



MAX-PLANCK-GESELLSCHAFT

Funding Opportunities of EU-US Collaborations

Berthold Neizert, MPS Administrative HQ

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S&T Indicators 2000



EU-15



USA

R&D expenditure in % of GDP
(GERD)

1.93

2.69

Share of government budget
allocated to R&D

0.73

0.82

New S&T PhDs
per 1000 population

0.56

0.48



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S&T Indicators 2000



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	EU-15	USA
Highly cited scientific publications per million population	19	38
European patents per million population	139	144
US patents per million population	74	315

→ <http://www.cordis.lu/rtd2002/indicators/home.html>

EU-US Collaboration



U.S.-European Union S&T Agreement,
December 1997

- Cooperation at intergovernmental level
(„Implementation Arrangements“)
- Cooperation on project-by-project base
(e.g. US Participation in EU FP)
- IPR regulations



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EU-US Collaboration



- NSF – European Commission:
„Implementation Arrangement“ on
Cooperative Activities in Materials
Research
- NSF – European Research
Organisations (USE-MAT):
Cooperative Activities in Materials
Research



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EU-US Collaboration in FP VI Materials Research



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Thematic Activity: NMP

Preferred Instrument: STREP

Special emphasis on **basic materials phenomena, synthesis, characterisation, properties, and chemical and transport materials processing**

Deadline (NSF) July 18, 2003

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EU-US Collaboration USE-MAT



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„Bottom-up“

Special emphasis on **basic materials phenomena, synthesis, characterisation, properties, and/or processing**

Reciprocal support (US from NSF, EU from National Research Councils e.g. DFG)

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MPG-USA Cooperation Fact Sheet



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- **16** US citizens among Institute Directors
- **52** Institute Directors appointed from US research institutions
- **364** visiting researchers from USA in MPIs in 2002
- **351** US project partners



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Perspectives of MPG-US Cooperation



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Institutionalized Cooperations

- Saarbrücken – Stanford
- Garching – Berkeley
- *Martinsried – CALTECH*
- *IMPRS (NSF: IGERT-Programme)*
- *HHMI: Bilateral Workshops*

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Max Planck Society

International Max Planck Research Schools

in Collaboration with German Universities

- Special Ph.D.-Programs
- Attractive training and research opportunities
- Innovative and interdisciplinary topics
- International environment
(65 % foreign students)

www.mpg.de/institut/imprs/index.html

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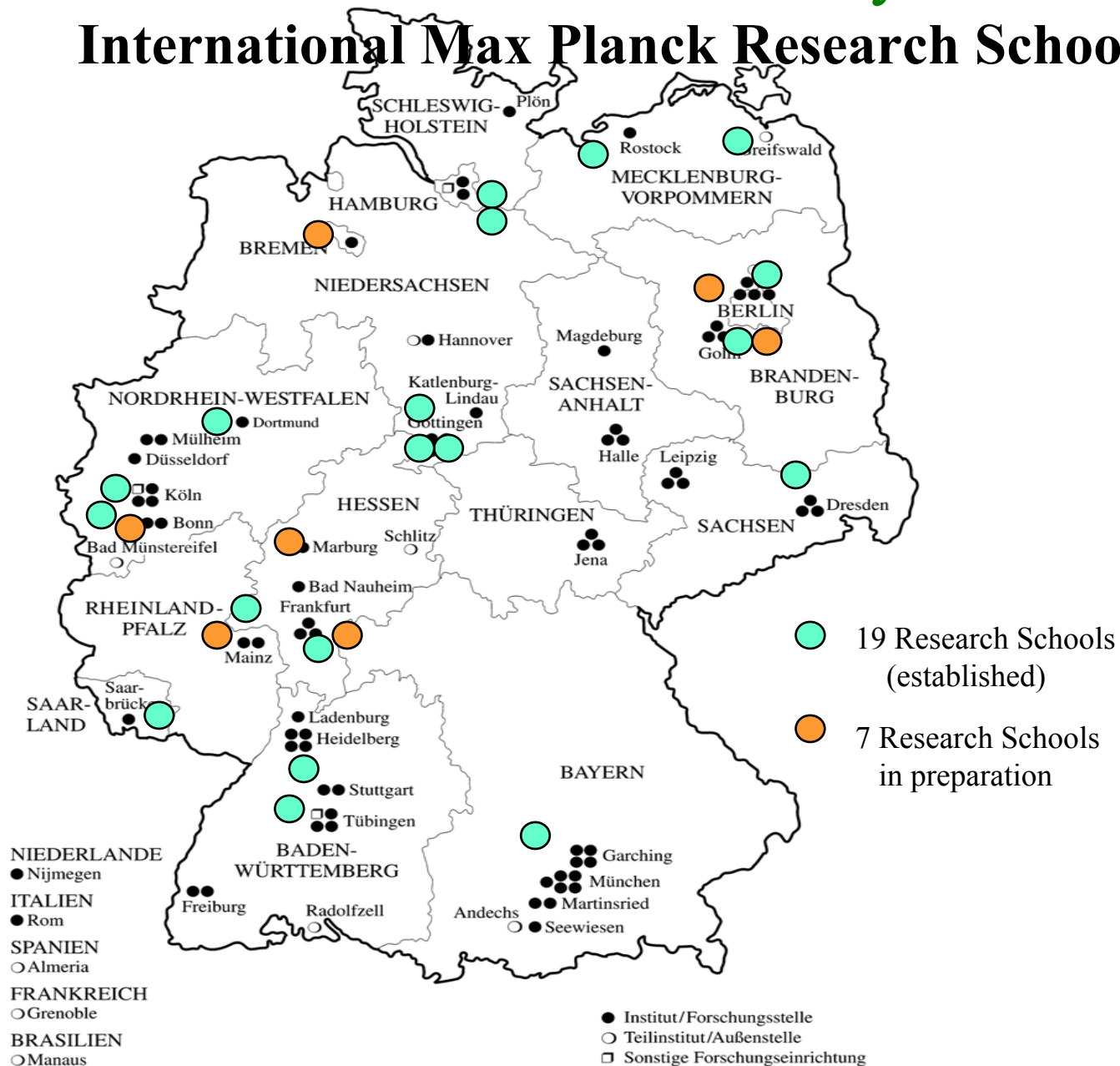
May 2003



