

## "Study and Research Scholarships of Today for the Megacities of Tomorrow"

### What are the programme goals?

Under its "Research for the Sustainable Development of the Megacities of Tomorrow" Initiative, the Federal Ministry of Education and Research (BMBF) will fund international collaborative projects in which German scientists and researchers will work together with partners in **Vietnam, India, China, Iran, Peru, South Africa, Ethiopia** and **Morocco** on drawing up and implementing solution-orientated, innovative strategies for selected cities.

The specialist programme on "Study and Research Scholarships of Today for the Megacities of Tomorrow" is also financed from the budget of the BMBF and offers highly-qualified **students, doctoral candidates, postdocs** and **senior scientists** from the above-mentioned countries the opportunity to study or do research in project-relevant subject areas. The studies and research should be carried out at German universities that are contributing to the collaborative projects. The collaborative projects, the project-relevant subject areas, the contributing German universities, and the respective contact partners can be found in the **Annex**. By integrating the scholarship holders into the work of the collaborative projects, the programme aims to create sustainable networking between the scholarship holders themselves and the German project partners.

### Who can ap- ply?

In principle, applications are open to highly-qualified students, graduates, doctoral candidates, postdocs, and senior scientists from the above-mentioned countries.

### What can be funded?

#### **Scholarship Type A:**

#### **Study sections in Germany (without graduation)**

These scholarships are intended for graduates who would like to produce a Master's thesis or comparable final paper in Germany. The scholarship can be awarded for a period of between 3 and 6 months. It includes a home country-dependent flat-rate travel allowance, a monthly scholarship payment of 750 euros, and health insurance costs.

**Scholarship Type B:****Doctorate in Germany**

These scholarships address applicants who hold a Master's degree or an equivalent qualification, can prove that they have very good English language skills, and would like to do a doctorate at one of the participating universities in Germany. No more than 2 years should have passed between the graduation date and submission of the application. The scholarship can be awarded for up to 36 months. It includes a home country-dependent flat-rate travel allowance and a monthly scholarship instalment of 1,000 euros plus health insurance costs and a two-month German course. Under certain conditions, family-related subsidies may also be paid.

**Scholarship Type C:****Doctorate in the Home Country ("Sandwich" Scholarship)**

Doctoral students who have already started their doctoral or PhD studies in their home country, who can prove that they have very good English language skills, and who will complete their research in their home country can receive a scholarship for a research stay at one of the universities in Germany taking part in the programme. The scholarship can be awarded for between 6 months at least and 24 months at most. It includes a home country-dependent flat-rate travel allowance and a monthly scholarship instalment of 1,000 euros plus health insurance costs and – for scholarships lasting at least 10 months – a two-month German course. Under certain conditions, family-related subsidies may also be paid.

**Scholarship Type D:****Postdoctoral Research in Germany**

These scholarship can be awarded for between 6 months at least and up to 24 months at most. At the time of application, no more than 5 years should have passed since gaining the doctorate (Promotion/PhD). Proof of very good English language skills must be presented. The monthly scholarship instalment amounts to 1,840 euros. For scholarships lasting longer than 10 months, the costs for a two-month German course can also be paid.

**Scholarship Type E:****Research Projects by Senior Scientists**

The scholarships are offered for scientists and researchers who hold leading positions in science and research in their home country. The scholarship can be awarded for between 14 days and up to 3 months. The monthly scholarship amounts to 1,850 euros.

## Selection process

The scholarship holders are chosen by a Selection Committee made up of German scientists and researchers from the respective collaborative projects. The key selection criteria are the quality of the study or research project, and the applicant's academic and personal qualifications.

## Application process

The application papers must be submitted **in duplicate**, inclusive of all documents. Applicants are requested to complete the form "Application for Research Grants and Study Scholarships"

(<http://www.daad.de/deutschland/download/03118.dehtml>).

