

Silvia Schmid, Head of the DAAD Information Center Yerevan



AN INITIATIVE OF THE



Federal Ministry of Education and Research DAAD

Deutscher Akademischer Austauschdienst German Academic Exchange Service Research in Germany Land of Ideas



Facts I Structures I Financing Research in Germany









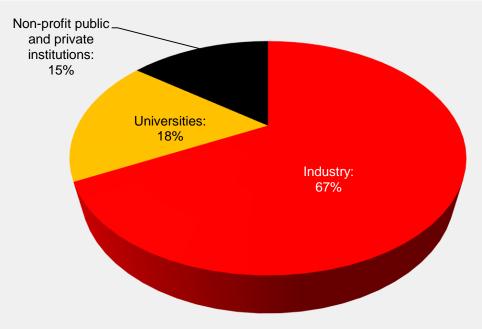
- Almost 1,000 publicly funded research institutions
- Research expenditures: 84 bn euros = 2.88% GDP
- 604,000 people in the R&D sector



Bilateral, European and multilateral cooperation with more than 151 countries







Research expenditures by sector in 2014 (%) Source: Federal Statistical Office



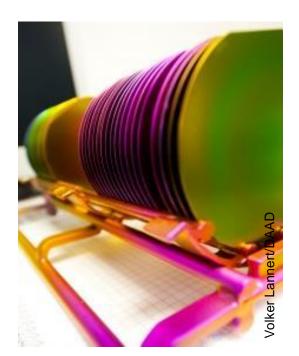
Universities (HEIs)



Non-university research institutes



Industrial research



Diversity | Excellence | Investments Research institutions



search			Industrial Research Associations (AiF)	Companies/ Industrial Research
applied research	Länder Institutions	Fraunho Gesellsc	Networ and Clu fer- chaft	usters
	Universities Helm Assoc	noltz iation		010/Lay
earch	Federal Institutions	Leibniz Associatio	on	Technologiezentrum GmbH 2010/Layout
basic research	Max Planck Society			nologiezentr
þa	Academies			echnolc Frar
	Research Infrastructures			© VDI Tech
	public fundir	ng	private	funding

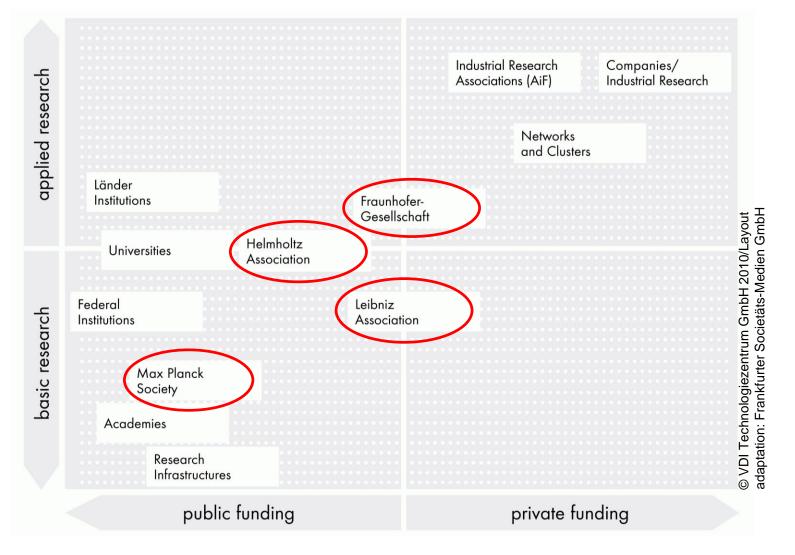


- Approx. 400 HEIs 148 authorised to confer doctorates
- Almost 26,000 international doctoral candidates
- Principle of uniting learning, instruction and research
- Excellence Initiative = 4.6 bn euros for cutting-edge research





Non-university research (I)





Institution	Institutes	Budget	Researchers
Max Planck Society	83 institutes	2.2 bn euros	13,300
Helmholtz Association	18 research centres	4.24 bn euros	14,700
Fraunhofer- Gesellschaft	67 institutes	2.1 bn euros	24,000 (staff in total)
Leibniz Association	89 institutes	1.73 bn euros	9,300





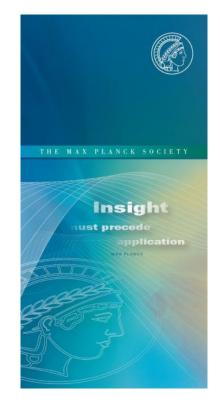
83 institutes 2.2 bn euros 13,300 researchers 47% of the researchers are of international origin

