

## Application

Application is simple: just send the following documents via e-mail before **June 20<sup>th</sup> 2012** to [zwu@uni-due.de](mailto:zwu@uni-due.de):

- CV
- Letter of Motivation
- Summary of research/PhD topic (1 page)
- Transcript of records/diploma with grading key

## Costs & Fees

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 and Jordan to participate in this summer school.

**Course fee:** fully funded

**Accommodation:** (hotel with breakfast) is fully funded (Sep 30<sup>th</sup>-Oct 14<sup>th</sup>, 2012)

**Travel:** lump sums are funded (Indonesia 825 €, Iran 550 €, Jordan 700 €, Mongolia 625 €, Vietnam 1.150 €)



**DAAD** Deutscher Akademischer Austausch Dienst  
German Academic Exchange Service

## Organisation

The Centre for Water and Environmental Research (ZWU) is a joint research centre which coordinates the experiences and resources within the field of water and environmental research with a broad expertise in hydrobiology, drinking water treatment and supply, waste water management, hydraulic engineering as well as ecotoxicology, environmental chemistry and water governance.

The aim is to promote up-to-date environmental research, to couple it with forthcoming societal changes (population growth, urbanization, climate change, etc.) and to integrate it with the impact on human being.

## Contact

Do you have any questions or inquiries?  
Please contact us.

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[www.uni-due.de/zwu](http://www.uni-due.de/zwu)

**ZWU**  
ZENTRUM FÜR  
WASSER- UND UMWELTFORSCHUNG



UNIVERSITÄT  
DUISBURG  
ESSEN

*Open-Minded*

DAAD Serial Summer School

***Water in Urban Life 2020 - Transition  
towards sustainable Water Resource  
Management in Urban Systems?***

within the BMBF Program

“Sustainable Water Management” (NaWaM)

## About the Programme

Urban water management critically determines the conditions of life in urban areas. Access to safe drinking water and effective collection and treatment of waste water are the key issues in water management. On the other hand, water bodies in urbanized areas are exposed to multiple stressors.

The University of Duisburg-Essen hosts the DAAD Serial Summer School "Water in Urban Life 2020 – transition towards sustainable water resource management in urban systems?" for Master and PhD students with three consecutive summer schools from 2012 to 2014.

The aim of this summer school series is not only the transfer of interdisciplinary water knowledge and sustainability approaches but also to create integrated urban water management concepts.

The underlying hypothesis is that safe, reliable and long-term prevention of water borne contaminations in drinking water are a prerequisite to effectively disrupt the faecal-oral circle or vector-orientated diseases. This applies not only for direct human consumption but also for process water, e.g., in food and beverage industries. Water used for irrigation also has to be processed to meet hygienic standards.



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Graduated students with exceptional marks from all concerning branches like engineers, chemists, agrarian and environmental scientist etc. are addressed. The summer schools will be held in English.

### Summer School 1 - Enhanced Technologies for Water and Wastewater Treatment in Urban Systems

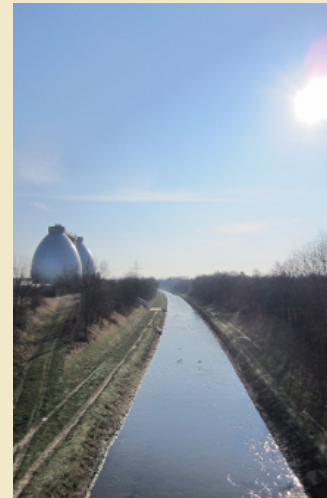
October 1-14, 2012

Essen, Germany

The first summer school addresses the impact of different waste water management and drinking water utilization strategies on human health within urban water cycles.

#### Curriculum

The summer school consists of a mixture of **keynote talks** and introductory talks by experts from universities as well as industrial partners. **Excursions** will illustrate the presented technologies and approaches. Besides the scientific background **soft skills** lectures about e.g. discussion and presentations methods, management strategies and tools, etc. will be given.



All participants will introduce themselves, their research focus and aspects of **Water & Culture** in their countries in short talks to create an intercultural atmosphere. During the summer school the participants will be split into small **groups to work at different tasks**, fitting the individual background and interests. At the end all groups will present their results and discuss the applicability in different countries.



#### Accompanying Cultural Programme

In the evenings and at the weekends guided tours to cultural and historical important places in the River Ruhr Valley and surroundings will be provided.

#### Location

The University of Duisburg-Essen is a young and modern university with approximately 37,000 students. It is situated in the Ruhr Area. This was Germany's main industrial zone during the 19th and 20th century. Since most coal mines and heavy industry plants are closed down, the Ruhr Area changed into Germany's large service sector. In 2010 Essen and the Ruhr Area were a European Capital of Culture.