The coversheet must specify the respective Type of Scholarship. Please include the following documents and papers together with the Application Form:

### **Type A:**

- Curriculum vitae (2 pages max.)
- Letter of recommendation from a scientist or researcher of the applicant's own choice
- Summary of the Bachelor's thesis (2 pages max.)
- Description of the planned graduation thesis (2 pages max.)
- Confirmation of supervision by a scientist or researcher from the German university
- Workplan and schedule (where possible, agreed with the German supervisor)
- Bachelor's degree certificate; Transcript of records
- English language certificate (TOEFL 550/213/80; IELTS: 5.5)
- Where appropriate, a German language certificate (e.g. TestDaF, Zertifikat Deutsch, Deutsches Sprachdiplom)

### **Types B and C:**

- Curriculum vitae (2 pages max.)
- Letters of recommendation from 2 scientists or researchers of the applicant's choice
- Summary of the Master's thesis (2 pages max.)
- Description of the planned doctoral/PhD project (3 pages max.)
- Confirmation of supervision by a scientist or researcher from the German university
- Workplan and schedule (where possible, agreed with the German supervisor)
- Master's degree certificate; Transcript of records
- English language certificate (TOEFL 550/213/80; IELTS: 5.5)
- Where appropriate, a German language certificate (e.g. TestDaF, Zertifikat Deutsch, Deutsches Sprachdiplom)

**Type D:**

- Curriculum vitae (2 pages max.)
- Letters of recommendation from 2 scientists or researchers of the applicant's own choice
- Summary of the PhD thesis (2 pages max.)
- Description of the research project (3 pages max.)
- List of scientific publications and lectures or papers given
- Confirmation of supervision by a scientist or researcher from the German university
- Workplan and schedule (where possible, agreed with the German supervisor)
- PhD degree certificate
- English language certificate (TOEFL 550/213/80; IELTS: 5.5)
- Where appropriate, a German language certificate (e.g. TestDaF, Zertifikat Deutsch, Deutsches Sprachdiplom)

**Type E:**

- Curriculum vitae (2 pages max.)
- List of scientific publications and lectures or papers given
- Description of the research project (3 pages max.)
- Confirmation of supervision by a scientist or researcher from the German university
- Workplan and schedule (where possible, agreed with the German supervisor)

Applicants from **India** are requested to **complete the Online Application** and then to send their papers and documents to the DAAD via its Regional Office in New Delhi.

Applicants from **Vietnam** and **China** are requested to send their papers and documents to the DAAD via its Regional Offices in Hanoi and Beijing, respectively.

Applicants from **South Africa** are requested to send their papers and documents to the DAAD via its Information Centre in Johannesburg.

Applicants from **Ethiopia**, **Peru** and **Morocco** are requested to send their papers and documents to the DAAD via the German Embassies in Addis Ababa, Lima and Rabat.

**Closing Date  
for Applica-  
tions**

Applications will be accepted up until

**15 March 2009**

in New Delhi, Hanoi, Beijing, Johannesburg, Addis Ababa,  
Lima and Rabat.

**Contact and  
Advice**

Deutscher Akademischer Austausch Dienst  
German Academic Exchange Service  
Referat/Unit 421  
Kennedyallee 50  
D-43175 Bonn  
Germany

Irmgard Kasperek (+49 (0)228 882-560; [kasperek@daad.de](mailto:kasperek@daad.de))

## Relevant Research Projects

### Project 1

<b>Information about the Project</b>
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#### **„Megacity Research Project TP. Ho Chi Minh - Integrative Urban and Environmental Planning Framework - Adaptation to Global Climate Change”**

##### **German Partners:**

- Brandenburg University of Technology Cottbus
- Free University Berlin
- Leibniz Institute of Ecological and Regional Development Dresden
- Vienna University of Technology
- University of Technology Darmstadt
- University of Technology Braunschweig
- University of Hamburg
- GRI – Transportation Consultant, Berlin
- AG Goedecke & Welsch, Berlin