ANCKIN





- Basic research in the natural sciences, life sciences, social sciences and the humanities
- Innovative research fields which are especially demanding in terms of funding or time requirements
- Person-centered research organisation
- 18 Nobel laureates







im 89 institutes im 1.73 bn euros im 9,300 researchers im 23% of the junior researchers are of international origin





Science for the benefit and good of humanity



- Natural, engineering and environmental sciences, economics, spatial and social sciences and humanities
- Knowledge transfer to policymakers, academia, business and the public
- Scientific infrastructure, research-based services
- Archives, museums, national libraries



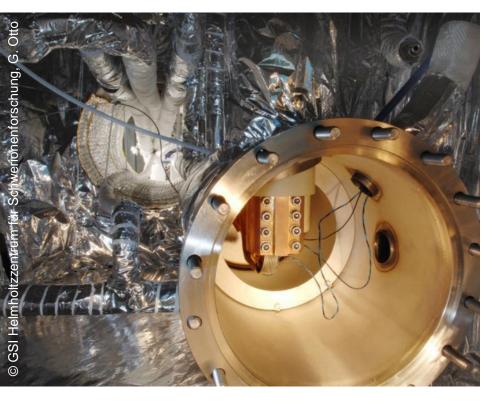


18 research centres
4.24 bn euros
14,700 researchers
7,500 of the researchers are of international origin (2014)

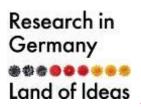




with sustainable research



- Energy, earth and environment, health, key technologies, structure of matter, aeronautics, space and transport
- Research infrastructures
- Basic research with a focus on potential applications
- Applied research







m 67 institutes € 2.1 bn euros 24,000 staff (in total)



Research dedicated to the future

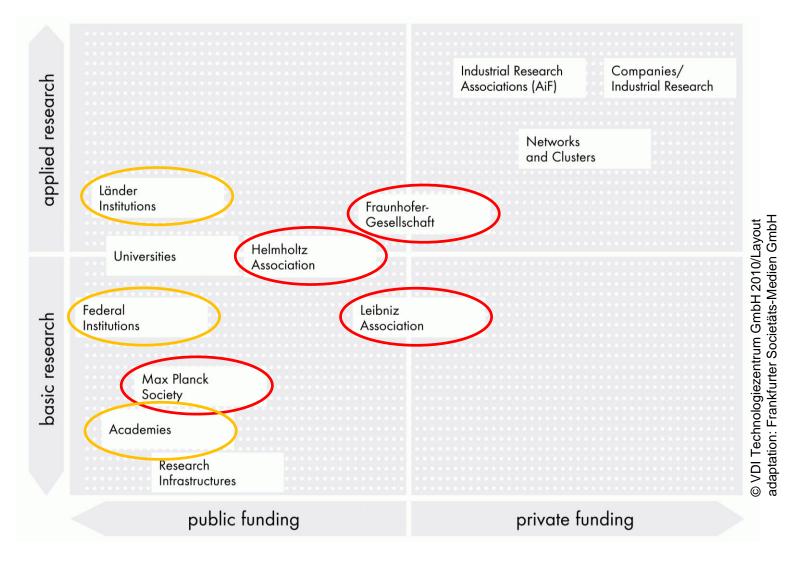


- Integration of scientific findings into useful innovations for industry and society
- Health, security, communication, mobility, energy and environment
- Contract research for industry and government (70%)





Non-university research (II)





Non-university research (II)

- Federal research institutions / departmental research (46)
- "Länder" research institutions (40)



BZa

Materials Research

and Testing



Leopoldina Nationale Akademie

25W

 Academies of Sciences and Humanities





🏶 🏶 🌞 Departmental research

ROBERT KOCH INSTITUT



Robert Koch Institute







Federal Institute for Materials Research and Testing



Academies of Sciences and Humanities





Leopoldina – National Academy of Sciences



Research infrastructures

applied research	Länder Institutions Universities	Helmholtz Association	Fraunhofer- Gesellschaft	Industrial Research Associations (AiF) Networks and Clusters	Companies/ Industrial Research	010/Layout edien GmbH
basic research	Federal Institutions		Leibniz Association			n GmbH 2 cietäts-Mo
	Max Planck Society Academies Research Infrastructure	25				VDI Technologiezentrum GmbH 2010/Layout adaptation: Frankfurter Societäts-Medien GmbH
	publi	c funding		private fu	nding	



