

# Max-Planck-Gesellschaft



MAX-PLANCK-GESellschaft



1st Annual Conference of the  
Max Planck Partner Group for Balkan Criminology

August 28, 2014 | Zagreb, Croatia

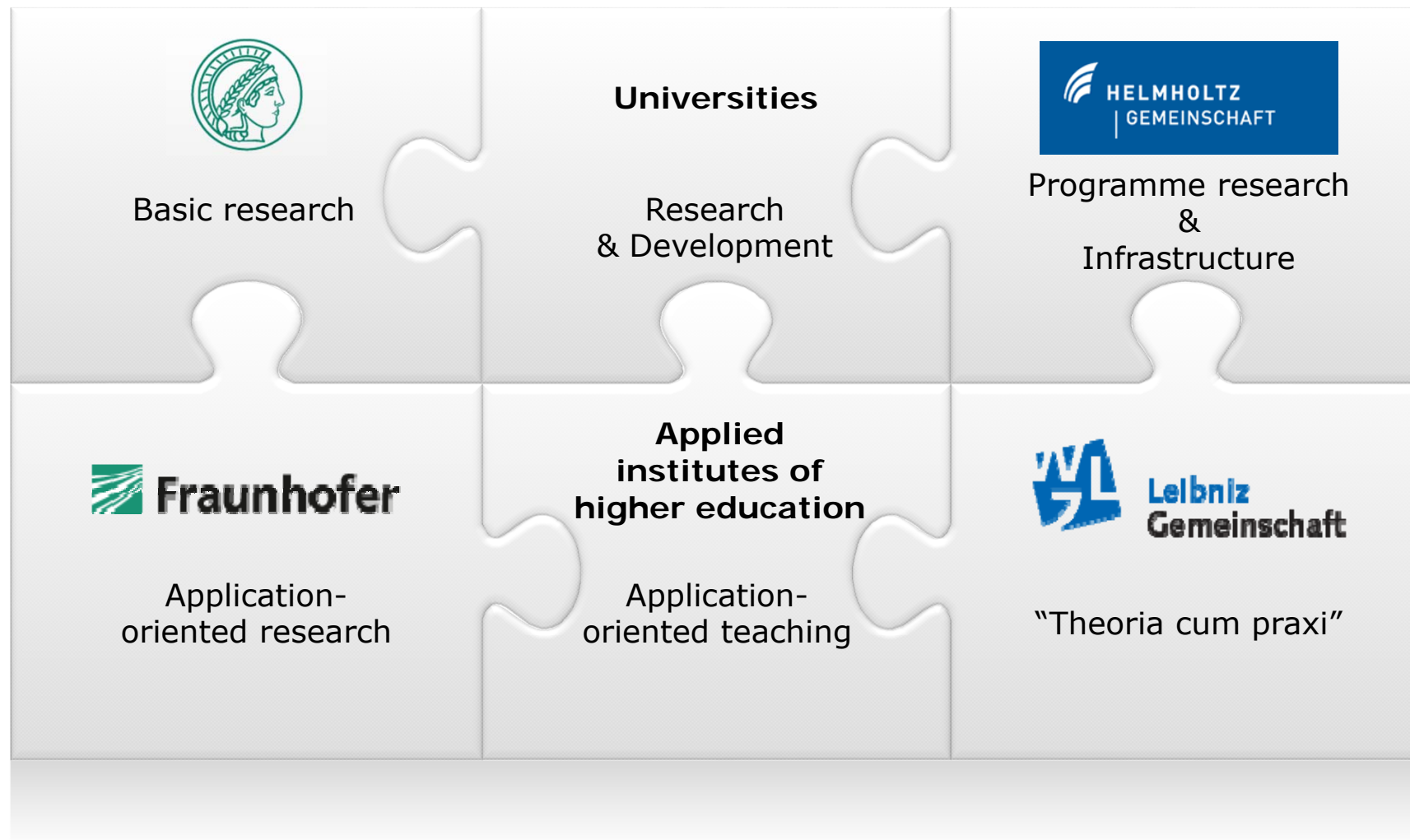


1 Max Planck Society at a Glance

2 The International Dimension of Research at Max Planck Society

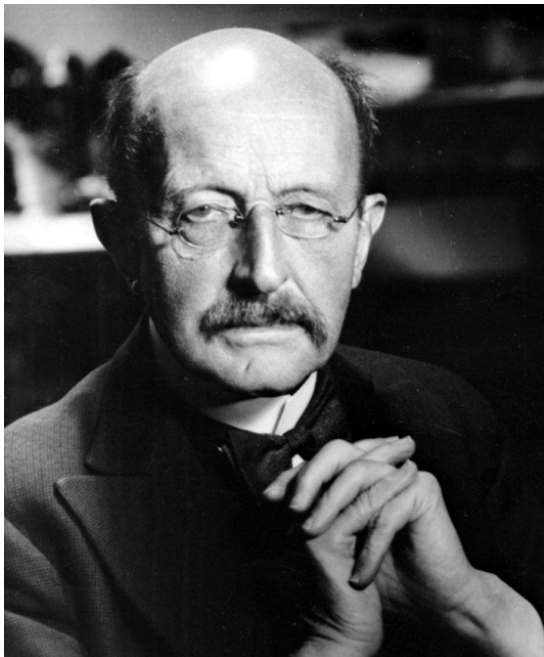
3 Max Planck Instruments for Advancing Internationalization

# Strength through Diversity – Players in the German research system





## »*Insight must precede Application*«



**Max Planck, 1858 -1947**  
Founder of the Quantum Theory  
Nobel Prize 1918

- Basic Research at cutting-edge, strictly curiosity-driven and quality oriented
- Autonomy, where scientists decide upon science
- „Harnack Principle”: prominent scientists not programs
- Flexible, dynamic, interdisciplinary MPIs
- Long-term trust systems with significant core funding for high-risk projects
- Quality assurance by peers

# Max Planck Society – Facts and Figures



- Non-profit organization under private law in the form of a (private) registered association
- Established in 1948 (successor of the *Kaiser Wilhelm Society*, founded 1911)
- President: Professor Dr. Martin STRATMANN