##### **Cooperative Partners in Host Country:**

- Ministry of Construction (MoC) Hanoi
- Vietnamese Institute of Architecture and Planning (VIAP)
- Ministry of Natural Resources and Environment (MoNRE) Hanoi
- Institute and Sub-Institute of Meteorology, Hydrology and Environment (IMH, SIHYMETE)
- People’s Committee of HCMC
- HCMC Research and Development Institute
- HCMC Environment Protection Agency (HEPA)
- Municipality of Ho Chi Minh City
- Support to Public Administration Reform in HCMC
- HoREA - Real Estate Association HCMC
- University of Architecture HCMC
- University of Transport HCMC
- Vietnam National University
- University of Social Sciences and Humanities HCMC
- University of Technology HCMC
- Information Technology Park HCMC
- CEFURDS - Center for Urban & Development Studies
- EnerTeam - Energy Conversation Center HCMC
- TERI Vietnam
- enda - Environment Development Action

##### **Further Information:**

[www.megacity-hcmc.org](http://www.megacity-hcmc.org)

<b>Information for Applicants</b>
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**Relevant Fields of Applicant's Study and Research:**

- Methods for urban vulnerability analysis **(A)**
- Impact assessment for urban areas in intra-tropical low elevated coastal zones **(A)**
- Development of adaptation strategies and implementation on the regional and municipal planning levels **(A/ B)**
- Development of adaptation measures at both the neighbourhood and the building level **(B)**
- Analysis and assessment of mitigation potentials by housing technologies (building construction guidelines, renewable energy techniques) **(B)**
- Development of concepts for energy efficient transportation systems **(A/ B)**
- Community-based adaptation measures for urban regeneration **(B)**
- Amendment of legal framework, capacity building and awareness raising **(A/ B)**

**Places for Applicant's Study and Research:**

- Brandenburg University of Technology Cottbus
- Free University Berlin
- Leibniz Institute of Ecological and Regional Development Dresden
- Vienna University of Technology
- University of Technology Darmstadt
- University of Technology Braunschweig
- University of Hamburg

**Contact for Applicants:** **(A)** Prof. Dr. Michael Schmidt  
[umweltplanung@tu-cottbus.de](mailto:umweltplanung@tu-cottbus.de)

**(B)** Prof. Volker Martin  
[martin@tu-cottbus.de](mailto:martin@tu-cottbus.de)

**Project 2**

<b>Information about the Project</b>
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**“Climate and Energy in a Complex Transition Process towards Sustainable Hyderabad”****German Partners:**

- Humboldt University, Berlin
- University of Freiburg
- Potsdam Institute of Climate Impact Research (PIK)
- PTV Karlsruhe
- NEXUS GmbH Berlin
- Institute for Cooperative Sciences Berlin

**Cooperative Partners in Host Country:**

- Energy Resource Institute (TERI)
- Centre of Economics and Social Studies (CESS)
- International Crops Research Institute for Semiarid Tropics (ICRISAT)
- Engineering Staff College of India (ESCI)

- National Institute of Nutrition (NIN)
- Administrative Staff College of India (ASCI)
- Jawaharlal Nehru Technological University (JNTU)
- University of Hyderabad (UoH)
- Regional Centre for Urban and Environmental Studies (RCUES-OU)

**Further Information:** [www.sustainable-hyderabad.de/](http://www.sustainable-hyderabad.de/)

<b>Information for Applicants</b>
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**Relevant Fields for Applicant's Study and Research:**

