

Deutsche
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The DFG's Involvement in European Research Funding

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Aim of the Paper

1. Illustration of the DFG's experience in handling European research funding by showing three DFG instruments and the corresponding multilateral instruments (with DFG participation)

2. Analysis of these experiences on a European level:

What can the National Research/ Funding Agencies (NRFAs) and science administrators learn from their European experiences in the perspective of the European Research Area (ERA) and the creation of a European Research Council (ERC)?

3. What are possible consequences for the future work and collaboration of the main funding protagonists within the ERA under FP7?

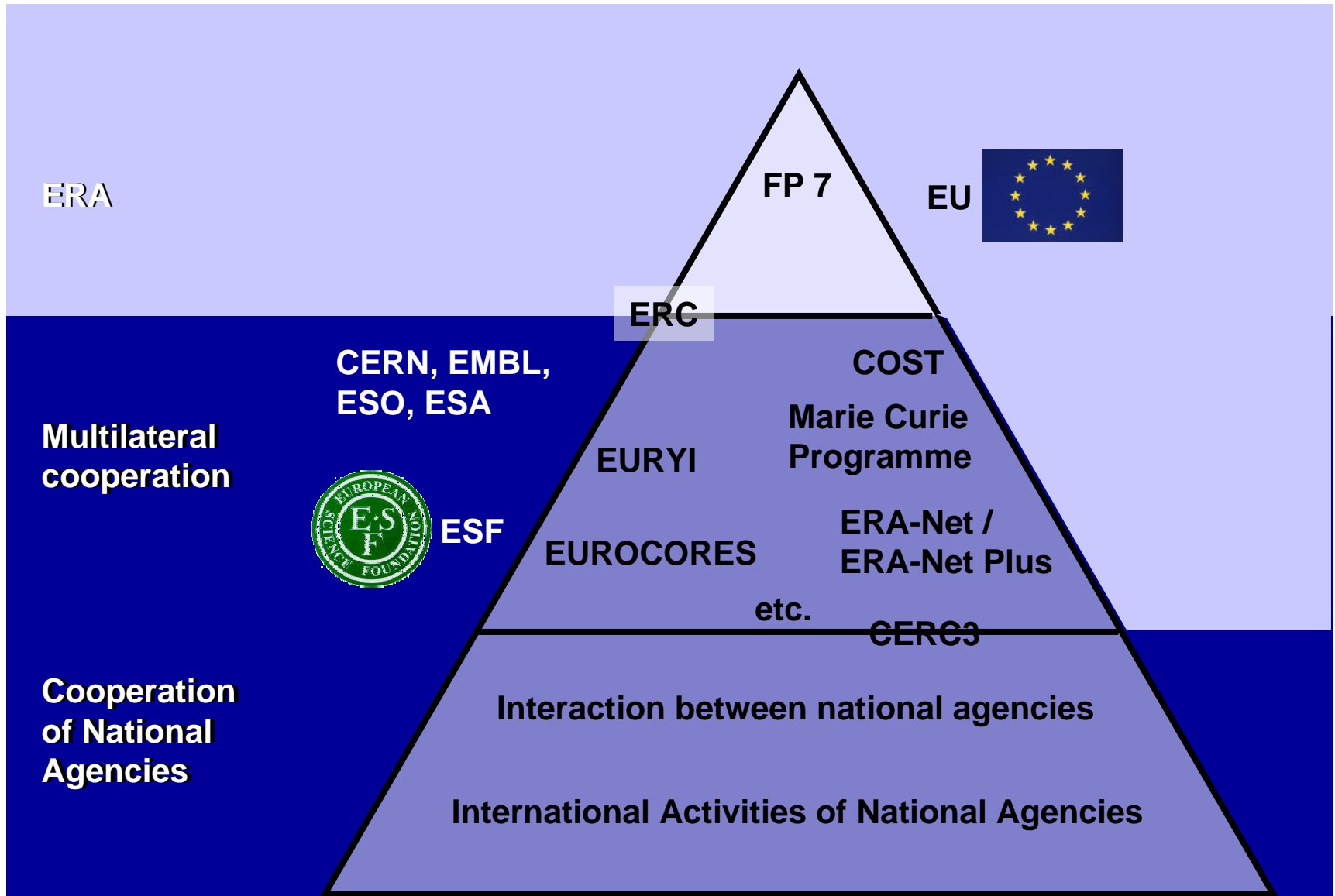
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A) Three levels of European Research Funding in Basic Research

- 1. Research funding at the cooperation level of National Research Funding Agencies (DFG, CNRS, NWO etc.)**
- 2. Research funding within joint programmes implemented by European multilateral organisations (EUROHORCs, ESF, EMBL, ESA etc.)**
- 3. Research funding within the Framework Programme of the CEC („ERA-funding“)**

Levels of European Research Funding in Basic Research



B) Three parametres representing the administrative procedure for European research funding:

