



# The German research landscape



AN INITIATIVE OF THE



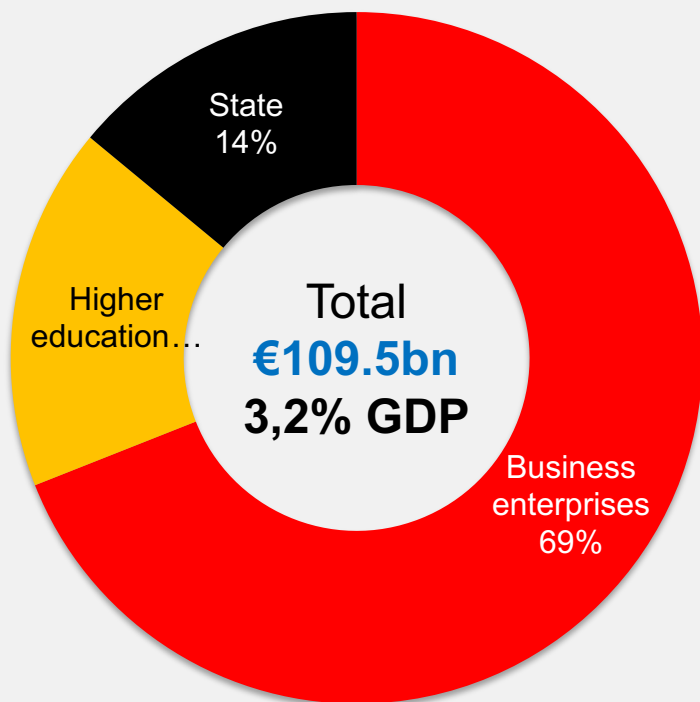
Federal Ministry  
of Education  
and Research

Dr Oksana Seumenicht  
[Oksana.Seumenicht@mdc-berlin.de](mailto:Oksana.Seumenicht@mdc-berlin.de)

Research in  
Germany  
  
Land of Ideas



# Research expenditure & organization



**736,000** staff in R&D

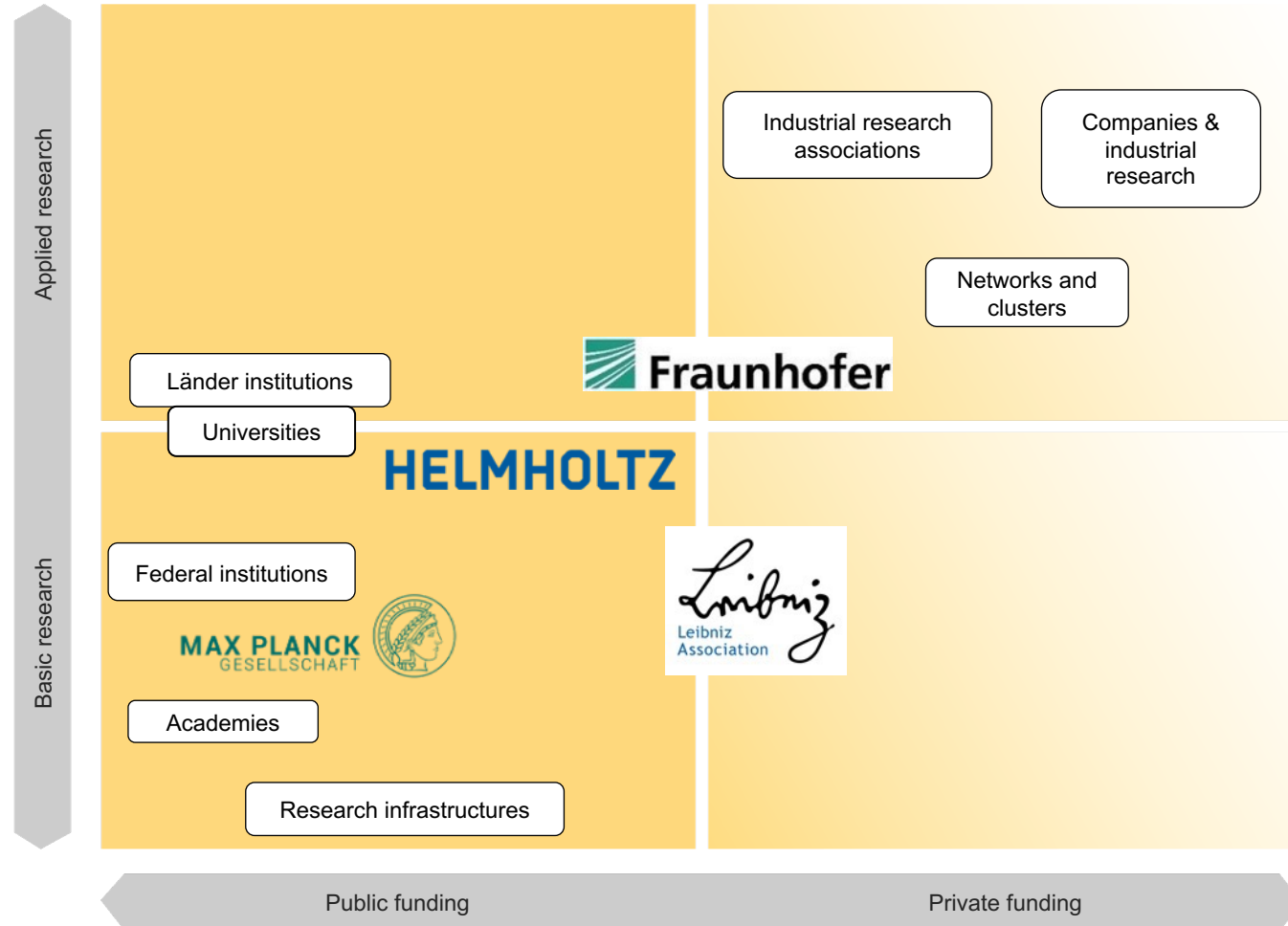
## Pillars of the German research sector:

- **Higher education institutions:**  
**420** universities, universities of applied sciences (Fachhochschulen) & Art Schools
- **Non-university research institutions:**  
**1,000+** public & publicly funded research institutes & centres
- **Companies & industrial research:**  
**17,500+** research companies

2019; internal expenditure on R&D by sector  
Source: Federal Statistical Office



# Overview



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Layout adaptation: Fazit



# Funding agencies & foundations



Deutscher Akademischer Austauschdienst  
German Academic Exchange Service



Alexander von Humboldt  
Stiftung/Foundation



Deutsche  
Forschungsgemeinschaft



Federal Ministry  
of Education  
and Research

Private/ public foundations, e.g.

In Berlin, e.g.



STIFTERVERBAND  
Bildung, Wissenschaft, Innovation.



VolkswagenStiftung



Deutsche Krebshilfe  
HELFFEN. FORSCHEN. INFORMIEREN.

GERDA HENKEL STIFTUNG



Else  
Kröner  
Fresenius  
Stiftung



SONNENFELD  
STIFTUNG  
Stiftung des privaten Rechts

# Higher education institutions

## German Rectors' Conference

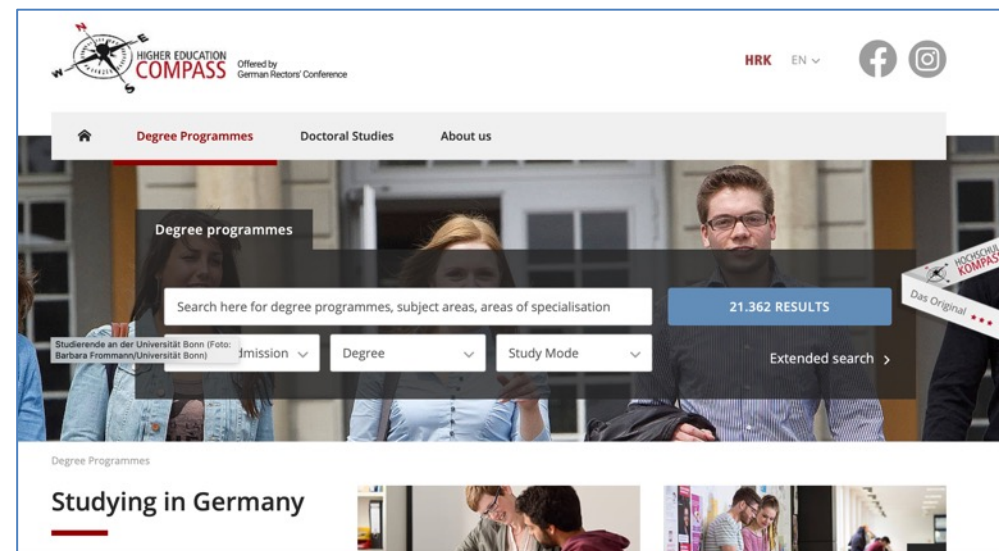
**420 HEIs, incl.**

➤ **120 universities:**

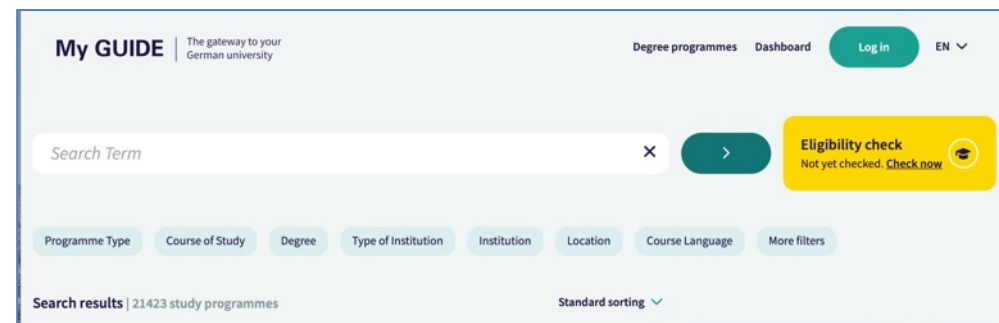
- entitled to confer doctorates
- strong in research
- around 22,000 international collaborations

➤ **203 universities of applied sciences (FH/UAS):**

- combine practical science & application-oriented teaching
- entitled to confer doctorates in certain subjects/ joint doctoral degrees
- regionally rooted & cooperate with companies, associations, municipalities or social institutions at the local level



<https://www.hochschulkompass.de/en/degree-programmes.html>



<https://www.myguide.de/en/degree-programmes/>





# Non-university research organizations:

## The big four

**HELMHOLTZ**

 **Fraunhofer**

**MAX PLANCK**  
GESELLSCHAFT 

  