- Institutions and Governance of Natural Resources and Environmental Pollution
- The Political Feasibility of Governance Reforms in an Emerging Megacity
- Adaptation to Climate Change: How are entitlements and obligations institutionally allocated to social groups, economic sectors and political actors?
- Climate Change Migration: Can a megacity use international support and agreements?
- Coherent Strategies towards Overall Pollution Control: How to achieve political and economic commitment for organized pollution abatement in an emerging city
- Urban Pollution and Rent-seeking: Actors, incentives and dilemmas in a megacity
- A Game-theoretic Approach to Urban Pollution: Understanding collective destruction
- Air Pollution and Greenhouse Gases from traffic: Is a rational policy impossible?
- Water Use Efficiency: institutional causes in corporate or public governance?
- Institutional and Governance Reform in Energy Regulation and Provision in a Megacity
- The role of Management Import for Improving Efficiency and Security in Energy Use
- Institutional Approaches to Reduce Energy Insecurity: Consumer cooperatives – or can companies learn to organize?
- Energy Efficiency Technologies: Rules and organization of supply side management
- A transition Cost Perspective on the Governance of the Power-sector in a Megacity
- The Political Economy of Free Rural Power Supply
- Analysis of Market Potential and Government Policy for Renewable Energy
- Bioenergy and Food Provision: potential rivalry and institutional constraints required
- Food Chains and Climate Change: Revealing the main relationships
- Climate Change, Energy and Public Health
- Waterborne Diseases: Can polluters be held responsible?
- Networks and Social Capital in the Environmental Policy Domain
- Resource-saving Behaviour: Experimental economics and field experiments
- The Role of Kirana-Shops for Local Food Security in Hyderabad
- Citizen's Governance: Participatory governance in waste and sewage management
- Small business networks: Self-managing countervailing power
- Multi-functional neighbourhood centers as integrative institutions

**Places for Applicant's Study and Research:**

- Humboldt University Berlin
- University of Freiburg

**Contact for Applicants:** Prof. Dr. Konrad Hagedorn  
[k.hagedorn@agrار.hu-berlin.de](mailto:k.hagedorn@agrار.hu-berlin.de)



## Project 3

### Information about the Project

#### “Sustainable Development of Megacities: Energy efficient Structures for the Region of Shanghai, China”

##### German Partners:

- University Duisburg-Essen, Campus Essen  
Institute of City Planning and Urban Design  
Institute of Transportation Science
- TRC Transportation Research Consulting, Essen
- AVISO Aachener Verkehrs-Ingenieur Sozietät, Aachen
- HC Hamburg Consult, Gesellschaft für Verkehrsberatung & Verkehrsmanagement, Hamburg
- PTV, Planung Transport Verkehr, Karlsruhe
- Viessmann GmbH & Co. KG, Allendorf
- SBA Planungsbüro Stuttgart

##### Cooperative Partners in Host Country:

- Tongji University Shanghai
- City of Shanghai, City Planning Administration, Shanghai
- Urban Planning Research Institute, Shanghai
- Bayer Technologies, Shanghai
- Intergraph China, Shanghai
- SBA International, Shanghai
- Econet, Shanghai

##### Further Information:

[www.megacity-energy.de](http://www.megacity-energy.de)

### Information for Applicants

##### Relevant Fields of Applicant's Study and Research:

- Urban and Regional Planning
- Urban Design
- Architecture: Structural Design
- Materials Science and Building Technology
- Urban Water and Waste Management
- Energy Technology / Fuel Cells
- Transportation Planning and Research
- Transportation Systems and Controlling
- Mobility and Traffic Education
- Environmental Economics and Controlling
- Building Economics and Construction Operation
- Vocational Training and Qualification

[www.uni-duisburg-essen.de/zlv](http://www.uni-duisburg-essen.de/zlv)

##### Places for Applicant's Study and Research:

- University Duisburg-Essen

##### Contact for Applicants:

J. Alexander Schmidt, Prof. Dr.-Ing. M. Arch  
[Alexander.Schmidt@uni-due.de](mailto:Alexander.Schmidt@uni-due.de)

## Project 4

### Information about the Project

**“RECAST Urumqi: Meeting the Resource Efficiency Challenge in a Climate Sensitive Dryland Megacity Environment, Urumqi as a Model for Central Asia”**

#### German Partners:

- University of Heidelberg (Department of Geography, Institute of Environmental Physics, Alfred Weber-Institute of Economics)
- IUWA – Institute for Eco-Industrial Analyses Heidelberg
- Ifeu – Institute for Energy and Environmental Research, Heidelberg
- Metropolitan Region Rhine-Neckar (MRN) Mannheim
- City of Heidelberg
- UKOM (Umweltkompetenzzentrum Rhein-Neckar/ Centre of Environmental Expertise Heidelberg Rhine-Neckar)
- ebök-Energieberatung, Haustechnik und ökologische Konzepte Heidelberg
- GGH, Gesellschaft für Haus- und Grundbesitz Heidelberg
- Culturebridge Architects Mannheim/Beijing
- Consulting and Engineering Services, Heidelberg