Roadmap

- Climate research infrastructures, platforms for social, cultural and humanities reseachers, Life Science networks, research vessels
- Structured decision-making processes for large-scale projects
- Roadmap projects = planning security, funding
- Goal: To provide sophisticated instruments for use in top-level research



Research in Germany Land of Ideas



DLARSTERN

Research ice-breaker "Polarstern"



🏶 🐡 🐘 Industrial research

search			Industrial Research Associations (AiF)	Companies/ Industrial Research
applied research	Länder Institutions	Fraun	Networks and Clust	ters
	Universities	Gese Helmholtz Association	llschaft	 VDI Technologiezentrum GmbH 2010/Layout adaptation: Frankfurter Societäts-Medien GmbH
earch	Federal Institutions	Leibniz Associ		um GmbH Societäts-Iv
basic research	Max Planck Society			ologiezentr ankfurter (
р	Academies			Techno ttion: Fr
	Research Infrastructures			© VDI adapta
	public	funding	private	funding



- 66% of all research funding in Germany comes from business and industry
- Innovation-driving sectors: pharmaceuticals, electronics, automotive engineering, mechanical engineering
- Technology transfer Cluster formation, networks





 10 German corporations are among the top 20 European innovation drivers



Funding opportunities in Germany

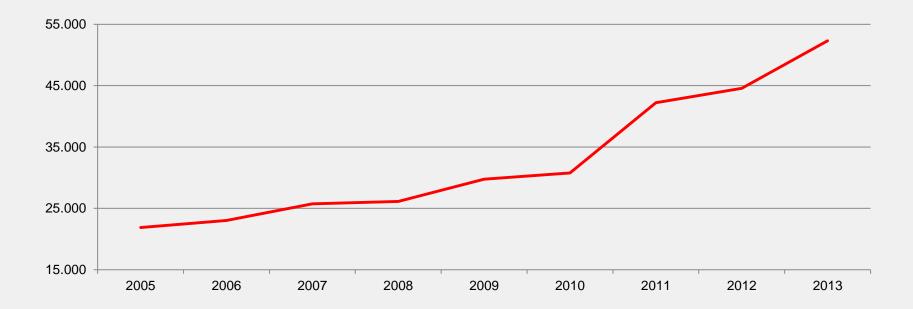


AN INITIATIVE OF THE



Federal Ministry of Education and Research Research in Germany Land of Ideas





Number of international researchers in Germany Source: Wissenschaft Weltoffen



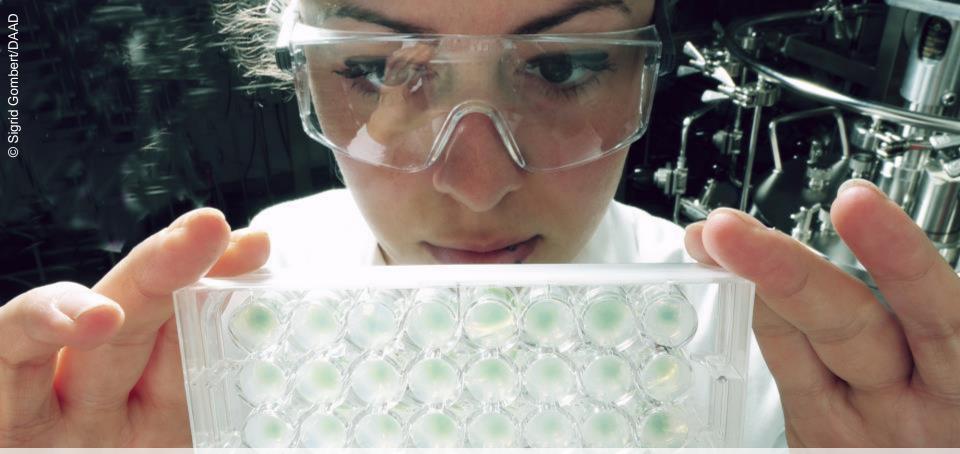
Funding for international researchers

Different programmes for different purposes

Duration	Short-term research stay (up to 2 years)	Long-term research stay (more than 2 years)	Complete doctorate
Type of funding	Grant / scholarship fellowship / award	Work contract	Funding*
Type of doctorate/ position	Individual doctoral project / structured doctoral programme	Postdoctoral researcher / junior research group leader / junior professorship	Senior researcher / research group leader / professorship

