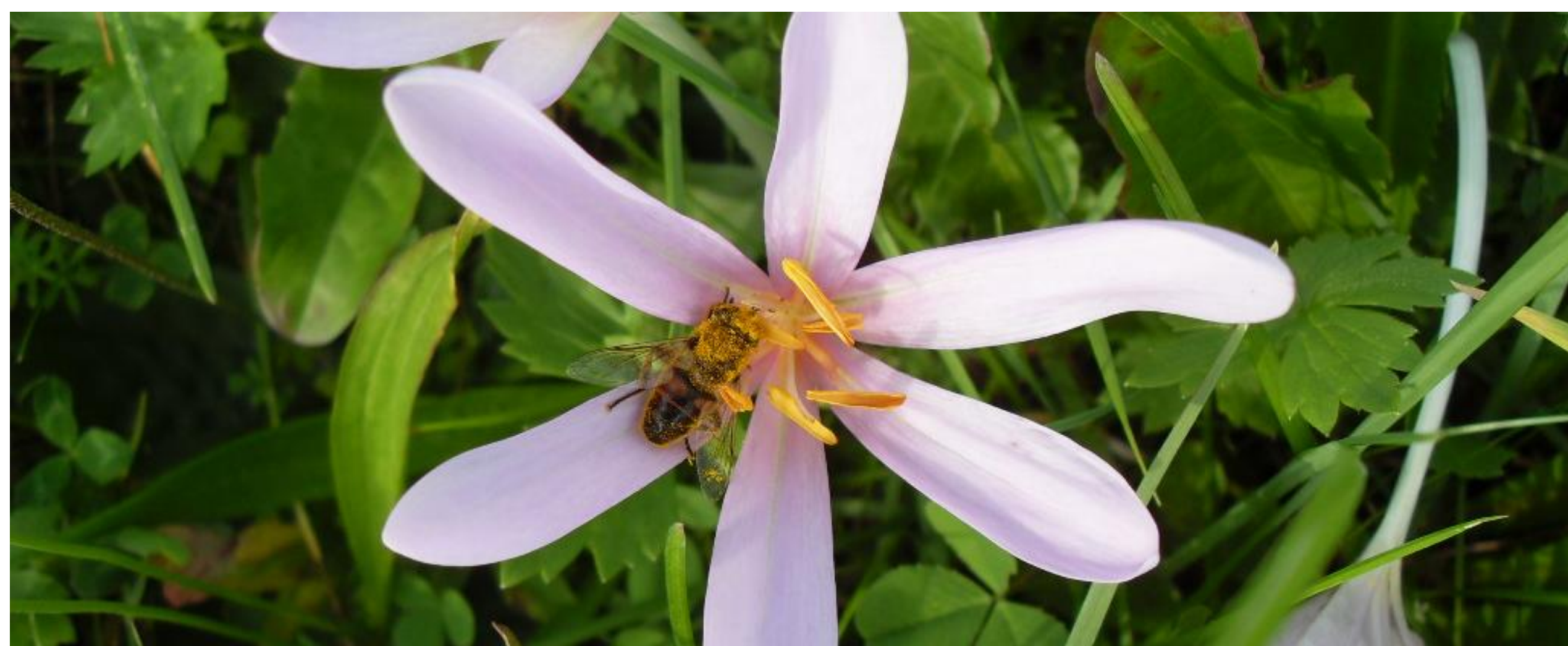


**Information events**  
are offered in the run-up to the  
application phase  
(see QR-Code below)

# Ecology and Environmental Change

## Master of Science



The Master programme brings together different fields of ecology (animal and plant ecology, chemical ecology, conservation ecology and theoretical evolutionary ecology) to explore how individuals, populations, communities and ecosystems respond and adapt to environmental change.

Over the course of the Master programme, students learn to design and conduct laboratory and field experiments, acquire chemical-analytical methods, learn how to build eco-evolutionary models, and strengthen their statistical analysis and scientific communication skills.

All classes are taught in English and international applicants are very welcome!

### Special characteristics

- knowledge and practical experience in the knowledge areas of basic and application-oriented ecology
- International master
- the combination of plant ecology, behavioral ecology, chemical ecology and theoretical biology is unique in Germany
- Bielefeld Campus offers many opportunities for interdisciplinary exchange.
- German skills are not required, but free German classes are offered for students at Bielefeld University.



Learn and work in the lab...



...and in the field.

### Structure

1. Semester	20-EEC-WM Welcome Module	20-EEC-1 Ecosystem Wadden Sea	20-EEC-2 Environmental change and chemical communication	20-EEC-3 Models in conservation biology
	4 LP	8 LP	10 LP	8 LP
	20-EEC-4 Animal Ecology in a changing world	20-EEC-5 Effects of environmental change on plant chemistry	20-EEC-6 Plant ecology in a changing environment	20-EEC-7 Nature conservation
	10 LP	10 LP	10 LP	10 LP
4. Semester	20-EEC-8 Research Module A	20-EEC-9 Research Module B	20-EEC-SM Supplementary Module	
	10 LP	10 LP	10 LP	
	20-EEC-MT Master Thesis			
	30 LP			

In the first year, students take courses in a structured program, some of which include excursions. The second year consists of individual research modules and the Master thesis. Teaching combines **theoretical and practical** work which are closely linked. Working in **small groups** prepares students for scientific work in research groups.

### Perspectives

The combination of basic and applied concepts of ecology as well as the numerous methods and tools convey qualifications for both scientific and more applied areas of the job market.

Graduates interested in research may pursue a scientific career by working on a PhD, in order to qualify for research positions in **universities, research institutes** or **industry**.

Graduates focused on applied aspects are qualified for a broad spectrum of job opportunities such as in **communal, national** and **European government agencies**, in **economy** and in nature conservation. They are furthermore qualified for working in the areas of outreach, including scientific publishing, scientific journalism and museum education.

### Kontakt

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