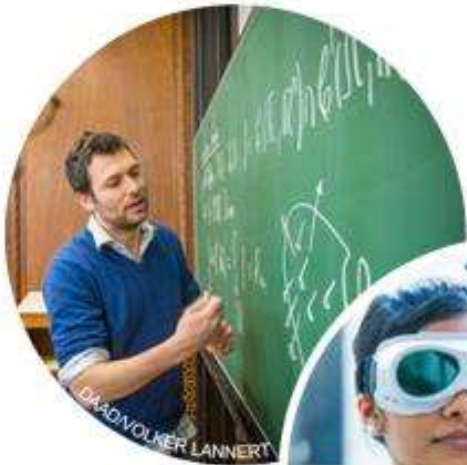




Funding Research in Germany

Dalhousie University

March 9, 2022



Facts | Structures | Funding

Research in Germany





Facts and figures



Almost 1,000 publicly funded research institutions



Research expenditures: 109,5 bn euros = 3,2% GDP



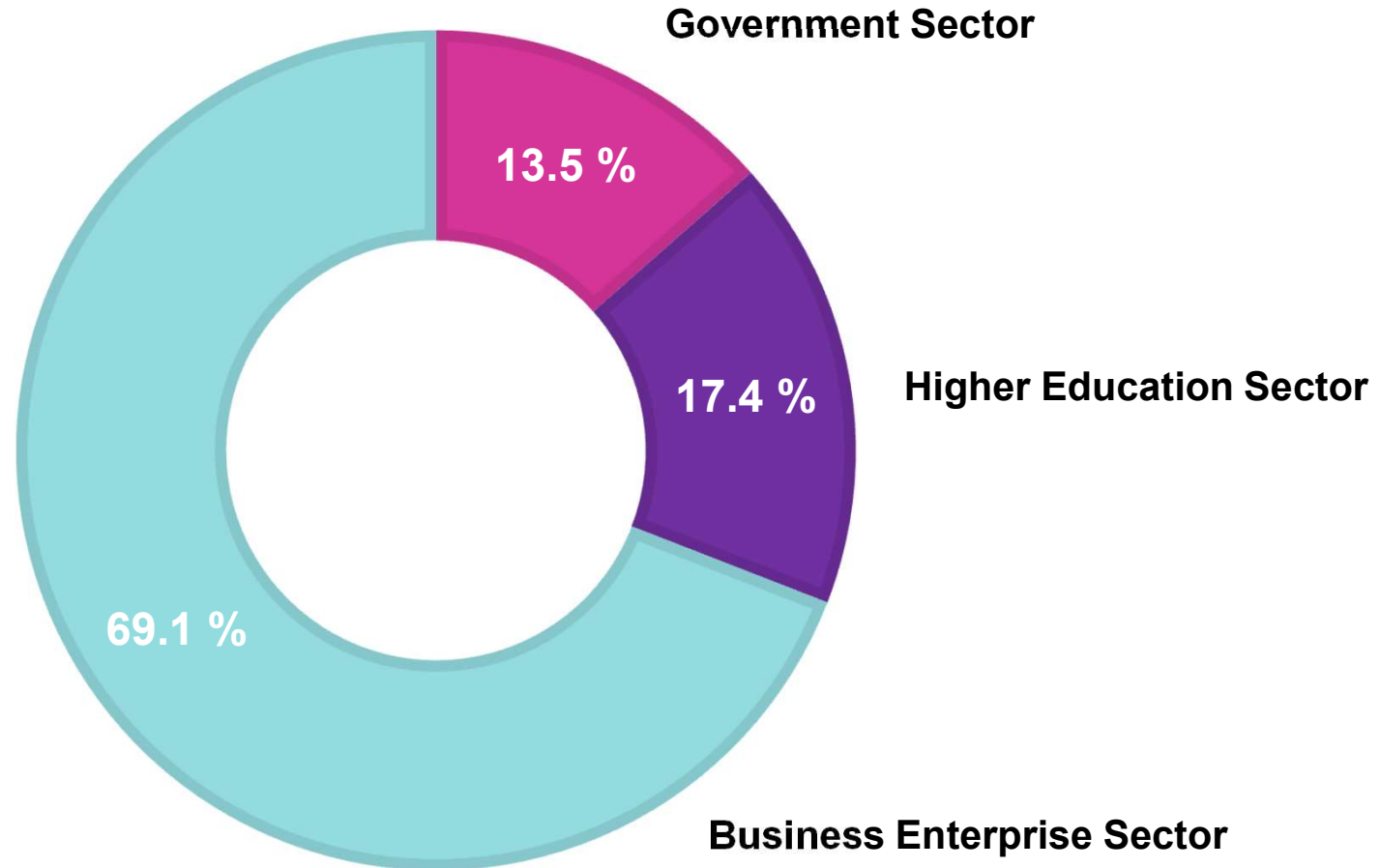
708,000 people in the R&D sector



Bilateral, European and multilateral cooperation with more than 155 countries



Research expenditures by sector



Source: Federal Statistical Office, 2019

Research Policy Objectives

- Provide funding for future-oriented issues (sustainability, hi-tech)
- Create an innovation-friendly research environment
- Support start-ups and scientific spin-offs in particular
- Create networks to foster collaborative research