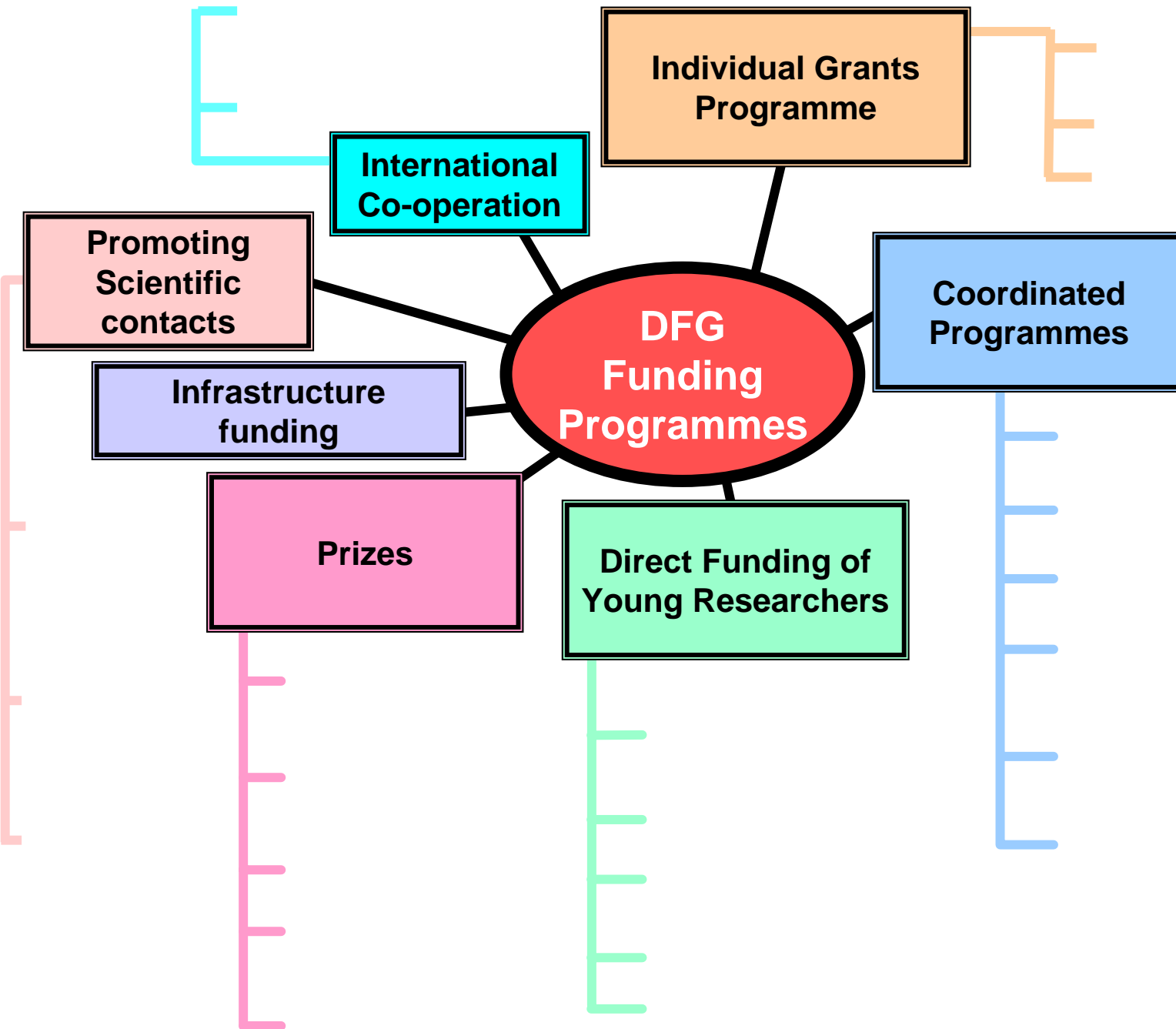
- 1. Joint call for proposals**
- 2. Joint peer review**
- 3. Joint funding procedure (separate, common pot-components, EU-budget)**

1. Brief Information on the DFG and its Funding Principles



The Mandate

- **Central self-governing research funding organisation in Germany**
 - **Serving all fields of science and research**
 - **Supporting scientific excellence in competition**
 - **Bottom-up funding policy**
 - **Peer review**
- **Promoting international cooperation**
- **Promoting young researchers**
- **Advising parliaments and governments on scientific matters**



International dimension of all DFG programmes

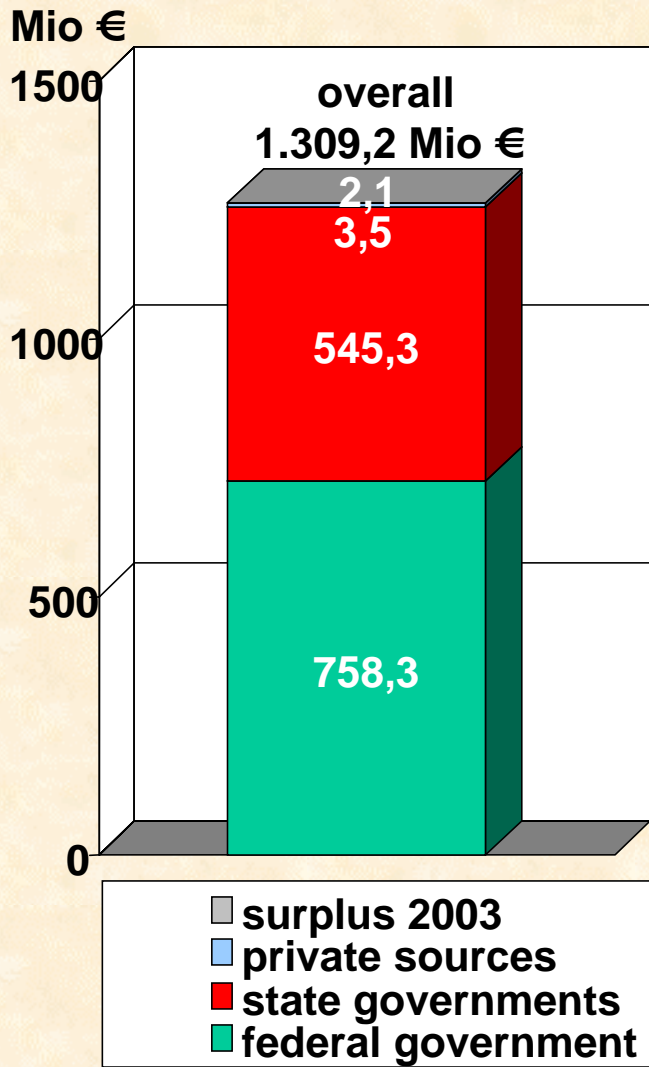
- researchers from all countries can be employed in DFG projects
- parts of projects can be performed abroad with foreign partners
- projects can contribute to international coordinated programmes

