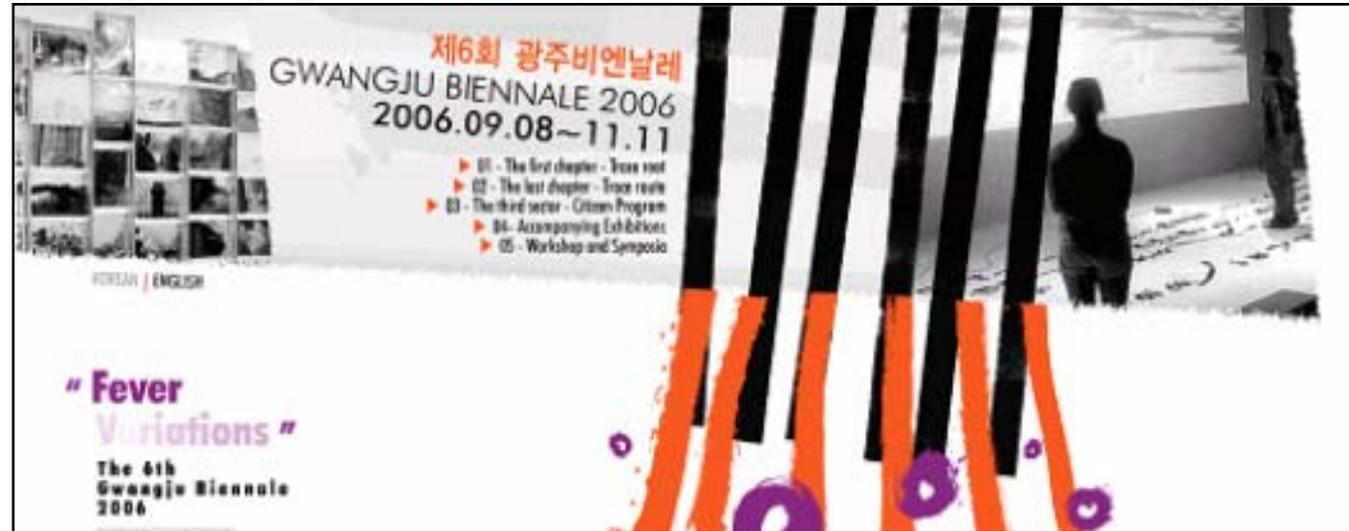


Promotion of Young Scientists

Prof. Dr. Ernst-Ludwig Winnacker
01.11.2006

DFG

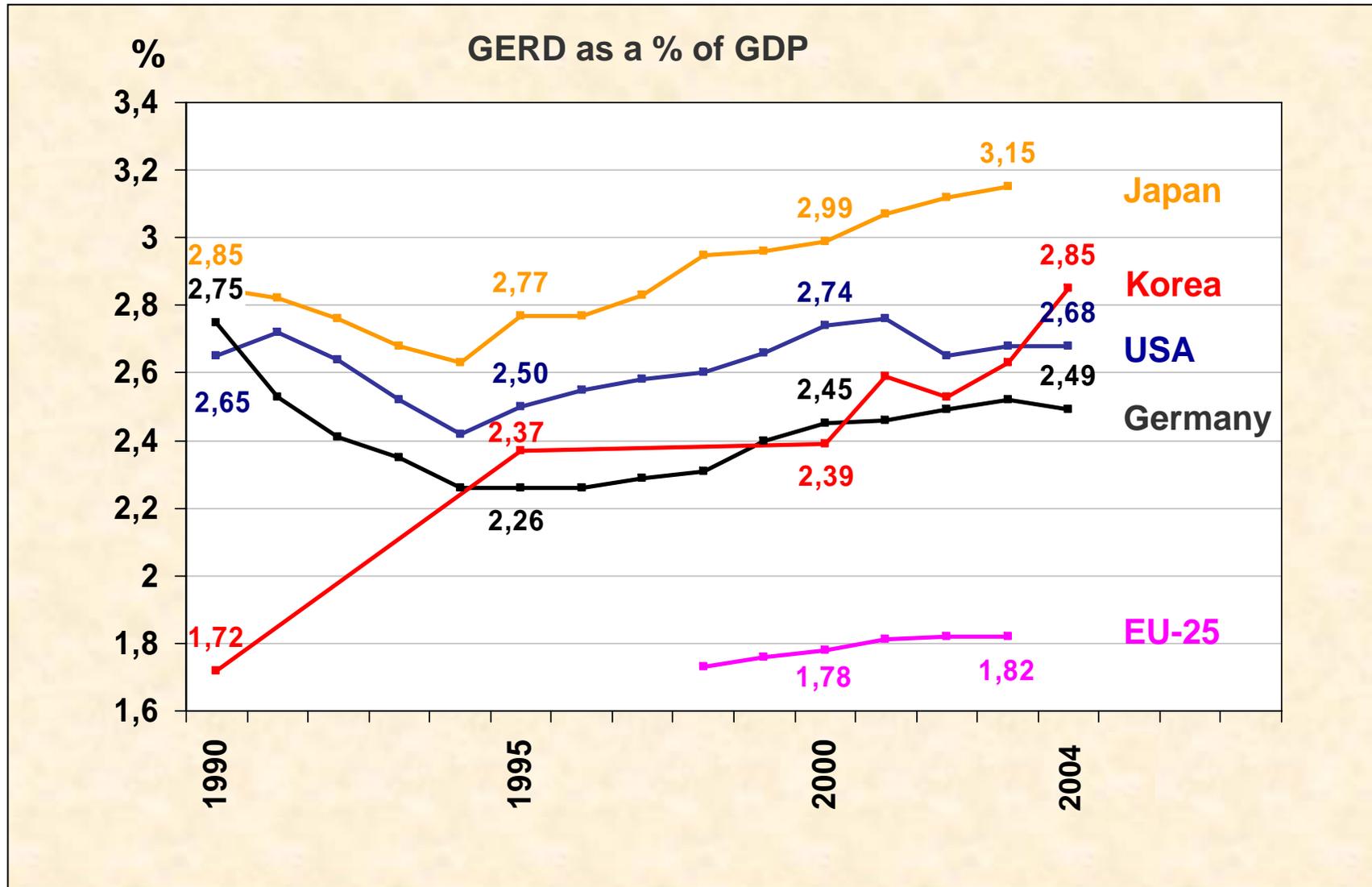
In the News in Europe....