- Provide researchers with good working conditions
- Promote internationality



Federal Ministry
of Education
and Research

Research in
Germany



Land of Ideas



High-Tech Strategy 2025

Fields of Future Relevance

Health and Care



© Volker Lannert/DAAD

Sustainability, Climate Protection and Energy



© UFZ/André Künzelmann

Mobility



© Karlsruher Institut für Technologie

Urban & Rural Living: Equal Chances



© www.bmbf.de

Safety and Security





Excellence Strategy

Federal- and state-funded research programme

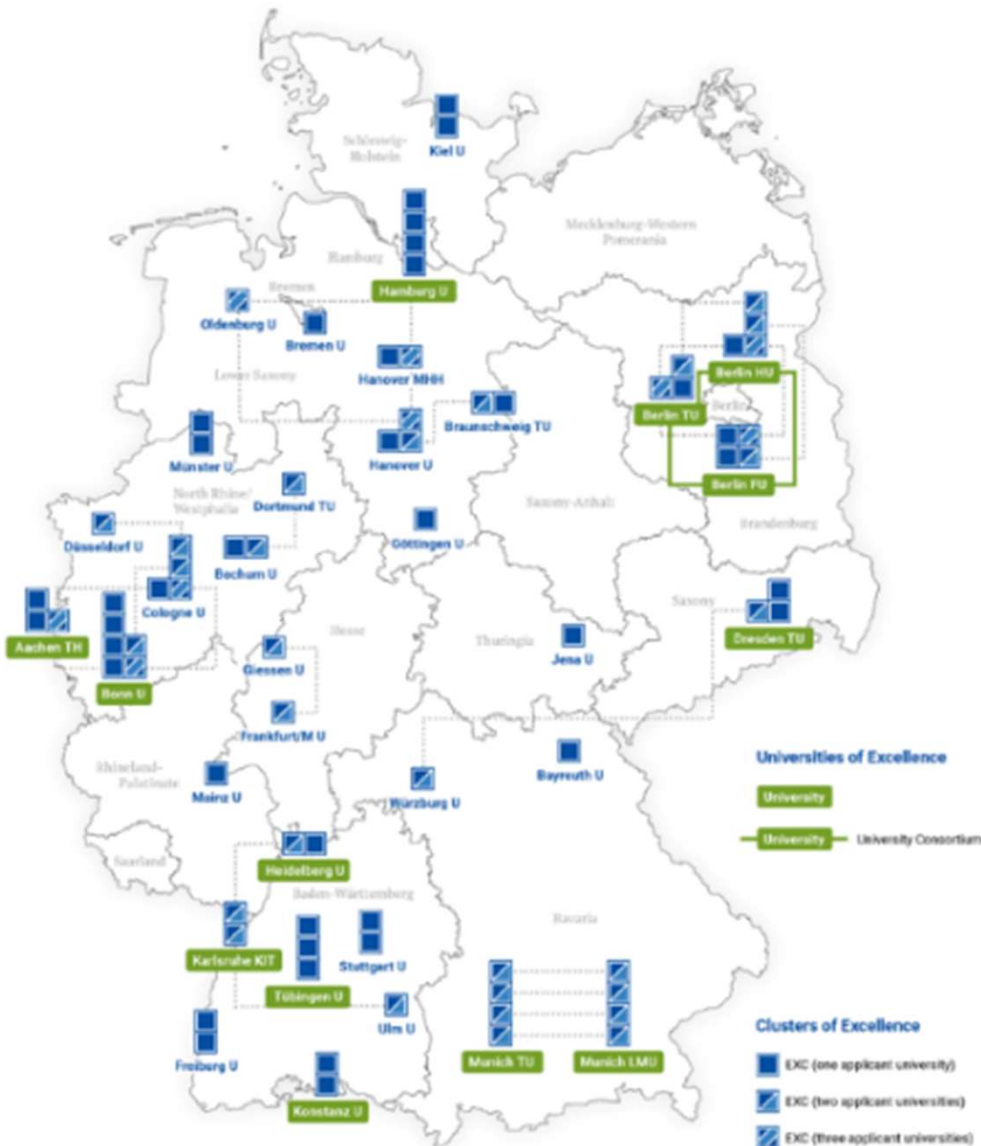
- Duration: open ended
- Total funding volume: annually 533m euros
- Focus: university research activities
- Cooperation with research institutions, universities of applied sciences and companies