#### Cooperative Partners in Host Country:

- Environmental Protection Bureau (EPB) of Xinjiang Province
- EPB of Urumqi, Midong and Changji Region
- Chinese Academy of Science (CAS) Xinjiang, Institute for Ecology and Geography
- Water Bureau of Urumqi
- Xinjiang Mining Bureau, Regional Geological Survey Urumqi
- Xinjiang Academy of Environmental Protection Sciences
- University of Xinjiang
- Xinjiang Resource Recovery Association
- Planning and Construction Committee of the City of Urumqi
- Xinjiang Construction Science Research Institute, Urumqi
- Academy of Urban Planning and Design of Urumqi
- Energy Division of the Xinjiang Development and Reform Commission, Urumqi

**Further Information:** [http://www.geog.uni-heidelberg.de/forschung/physio\\_urumqi.html](http://www.geog.uni-heidelberg.de/forschung/physio_urumqi.html)

### Information for Applicants

#### Relevant Fields of Applicant's Study and Research:

- Energy efficiency, Energy supply and delivery
- Urban housing and Architecture
- Water Management
- Remote sensing
- Material flow management
- Urban and regional planning
- Environmental law
- Actor-oriented modelling
- Engineering (energy, water, recycling, infrastructural development)

**Places for Applicant's Study and Research:**

- University of Heidelberg
  - \* Department of Geography,
  - \* Institute of Environmental Physics
- IUWA – Institute for Eco-Industrial Analyses Heidelberg
- Ifeu – Institute for Energy and Environmental Research, Heidelberg

**Contact for Applicants:**

Dr. Thomas Sterr

[Thomas.sterr@geog.uni-heidelberg.de](mailto:Thomas.sterr@geog.uni-heidelberg.de) (Di, Fr)  
[sterr@iuwa.de](mailto:sterr@iuwa.de) (Mo, Mi, Do)

**Project 5****Information about the Project****“Young Cities – Developing Energy-Efficient Urban Fabric an the Tehran-Karaj Region”****German Partners:**

- University of Technology Berlin
- Free University Berlin
- Berlin University of Arts
- P2m GmbH Berlin
- Inter3GmbH, Berlin

**Cooperative Partners in Host Country:**

- Building and Housing Research Centre Tehran
- Ministry of Housing and Urban Development, Teheran
- New Towns Development Cooperation, Teheran

**Further Information:**

[www.youngcities.org](http://www.youngcities.org)

**Information for Applicants****Relevant Fields of Applicant's Study and Research:**

- Urban and Regional Planning
- Urban Design
- Architecture
- Architecture: Building Services and Design
- Architecture: Structural Design
- Energy Supply and Administrative Law
- Transport Planning
- Landscape Planning
- Environmental Assessment
- Landscape Ecology, esp. Eco-toxicology
- Building Economics and Construction Operation
- Vocational Training and Qualification
- Climatology / Meteorology

**Places for Applicant's Study and Research:**

- University of Technology Berlin
- Free University Berlin

- Berlin University of Arts

**Contact for Applicants:** Prof. Dr. Rudolf Schäfer  
[Rudolf.Schaefer.@tu-berlin.de](mailto:Rudolf.Schaefer.@tu-berlin.de)

## Project 6

### Information about the Project

**“Sustainable Water and Wastewater Management in Urban Growth Centres. Coping with Climate Change – Concepts for Lima Metropolitana (LiWa), Peru”**

#### German Partners:

- Institut für Automation und Kommunikation (ifak) e.V. at Otto-von Guericke University of Magdeburg
- Leuphana University Lüneburg
- University of Stuttgart
- Helmholtz Centre for Environmental Research – UFZ, Leipzig
- Dr. Scholz & Partner Consulting Engineers