Prof. Dr. Martin Stratmann



17,000 employees, including 5,500 scientists  
**plus** approx. 13,000 PhD students, visiting scientists and student assistants



17 Nobel Prize Laureates since 1948  
32 Nobel Prize Laureates since our inception in 1911

83 Max Planck Institutes and research facilities, including 5 Institutes abroad



Annual budget: approx. € 1.6 billion  
**plus** additional project funding

# Three Scientific Sections



## Biology and Medicine Section

40 % \*



## Chemistry, Physics and Technology Section

50 % \*



## Human Sciences Section

10 % \*

\*estimated proportion of total budget

# Max Planck Society

## At home in Germany – present all over the world



**83 Institutes and facilities**  
**280 Directors**





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## International share of individual groups

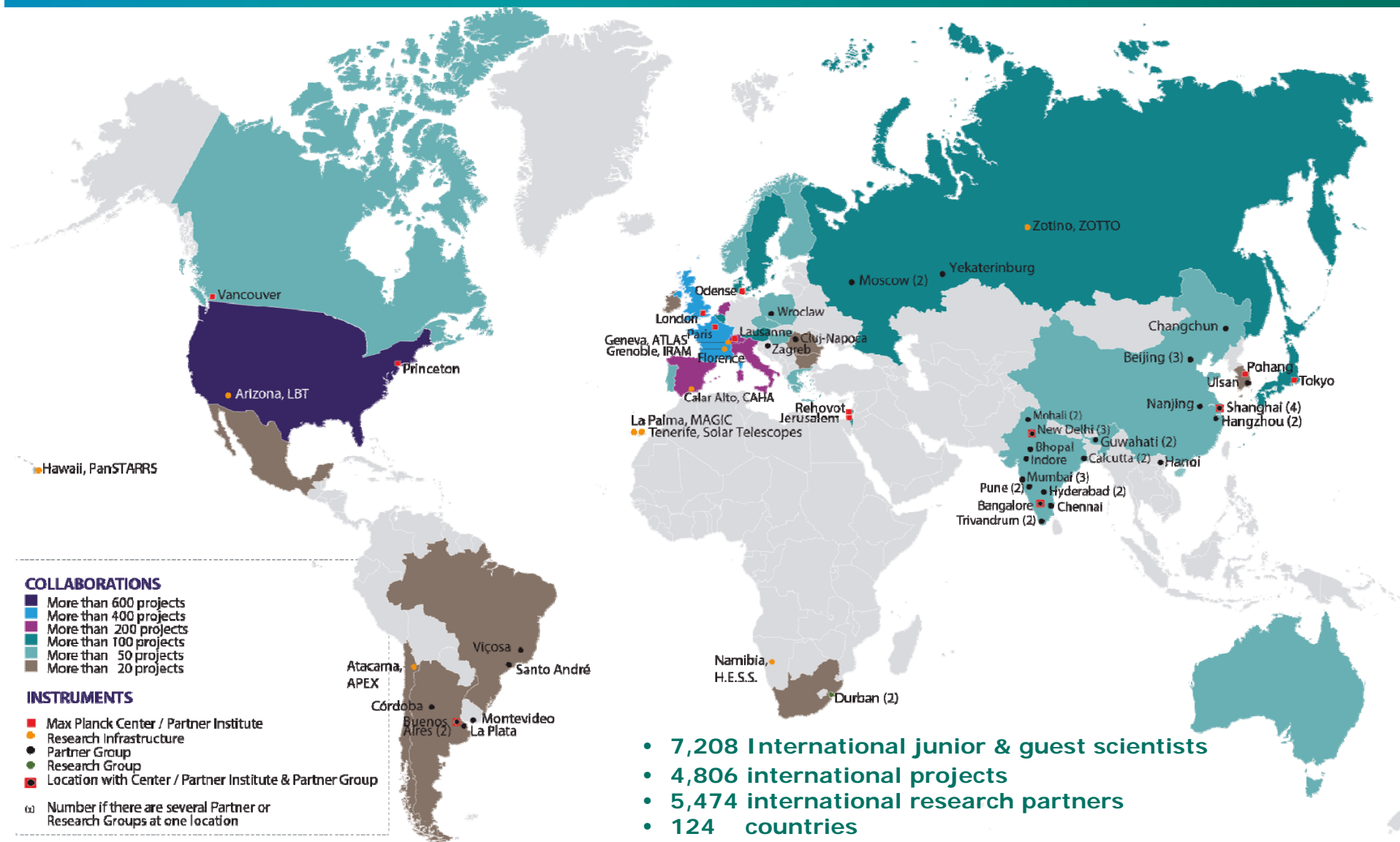
Directors <sup>1</sup>	286	100%
• From outside Germany	95	33.2%
MPRGL <sup>(3/2014)</sup>	119	100%
• From outside Germany	50	42.0%
Postdocs <sup>2</sup>	2,222	100%
• From outside Germany	2,012	90.5%
Guest scientists <sup>2</sup>	2,228	100%
• From outside Germany	1,368	61.4%
PhD students <sup>2</sup>	5,000	100%
• From outside Germany	2,575	51.5%