- most research grants include funds for cooperation:
 - travel, invitation of guest scientists, international workshops

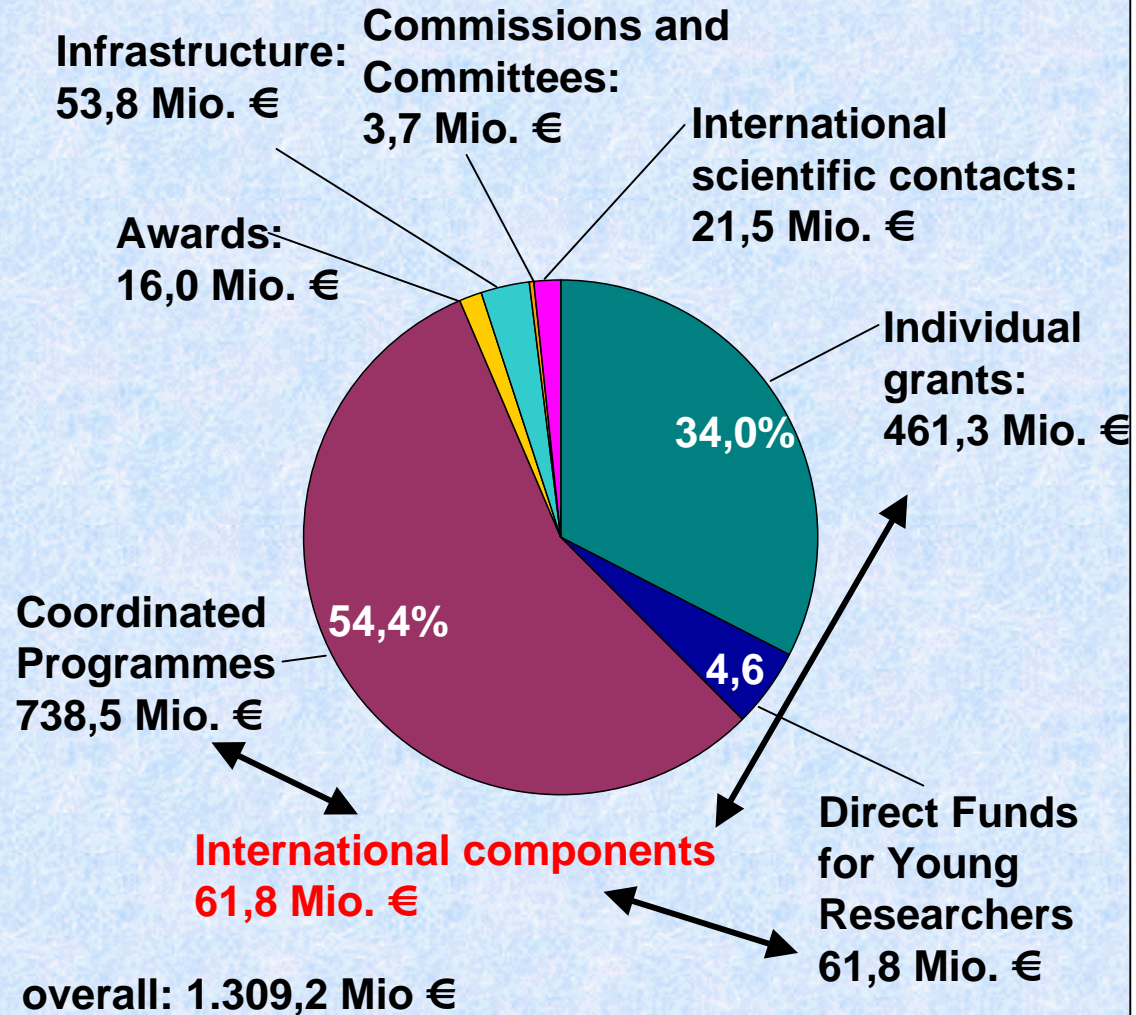
- joint projects based on complementary funding principle (examples) :
 - Individual Grants
 - International Research Training Groups
 - International Collaborative Research Centres (SFB)

DFG's Budget (2004)