... on 16 October, 2006 in the *Neue Zürcher Zeitung*

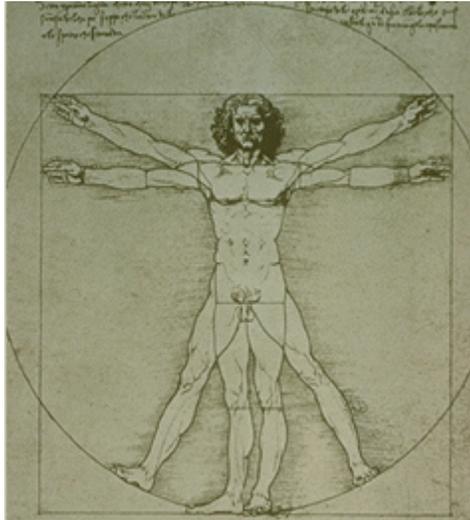
Illustration taken from: http://www.kleinert.de/illustratoren/schuessler/Zeitungleser_T.gif;

Research Needs Sufficient Funding: International Comparison of R&D Spending



Source: <http://www.wko.at/statistik/eu/eu-forschungsausgaben.pdf>, OECD: Main Science & Technology Indicators 2004/1, p. 18 and 2005/2, p. 18 and 24-25;
<http://www.globalwatchservice.com/pages/ThreeColumns.aspx?PageID=373>; <http://www.most.go.kr/>

It is the Human Being that Counts



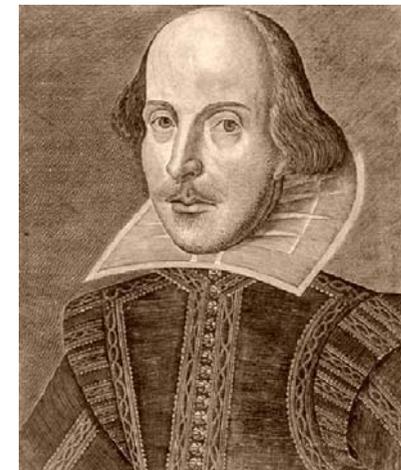
There is no research without researcher: People are at the heart of science.

Building up the human potential is the alpha and omega of science.

"Some are born great, some achieve greatness, and others have greatness thrust upon them" (Shakespeare, Twelfth Night, Act II, Scene V)

In our world, we cannot rely on researchers being born researchers, or researchers being thrust upon us,

in our world, we have to foster the researcher in the child, the researcher in the growing man / woman and the researcher in the early stages of the academic career.