Leibniz  
Association

Organisation	No of institutes/ centres	Annual budget, bn	Staff in total
Helmholtz Association	18	€5.0	43,000
Fraunhofer-Gesellschaft	75	€2.8	29,000
Max-Planck-Gesellschaft	86	€2.6	24,000
Leibniz Association	97	€2.0	21,000



# Non-university research organizations:

## The big four

**HELMHOLTZ**

- ✓ 6 research fields: Energy; Earth and Environment; Health; Information; Aeronautics; Space & Transport; and Matter
- ✓ Large-scale equipment and infrastructure
- ✓ Programme-centred

 **Fraunhofer**

- ✓ World's leading organisation for application-oriented research
- ✓ Contract research for business, industry and government (66%)

**MAX PLANCK**  
GESELLSCHAFT 

- ✓ Basic research in all scientific fields
- ✓ Person-centred



- ✓ Investigation of socially, economically & ecologically relevant issues
- ✓ Runs research infrastructures, archives, museums & libraries



# Other non-university research

- **42** federal research institutions
- **143** state (Länder) research institutions
- **11** academies of sciences & humanities







# BMBF program Funding of the German-Ukrainian “Cores of Excellence (CoE) in Ukraine

With this programme the German Federal Ministry of Education and Research (BMBF) is supporting the establishment of excellent joint German-Ukrainian research groups or small institutes (Cores of Excellence, CoE) in Ukraine to strengthen the sustainable bilateral research partnership between Germany and Ukraine.

A total of 38 eligible applications were submitted in 2019.

[12 concepts](#) were selected for the concept phase funding (aiming at the development of a detailed economically feasible plan), incl. with Berlin researchers:

- [ReLoaD](#): Interdisciplinary research on decentralization and its impact on the democratic process in Ukraine.

