



## Teaming up. The United States as scientific partner of the Max Planck Society

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Vienna,  
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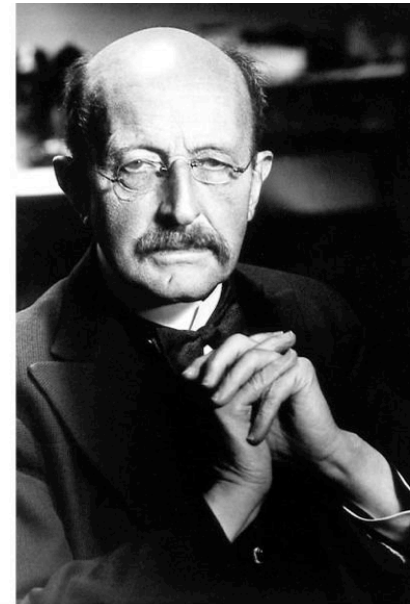




## Basic research is the foundation for overall technological advancement in the wider sense

### Mission:

Advancing innovative and interdisciplinary high-risk research at the frontiers of knowledge



» Knowledge must precede application.

(Max Planck, 1858 - 1947, Nobel Laureate 1918)

# Max Planck Society

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



**80 Institutes and facilities**  
**277 Directors**



# Max Planck Society Facts and figures



17,019 employees



Plus around 4,800 grantees and visiting scientists



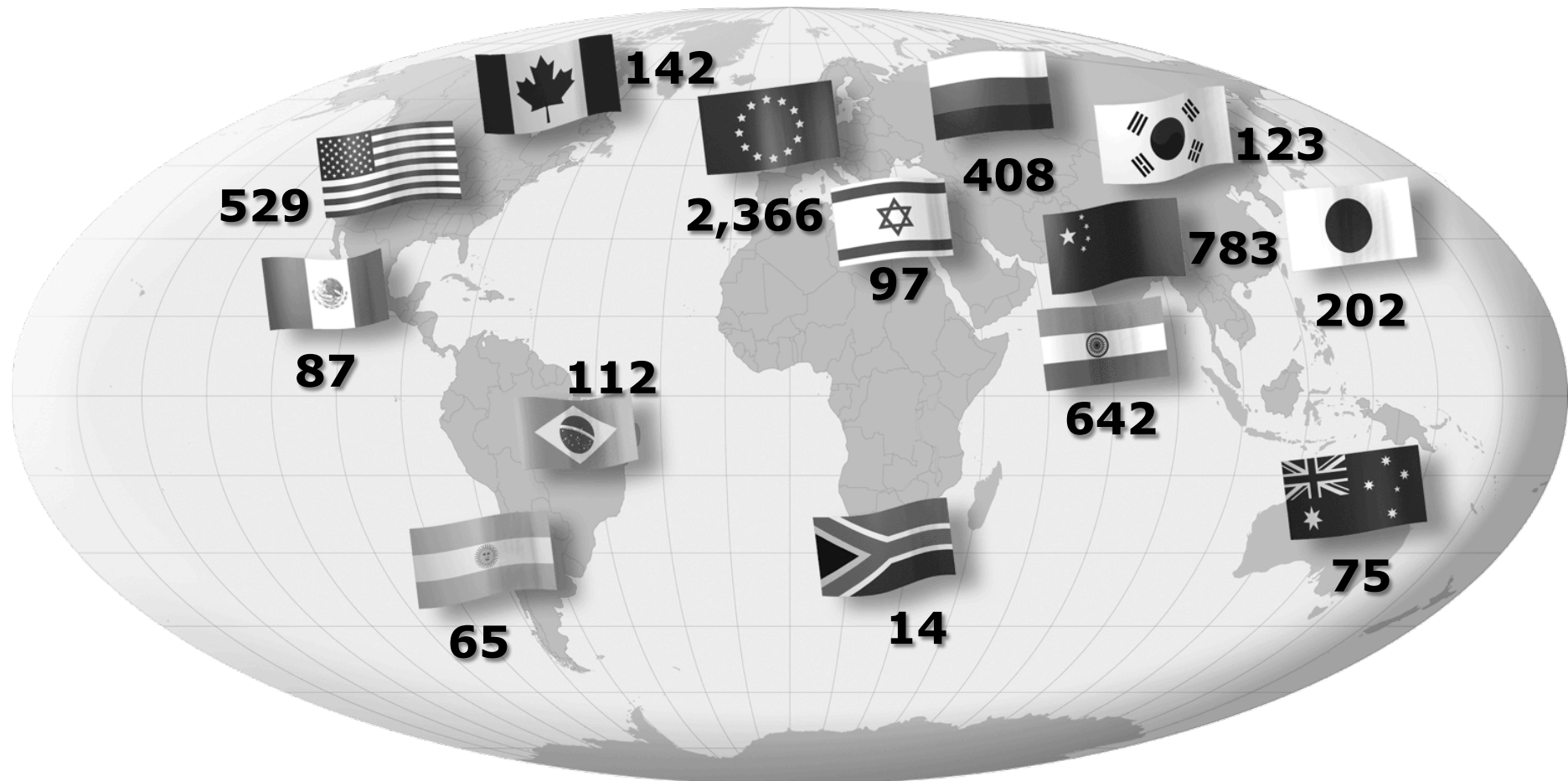
Annual budget: € 1.32 billion plus approx. € 300 million additional income (primarily project funding)