Excellence Strategy

Clusters and Universities of Excellence



Universities of Excellence

- RWTH Aachen University
- Berlin University Alliance
- University of Bonn
- Technische Universität Dresden
- Universität Hamburg
- Heidelberg University
- Karlsruhe Institute of Technology (KIT)
- University of Konstanz
- Ludwig-Maximilians-Universität München (LMU)
- Technical University of Munich
- University of Tübingen



Pillars of the German research sector

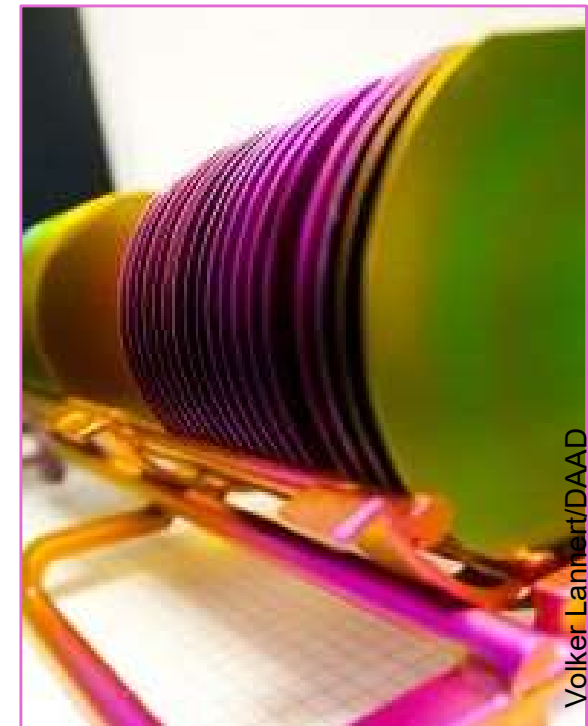
Universities (HEIs)



Non-university research institutes



Industrial research





Universities

- ~ 400 HEIs – 156 authorized to confer doctorates
- 2.95 million students (2021/22),
~ 416,000 international (~14%)
- ~ 28,000 international doctoral candidates
- Most popular non-English-speaking study destination
- Fourth most popular study destination worldwide
- Almost 40% of German students study abroad





Max Planck Society



86 institutes



1,92 bn euros



15,000 researchers




55% international researchers

www.mpg.de/en

MAX PLANCK INSTITUT



Helmholtz Association

 19 research centres

€ 5,4 bn euros

 44,000 staff in total

 10,786 international researchers

www.helmholtz.de/en/



Leibniz Association



96 institutes



2 bn euros



11,724 researchers



26% international researchers

www.leibniz-gemeinschaft.de/en.html



75 institutes



2,8 bn euros



29,000 staff in total

www.fraunhofer.de/en.html





DAAD

DAAD
Canada



69 offices worldwide



610 m. € in 2020



111.114 scholars funded 2020



Scholarships & grants for all disciplines, at all stages



Offices in six nations worldwide



3,3 bn € in 2020



31 150 projects in 2020



Scholarships & Grants for research projects
in all disciplines



109 alumni associations in 73 countries



131,4 m. € in 2020



955 scholars funded 2020



30 533 Humboldtians worldwide (2020)



Funding Opportunities for Faculty in Canada

Programs for Individual Mobility



Research Stays (Faculty)



