



Research in Germany: Funding & Career Opportunities



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AN INITIATIVE OF THE



Federal Ministry
of Education
and Research

Research in
Germany



Land of Ideas



Facts and figures



Strong R&D system (#7 according to WEF)



Federal S&T budget increased 140% since 2005



Total R&D expenditures 100 bn euros = 3% GDP



Whole of government approach, long-term “High Tech Strategy”



Stable funding through „Pacts“ between government and large science institutions



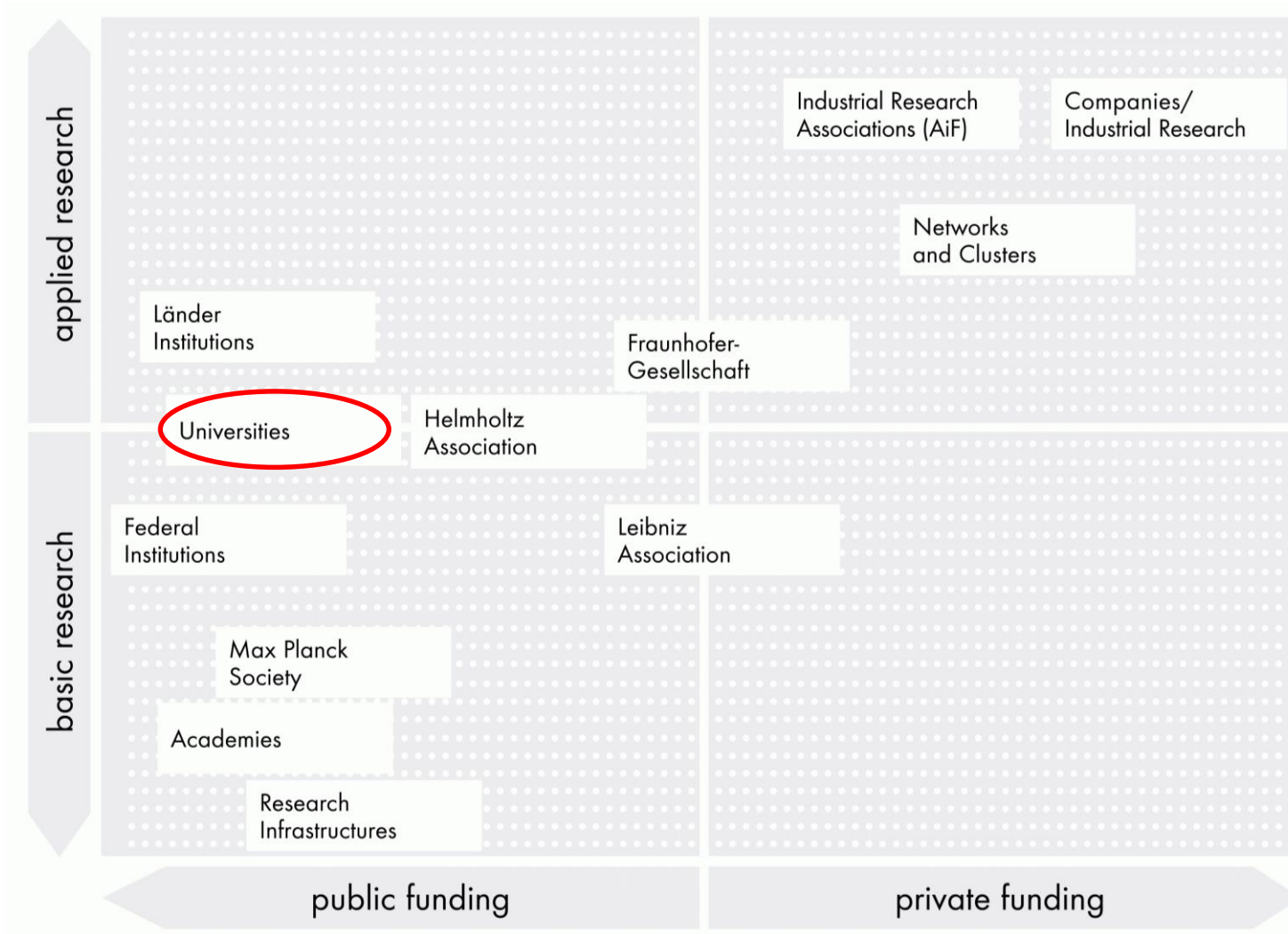
International Focus

- Number 4 study destination after US, UK and Australia
- 375,000 international students
- 13% of student population = international
- Up to 52% of scientists at research institutions from abroad
- Higher education free of charge
- Master classes in English
- Easy entry procedures
- Easy to stay after graduation