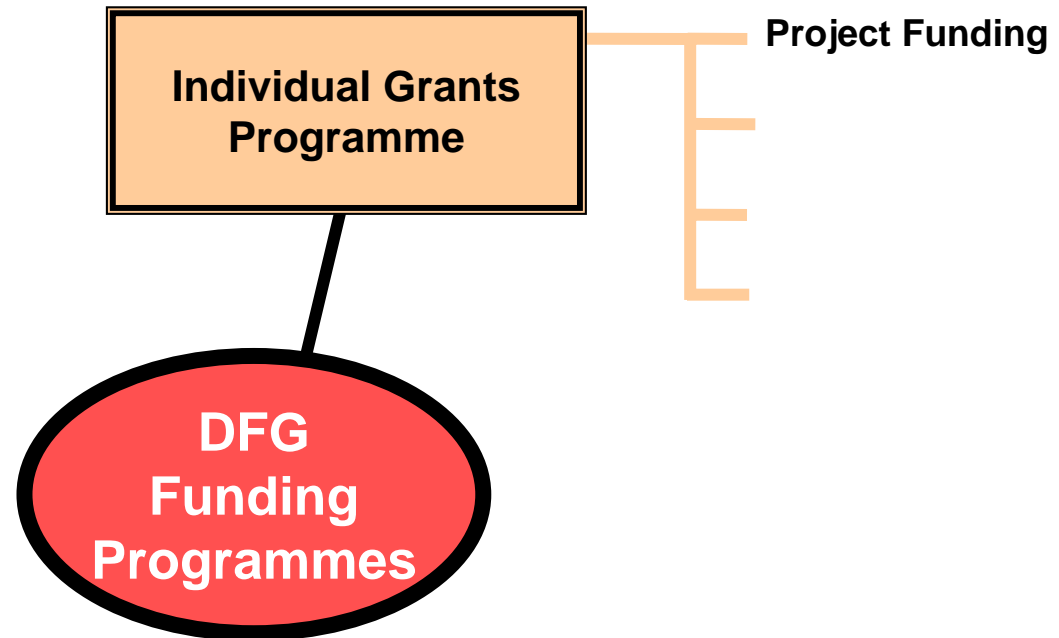
Sources of Funding



Use of DFG funding



2. European Cooperation within DFG's Individual Grants Scheme



DFG Individual Grants/ Research Grants

- Research in the framework of a time-limited and specified project
- Funding for **salary, staff, consumables and equipment, travel, other costs, e.g. publication costs**
- **No deadlines; proposal can be submitted all year round**
- **Period of funding:** in general 3 years; extension possible

DFG Joint Research Projects

- **application to be submitted by the partner in Germany**
- **co-funding for the non-German partner to be secured from other sources
(national funding organization)**

European cooperation at bilateral level within the DFG Individual Grants

For instance: bilateral projects with researchers from Middle-Eastern Europe

	1999	2000	2002	2005
Hungary	22	24	22	23
Czech Rep.	23	17	22	4
Poland	9	11	19	14

Joint written peer review partly implemented.

DFG policy: Introduction of joint peer review as a perspective for cooperation (within MoUs)

Individual Grants within Multilateral Agreements: the Case of CERC 3

Chairpersons and Directors of European Research Councils' Chemistry Committees (CERCCC or CERC3).
Founded in 1990

CERC 3 comprises representatives of national research councils in **17 European** countries which have responsibility for funding research and related postgraduate training in basic chemistry

The Committee has **no funds, assets or staff.**

Aim: provide a framework for the the CERC3 research councils to **align some of their resources** into projects carried out by collaborating international research groups (CERC3 Transnational Research Initiative)

Individual Grants within Multilateral Agreements: the Case of CERC 3

4 Calls: 1999, 2001 and 2002 (two calls)
Joint evaluation of the applications, while
maintaining national funding

1999: 7 joint proposals funded (2,5 Million €)

2001: (CNRS/ DFG): 29 joint proposals funded (7,5
Million €)

2002: 13 joint proposals funded (4,7 Million €)

