

## Admission requirements

Students can enrol from a variety of backgrounds. Formal requirements include:

- a university bachelor degree in Biology, Ecology, Environmental Sciences, Chemistry, Physics, Geology, Geography, Civil Engineering, Hydrology
- a bachelor degree from HBO or 'Fachhochschule' (polytechnic) in related fields
- an English language proficiency certificate (TOEFL 550 [paper based]/215 [computer based]/81 [internet based] or IELTS 6.5).

If you have any question regarding the enrolment procedure or the documents required, please visit our websites ([www.uni-due.de/twm/](http://www.uni-due.de/twm/) or [www.ru.nl/masters/programme/science/biology/tracks/water-environment/transnational/](http://www.ru.nl/masters/programme/science/biology/tracks/water-environment/transnational/)) or contact the TWM coordinators at the Radboud University or University of Duisburg-Essen (see contacts).

## Enrolment


Both Universities welcome applications all year round (see [www.uni-due.de/twm/application.shtml](http://www.uni-due.de/twm/application.shtml)).

You can start either for the winter term at Radboud University or for the summer term at University of Duisburg-Essen.

Applicants coming from non-EU countries should note the earlier deadline for application for the winter term. Applicants need to complete and submit the official application form together with all required documents.


## Deadlines for application

- Students from EU countries: **1 May** (winter term), **15 January** (summer term)
- Students from non-EU countries: **1 March** (recommended for the winter term), **15 January** (summer term)



UNIVERSITÄT  
DUISBURG  
ESSEN

*Open-Minded*



**TWM**  
Transnational ecosystem-based Water Management  
Duisburg-Essen Nijmegen

### Funding

An overview of scholarships eligible for Master Programs at the Radboud University is available at: [www.ru.nl/masters/finances/scholarships-grants](http://www.ru.nl/masters/finances/scholarships-grants).


Please contact also the International Office of the University of Duisburg-Essen for detailed information on available and applicable scholarships ([www.uni-due.de/international/en\\_finance.shtml](http://www.uni-due.de/international/en_finance.shtml)).

### Contacts

**Drs. Conny G. F. Mooren**  
Educational Institute Biosciences  
Radboud University Nijmegen  
Huygensbuilding (room 00.539)  
Heijendaalseweg 135  
NL-6525 AJ Nijmegen (The Netherlands)  
phone +31-24365-2281  
mail C.Mooren@science.ru.nl


**Heike Todenhöfer**  
University of Duisburg-Essen  
Centre of Water and Environmental Research  
Universitätsstr. 2  
D-45141 Essen (Germany)  
phone +49-201-183-3523  
mail heike.todenhoefer@uni-due.de

[www.uni-due.de/twm/](http://www.uni-due.de/twm/)  
[www.ru.nl/masters/programme/science/biology/tracks/water-environment/transnational/](http://www.ru.nl/masters/programme/science/biology/tracks/water-environment/transnational/)



UNIVERSITÄT  
DUISBURG  
ESSEN

*Open-Minded*



**TWM**  
Transnational ecosystem-based Water Management  
Duisburg-Essen Nijmegen

## *Transnational ecosystem-based Water Management – TWM*

International Master of Science Study Course

# Are you the future water manager?

## Managing sustainable freshwater ecosystems for a better life

Today's world is facing an increasing demand of the resource water and related freshwater services. Against the background of climate change and its impact on the global economy, the sustainable handling and management of water is of paramount importance, for example for flood protection. This applies to developed as well as to developing countries and addresses both drinking water supply and waste water treatment. European water legislation has already undergone a dramatic change and – with the Water Framework Directive – already acknowledges the role of ecological principles in water resources management. The implementation of ecologically sustainable and integrated water management practices, however, also demand for a new type of water manager, educated with a fundamental understanding of ecosystem functions and capable of integrating socio-economic, ecological and engineering sciences into future water management.

## The international Master programme Transnational ecosystem-based Water Management (TWM)

The two-year Master programme “Transnational ecosystembased Water Management” (TWM) accounts for all these issues with a transboundary and interdisciplinary approach, particularly aiming at the ecological aspects of water management. It values rivers as natural systems which are key to human well-being worldwide. TWM is a joint initiative of the University of Duisburg-Essen (Germany) and the Radboud University in Nijmegen (The Netherlands). The first year is taught jointly in Nijmegen and Essen, while the second year is dedicated to practice, i. e. to implement the knowledge within an external three-month internship and finally in context of the master thesis.



Due to its international curriculum, the study programme allows the students for an insight in the interdisciplinary educational structure and the two cultures in Germany and the Netherlands. Students will graduate at both universities and obtain a double diploma (two MSc degrees).

### Course contents

Transnational ecosystem-based Water Management covers the scientific fields of:

- Water ecology
- Water chemistry
- Water engineering
- Water basin management
- Flood management
- Social environmental sciences
- Environmental valuation

TWM is in line with the Bologna criteria and designed with a modular curriculum. Altogether 120 ECTS credits (European Credit Transfer System) are evenly allocated to the four terms of the study programme. Thus, TWM is fully compatible on the international level.

### Employment prospects

TWM is developed in cooperation with scientists, managers and policy makers in the field of water (resources) management, both in public and private organizations in Germany and the Netherlands. Current and future issues in water management and ecology inspire the academic research. Along with state-of-the-art theoretical concepts, this master degree programme will also have a strong career perspective.

As a graduate of this course, you will be well-trained to meet high standards and have good job opportunities at water authorities, water boards, consultancies, national and international NGOs. TWM may also provide a basis for an academic career.

### Study location

The University of Duisburg-Essen is a young and modern university with approximately 40,000 students. You will benefit from the convenient and friendly atmosphere, the small working groups and the options for in-depth specialization provided by the scientists involved in the course. A convenient public transport system makes it possible to arrive at the university at ease.