









Eva Katharina Engelhardt

Postdoctoral Researcher

Curriculum Vitae

January 2025

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In my research, I analyse large, heterogeneous datasets on species occurrences and traits in "R", especially using occupancy-detection models, trait analyses, and species distribution models. My aim is to investigate large scale effects of global change on biodiversity both in the past and the future.

Academic Education and Experience

Since 11/2023	Postdoctoral researcher , Department of Global Change Ecology, University of Würzburg
05/2024	Ph.D. (Dr. rer. nat.) with distinction (<i>summa cum laude</i>)
08/2018 – 06/2023 (parental leave 09/20 – 04/21)	Ph.D. student in Ecology and Biogeography, Technical University of Munich, Germany <i>"Long-term occupancy trends across three insect taxa and their relationship with potential drivers"</i>
10/2015 – 05/2018	M.Sc. Ecology and Evolution Goethe-Universität Frankfurt am Main, Germany
10/2011 – 09/2015	B.Sc. Biosciences Ruprecht-Karls-Universität Heidelberg, Germany

Award: Master-award 2018 of The Ecological Society of Germany, Austria and Switzerland (GfÖ)

Publications

- Engelhardt** et al. (2024) Myrmecophily is not a risk factor for long-term occupancy trends of central European Lycaenidae butterflies. *Insect Conservation and Diversity*, 18/1, 107-115, doi.org/10.1111/icad.12782
- Engelhardt** et al. (2023) European Habitats Directive has fostered monitoring but not prevented species declines. *Conservation Letters*, 16/3, 1-10, doi.org/10.1111/conl.12948
- Engelhardt** et al. (2022) Consistent signals of a warming climate in occupancy changes of three insect taxa over 40 years in central Europe. *Global Change Biology*, 28/13, 3998-4012, doi.org/10.1111/gcb.16200
- Engelhardt** et al. (2019) Ignoring biotic interactions overestimates climate change effects: The potential response of the spotted nutcracker to changes in climate and resource plants. *Journal of Biogeography*, 47/1, 143-154, doi.org/10.1111/jbi.13699
- Leitão, ... **Engelhardt** et al. (2019) Macroecology as a hub between research disciplines: Opportunities, challenges and possible ways forward. *Journal of Biogeography*, 47/1, 13-15, doi.org/10.1111/jbi.13751
- Hof, ... **Engelhardt** et al. (2018) Bioenergy cropland expansion may offset positive effects of climate change mitigation for global vertebrate diversity. *Proceedings of the National Academy of Sciences*, 115/52, 13294-13299, doi.org/10.1073/pnas.1807745115
- Engelhardt** & Wink (2016) Hatte die Usutu-Virus-Epidemie von 2011 und Folgejahren einen Einfluss auf die Brutbestände ausgewählter Vogelarten in Nordbaden? *Ornithologisches Jahreshft Baden-Württemberg*, 32/2, 19-26, www.ogbw.de/32_02_Engelhardt

Invited talks

01/2024	Seminar series of the Department of Biology, Middle East Technical University, Ankara
10/2022	Bavarian Environmental Agency (Bayerisches Landesamt für Umwelt), Augsburg
09/2022	Satellite-Symposium Facets of Biodiversity, 114 th meeting of the German Zoological Society (DZG), Bonn
11/2020	Lecture series Planet Earth 3.0, University of Greifswald (online)
04/2020	Seminar series of the Group for Theoretical Ecology, University of Regensburg (online)
01/2020	sMon 4 th Workshop, iDiv, Leipzig

International Conferences

01/2024	11 th Biennial conference of the International Biogeography Society, Prague, Czechia (Poster)
11/2022	SFE ² GfÖ EEF Joint meeting, Int. Conference on Ecological Sciences, Metz, France
06/2022	10 th Biennial conference of the International Biogeography Society, Canada (online)
20/2021	Early Career Biogeographers Conference, International Biogeography Society (online)
07/2021	Annual Meeting of the BES's macroecology and macroevolution group (online)
07/2019	Species on the Move International Conference Series, Kruger National Park, South Africa
01/2019	9 th Biennial conference of the International Biogeography Society, Málaga, Spain

National Conferences (Germany)

06/2024	joint Macroecology and Biogeography meeting 2024 of the specialist group Macroecology of the Ecological Society of Germany, Austria, and Switzerland (GfÖ) and the specialist group Biogeography of the Association for Geography (VGdH), Marburg (Poster)
09/2023	52 nd Annual Meeting of the GfÖ, Leipzig (Poster)
05/2023	joint Macroecology and Biogeography meeting 2023, Bayreuth
09/2021	50 th Annual Meeting of the GfÖ (Poster, online)
05/2020	15 th Young Modellers in Ecology workshop (talk online)
03/2020	14 th annual meeting of the specialist group Macroecology of the GfÖ, Konstanz
09/2019	49 th Annual Meeting of the GfÖ, Münster
03/2019	13 th annual meeting of the specialist group Macroecology of the GfÖ, Würzburg (Poster)

Outreach activities

Since 2024	Mentor for TUM Mentoring (postgraduate student) and Cybermentorin (pupils)
07/2024	Organization of a "Moth Night" as part of the National Moth Week 2024, featured on regional television (Bayerischer Rundfunk, Abendschau)
03/2024	Talk for the online workshop series "Who the bug" of the German Nature Conservation Youth (NAJU)
02/2024	Preparation of tasks for the 4 th Data Crunch Cup Würzburg
06/2022	Television and radio interviews on Engelhardt et al. (2022)
05/2022	Public Climate Lecture and Discussion
2015, '16, '17	Course leader, annual two-weeks summer school for pupils, course on biodiversity and climate change, independent conception and management
2012-2017	Guiding tours for all ages through the Zoo Heidelberg, teaching units, holiday programs for children (mostly ages 5-14)

Teaching activities

- Main supervisor of two Master theses and one Bachelor thesis
- Co-supervision of multiple Master and Bachelor theses
- Lecturer: M.Sc. courses R and Statistics, Macroecology, Global Change Biology
B.Sc. courses Methods in Conservation Planning, introduction to ecological modelling, Species Distribution Models, zoology and functional diversity of native birds and mammals
- Mini Workshop for Ph.D./M.Sc. students: SDM Basics BIOMOD2 at the 15th Young Modellers in Ecology workshop (online)
- Research assistant tutoring several courses on native animal biodiversity, morphology, evolution

Didactics training: several courses on didactics for teaching higher education with ProfiLehre (Teaching qualification programme) of the University of Würzburg in 2024

Administrative experiences

International workshop organization 2018 at Senckenberg Biodiversity&Climate Research Centre

Skills

Languages: German [native speaker], English [fluent speaker and scientific English], Russian [basic]

Programming: R [data analyzation, harmonization, visualization], GitHub [version control]

Statistics: Bayesian Occupancy-detection models, Species Distribution Models, Generalized Linear Mixed-Effects Models (Bayesian and classical inference)

Field ornithology: breeding bird surveys 2014-2016, island migratory birds and waterbirds monitoring Feb.-May 2016, recreational birding

Agile project management, SCRUM [basic]