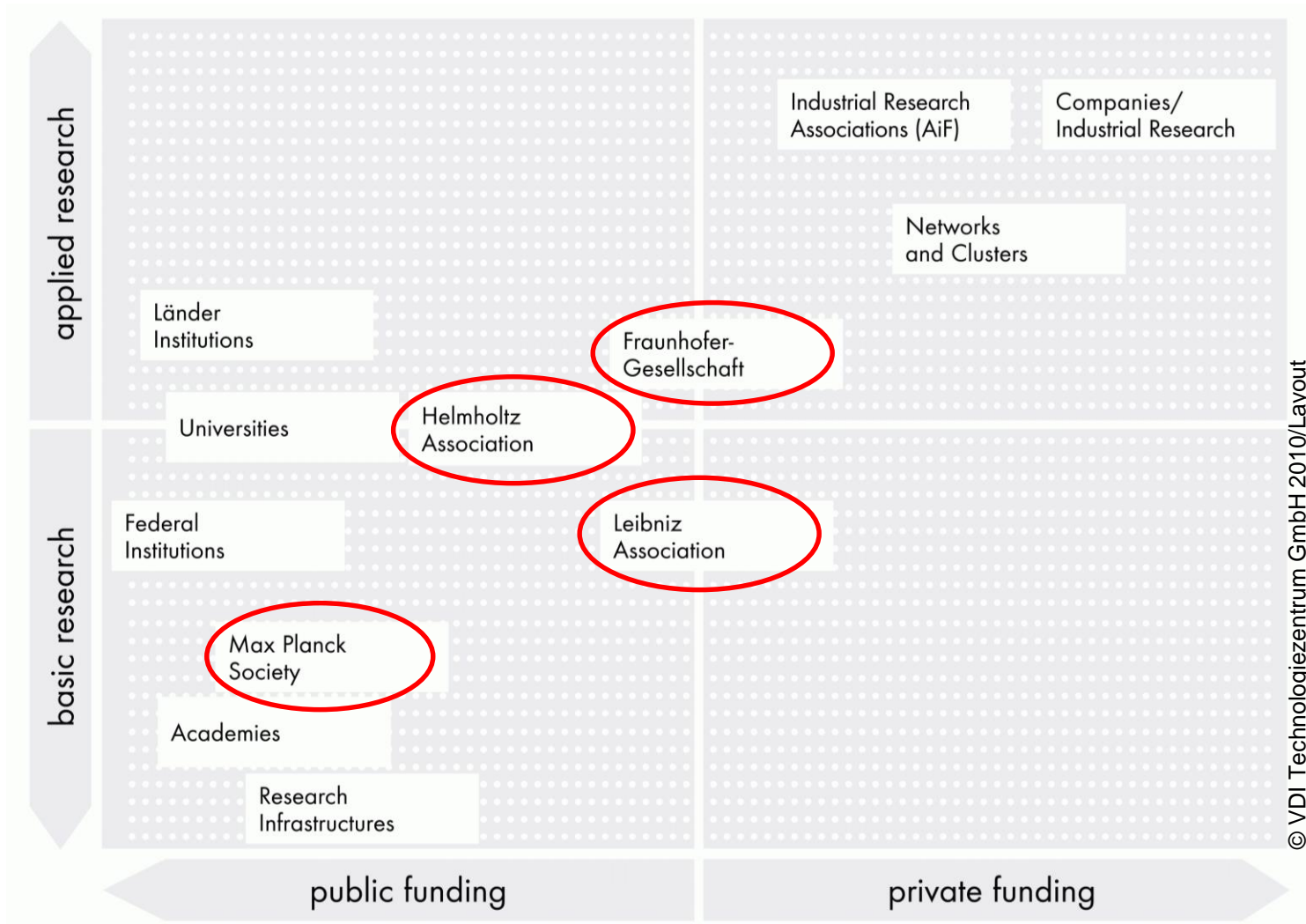
Participants: Universities



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Adaptation: Frankfurter Societäts-Medien GmbH



Non-university research



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The Big Four

Institution	Institutes	Budget	Staff
Max Planck Society	86 institutes	2.3 bn euros	24,000
Helmholtz Association	19 research centres	4.8 bn euros	40,000
Fraunhofer	72 institutes	2.6 bn euros	26,600
Leibniz Association	96 institutes	1.9 bn euros	20,000



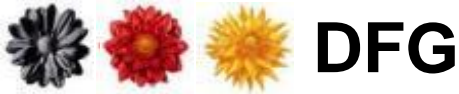
Excellence Strategy



57 Clusters of Excellence, 11 Excellence Universities

533m euros annually

https://www.dfg.de/en/research_funding/programmes/excellence_strategy/index.html



Six offices worldwide



3.4 billion € in 2018



33 200 projects funded in 2018



Scholarships & grants for
research projects in all disciplines



Key DFG Funding Programs



Temporary positions for Principal Investigators & Excellent Postdocs.