DFG-Promotion of Young Researchers

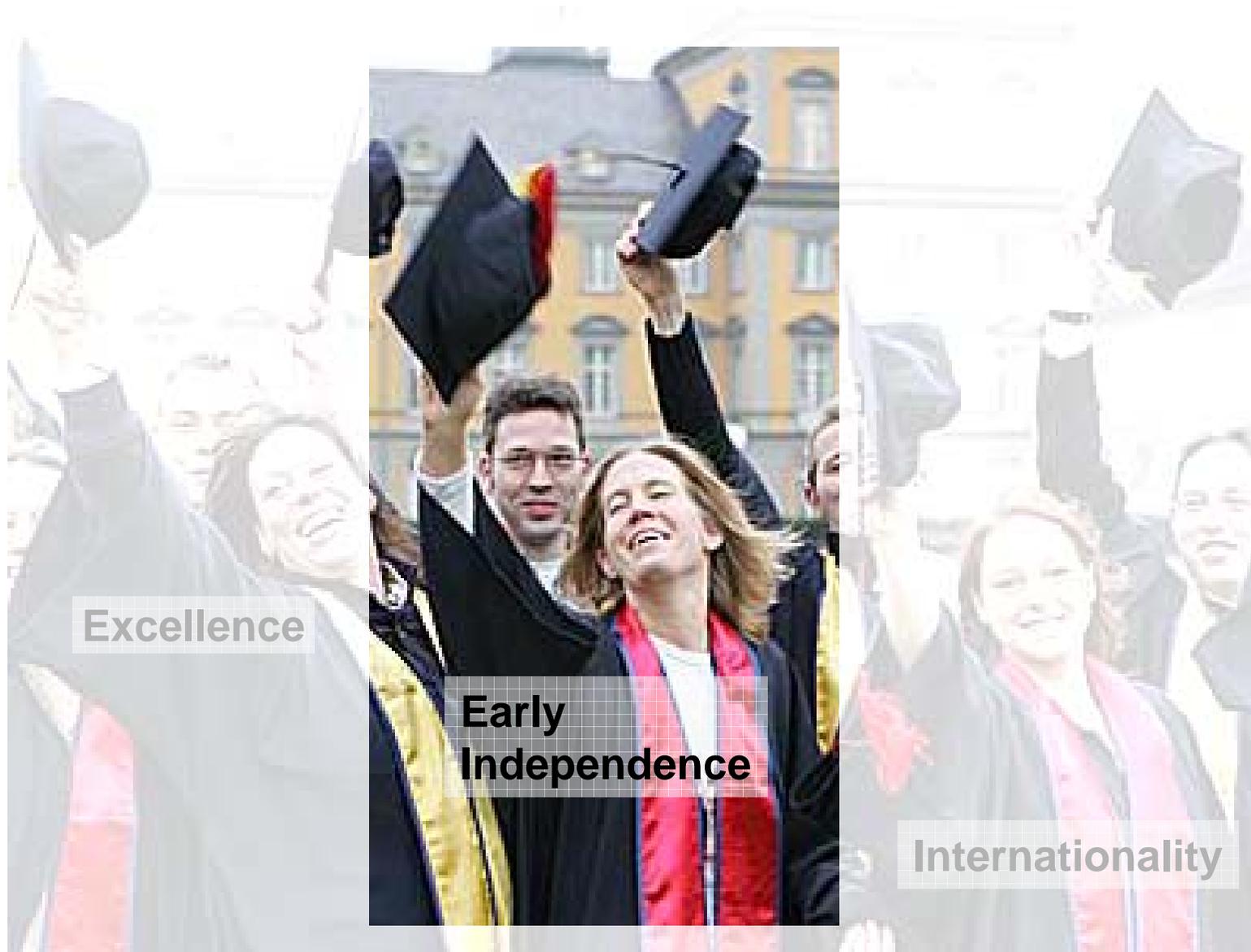


Excellence

**Early
Independence**

Internationality

DFG-Promotion of Young Researchers



Excellence

Early
Independence

Internationality

DFG's Promoting Young Researchers

Promoting early independence

Funding for one's own position

- opportunity to carry out research projects independently at an early stage



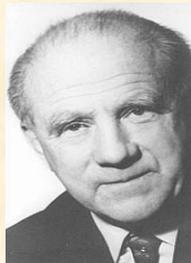
Emmy Noether Programme

- opportunity to acquire the formal qualifications for a professorship after the PhD



Heisenberg Programme / Professorship

- funding for excellent young researchers who already hold the formal qualifications for a professorship



Promoting Research Training

Research training groups

- education and training of doctoral and post-doctoral students within the framework of an interdisciplinary research programme



EURYI Awards

- joint call for proposals by European research funding organisations under the umbrella of EUROHORCs
- funding for outstanding young researchers to work in one of the participating European countries