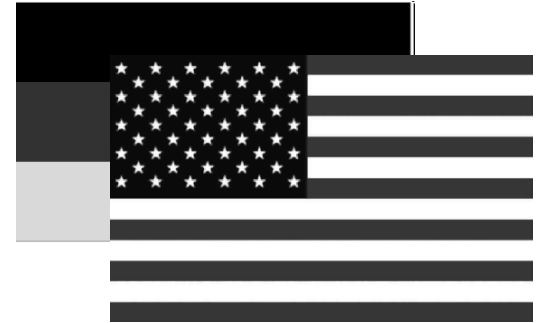
# Internationalisation strategy of the MPG

## Exchange and cooperation



**International junior and guest scientists (2011): 7,045**

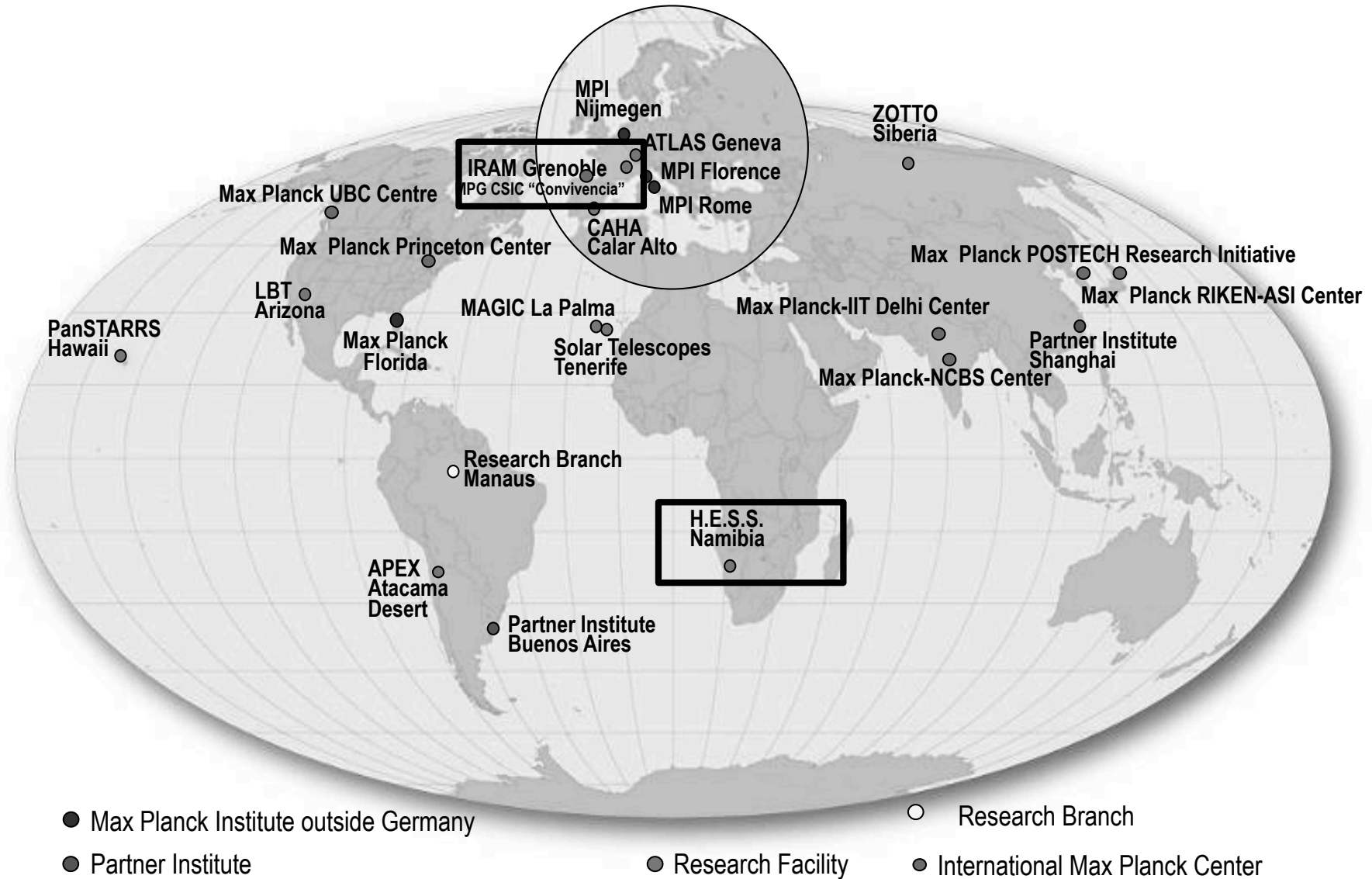


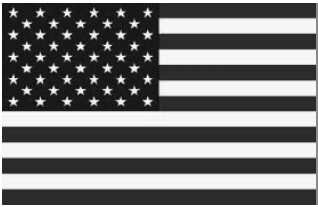


- **529 junior and guest scientists from the U.S. (2011)**
- **614 collaborative projects assigned to the sections:**
  - **322 projects of the Chemistry, Physics and Technology Section**
  - **164 projects of the Biology and Medicine Section**
  - **128 projects of the Human Sciences Section**
- **22 Scientific Members of the MPG are U.S. citizens**

# Internationalisation strategy of the MPG

## International presence through facilities world-wide

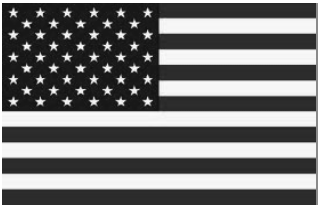




## **Full integration into the MPG and the German science system**

- A fully-fledged MPI with relevant integration into the scientific Sections of the MPG
- Directors are Scientific Members of the MPG
- Establishment of all MPG Governance structures
- Close formal and informal ties to the Administrative Headquarters in Munich, other MPIs, and German science networks.





## Current developments

- Recruitment of internationally renowned scientists (e.g. Nobel Prize Laureate Bert Sakmann, David Fitzpatrick, Ryohei Yasuda)
- Successful establishment of two departments, five Max Planck Research Groups, and the core facility
- Establishment as attractive employer in the research area
- Invitation to participate in the funding programme of the Hughes Medical Institute



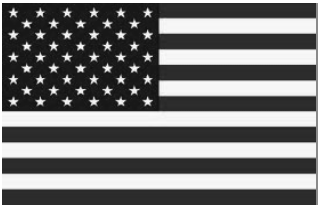
Bert Sakmann



David Fitzpatrick



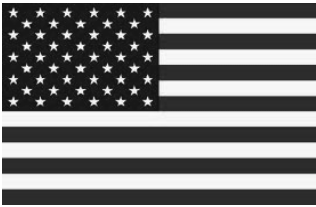
Ryohei Yasuda



# Large Binocular Telescope Corporation



- The Large Binocular Telescope (LBT) is run by the LBT Corporation (an Arizona non-profit corporation)
