Dr. Lynn Govaert

Personal Details

Institution	Leibniz Institute of Freshwater Ecology and Inland fisheries (IGB)
Email	lynn.govaert@igb-berlin.de

Profile

Lynn Govaert is a mathematician with a PhD in Biology (Evolutionary Ecology). She is fascinated to understand how ecological and evolutionary processes interact and simultaneously shape and structure communities and ecosystems in their response to global change. By taking a trait-based perspective, Lynn aims to obtain a mechanistic understanding and to detect general patterns on community trait dynamics in response to global change. Within her research, Lynn develops conceptual frameworks to capture the mechanisms, drivers and consequences of community trait changes, and integrate these frameworks with theoretical modelling and microcosm experiments.

Education

2013—2018	PhD in Sciences (Biology) at the Laboratory of Aquatic Ecology, Evolution and Conservation at University of Leuven, Belgium
2012—2013	Internship Specific Teaching Education (Mathematics)
2012—2013	Credit contract Sciences (in Biology) at University of Leuven, Belgium
2010—2012	Master of Science in Mathematics option Teaching, University of Leuven, Belgium
2007-2010	Bachelor of Science in Mathematics minor Bio-sciences, KULAK, Kortrijk and University of Leuven, Belgium

Professional Experience

Since 2021	Group leader of "Eco-evolutionary dynamics" research group at Leibniz Institute of Freshwater Ecology and Inland Fisheries (IGB), Berlin, Germany
2018—2020	Postdoctoral researcher at Department of Evolutionary Biology and Environmental studies, University of Zurich, and at Department of Aquatic Ecology at Eawag: the Swiss Federal Institute of Aquatic Science and Technology, Zurich, Switzerland

Grants & Fellowships

2021	Norwegian travel grant (TILTAK 3 Internasjonalisering 2021) of Nord University, Bodø, Norway
2018	ESEB Godfrey Hewitt Mobility Award
2017	FWO travel grant for research stay at Cornell University, Ithaca, USA

2017   FWO travel grant for research stay at Eawag: the Swiss Federal Institute of Aquatic
                Science and Technology, Zurich, Switzerland

Publications (selected)

Verrelli B.C., Alberti M., Des Roches S., Harris N.C., Hendry A.P., Johnson M.T., Savage A.M., Charmantier A., Gotanda K.M., **Govaert L.**, Miles L.S., ..., Zhou Y. and Ziter, C. (2022). A global horizon scan for urban evolutionary ecology, Trends in Ecology & Evolution 37:1006-1019.

Govaert L., Pantel J.H. and De Meester L. (2022). Quantifying eco-evolutionary contributions to trait divergence in spatially structured systems, Ecological Monographs 92(4):e1531.

Govaert, L., De Meester L., Rousseaux S., Declerck S.A.J. and Pantel J.H. (2021). Measuring the contribution of evolution to community trait structure in freshwater zooplankton, Oikos 130(10):1773-1787

Govaert L., Altermatt F., De Meester L., Leibold M.A., McPeek M., Pantel J.H., and Urban M. (2021). Integrating fundamental processes to understand eco-evolutionary community dynamics and patterns, Functional Ecology 35(10):2138-2155 .

Alberti M., Palkovacs E.P., Des Roches S., De Meester L., Brans K.I., **Govaert L.**, Grimm N.B., Harris N.C., Hendry A.P., Schell C.J., Szulkin M., Munshi-South J., Urban M.C., and Verrelli B.C. (2020). The complexity of urban eco-evolutionary dynamics, BioScience 70(9):772-793.

Invited Talks & Seminars (selected)

1. Seminar at University of Innsbruck, Innsbruck, Austria, 17 May 2022 and at Limnological station Mondsee, Mondsee, Austria, 11 May 2022
2. Seminar at North West seminar of Mathematical Biology and Data Science, 17 February 2021
3. Presentation at Society for Mathematical Biology (annual meeting), virtual conference, symposium session: Eco-evolutionary dynamics across scales of organisation, 17-20 August 2020
4. Keynote at 7th Evolutionary Demography Society Annual Meeting, Roros, Norway, 15-19 April 2020 (*postponed due to COVID-19 to virtual conference on 6-11 October 2020*)
5. Seminar at Nord University, Bodø, Norway, 16 June 2019 and at Norwegian University of Science and Technology, Trondheim, Norway, 14 June 2019