“Juste retour” principle

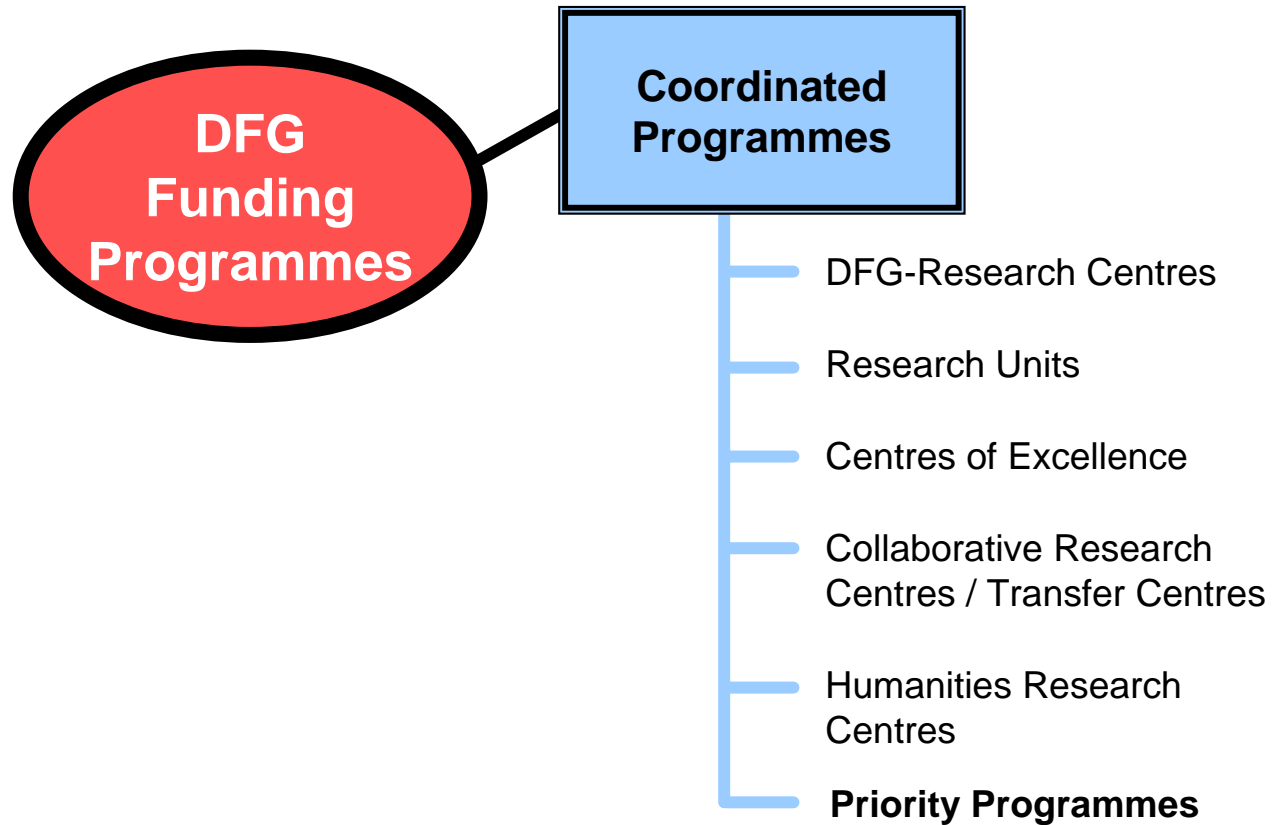
2. European cooperation within DFG's Individual Grants Scheme: Conclusion

DFG has a long experience in funding European cooperation within Individual Grants, together with other NRFAs.

Outcome from this experience:

	1st level (National Research Agencies: DFG, CNRS, NWO etc.)
Joint development of the procedure, joint announcement/ joint call for proposals	+
Joint peer review	to be improved
Joint funding procedure	-