Funding for a position at a German host institution as project leader for the duration of the project.

- ▶ application requirements include a supporting statement from a researcher at your German host institution
- ▶ salaries are based on the salary level for postdoctoral researchers and include personnel, consumables, travel costs, lab equipment, publication costs.



Emmy Noether Program

aimed at highly qualified postdoctoral researchers

- ▶ enables researchers to qualify for scientific leadership positions, particularly as university teachers
- ▶ involves researchers leading their own independent junior research groups in Germany
- ▶ generally runs for five years
- ▶ applicants are eligible max 4 yrs. after PhD / 6 years after MD and must have significant international experience



DFG-NSF Cooperation



Research Opportunities for U.S. Early Career Researchers

NSF and DFG facilitate research opportunities and mobility for U.S. Early Career Researchers funded in the framework of the NSF Faculty Early Career Development Program (CAREER).



- NSF CAREER awardees may join eligible DFG-funded projects for single, long term or multiple short-term visits (max. 12 months).
- CAREER awardees will continue to receive NSF funding, and salaries will be covered according to the CAREER award terms and conditions. NSF will provide support for travel expenses.
- The regular submission deadlines for the CAREER program apply as described in the NSF solicitation.

Discipline-Specific Cooperation

Guiding principles: Facilitate cooperation, avoid “double jeopardy”, collaborative and coordinative approach to peer review

- “Lead agency” / coordinated review: chemistry, physics, computer science, engineering, neurosciences (also: NeuroNex)



Research Cooperation



Where Can I find a Partner for Cooperation?

- ▶ **GERiT – German Research Institutions**

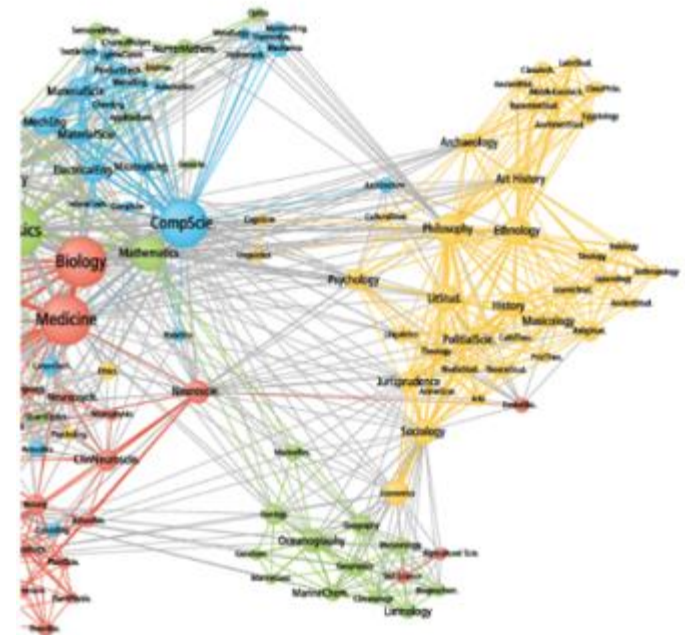
<http://www.gerit.org/en>

- ▶ **GEPRIS – German Project Information System**
(DFG Awards Database)