*generally includes own salary and expenses for staff and consumables

Research in Germany Land of Ideas



Funding for PhD students



Individual vs. structured PhD

Individual PhD

- Individual research under supervision of supervisor
- Optional courses or other forms of teaching / learning
- Mostly informal admission and marginal formalisation

Structured PhD

- Guidance by a team of supervisors / supervising committee
- Mandatory, fixed supporting curriculum (interdisciplinary)
- Defined application process
- Offered by research training groups / graduate schools



Individual vs. structured PhD model

WHAT KIND OF DOCTORATE SUITS ME BEST? THE DIFFERENCES AT A GLANCE

	TRADITIONAL APPROACH	STRUCTURED PROGRAMME
Selecting a research project	I would like to choose my own doctoral subject. I would like to study for my doctorate with a specific researcher.	I prefer thematic integration in a doctoral or research programme.
Organisation	I enjoy working independently and taking responsibility for my work. I would like to plan how I use my time myself. I would like to primarily concentrate on my research topic. I will attend selected subject seminars, if necessary.	I would like to regularly exchange ideas with colleagues. I would prefer to be integrated in a specific project or have a fixed curriculum. I would like my doctoral study to have a definite timeframe. I would like to receive support with articles, lectures or partici- pation in conferences. I would like to deepen my subject knowledge and key skills in seminars.
Supervision	I would prefer in-depth discussions with one supervisor. I want to find a supervisor accord- ing to my own criteria.	I would like to have several contact partners. I would like to receive support with official formalities such as registration and a work permit.

Research in Germany Land of Ideas



Finding a doctoral position

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





- No tuition fees
- Living costs: approx.
 800 € (\$ 900) per month
- Can be self- or parentfinanced (external funding)
- Financed by the German supervisor or host institution
- Individual funding: research associate contracts (part-time)
- Apply for a scholarship





Different programmes for different purposes

Duration	Research stay (up to 2 years)	Complete doctorate
Type of funding	Grant / scholarship	Work contract
Type of doctorate	Individual doctoral project	Structured doctoral programme





Students 💏 Funding for PhD students

FUNDING PROGRAMME	DURATION		TYPE OF FUN		TYPE OF DOCTORATE		
	Research stay (up to 2 years)	Complete doctorate	Grant/ scholarship	Work contract	Individual doctoral project	Structured doc- toral programme	
DLR-DAAD Research Fellowships					-		
Graduate Schools							
Green Talents							
Indiv. Doct. Projects at Fraunhofer Institutes							
Indiv. Doct. Projects at Helmholtz Centres							
Indiv. Doct. Projects at Leibniz Institutes							
Indiv. Doct. Projects at Max Planck Institutes							
Internat. Helmholtz Res. Schools & Grad. Schools							
International Max Planck Research Schools							
Internat. Visiting Res. at Max Planck Inst.							
Leibniz Graduate Schools and ScienceCampi							
MSC Innovative Training Networks							
Re-invitation Programme							
Res. Grants - Bi-nationally Superv. Doct. Degrees							
Res. Grants - Doctoral Programmes							
Res. Grants - One-Year and Short-Term							
Research Training Groups							
Support Early Career Res. in Clusters of Exc.							
Support Early Career Res. in Collab. Res. Centres							



Graduate and research schools

- DFG Research Training Groups at universities
- Excellence Initiative Graduate Schools at universities
- DAAD-funded doctoral programmes at universities or nonuniversity research institutes
- International Max Planck Research Schools (IMPRS)
- International Helmholtz Research Schools and Graduate Schools
- Leibniz Graduate Schools and ScienceCampi
- European programme: MSC Innovative Training Networks



Individual funding

- Individual doctoral projects at universities
- Individual doctoral projects at non-university research institutes:
 - Fraunhofer Institutes
 - Helmholtz Centres
 - Leibniz Institutes
 - Max Planck Institutes
- DLR-DAAD Research
 Fellowships



Research in Germany



Research grants – One-year and short-term grants

- In Brief Research or training project at a staterun or state-recognised university or non-university research institute in Germany
- Who?
 PhD students
 Postdocs / Junior researchers
- Duration? One-year grants: 7–10 months Short-term grants: 1–6 months
- Solution Value? 750–1,000 €/month + additional allowances

Research in Germany Land of Ideas

DAAD





Research grants – Doctoral programmes in Germany

In Brief Doctoral project (individual or structured programme) at a state-run or state-recognised university or nonuniversity research institute in Germany