3. European Cooperation within the DFG's Coordinated Programmes



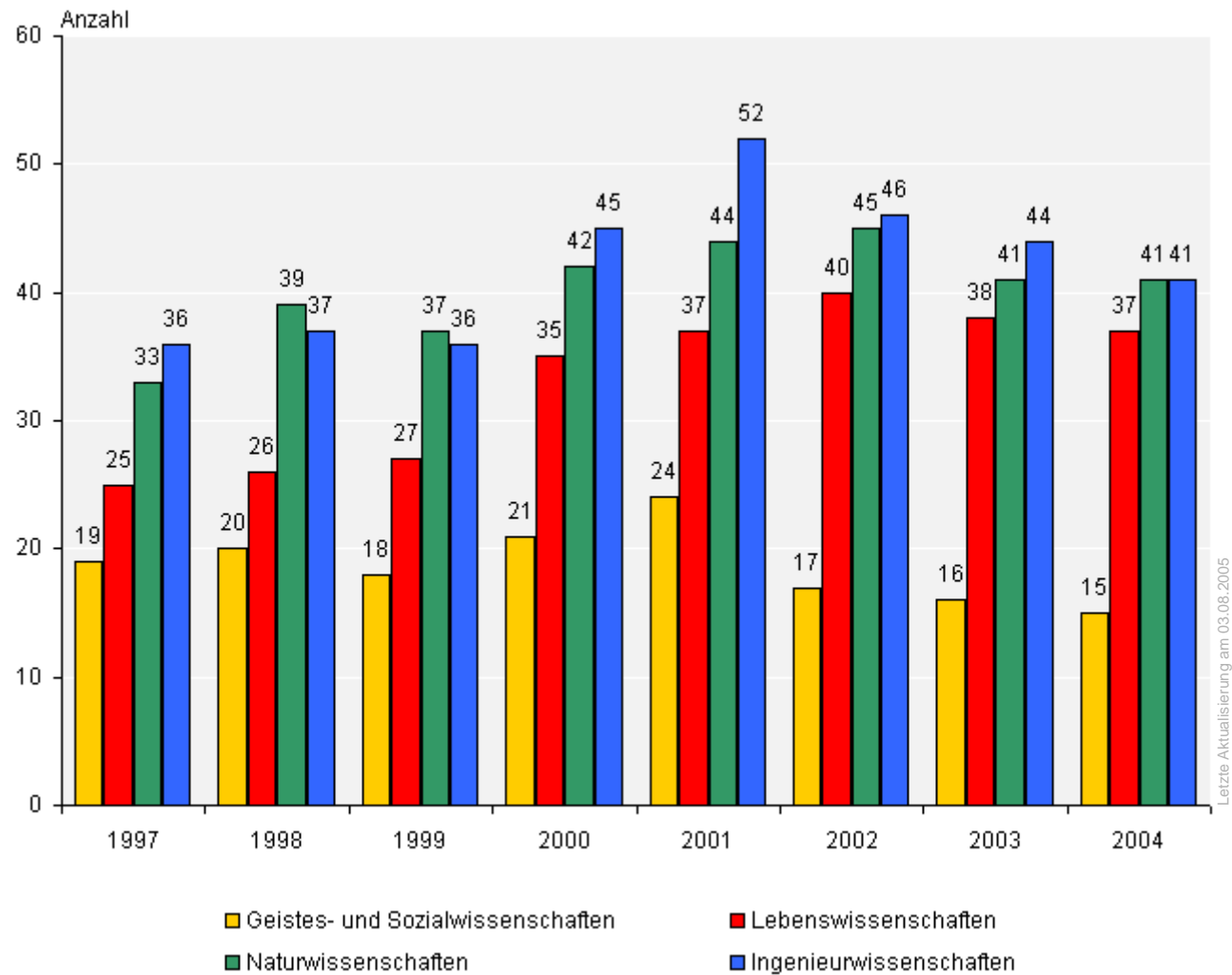
DFG Priority Programmes

Promotion of frontier areas of science by funding interdisciplinary topics including transregional and international cooperation of top scientists

- **Purpose:** promote new approaches and/or methods who promise to bring out a substantial scientific progress in the relevant field
- additional creation of scientific networks
- **Programme size:** up to 25 individual research projects
- **Decision process:** decision taken by DFG Senate based on written peer review and panel evaluation
- **Duration:** 6 years
- Integration of researchers/ teams from abroad is always possible

Items to be improved: so far no harmonised eligibility criteria for researchers from EU countries

Funded DFG priority programmes per research area (1997 – 2004)*



* Number of funded programmes at the end of the year.

European Science Foundation's EUROCORES scheme

„Creation of the critical mass necessary for scientific excellence by enabling researchers in different European countries to develop collaboration and scientific energy“ (ESF definition)

- Investigator driven, all areas of science
- Provides framework for collaboration of national basic research funding agencies
- ESF Networking and scientific management funded from 20 M€ (over 5 years) EC contract
- 1 EUROCORES programme (bottom-up proposal) funds 10-20 projects
- Existing EUROCORES involve between 9-27 participating organisations
- European competition with international Peer Review managed by ESF
- Funding remains national but is “networked” by ESF

ESF's EUROCORES scheme: Results until mid-2005

- Currently 20 EUROCORES Programmes and Programme proposals
- 14 Programmes are fully running (Call for proposals published)
- 57 different funding organisations from 27 different European countries are involved in the 14 EUROCORES programmes
- ca. 1200 outline proposals (12 calls published)
- DFG participation in 8 EUROCORES
- Problems arising from the "1st EUROCORES phase"
 - joint implementation of procedures (time lag from EUROCORES theme „idea“ until the funding of a project)
 - joint funding (financial commitment)

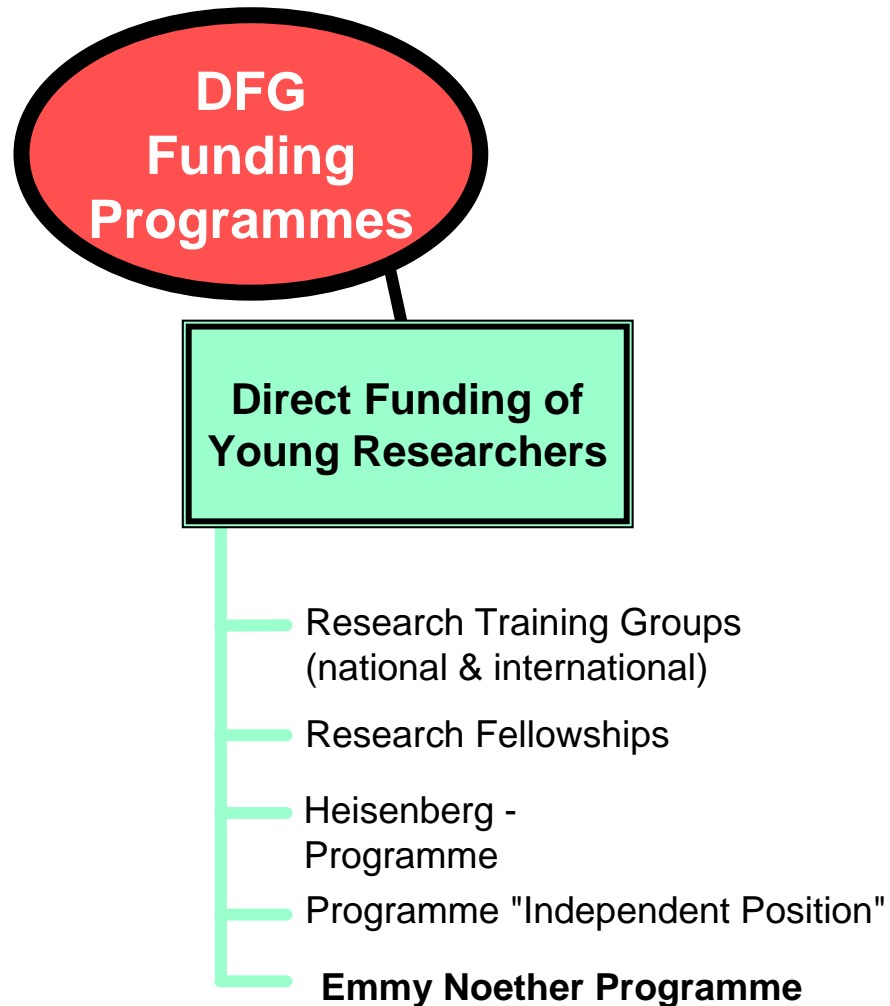
3. European Cooperation within the DFG's Coordinated Programmes: Conclusion

