



UNIVERSITY  
OF AMSTERDAM



# Six Research Positions

at the Institute  
for Biodiversity  
and Ecosystem  
Dynamics

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December 2022

# Six research positions at the Institute for Biodiversity and Ecosystem Dynamics

The [Institute for Biodiversity and Ecosystem Dynamics \(IBED\)](#) at the University of Amsterdam performs high quality research in the fields of Ecology, Evolutionary biology, Earth and Environmental sciences. IBED's mission is to increase our understanding of the diversity and dynamics of ecosystems from the level of molecules and genes to entire ecosystems. We aim to unravel how ecosystems function in their full complexity, and how they change due to natural processes and human interferences. IBED focusses on two main research themes: "Ecosystems under threat: changes in climate, land-use and exploitation" and "Life in flux: changing, emerging and evolving biological communities." The research is carried out as a collaboration between the four departments:

1. [Ecosystem and Landscape Dynamics](#)
2. [Evolutionary and Population Biology](#)
3. [Freshwater and Marine Ecology](#)
4. [Theoretical and Computational Ecology](#)

IBED is opening up several new positions to collaboratively further strengthen the research within the institute. All positions are listed [here](#).

The department of [Ecosystem and Landscape Dynamics](#) is hiring:

- [Assistant Professor in Geomorphology and Tropical Landscape Evolution \(0.8 – 1.0 FTE\)](#) focusing on an inter- and transdisciplinary way to quantify geomorphological processes linked to (tropical) landscape evolution.
- [Assistant Professor in Carbon cycle dynamics in terrestrial ecosystems \(0.8 – 1.0 FTE\)](#) focusing on terrestrial carbon dynamics across spatiotemporal scales integrating both abiotic and biotic components of the Earth-system.

The department of [Freshwater and Marine Ecology](#) is hiring:

- [Associate Professor in Biological Feedbacks in the Marine Carbon Cycle \(0.8 – 1.0 FTE\)](#) focusing on developing mathematical or computational models at the interface of marine biology, biogeochemistry and the global carbon cycle, and with a keen interest to investigate biological feedbacks in the global carbon cycle.
- [Assistant Professor in Aquatic Ecotoxicology and Water Quality \(0.8 – 1.0 FTE\)](#) focusing on the ecological impact of pollutants on aquatic organisms and/or the environmental fate and distribution of pollutants in aquatic environments.

The department of [Theoretical and Computational Ecology](#) is hiring:

- [Associate Professor in Impacts of Climate-related Environmental Change on Ecological Systems \(0.8 – 1.0 FTE\)](#) focusing on developing mathematical or computational models at the interface of ecological dynamics and climate related environmental change.
- [Assistant or Associate Professor in Land Cover & Land Use Dynamics \(0.8 – 1.0 FTE\)](#) focusing on developing and applying models and spatio-temporal data analytics for understanding and predicting the impact of land cover and land use change on biodiversity, ecosystem services or animal habitats.

## About us

The [University of Amsterdam](#) is the Netherlands' largest university, offering the widest range of academic programmes. At the UvA, 30,000 students, 6,000 staff members and 3,000 PhD candidates study and work in a diverse range of fields, connected by a culture of curiosity. The UvA has close links with the city of Amsterdam. The four UvA campuses form an integral part of the city. The UvA also forms partnerships with companies, social institutions, museums, citizens and the municipality. These collaborations help find solutions to urban challenges. And make education and research more meaningful for scientists and students.

The [Faculty of Science](#) has a student body of around 8,000, as well as 1,800 members of staff working in education, research or support services. Together, we create a vibrant, challenging and well-equipped research environment at Amsterdam Science Park. Researchers and students at the Faculty of Science are fascinated by every aspect of how the world works, be it elementary particles, the birth of the universe or the systems underlying biological processes.

The [Institute for Biodiversity and Ecosystem Dynamics](#) is one of eight research institutes of the Faculty of Science at the University of Amsterdam. The research at IBED aims to unravel how ecosystems function in all their complexity, and how they change due to natural processes and human activities. At its core lies an integrated systems approach to study biodiversity, ecosystems and the environment. IBED adopts this systems approach to ecosystems, addressing abiotic and biotic factors, and the interplay between those. The IBED vision includes research encompassing experimental and theoretical approaches at a wide variety of temporal and spatial scales, i.e. from molecules and microorganisms to patterns and processes occurring at the global scale. IBED also works with non-academic partners to deliver transdisciplinary science for society.

## Working at the Faculty of Science

The University of Amsterdam offers a broad range of facilities allowing staff members to engage in personal development and effectively combine their work and personal life. The UvA also offers attractive financial incentives and a good pension scheme. Are you curious to read more about our extensive package of secondary employment benefits, take a look [here](#).

The university offers extensive support for international staff to find their way in the Netherlands. An overview of these practical services can be found [here](#).

### Interested?

The UvA is an equal-opportunity employer. We prioritize diversity and are committed to creating an inclusive environment for everyone. Interested in one of the positions? Please click on the vacancy of your interest and submit your information via the 'Apply' button.

The application deadline is 8 January 2023. We look forward to receiving your application!

Do you have any questions about the positions? About the institute, or about living in Amsterdam? Get in touch with the respective department heads:

- **Ecosystem and Landscape Dynamics**  
[Prof. William Gosling](#)  
W.D.Gosling@uva.nl, +31 (0)20 525 7821
- **Freshwater and Marine Ecology**  
[Prof. Jef Huisman](#)  
J.Huisman@uva.nl, +31 (0)20 525 7085
- **Theoretical and Computational Ecology**  
[Prof. Judy Shamoun-Baranes](#)  
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