<sup>1</sup> As per 1 January 2014.

<sup>2</sup> Over the whole of 2013.

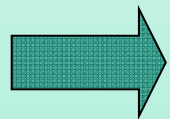
# International Collaborations

(selected examples)





- **54 junior and guest scientists**
- **21 MPI projects with Croatian partners in 3 sections:**
  - ✓ 12 Chemistry, Physics and Technology
  - ✓ 4 Biology and Medicine
  - ✓ 5 Humanities
- **currently 1 active Max Planck Partner Group**



Most important cooperation partners:

- University of Zagreb
- Ruđer Bošković Institute
- University of Split
- University of Rijeka



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- **International Max Planck Research Schools (IMPRS)**
  - Structural PhD student training in conjunction with universities
  - 63 IMPRS with approx. 2,800 PhD students (>50% from abroad)
- **Partner Groups of Max Planck Institutes**
  - Outstanding junior scientists from outside Germany establish a Partner Group in their home country after a research residency at an MPI
  - 102 Partner Groups around the world since 1999
- **Max Planck Centers**
  - Flexible platform for scientific collaboration with international partners
  - 14 Max Planck Centers + Partner Institutes in Buenos Aires and Shanghai

# International Max Planck Research Schools (IMPRS)



- Structural PhD student training in conjunction with universities
- 63 IMPRS with around 2,800 PhD students (in all sections)
- 76 Max Planck Institutes involved
- 37 universities in Germany involved, with 82 faculties
- More than 50% of PhD students are from outside Germany