- MPG holds 81% of „LBT Beteiligungsgesellschaft“, LBTB, a community of German research institutes involved in the Large Binocular Telescope (LBT) project; LBTB receives 25% of the available observing time
- LBTB holds 25% of LBT Corporation’s assets (other partners: University of Arizona (25%), Istituto Nazionale di Astrofisica (Italy) (25%), Research Corporation / Ohio State University (12,5% each)



# Max Planck Princeton Research Center for Plasma Physics, Princeton University, New Jersey



© Princeton University



Peter Gruss and Shirley Tilghman

- Agreement signed on March 29th, 2012
- Partners involved: Prof Sabine Günter (IPP Garching) and Prof Stewart Prager (Princeton Plasma Physics Laboratory)
- Matching funds: annually up to 1,26 Mio EUR per side

# Internationalisation strategy of the MPG

## International presence through Max Planck Centers



- **Canada:**

Max Planck-University of British Columbia Center for Quantum Materials, Vancouver



- **France:**

Max Planck-Sciences Po Center Coping with Instabilities in Market Societies, Paris



- **India:**

Indo-German Max Planck Center for Computer Science, IIT Delhi

Indo-German Max Planck NCBS-Center on Lipid Research, Bangalore



- **Israel:**

Max Planck-Weizmann Center for Integrative Anthropology/Archaeology, Rehovot



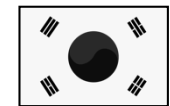
- **Japan:**

Max Planck-RIKEN Center for Systems Chemical Biology, Tokyo



- **Korea:**

Max Planck-Asia Center for Attosecond Science, Pohang



- **Spain:**

MPG-CSIC Center "Convivencia", Representations, knowledge and identities, Madrid



- **USA:**

Max Planck Princeton Research Center for Plasma Physics, Princeton University, New Jersey

