

# Overview

The coordinated management of water resources is fundamental for sustainable development. The integration of different disciplines and linkage of ecological, economic and societal development goals are essential when developing future water management plans.

The aim of the Summer School is the transfer of interdisciplinary knowledge for water resources management and the professional, technical and methodological exchange between participants and research institutions in Germany. Modern management tools and techniques will be presented that are developed in running research projects in regions outside the European Union.

The Helmholtz Centre for Environmental Research - UFZ together with German Water Partnership (GWP) hosts the DAAD Serial Summer School "Integrated Water Resources Management" for Master students, PhD students and young water professionals.

# Application

Please send the following documents via e-mail before **May 31, 2014** to Anja Alandt (UFZ) (anja.alandt@ufz.de):

- CV and application form (can be downloaded at <http://www.ufz.de/index.php?en=32664>)
- Letter of motivation (highlighting field of interest in the water sector)
- Summary of research / PhD topic (1 page)
- Transcript of records / diploma with grading key

The organizers will inform about acceptance of the application until **June 23**. After acceptance, participation in the Summer School is obligatory. In case of cancellation after July 14, the costs of accommodation have to be paid by the participants.

# Information

## Organization

The DAAD Serial Summer School "IWRM" is jointly organized by UFZ and GWP. As an international competence centre for environmental sciences, the Helmholtz Centre for Environmental Research (UFZ) investigates the complex interactions between mankind and nature under the influence of global change. German Water Partnership (GWP) is a joint initiative that bundles the private and public sector and scientific institutions of the German water sector.

## Contact & More Information

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## Costs & Grants

The German Academic Exchange Service (DAAD) priority funding line "Sustainable Water Management (NaWaM)" funded by the Federal Ministry of Education and Research (BMBF) supports 20 students from Iran, Vietnam, Indonesia, Mongolia, Kazakhstan and Jordan to participate in this Summer School.

- Course fee: fully funded
  - GIS course: fully funded, bring your own laptop
  - Accommodation (hostel) is fully funded
  - Travel: lump sums will be funded (Indonesia 750 €, Iran 600 €, Jordan 500 €, Mongolia 850 €, Vietnam 675 €, Kazakhstan 550 €).
- Participants have to arrange arrival and departure by themselves.

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Federal Ministry  
of Education  
and Research

DAAD Serial Summer School

# Integrated Water Resources Management

September 08 - 19, 2014  
Dessau & Berlin, Germany



German Water  
Partnership



HELMHOLTZ  
CENTRE FOR  
ENVIRONMENTAL  
RESEARCH - UFZ

DAAD

Deutscher Akademischer Austausch Dienst  
German Academic Exchange Service

# Programme

The programme of the IWRM Summer School covers topics from water science, research and administration and provides an insight into the German water sector. Next to **key-note lectures** on water resources management given by experts from research institutions, all participants are invited to present their own research and work by giving an oral presentation. Participants will meet GWP members that represent the **private German water sector** to explore the potential for collaboration. During **excursions**, water and wastewater treatment systems will be visited, as well as the German Federal Environment Agency (UBA).

Furthermore, "IWRM education", an **interactive e-learning module on IWRM** will be used to introduce basic knowledge of different disciplines and integration concepts. By interlinking its individual module components this newly developed tool follows the concept's integral approach and supports the traditional learning and teaching methods.

The IWRM Summer School includes a three-day **GIS training course for beginners**. With Quantum GIS the participants learn to process, analyze and manage spatial data. This open source software is licensefree and provides a very helpful tool for the implementation of water resource management.

The programme topics will be framed by accompanying social events: several excursions and **sightseeing in Berlin and Dessau** and get-togethers in a pub or restaurant.

The Summer School will be held in English.

## Summer School "Integrated Water Resources Management" September 08 - 19, 2014

### Preliminary programme:

Monday Sept 08	Tuesday Sept 09	Wednesday Sept 10	Thursday Sept 11	Friday Sept 12	Saturday Sept 13	Sunday Sept 14
<b>Youth Hostel Dessau-Rosslau</b>				<b>Hostel in Berlin</b>		
<b>Welcome</b> Introduction to IWRM, Trip to German Federal Environment Agency (UBA)	<b>Training</b> Quantum GIS	<b>Training</b> Quantum GIS	<b>Training</b> Quantum GIS	<b>Excursion</b> Visit of the UFZ in Magdeburg, Visit of the River Basin Council Elbe (FGG Elbe)	<b>Cultural programme</b> and sightseeing in Berlin	
Monday Sept 15	Tuesday Sept 16	Wednesday Sept 17	Thursday Sept 18	Friday Sept 19	Saturday Sept 20	Sunday Sept 21
<b>Hostel in Berlin</b>						
<b>Presentations</b> Participants present their research related to water managment., <b>excursion</b> to storm water storage project	<b>Presentations</b> IWRM research projects, E-learning module "IWRM-education"	<b>Excursion</b> Water works Berlin Tegel & Waste water treatment plant Berlin	<b>Excursion to Leipzig</b> Visit of Demonstration Centre for Decentralized Sewage Treatment – BDZ	<b>Presentations</b> Group work on water managment., Best practice projects implemented by GWP members, Closing event	<b>Departure</b>	