- Who?
 PhD students
- Duration?
 Up to 3 years
- **Value?** 750–1,000 €/month + additional allowances



www.funding-guide.de



Research grants – Binationally supervised doctoral degrees

- In Brief
 Doctoral degree at home university with integrated research phases in Germany
- Who?
 PhD students
- **Duration?** Up to 2 years
 - Value? Grant: 1,000 €/month + additional allowances during stay(s) in Germany



DAAD



DLR-DAAD research fellowships

In Brief Research / doctorate in space, aeronautics, energy and transportation research at a DLR Institute

- Who?
 PhD students
 Postdocs / Junior researchers
 Senior researchers
- Duration? PhD students: 36 months Junior researchers: 6–24 months Senior researchers: 1–3 months
- Fellowship: 1,500–2,300 €/month + additional allowances





Funding for postdocs



Different programmes for different purposes

Duration	Short-term (up to 1 year)	Long-term (more than 1 year)	
Type of funding	Fellowship / Grant	Work contract	Funding*
Position	Postdoctoral researcher	Junior research group leader	Junior professorship

*generally includes own salary and expenses for staff and consumables



Funding for postdocs

FUNDING PROGRAMME	DURATION		TYPE OF FUNDING			POSITION		
	Short-term (up to 1 year)	Long-term (more than 1 year)	Fellowship/ grant	Work contract	Funding*	Postdoctoral researcher	Junior research group leader	Junior professorship
Bilateral Exchange of Academics								
DLR-DAAD Research Fellowships								1
Emmy Noether Programme								1
ERC Consolidator Grants								
ERC Starting Grants								
Fraunhofer Attract								1
Georg Forster Res. Fellowship for Postdoct. Res.	-							ŧ
Graduate Schools					1			l.
Grants to Support the Initiation of Internat. Collab.	-							1
Green Talents		1			1			1
Head of Max Planck Res. Group at Max Planck Inst.								I
Helmholtz Young Investigators Groups								1
Humboldt Res. Fellowship for Postdoct. Res.								
Internat. Visiting Res. at Max Planck Inst.								
Leibniz-DAAD Research Fellowships	-							
Max Planck Gr. for Advanced Postdoct. Training					1			
MSC European Fellowship								
P.R.I.M.E.								1
Re-invitation Programme								
Research Grants								1
Research Grants - One-Year and Short-Term	-							
Research Stays for Univ. Academics & Scientists		1				=		
Research Training Groups								
Sofja Kovalevskaja Award								
Support Early Career Res. in Clusters of Exc.								
Support Early Career Res. in Collab. Res. Centres					1			-

*generally includes own salary and expenses for staff and consumables



Funding for senior researchers



Funding for senior researchers

Different programmes for different purposes

Duration	Short-term (up to 1 year)	Long-term (more than 1 year)	
Type of funding	Fellowship / Grant	Work contract	Funding*
Position	Senior researcher	Research group leader	Professorship

*generally includes own salary and expenses for staff and consumables





Funding for senior researchers

FUNDING PROGRAMME	DURATION		TYPE OF FUNDING			POSITION		
	Short-term (up to 1 year)	Long-term (more than 1 year)	Fellowship/ award	Work contract	Funding*	Experienced researcher	Research group leader	Professorship
Alexander von Humboldt Professorship								
Anneliese Maier Research Award						=		İ
Bilateral Exchange of Academics								
DLR-DAAD Research Fellowships		-		1				1
ERC Advanced Grants								
Fraunhofer Attract								
Fraunhofer-Bessel Research Award		1						ł
Friedrich Wilhelm Bessel Res. Award								
Georg Forster Research Award								
Georg Forster Res. Fellowship for Exp. Res.				1				
Grants to Support the Initiation of Internat. Collab.								
Heisenberg Programme – Fellowship						-		1
Heisenberg Programme – Professorship								
Humboldt Research Award								1
Humboldt Res. Fellowship for Exp. Res.								1
Internat. Visiting Res. at Max Planck Inst.								
Internat. Visiting Scholars at Leibniz Inst.								
MSC European Fellowship								
Re-invitation Programme								
Research Grants						-		
Research Stays for Univ. Academics & Scientists								1

*generally includes own salary and expenses for staff and consumables



Bilateral exchange of academics

- In Brief
 Research and study visits as part of bilateral exchange of researchers and scholars with partner countries
- Who?
 Postdocs / Junior
 researchers
 Senior researchers
- Duration?
 2 weeks–3 months