#### Cooperative Partners in Host Country:

- SEDAPAL - Servicio de Agua Potable y Alcantarillado de Lima
- Foro Ciudades Para la Vida
- Fomento de la Vida
- Universidad Nacional de Ingeniería, Lima

**Further Information:** [www.lima-water.de](http://www.lima-water.de)

### Information for Applicants

#### Relevant Fields of Applicant’s Study and Research:

- System analysis of urban water systems
- Modelling and control of complex water and wastewater systems
- Strategies, lab and pilot scale testing of sustainable wastewater treatment
- Water conservation, recycling, water and soil pollution, remediation
- Design and operation of waste water treatment, including anaerobic technologies
- Modelling in catchment hydrology under different temporal and spatial scales
- Downscaling of climate change scenarios
- Economic evaluation of water policies and of water-related services
- Institutions and decision-making in the water sector
- Participative approaches in water management
- Water governance

#### Places for Applicant’s Study and Research:

- University of Magdeburg
- Leuphana University of Lüneburg
- University of Stuttgart
- Martin Luther University Halle-Wittenberg
- University of Leipzig
- Europe University Viadrina Frankfurt/Oder

**Contact for Applicants:** Dr. Manfred Schütze  
[Manfred.schuetze@ifak.eu](mailto:Manfred.schuetze@ifak.eu)

## Project 7

### Information about the Project

**“Energy as Key Element of an Integrated Climate Protection Concept for the City Region of Gauteng (EnerKey)”**

#### German Partners:

- University of Stuttgart, Institute of Energy and the Rational Use of Energy
- TUV Rheinland Group, Cologne
- Institute for Future Studies and Technological Assessment GmbH, Berlin
- Fraunhofer Institute for Building Physics, Stuttgart
- Institute for Sustainable Energy Management – INEP, Oldenburg
- The City of Stuttgart
- Africa Association of German Business, Hamburg
- German Chamber of Business Southern Africa, Johannesburg

#### Cooperative Partners in Host Country:

- University of Johannesburg
- University of Pretoria
- University of Cape Town, Energy Research Centre – ERC
- Gauteng Dept. of Local Government
- The City of Johannesburg
- Ekurhuleni Metropolitan Municipality
- The City of Tshwane
- Council of Scientific and Industrial Research – CSIR
- Sustainable Energy Africa (SEA), SESSA, Peer Africa

**Further Information:** [www.enerkey.info](http://www.enerkey.info)  
[www.ergey.de](http://www.ergey.de)  
[www.enerkey.co.za](http://www.enerkey.co.za)

### Information for Applicants

#### Relevant Fields of Applicant’s Study and Research:

- Mechanical Engineering
- Energy technology
- Energy economics and socio-economics
- Energy and climate politics
- Renewable energies
- System analysis and system modelling
- Environmental analysis, life cycle analysis
- Regional and spatial planning
- Modelling and decision support tools

#### Places for Applicant’s Study and Research:

- University of Stuttgart
- University of Oldenburg

**Contact for Applicants:** Ludger Eltrop  
[Ludger.eltrop@ier.uni-stuttgart.de](mailto:Ludger.eltrop@ier.uni-stuttgart.de)

## Project 8

### Information about the Project

**“Income generation & Climate Protection by Valorising Municipal Solid Wastes in a Sustainable Way in Emerging Megacities, Addis Abeba, Ethiopia”**

#### German Partners:

- AT – Verband zur Förderung angepasster, sozial- und umweltverträglicher Technologie e.V., Stuttgart
- University of Stuttgart
- Institute of Future Energy Systems
- Federal Institute for Occupational Safety and Health

#### Cooperative Partners in the Host Country:

- ENDA – Environmental Development Action in the Third World, Addis Abeba
- Addis Abeba University
- Addis Abeba Environmental Protection Agency