-  **In Brief** Supports research-related stays in Germany of between 1-3 months in length
-  **Who?** Full-time faculty & research staff (must have PhD), from any discipline
-  **Duration?** 1-3 months
-  **Terms of Award?** € 2,000 – 2,150 / month, depending on seniority
-  **Deadlines?** October and May

www.daad-canada.ca/research-stays

Research in
Germany

Land of Ideas



DLR-DAAD Research Fellowships

-  **In Brief** Supports research stays at German Aerospace Centres (DLR)
-  **Who?** Full-time faculty working in areas of Aeronautics, Space, Transportation and Energy
-  **Duration?** 1-3 months
-  **Terms of Award?** € 2,300 / month
-  **Deadlines?** Applications accepted on rolling basis



www.daad.de/dlr

Research in
Germany

Land of Ideas



Visiting Professorship



-  **In Brief** Supports a visiting professorship for teaching purposes at a German university
-  **Who?** Highly qualified scholars in all disciplines with a PhD (or equivalent), and have an affiliation with a higher education institution
-  **Duration?** 3 months – 2 years
-  **Terms of Award?** Paid according to standard salary rates at German universities
-  **Deadlines?** Application submitted by German host university






www.daad-canada.ca/visiting-professorship

Research in
Germany

Land of Ideas








Humboldt Research Fellowship (Experienced Researchers)

-  **In Brief** Supports research stays of between 6 and 18 months in Germany
-  **Who?** Highly-qualified scholars in all fields who received their PhD no more than 12 years previous
-  **Duration?** 6-18 months, divisible into up to 3 blocks
-  **Terms of Award?** € 3,170 / month + family allowance, insurance, etc.
-  **Deadlines?** Applications accepted on rolling basis



Learn German: Online German Courses for Faculty



-  **In Brief** Supports faculty wishing to learn German for academic purposes
-  **Who?** Scholars who hold a PhD (or equivalent) and have been working in research or teaching full-time at a Canadian university or research institution for at least two years
-  **Duration?** Courses run 5, 8 or 16 weeks
-  **Terms of Award?** DAAD covers full costs of course participation
-  **Deadline?** April 1

www.daad-canada.ca/learn-german

Research in
Germany

Land of Ideas



Funding Opportunities for Postdocs / PhD Students
Programs to Support Individual Mobility





Research Grants (PhDs / Postdocs)



-  **In Brief** Supports research-related stays in Germany
-  **Who?** Full-time PhD Students / Recent Postdocs (no more than 4 years since PhD)
-  **Duration?** Short-term: 1-6 months (PhD / Postdoc)
One Year: 7-12 months (PhD only)
-  **Terms of Award?** € 1,200 / month, travel stipend, insurance
-  **Deadlines?** Short-term: November and May;
One Year: November only






www.daad-canada.ca/research-grants

Research in
Germany

Land of Ideas



International Visiting Researchers at Max-Planck Centres

-  **In Brief** Supports research stays at Max-Planck Research Centres in Germany
-  **Who?** PhD Students / Postdocs
-  **Duration?** PhD students: 1-6 months
Postdocs: up to 2 years
-  **Terms of Award?** Depends on personal profile & research project
-  **Deadlines?** Posted on Max-Planck's Job Board



Humboldt Research Fellowship (Postdoctoral Researchers)

In Brief

Supports research stays of between 6 and 24 months in Germany

Who?

Highly-qualified postdocs in all fields who received PhD no more than 4 years previously

Duration?

6-24 months

Terms of Award?

€ 2,670 / month, travel + family allowances, insurance, etc.

Deadlines?

Applications accepted on rolling basis



Funding Research & Teaching Collaboration
Group & Institutional Scale





Group Study Visit



- ✿ **In Brief** Study visits in all disciplines to facilitate engagement with modern Germany
- ✿ **Who?** Full time Faculty;
10 - 15 students
- ✿ **Duration?** 7 - 12 days
- ✿ **Value?** € 50 / day p.p. towards costs of accommodation & board
- ✿ **Deadlines?** February, May, November

www.daad-canada.ca/group-study





Bilateral Program for Cooperative Research Grants / PPP



In Brief

To intensify research cooperation within concrete, joint research project *in all fields*

Who?

German universities

Duration?

Maximum of 3 years for the entire project

Value?

Up to € 15,000 funding per year



www.daad.de/ppp (in German)

Research in
Germany

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International Study and Training Partnerships



- In Brief** Increasing internationalization by funding a fully accredited study period (1 or 2 semesters) within a partnership in specific field
- Who?** German universities
- Duration?** 2 years, extensions possible
- Value?** For German students: Mobility costs, funds for language course & tutorials;
For Canadian students: language courses & tutorials;
For faculty: guest lectureships

www.daad.de/isap (in German)



Integrated International Double Degree Programs



In Brief

Initiating international degree programs awarding double degree

Who?

German universities

Duration?

Max. 8 years

Value?