(International) Research Training Groups

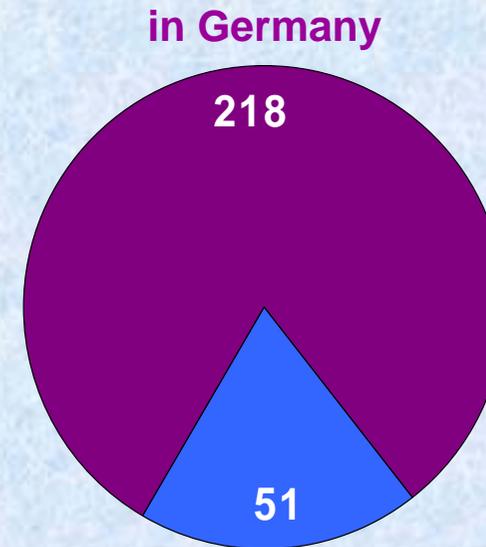
Research Training Groups

- established in 1990
- linking research and training
- funding for a maximum of 9 years to support young researchers in their pursuit of a doctorate

- currently funded:
269 Research Training Groups

International Research Training Groups

- established in 1998
- provide opportunities for joint doctoral training programmes between German universities and universities abroad
- jointly developing and supervising the research and study programmes
- doctoral students in the programme complete a six-month research stay at the respective partner institution

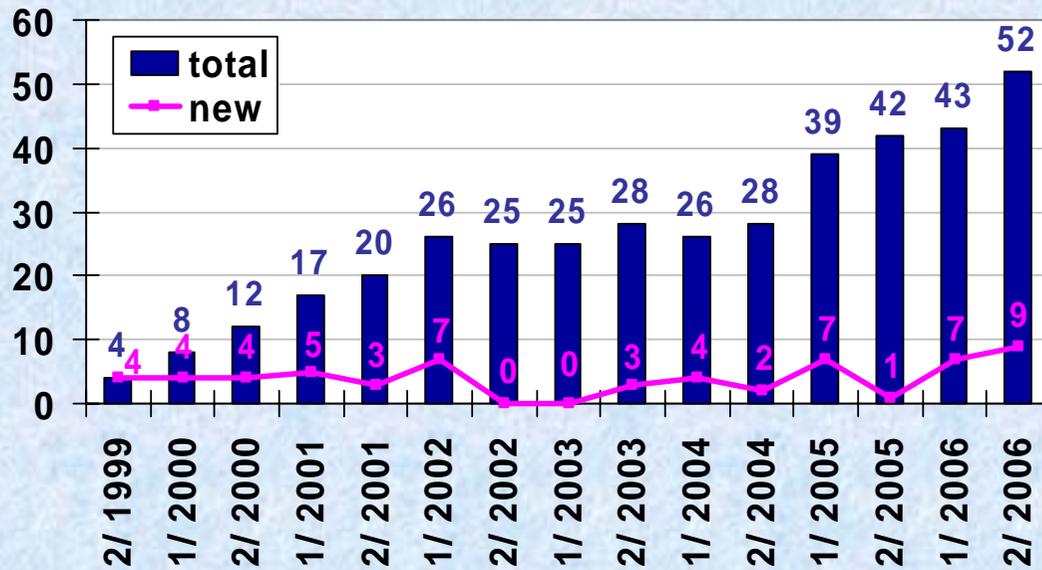


international Research Training Groups

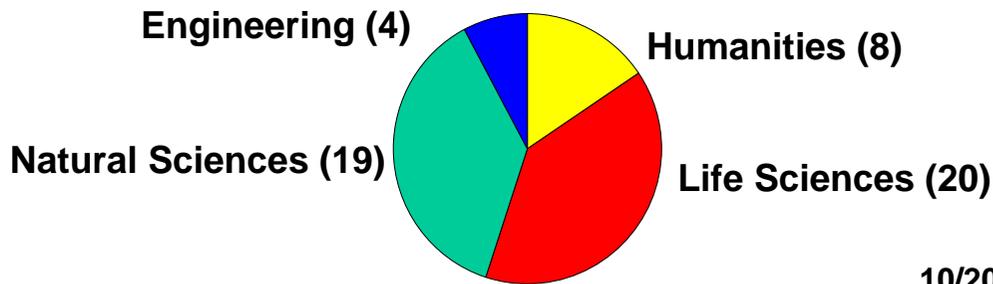
(Date 10/ 2006)