**Coordinator: Institute for European Politics (IEP), Berlin, in cooperation with Kyiv School of Economics (KSE)**



# German Academic Exchange Service



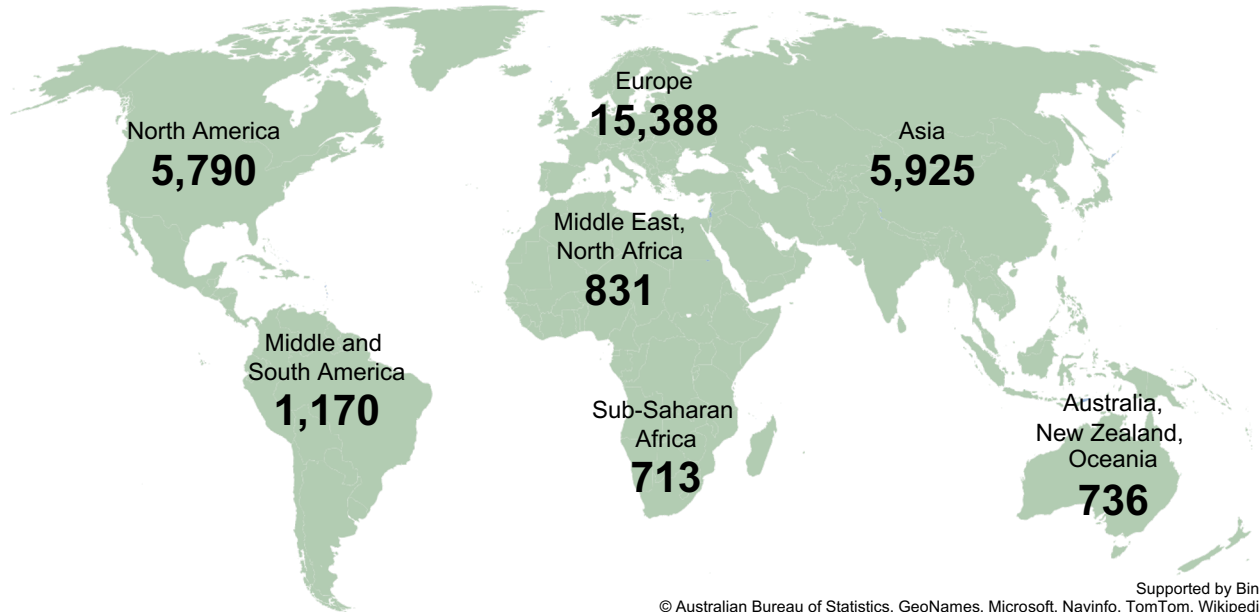
Deutscher Akademischer Austauschdienst  
German Academic Exchange Service

- ✓ World's largest academic exchange organization:  
    > **111,000** scholars funded
- ✓ Promotes excellence & broadens perspectives of  
    education & science through international exchange
- ✓ **€549m**
- ✓ 68 offices worldwide
- ✓ [Національний академічний контактний центр для України/  
National Academic Contact Point Ukraine](#)





## The Humboldt network



- ✓ Supports scientific cooperation between German & foreign researchers: **approx. 1,000 scholars funded per year**
- ✓ **€131.4m**
- ✓ Person-centred (from postdoc level)
- ✓ [Philipp Schwartz Initiative](#) for researchers at risk: The 12th call is expected to be announced in June 2022

2021; 30,553 Humboldtians worldwide  
Source: Alexander von Humboldt Foundation



- ✓ Biggest research funder: **€3.3bn**, **> 30,000** funded projects per year
  - ✓ Self-governing organisation for science and research funded at federal & state level
  - ✓ Project-specific funding for postdocs; coordinated programmes; Excellence Strategy; infrastructural funding
    - ✓ **Walter Benjamin position**: refugee researchers who have been forced to leave their home country within the last 3 years could embark on their own research project
    - ✓ Under many DFG funding programmes **it is possible to submit supplemental proposals for the purpose of integrating persons who have fled their home countries** in ongoing DFG projects that already receive funding
- [https://www.dfg.de/en/research\\_funding/announcements\\_proposals/2022/info\\_wissenschaft\\_22\\_17/index.html](https://www.dfg.de/en/research_funding/announcements_proposals/2022/info_wissenschaft_22_17/index.html)
- ✓ DFG grants' database: [www.gerit.org](http://www.gerit.org)



*2020; source: DFG; amount of research funding awarded by programme*



# Cooperation with Developing Countries

- ✓ **Eligible** to apply are researchers/scientists from all subjects and disciplines **at German research institutions** who have completed their academic education (typically by having completed a doctorate)
- ✓ **Funding** for personnel, scientific instrumentation and apparatus, consumables, travel, miscellaneous expenses and publications
- ✓ For **both the partner institute in Germany and the cooperation partner/institute in the developing country**
- ✓ **No deadline**