For many years, DFG has supported European coordination initiatives in cooperation with its partners on NG-level (here: ESF-EUROCORES)

Outcome from this experience:

	2 nd level (NGOs: ESF)
Joint development of the procedure, joint announcement/ joint call for proposals	+
Joint peer review	+
Joint funding procedure	to be improved

4. European Cooperation in Funding Young Researchers



Emmy Noether-Programme (ENP)



Purpose:

- to enable outstanding postdocs of all disciplines to qualify for a university teaching career
- to recruit outstanding postdocs from abroad (back) to Germany

Funding:

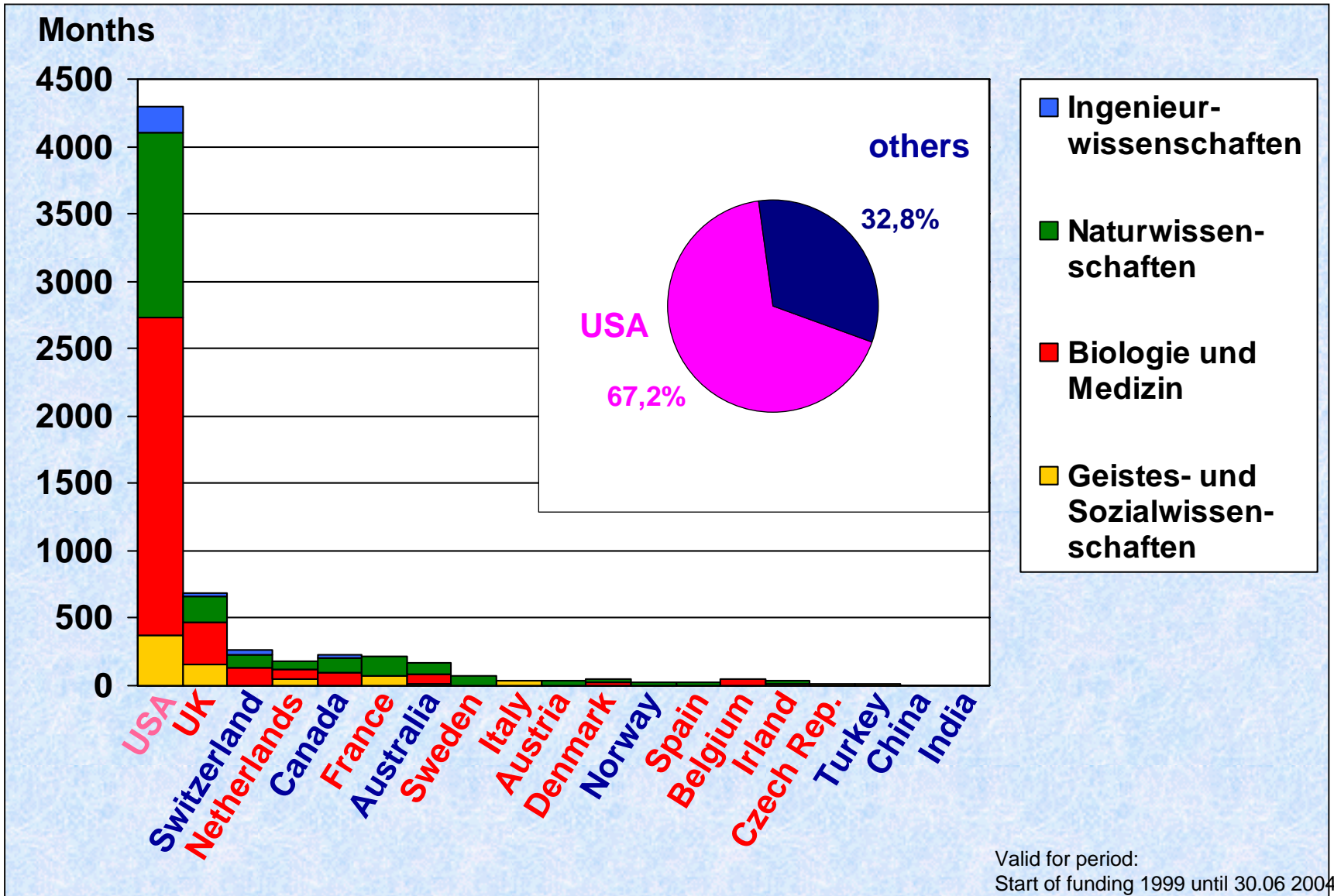
- for an independent Junior Research Group including the position of head for the applicant
- personnel, consumables
- 5 years as a rule

Funding decisions in 2004

- Proposals: 197
- Funded projects: 80
- Success rate: 40,61%

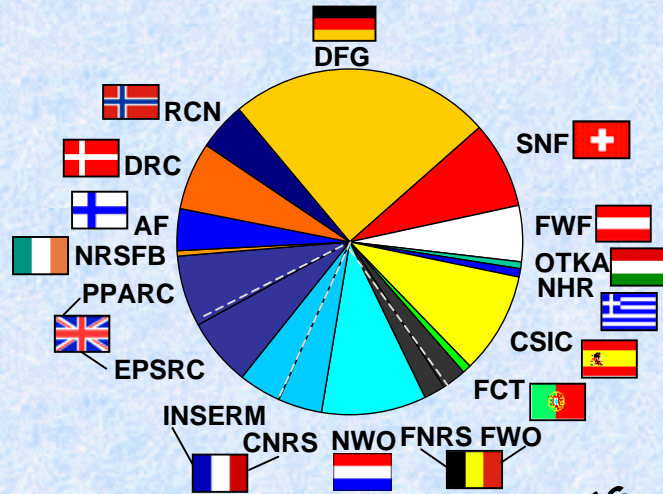


Funded research stays abroad within ENP (January 1999 until June 2004)