**Further Information:** [www.ignis.p-42.net](http://www.ignis.p-42.net)

### Information for Applicants

#### Relevant Fields of Applicant’s Study and Research:

- Waste treatment technologies
- Waste quantification, characterization and prognosis
- Planning of waste management systems
- Waste management in developing countries
- Resource recovery from waste (recycling, composting, anaerobic digestion, waste-to-energy systems)
- Ecological sanitation
- Biofuels and renewable energies
- Cleaner Development Mechanism (CDM) in waste management projects
- Occupational safety and health at waste management facilities
- Socio-economic evaluation of waste management systems
- Social entrepreneurship in waste management
- Soil protection and erosion prevention

#### Places for Applicant’s Study and Research:

- University of Stuttgart
- Institute for Energy Systems (Associated research institute of the University of Applied Sciences in Saarbruecken)

**Contact for Applicants:** Dieter Steinbach  
[ignis@at-verband.de](mailto:ignis@at-verband.de)

## Project 9

### Information about the Project

#### “Urban Agriculture (UA) as an Integrative Factor of Climate-Optimised Urban Development, Casablanca, Morocco”

##### German Partners:

- Berlin University of Technology
- University of Hohenheim
- University of Wuppertal
- Association for Rainwater Harvesting and Water Utilisation Darmstadt

##### Cooperative Partners in the Host Country (Selection)

- National Institute of Urban Planning (INAU), Rabat
- Hassan II University Ain Chock, Casablanca
- Hassan II University Mohammedia, Casablanca
- National Weather Service (DMN)
- Association Terre et Humanisme and other civil society organisations
- Moroccan National Airport Office, Casablanca (ONDA)
- Regional Authority of Agriculture (DPA), Casablanca
- City planning Authority, Casablanca (AUC)
- Regional Authority of Land-use Planning, Water and Environment, Casablanca (IRATE)

##### Further Information:

[www.uac-m.org](http://www.uac-m.org)

### Information for Applicants

##### Relevant Fields of Applicant's Study and Research:

- Open space planning and Landscape Architecture
- Megacity specific land use pattern
- Urban open space systems based on productive Landscape
- Climate change, energy efficiency and urban agriculture
- Regional climate scenarios
- Minimisation of ecological footprint of the city region by urban agriculture
- DSS based on a regional data level knowledge base
- Sustainable water management in urban areas
- Waste water treatment for agricultural reuse
- Membrane-Bioreactor (MBR) technology for wastewater treatment
- Industrial wastewater treatment for internal reuse purposes
- Socio-spatial aspects and forms of shaping urban-rural social networks and support systems
- Participative strategies, forms of governance and capacity building for rural-urban linkages
- Stakeholder in urban agriculture in Casablanca
- New framework and approaches for megacity-research (action research and transdisciplinarity)
- Impacts of urban-periurban agriculture on the labour market: creation of new jobs?
- informal economy related to the food production chain
- Multifunctional agricultural spaces (food, bio products, tourism ...)
- Urban food systems, food security and the contribution of regional agriculture

**Places for Applicant's Study and Research:**

- Berlin University of Technology
- University of Hohenheim
- University of Wuppertal

**Contact for Applicants:**

Prof. Dr. Undine Giseke  
[Undine.Giseke@tu-berlin.de](mailto:Undine.Giseke@tu-berlin.de)



## Scholarship Types

### A Scholarships for Graduates

- Scholarship Goal: Studying in Germany
- Duration: 3 to 6 months
- Academic Degree: none
- German language course: none

### B Scholarships for Ph.D.s (1)

- Scholarship Goal: Research in Germany
- Duration: 36 months
- Academic Degree: Doctorate in Germany
- German language course: 2 months

### C Ph.D. Scholarships II („Sandwich“)

- Scholarship Goal: Research in Germany
- Duration: 6 to 24 months
- Academic Degree: Ph.D. in the applicant's home country
- German language course: 2 months (in case of scholarship duration of more than 12 months)

### D Scholarships for Postdocs

- Scholarship Goal: Research in Germany
- Duration: 6 to 24 months
- Academic Degree: none
- German language course: 2 months (in case of scholarship duration of more than 12 months)

### E Scholarships for Senior Scientists

- Scholarship Goal: Research in Germany
- Duration: 14 days up to 3 months
- Academic Degree: none
- German language course: none