Up to € 110,000 for personnel + material costs in planning phase
scholarships for German students during

www.daad.de/doppelabschlussprogramm
(in German)



Grants to support the initiation of international collaboration



-  **In Brief** Grant for initiating bilateral collaboration and joint research projects
-  **Who?** Postdocs / Junior & Senior researchers (at German research institutions)
-  **Duration?** Max. 3 months for trips abroad + guest visits (within 12 months)
-  **Value?** € 105–160 / day or monthly allowances for participation in events in partner country + travel allowances

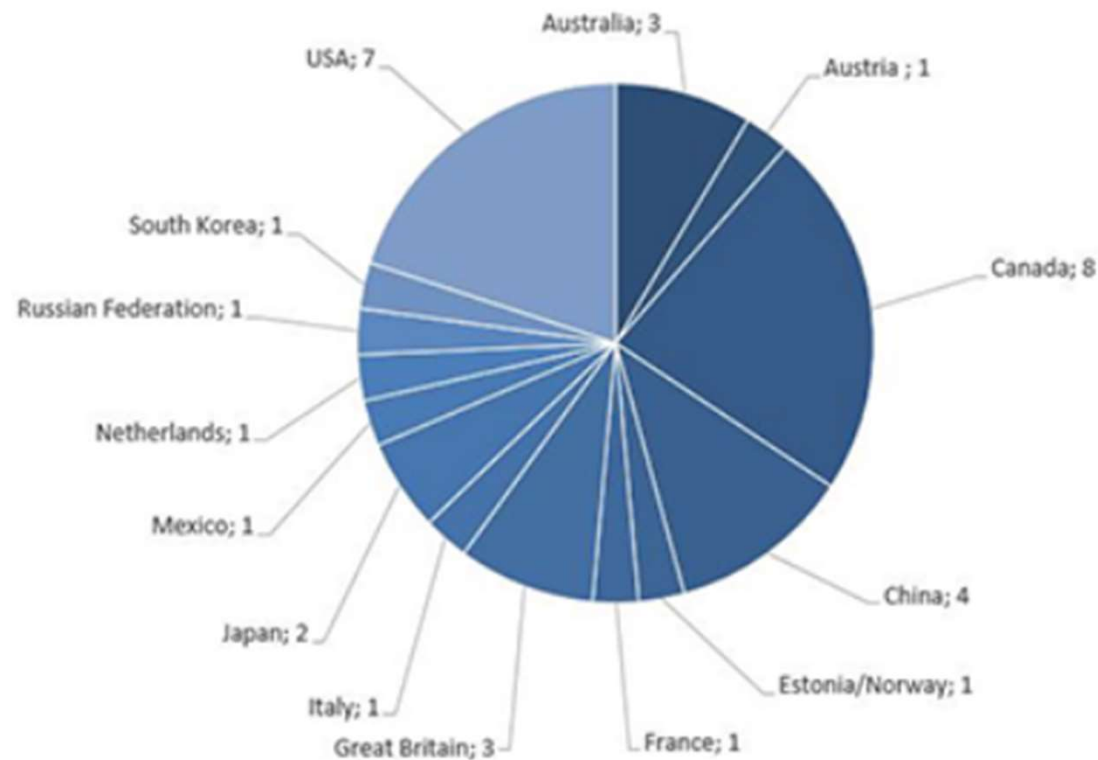
https://www.dfg.de/en/research_funding/programmes/international_cooperation/initiation_international_collaboration/



International Research Training Groups (IRTG)



35 International Research Training Groups



Stand 11/2021

www.dfg.de/en

Research in
Germany

Land of Ideas



Inviting Colleagues from Germany



- **Lecture Series**
- **Group Study Visits (Promos)**
- **Short-Term-Lectureships**
- **Hosting Research Interns, PhD Students or Postdocs from Germany**



DAAD Scholarship Database (in German)
www.daad.de



Online Resources

Identifying Research Institutes & Partnerships



Online databases with access to over 25,000 German university & non-university research institutes & over 27,000 research partnerships

www.gerit.org

www.internationale-hochschulkooperationen.de





Online Resources II

Research in Germany web portal

Research in
Germany
Land of Ideas



Research landscape News and research areas Your goal Our service

Research in Germany

Germany is a top destination for PhD students, postdocs, and senior scientists. The website "Research in Germany" helps you to find your way to Germany, to seek for PhD positions, research jobs or funding opportunities. It describes the German research landscape and provides you with contacts to institutions and networks. Welcome to Germany - the Land of Ideas!



www.research-in-germany.org



Questions?



Need more information?

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