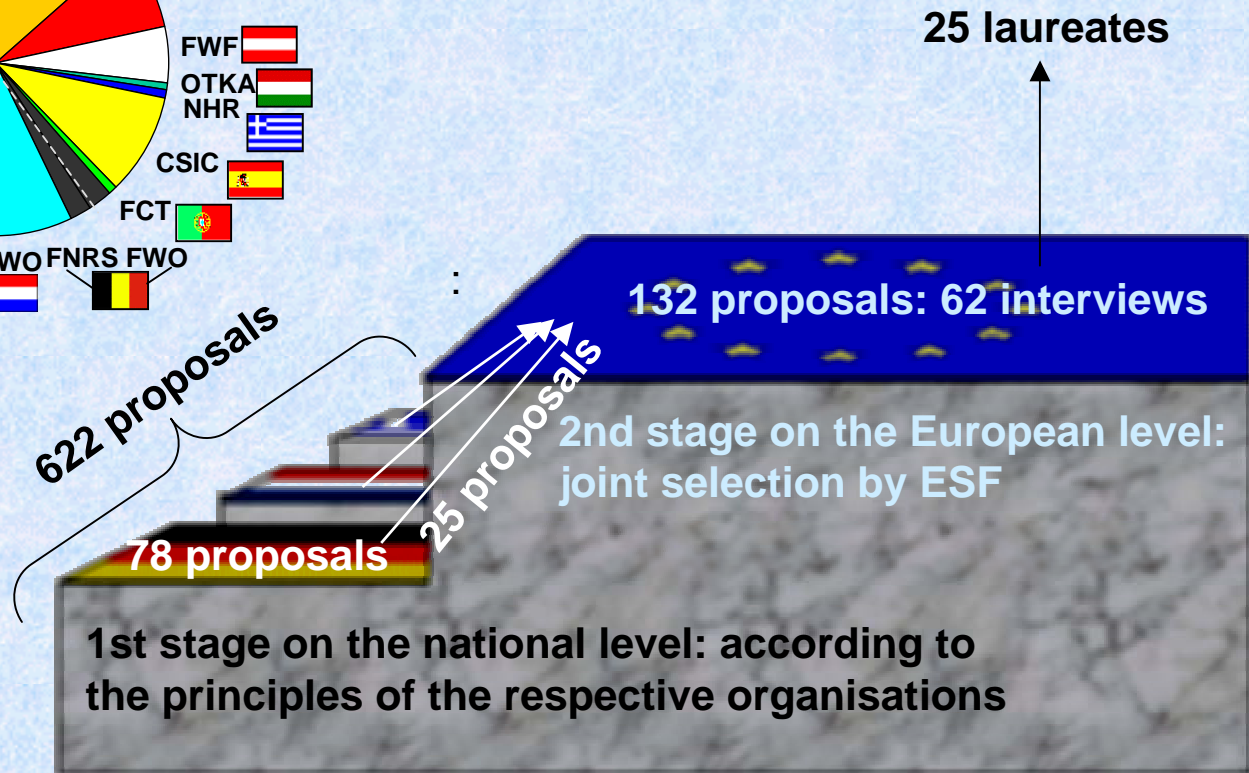
The European Young Investigators (EURYI) Awards

Joint funding: contributions by participating organisations



Two-stage review process:

**2005 Call: 20 Organisations from 16 countries:
incl. GA CR**



4. European Cooperation in Funding Young Researchers: Conclusion

DFG participates in a joint European funding initiative in interaction with its partners on NG-level (here: EUROHORCs' EURYI scheme)

Outcome from this experience:

	2 nd level (EUROHORCs EURYI scheme)
Joint NRCs development of the procedure, joint announcement/ joint call for proposals	+
Joint peer review	+
Joint funding procedures	+

5. Summary and Outlook on European Research Funding under FP7

The Complementation and Competition of European Organisations for European Research Funding in a European Research Area under FP 7:

Competencies of national programmes and national scientific communities	1 st level (National Research Agencies: DFG, CNRS, NWO etc.)	2 nd level NGs: EURYI/ EUROCORES etc.)	3 rd level (European supranational level: CEC FP).
Joint NRCs development of the procedure, joint announcement/ joint call for proposals	+	+	Complementation of programmes
Joint peer review	to be improved	+	Competition between programmes
Joint funding procedures	-	to be improved	+

Good experience in joint peer review in complex funding programmes

Only possibility so far to strengthen European competition for funding: „no juste retour“

THANK YOU

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Questions and Comments?

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ESF's EUROCORES scheme (Annex): Results until mid-2005

- DFG participation in 8 EUROCORES
 - OMLL (until 2004)
 - EUROMARGINS
 - SONS
 - ECT
 - EuroDYNA
 - EuroCLIMATE
 - EuroMinSci
 - EuroDIVERSITY
 - ECRP