International Research Training Groups

Number of Internat. Research Training Groups



Approvals by Scientific Disciplines



bilateral:	
Netherlands	8
France	7
USA	5
China	5
Switzerland	4
Sweden	3
UK	2
Poland	2
Denmark	2
Italy	1
Norway	1
Hungary	1
Japan	1
Korea	1
Russia	1

trilateral:	
France / UK	1
UK / Belgium	1
Italy / Austria	1
France / Luxemburg	1
Switzerland / Austria	1
Japan / USA	1

quadrilateral:	
Denmark / Finland / Italy	1

10/2006

DFG-Promotion of Young Researchers



Excellence

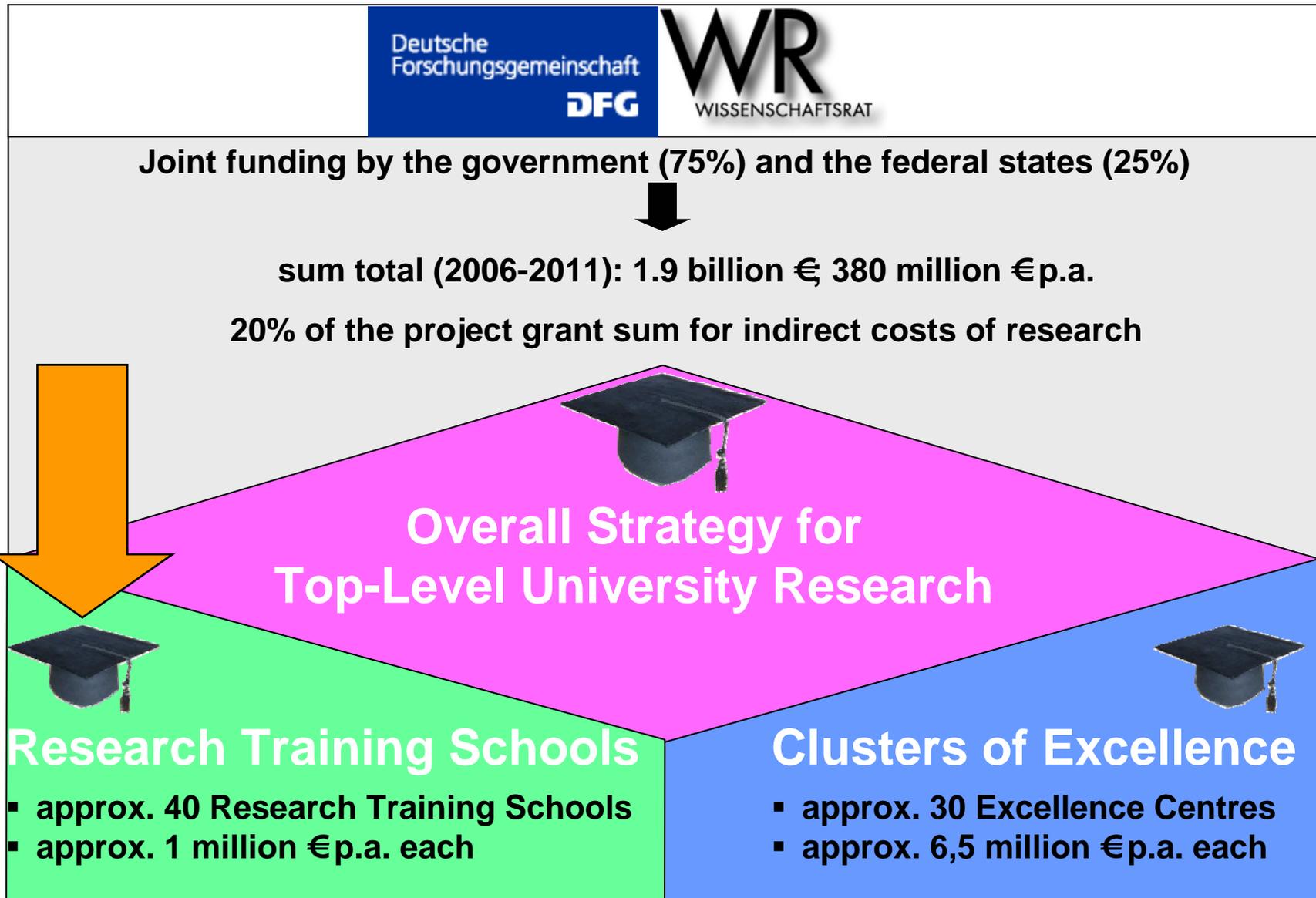
**Early
Independence**

Internationality

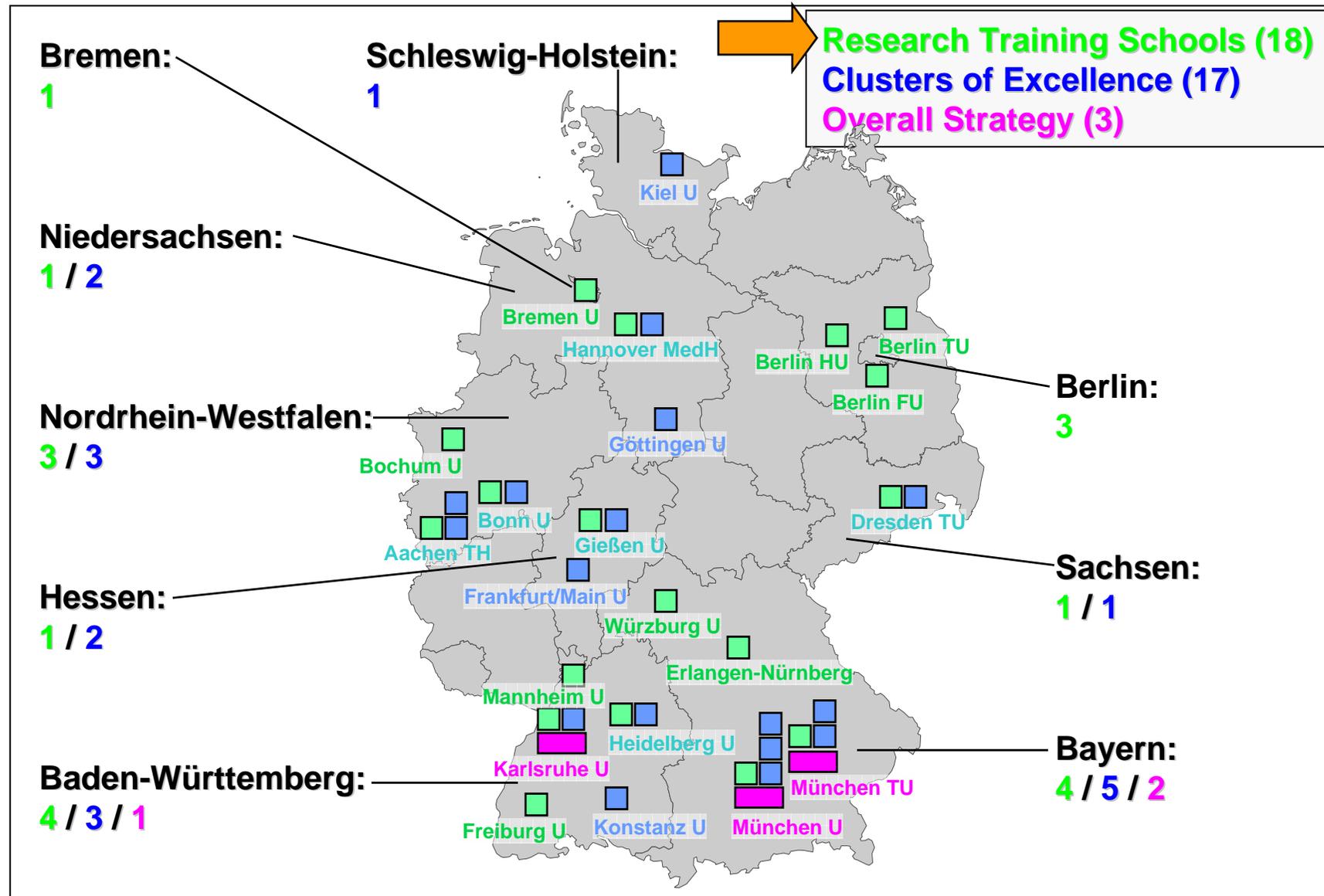
Illustration taken from: http://www.wdr.de/themen/kultur/bildung_und_erziehung/uni_bonn/050709.jhtml

DFG

The German "Excellence Initiative"



Results in the 1st Round of the Excellence Initiative (Oct. 2006)



DFG-Promotion of Young Researchers



Excellence

Early
Independence

Internationality

Examples of Funding Research in an International Context

Funding for Young Researchers

- DFG International Research Training Groups
- EURYI (European Young Investigator Awards)



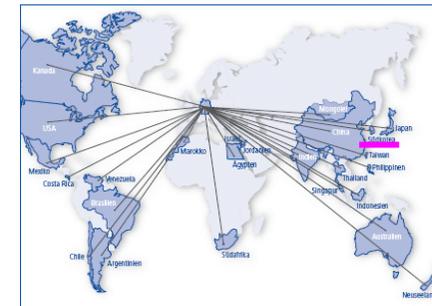
Supranational Funding Organization for Basic Research

- European Research Council



Cooperative Projects

- DFG Individual Projects
- Coordinated Programmes
 - DFG Research Centres
 - Collab. Research Centres
- Bilateral Projects and Project Preparation