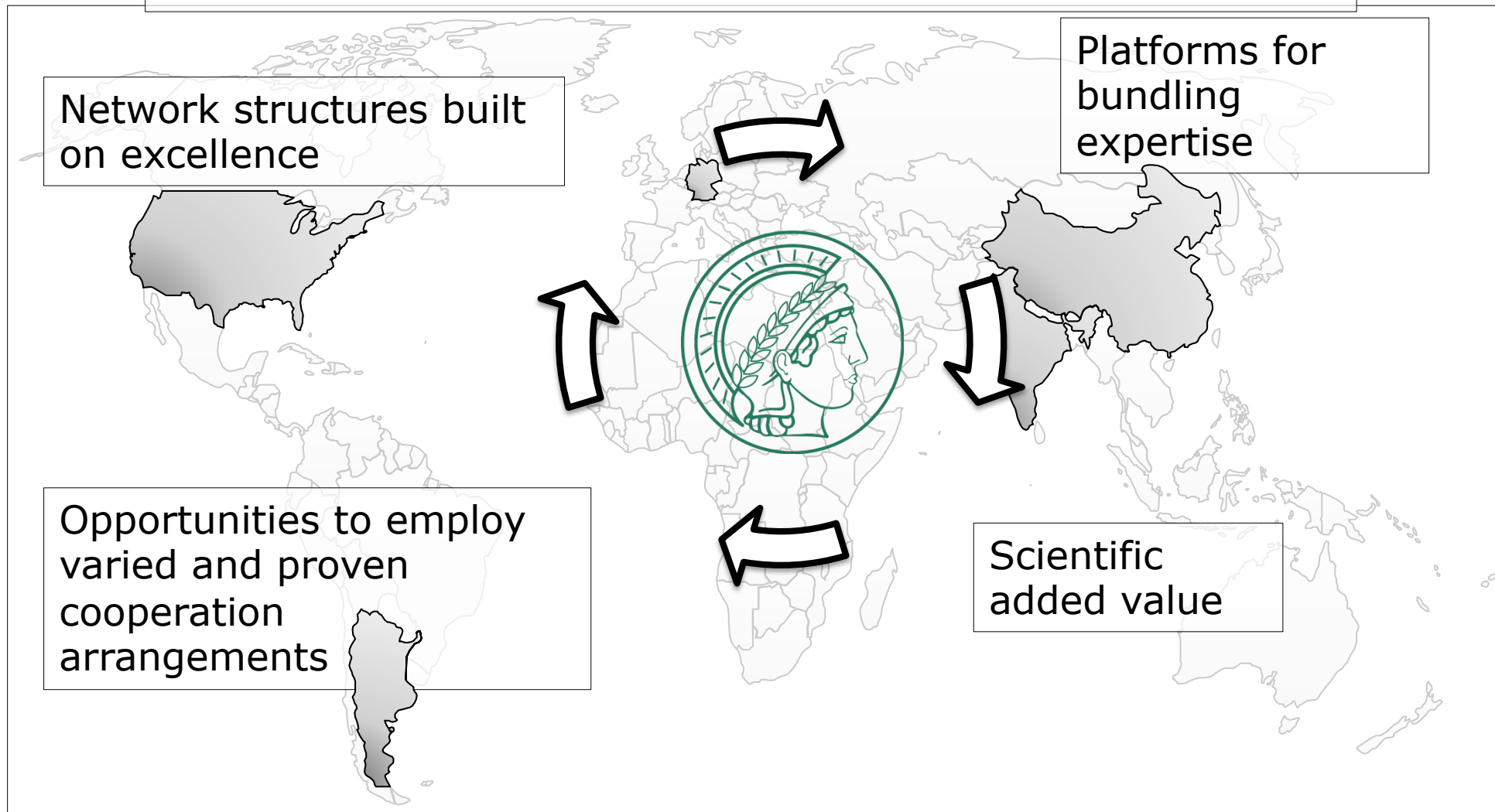


# Internationalisation strategy of the MPG

## International presence through Max Planck Centers



**In establishing Max Planck Centers, the Max-Planck-Gesellschaft creates:**



# Internationalisation strategy of the MPG

## International presence through Max Planck Centers



### Features

- Outstanding research programme with numerous MPIs and foreign institutions working together as equals
- No legal capacity of their own
- Bilaterally financed
- For a limited period of time (5 years + extension)
- Quality assured thanks to a special selection process and a Scientific Advisory Board

### Measures/activities

- Scientist exchange
- Workshops, summer and winter schools, etc.
- Joint PhD programmes (IMPRS)
- Conducting own research work in a partner lab
- Joint "topic years"...



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