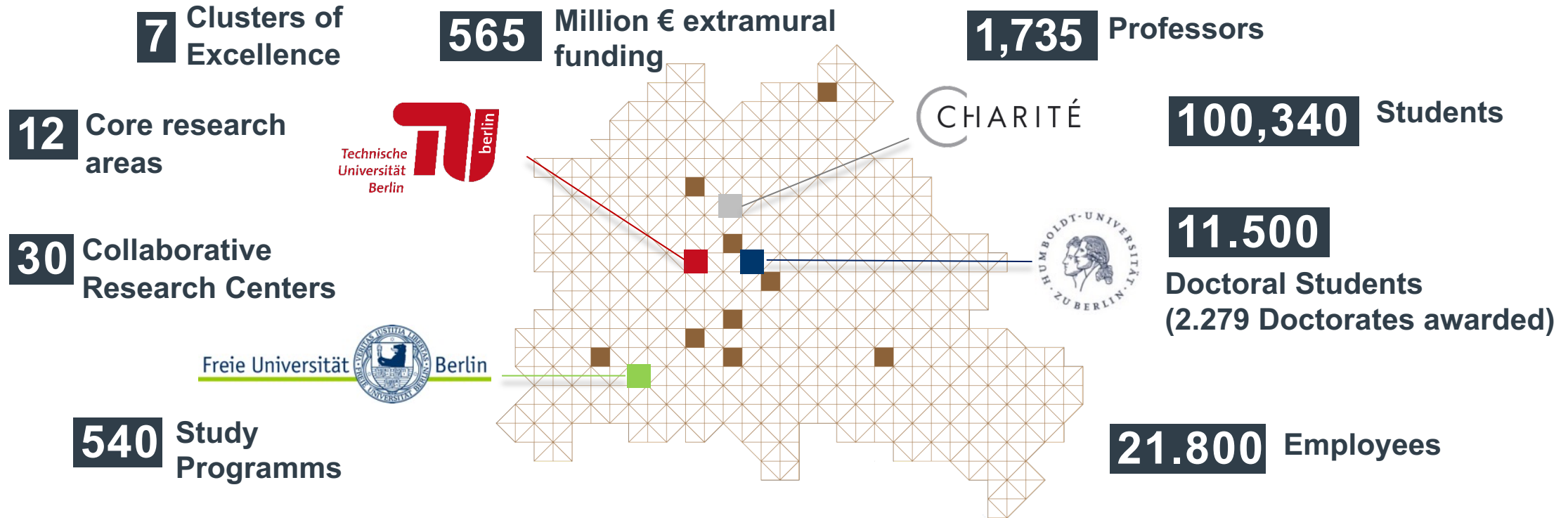
[https://www.dfg.de/en/research\\_funding/programmes/international\\_cooperation/developing\\_countries/index.html](https://www.dfg.de/en/research_funding/programmes/international_cooperation/developing_countries/index.html)



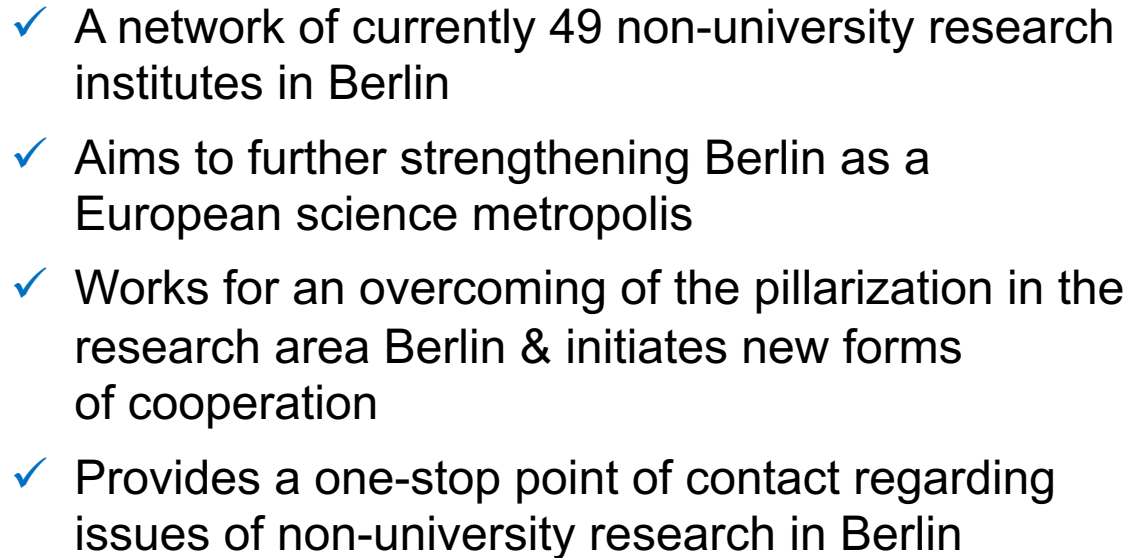
# Berlin University Alliance (BUA)



**Vision:** Turning Berlin into an integrated research environment that will be one of the Europe's leading science hubs with the alliance as nucleus & driving force









# European Fund for displaced scientists

On 31 March, ALLEA launched a [new programme](#) to support scientists impacted by the war. The initiative is funded thanks to the Breakthrough Prize Foundation donation of \$1.5 Million.