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International Max Planck Research Schools



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International Max Planck Research Schools

January 2003

In total 785 PhD Students

60 % foreigners coming from 72 countries:

- India	63
- Italy	46
- China	37
- Russia	23
- USA	15
- Canada	6
- MEEC (Poland, Romania et al.)	86
- other EU countries (excl. Italy)	62

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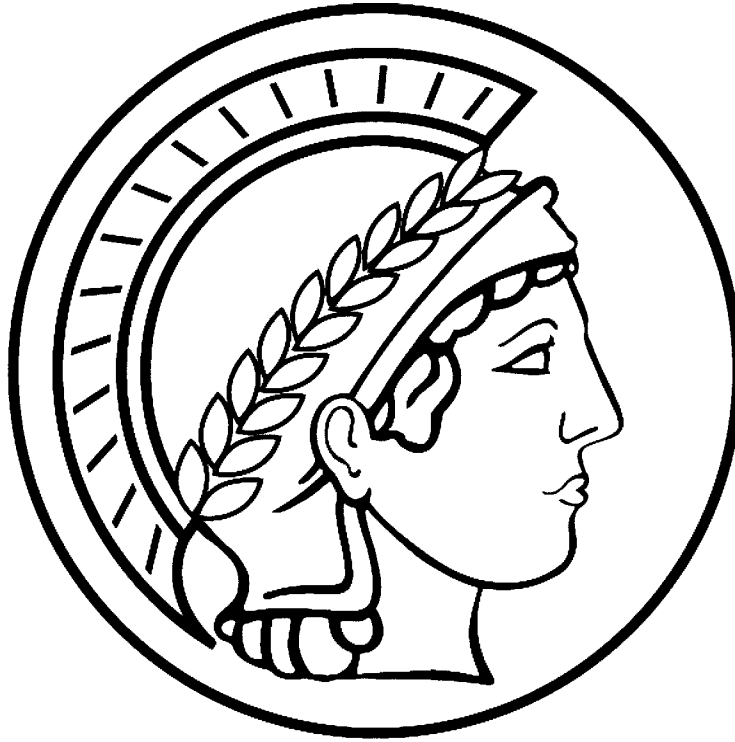
EU-US Collaboration

Useful links



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- U.S.-European Union S&T Agreement, December 1997
http://www.state.gov/www/regions/eur/eu/971205_eu_science_agree.html
- NSF – European Commission: „Implementation Arrangement“ on Cooperative Activities in Materials Research:
<http://www.nsf.gov/search97cgi/vtopic>
- NSF – European Research Organisations (USE-MAT): Cooperative Activities in Materials Research
<http://www.nsf.gov/pubs/2002/nsf02135/nsf02135.htm> or
http://www.dfg.de/aktuelles_presse/information_fuer_die_wissenschaft/ausschreibungen_mit_internationalem_bezug/info_wissenschaft_15_02.html
- IGERT Program: <http://www.nsf.gov/home/crssprgm/igert/start.htm>



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