→ Successful instrument for internationalizing the German research landscape

# International Max Planck Research Schools (IMPRS)



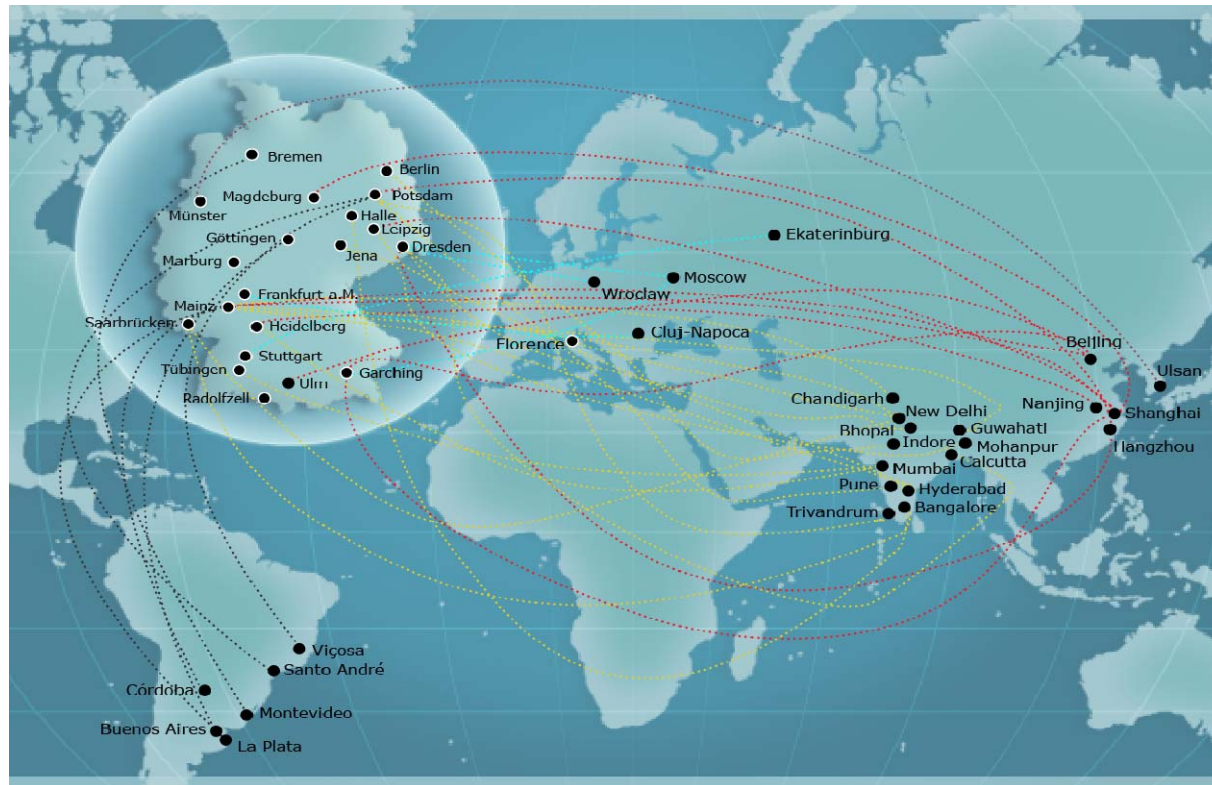
- Jointly conducted by Max Planck Institutes and Universities
- Doctorate from German university or home university abroad
- Structured programme with regular workshops, summer schools
- Applications directly to IMPRS at respective MPI
- No tuition fee
- Financial support provided



# Max Planck Partner Groups



“Brain circulation”: A total of 42 Max Planck Partner Groups are currently creating career paths for international scientists in their home country.