<http://gepris.dfg.de/gepris/OCTOPUS?language=en>

- ▶ **DFG Funding Atlas 2018**

<http://www.dfg.de/sites/foerderatlas2018>





German Academic Exchange Service



145,188 scholars funded 2018



€558m in 2018



Scholarships & grants for all disciplines, at all stages



72 offices worldwide



Change by exchange

DAAD

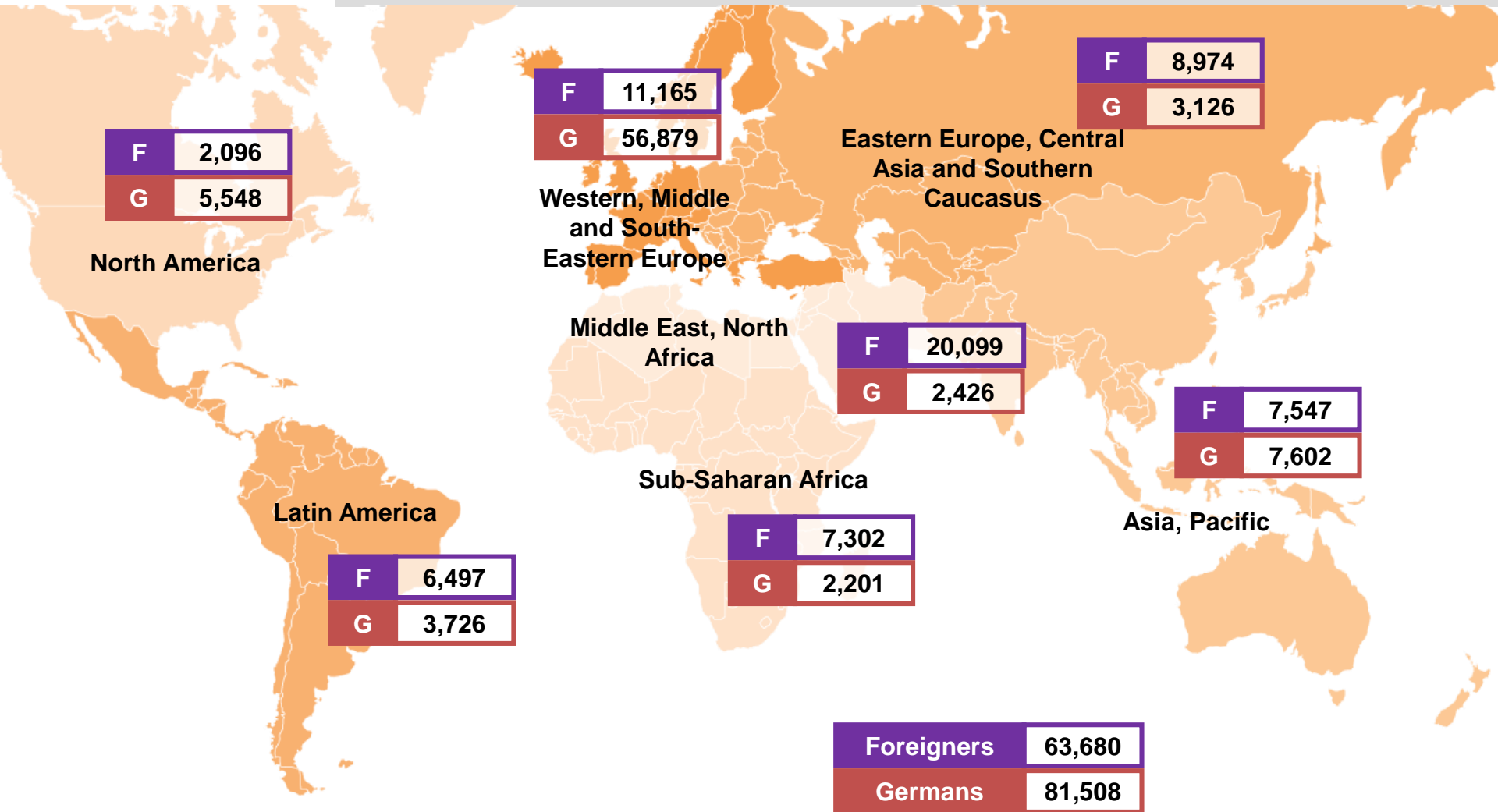


Source: DAAD/Michael Jordan

- World's largest academic exchange organisation
- Scholarships for the best
- Structures for internationalisation
- Expertise for academic collaborations
- Since 1925