Value? Fellowship: 2,000– 2,150 €/month

www.funding-guide.de



DAAD



Research stays for university academics and scientists

In Brief Short-term research stay at a staterun or state-recognised university or non-university research institute in Germany



- Who? Postdocs / Junior researchers Senior researchers
- Duration?
 1–3 months
- Value? 2,000–2,150 €/month, incl. travel allowance

www.funding-guide.de





DLR-DAAD research fellowships

In Brief Research / doctorate in space, aeronautics, energy and transportation research at a DLR Institute

- Who?
 PhD students
 Postdocs / Junior researchers
 Senior researchers
- Duration? PhD students: 36 months Junior researchers: 6–24 months Senior researchers: 1–3 months
- Fellowship: 1,500–2,300 €/month + additional allowances







Re-invitation programme for former scholarship holders

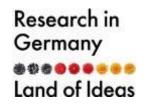
In Brief Research and work projects at a staterun or state-recognised HEI or nonuniversity research institute

DAAD

Who? Postdocs / Junior researchers Senior researchers

- **Duration?** 1–3 months
- **Value?** Fellowship: 2,000–2,150 €/month + travel allowances

www.funding-guide.de





Humboldt Research Fellowship for senior researchers

- In Brief
 Long-term research
 project with an academic
 host in Germany
- Who? Senior researchers
- **Duration?** 6–18 months
- Solution State



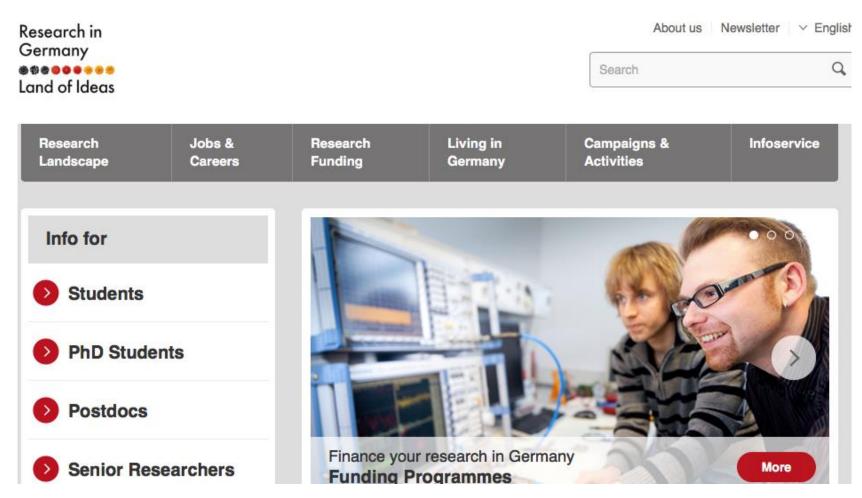

www.humboldt-foundation.de > Sponsorship



Sources of information



www.research-in-germany.org



Research in Germany



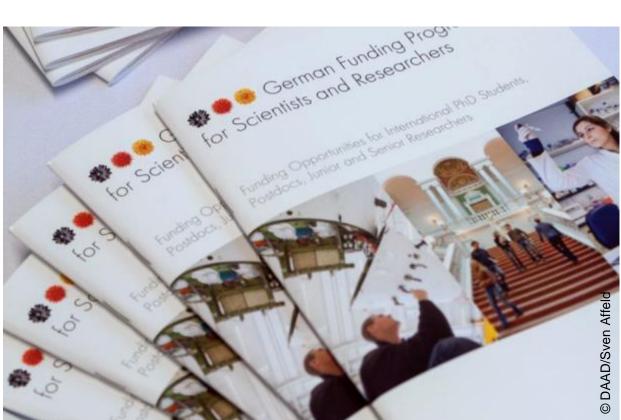
- http://www.research-in-germany.org
- http://www.funding-guide.de
- http://www.euraxess.de
- http://www.research-explorer.de
- http://www.phdgermany.de







Brochures





6....

DAAD Information Centre Yerevan Sarmen Str. 82 0019 Yerevan Phone: ++374 (0)10 58 25 15 Email: info@daad.am Web: www.daad.am



Consultation hours

DAAD Information Centre YEREVAN

Opening hours:

Mon 15:00 - 18:00

Tue, Thur 10:00 - 12:00

Wed 15:00 - 18:00

Telephone hours:

Mon13:30 - 15:00Tue, Thur12:00 - 13:00

Wed 13:00 - 15:00









Silvia Schmid

info@daad.am

AN INITIATIVE OF THE



Federal Ministry of Education and Research