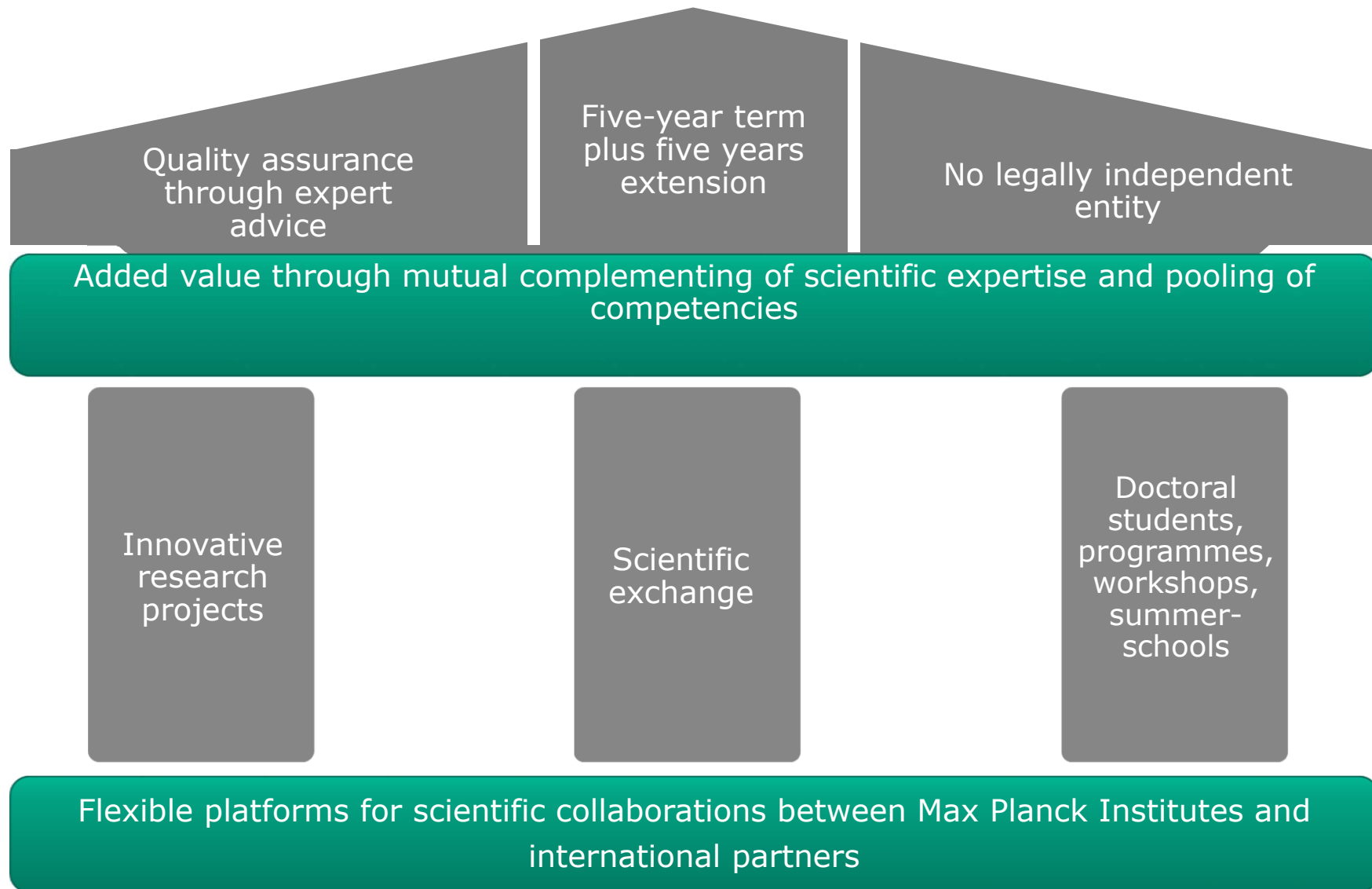
Junior scientists from outside Germany, who have performed outstanding research work and who return to their own country following a research residency at an MPI, are supported by the Max Planck Society in establishing a Partner Group in their home country.





- Postdocs establish Partner Group in their home country
- Minimum stay at MPI: 12 months
- Max. 38 years of age
- Funding: 20.000 € p.a. for up to 5 years (3+2)
- Currently 42 PGs: China, India, Korea, Spain, Vietnam, Croatia, Turkey, Argentina and Brazil
- 102 PGs since 1999

# Max Planck Centers





- Flexible platforms for MPI(s) and international partners
- Exchange of scientists, doctoral students (IMPRS), workshops, summer schools
- Long-term perspective: 5+5 years
- Quality-control: evaluation by SAB
- Matching funds by MPI/MPG and partner abroad
- Competitive applications with focus on added-value

→ Pooling of complimentary expertise and resources

# Max Planck Centers worldwide



## Max Planck Centers

<b>France</b>	- Max Planck-Sciences Po Center, Coping with Instabilities in Market Societies, <b>Paris</b>	
<b>Switzerland</b>	- Max Planck-EPFL Center for Molecular Nanoscience and Technology, <b>Lausanne</b>	
<b>UK</b>	- Max Planck UCL Center for Computational Psychiatry and Ageing Research, <b>London</b>	
<b>Denmark</b>	- Max Planck – Odense Center on the Biodemography of Aging, <b>Odense</b>	
<b>India (2)</b>	- Indo-German Max Planck Center for Computer Science, IIT <b>Delhi</b> - Indo-German Max Planck NCBS-Center on Lipid Research, <b>Bangalore</b>	
<b>Israel (2)</b>	- Max Planck-Weizmann Center for Integrative Anthropology & Archaeology, <b>Rehovot</b> - Max Planck Hebrew University Center for Sensory Processing of the Brain in Action, <b>Jerusalem</b>	
<b>Japan (2)</b>	- Max Planck-RIKEN/ASI Center for Systems Chemical Biology, <b>Tokyo</b> - Max Planck-University of Tokyo Center for Integrative Inflammology, <b>Tokyo</b>	
<b>Canada</b>	- Max Planck-UBC Center for Quantum Materials, <b>Vancouver</b>	
<b>Korea (2)</b>	- Max Planck-POSTECH Center for Attosecond Science, <b>Pohang</b> - Max Planck-POSTECH Center for Complex Phase Materials, <b>Pohang</b>	
<b>USA</b>	- Max Planck-Princeton Research Center for Plasma Physics, <b>Princeton</b>	

# Thank You For Your Attention!

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