**Funding Line 1** provides funds to academic institutions in Europe that are willing and able to host researchers who have been displaced by the war in Ukraine. The aim is to provide immediate assistance to scholars in the continuation of their research in a safe environment.

- **Eligible** are include **postdoctoral & senior researchers**, as well as **assistant, associate or full professors** affiliated with Ukrainian academic and/or research-performing institutions
- Applications will be received in 2 rounds: (1) **1 July 2022** and (2) Information about the 2<sup>nd</sup> round will be provided in due course

**Funding Line 2** provides funds to affected Ukrainian universities, academies, and research institutes to help them maintain and/or reinstate their scientific operations and research collaborations. Its aim is also to support the reintegration process of researchers upon their return to Ukraine. The call will be launched in the near future.



# #StandWithUkraine



- ✓ **UKRAINET [Information & Collaboration Platform](#)** (currently includes 104 collaborative projects)
- ✓ **#SupportUkraine sites:** <https://ukrainet.eu/supportukraine/>, including:
  - [Non-residential offers](#)
  - [Jobs4Ukraine](#)
  - [Supporting learning](#)
  - [Saving heritage & Data rescue](#)
- ✓ **Info-session „Funding opportunities for German-Ukrainian STI cooperation“, Days of Ukraine in Berlin & Brandenburg, 16-17.09.2021; [Video-recording](#) & presentations (check the event's [digital brochure](#))**



# #StandWithUkraine

We support  
**#ScienceForUkraine**  
scienceforukraine.eu



- ✓ **Science For Ukraine**
- ✓ **EURAXESS Germany:** Information for refugees who wish to study in Germany
- ✓ **DAAD:** Національний академічний контактний центр для України/ National Academic Contact Point Ukraine
- ✓ Alexander von Humboldt **“War in Ukraine: Information and measures”**
- ✓ The online platform **www.chance-for-science.de** aims at facilitating the access to German universities and colleagues of the same research field for scientists who fled to Germany
- ✓ **Telegram Channel “Career for Refugees”** created by Tetiana Ovsienko created to help Ukrainian refugees in their careers and education in Germany



# More information

- ✓ [www.research-in-germany.org](http://www.research-in-germany.org)
- ✓ [www.funding-guide.de](http://www.funding-guide.de)
- ✓ [www.higher-education-compass.de](http://www.higher-education-compass.de)
- ✓ [www.phdgermany.de](http://www.phdgermany.de)
- ✓ [www.academics.com](http://www.academics.com)

In Berlin:

- ✓ <https://braincity.berlin/en/>
- ✓ PhD programmes: <https://www.doctoral-programs.de>
- ✓ Summer & Winter Schools: <https://braincity.berlin/en/science-location-berlin/summer-schools>



PDF download:

<https://www.research-in-germany.org/downloads>





# Grand Challenge Initiatives

Climate Change

Pandemic Research

Social  
Cohesion

Global  
Health

Digitalisation

Quantum Computing





# Funding for PhD students

## Graduate and research schools

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- ✓ DFG-funded Research Training Groups (research programmes with a thematic focus)
- ✓ Graduate School Scholarship Programme (GSSP): DAAD-funded programmes at universities or non-university research institutions
- ✓ International Max Planck Research Schools (IMPRS)
- ✓ Helmholtz International Research Schools and Helmholtz Graduate Schools
- ✓ Max Planck Schools (joint initiative of German universities and non-university research institutions)
- ✓ Structured programmes offered by universities and other higher education institutions



# Funding for PhD students

## Individual funding

- ✓ Individual doctoral projects at universities
- ✓ Individual doctoral projects at non-university research institutes
- ✓ DLR-DAAD Research Fellowships
- ✓ ...



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# Research grants – binationally supervised doctoral degrees



Deutscher Akademischer Austauschdienst  
German Academic Exchange Service

- 🌸 **In brief** Doctoral degree at home university with integrated research phases in Germany or partner country
- 🌺 **Who?** PhD students
- 🌻 **Duration?** Up to 2 years
- 🌼 **Value?** Grant: €1,200 /month + additional allowances during stay(s) in Germany



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[www.funding-guide.de](http://www.funding-guide.de)