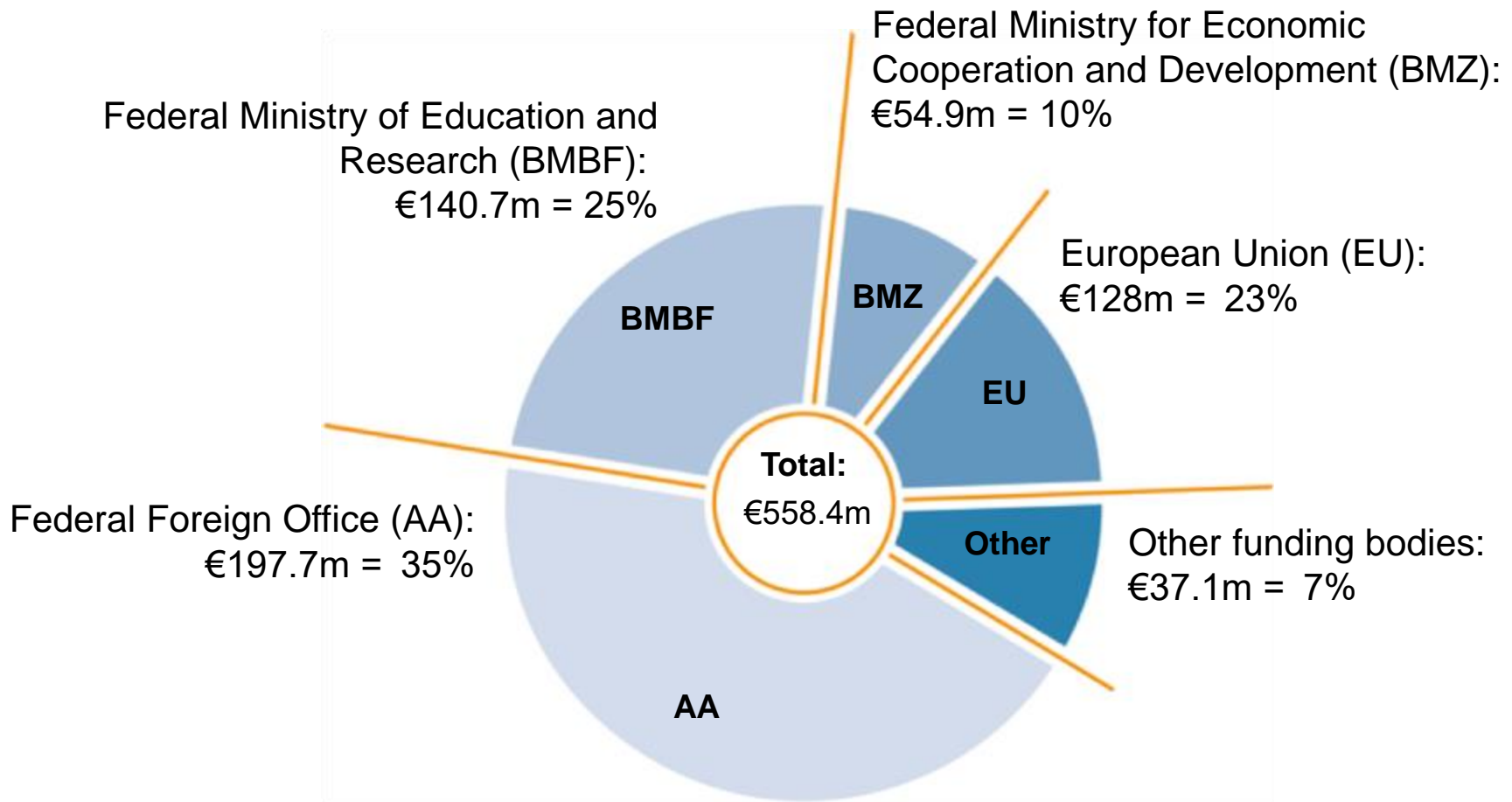


Origins and destinations of scholarship holders





Budget 2018





111 alumni associations in 75 countries



143 m. € in 2019



900 scholars funded 2019



30000+ Humboldtians worldwide 2020



Humboldt Research Fellowship



Alexander von Humboldt
Stiftung / Foundation

Postdocs (within 4 years of PhD): 6-24 months support to work on a research project

- 2670 EUR per month
- Apply any time

Experienced Researchers (within 12 years of PhD): 6-18 months support to work on a research project (may be divided into three separate stays)

- 3170 EUR per month
- Apply any time

Benefits (both)

- Travel lump sum (to Germany and within Europe)
- Language classes
- Family allowance (if applicable)
- Mentoring, support, and access to vast alumni-network



Other AvH Programs



Alexander von Humboldt
Stiftung / Foundation

Humboldt Research Award for eminent foreign researchers at the peak of their academic careers and in leading positions

- 60,000 EUR for a period of 5 years for research stays in Germany over a period of 6-12 months, by nomination only

Alexander von Humboldt Professorship for world-leading researchers from abroad

- 3.5-5 million EUR for 5 years, up to 10 awards annually
- Nominations by German universities or joint applications by university/non-university institutions
- Strategic plan by university must integrate award winner into long-term research and development
- **NEW!!** – 30 additional Alexander von Humboldt Professorships in Artificial Intelligence to be awarded by 2024
 - to include socio-economic, ethical and legal implications of AI



Useful links

Finding a job in R&D

- PhD Germany
www.phdgermany.de
- Research in Germany
www.research-in-germany.org/jobs
- EURAXESS
www.euraxess.de
- Academics
www.academics.com





Questions?

Thank you!



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