Memoranda of understanding with partner organizations



The ERC: Strengthening Basic Research in Europe



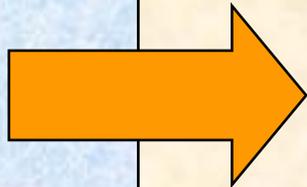
TWO FUNDING INSTRUMENTS

1. ERC *Starting Independent Researcher Grant Scheme* (from 2007)

- approx. 200 grants annually
- funding for up to 5 years per proposal
- 300-350 mio. € per year

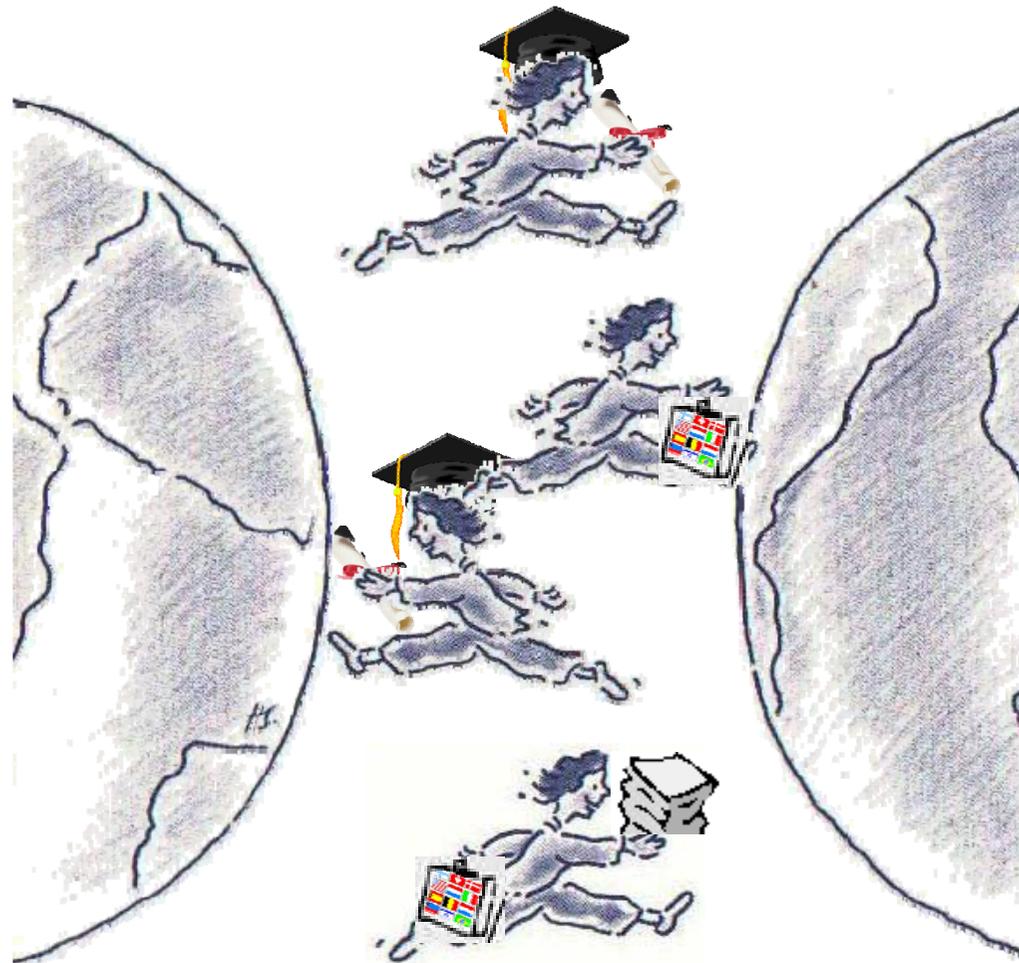
2. ERC *Advanced Investigator Grant Scheme* (start in 2nd year of ERC expected)

- approx. 200 grants per year



Korean – German / European Cooperation

Germany
and
Europe

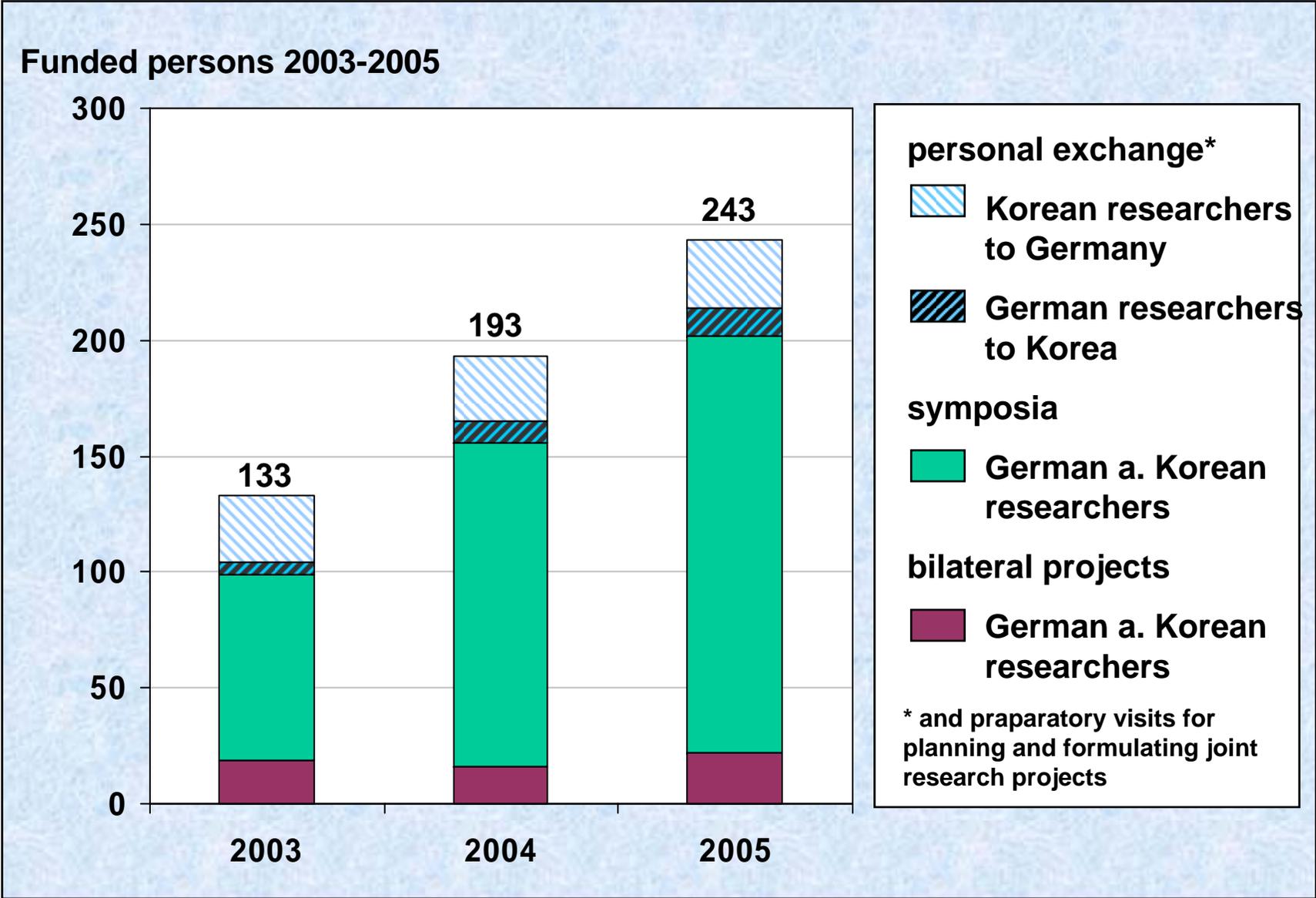


Korea

Illustration taken from: <http://www.icja.de/50jump.JPG>

DFG

DFG-Funding in Cooperation with KOSEF and KRF



First German-Korean Research Training Group in Optoelectronics

Research Training Group: "Self-organised Materials for Optoelectronics"

- from 02.11.2006
- linking basic research and application-oriented research
- interdisciplinarity

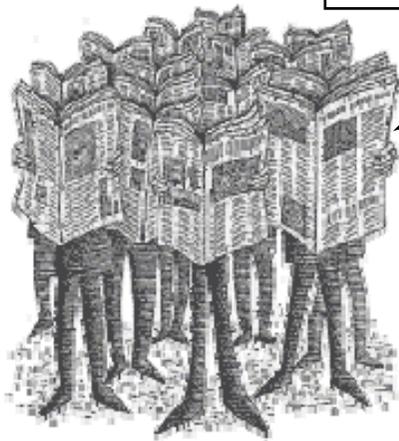
	Germany 	Korea 
Research Funding Organisations	German Research Foundation (DFG)	Korea Science and Engineering Foundation (KOSEF)
Participating universities	University of Mainz (coordinator: Prof. Dr. Rudolf Zentel, Inst. of Organic Chemistry)	Seoul National University (coordinator: Prof. Dr. Do Yeung Yoon, Dep. of Chemistry) Hannam University

Formula for success:

internationally accepted material sciences and basic research (German side) in cooperation with world-famous application-oriented research (Korean side)

In the News in Korea?

**DOCUMENTA
KASSEL
16/06 — 23/09
2007**



**Thank you for
your attention**