









# Eva Katharina Engelhardt

Postdoctoral Researcher

## Curriculum Vitae

December 2023

 [ekengelhardt.github.io](https://github.com/ekengelhardt)  
 [eva-katharina.engelhardt@uni-wuerzburg.de](mailto:eva-katharina.engelhardt@uni-wuerzburg.de)  
 [@EKEngelhardt](https://twitter.com/EKEngelhardt)  
 [EKEngelhardt](https://orcid.org/0000-0003-0080-8168)  
 [Orcid-ID:0000-0003-0080-8168](https://orcid.org/0000-0003-0080-8168)  
 [GoogleScholar](https://scholar.google.com/citations?user=EKEngelhardt)  
 [Eva-Katharina-Engelhardt](https://www.researchgate.net/profile/Eva-Katharina-Engelhardt)  
 [ekengelhardt](https://www.linkedin.com/in/ekengelhardt)

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.

## Academic Education and Experience

Since 11.2023 **Postdoctoral researcher**, Department for Global Change Ecology,  
University of Würzburg  
08.2018 – 05.2023\* **PhD student** in Ecology and Biogeography, Thesis submitted 05.2023  
Technical University of Munich, Germany  
*"Long-term occupancy trends across three insect taxa and their relationship with potential drivers"*  
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. (2023) European Habitats Directive has fostered monitoring but not prevented species declines. *Conservation Letters*, 1-10, [doi.org/10.1111/conl.12948](https://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, 3998-4012, [doi.org/10.1111/gcb.16200](https://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, 143-154, [doi.org/10.1111/jbi.13699](https://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, 13-15, [doi.org/10.1111/jbi.13751](https://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, 13294-13299, [doi.org/10.1073/pnas.1807745115](https://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, 19-26, [www.ogbw.de/32\\_02\\_Engelhardt](http://www.ogbw.de/32_02_Engelhardt)

## Invited talks

2022 - Bavarian Environmental Agency (Bayerisches Landesamt für Umwelt), Augsburg  
- Satellite-Symposium Facets of Biodiversity, 114<sup>th</sup> meeting of the German Zoological Society (DZG), Bonn  
2020 - Lecture series Planet Earth 3.0, Greifswald (online)  
- Seminar series Prof. Florian Hartig, Regensburg (online)  
- sMon 4<sup>th</sup> Workshop, iDiv, Leipzig

## International Conferences

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

## National Conferences (Germany)

- 2023 - 52<sup>nd</sup> Annual Meeting of the Ecological Society of Germany, Austria and Switzerland (GfÖ), Leipzig  
- joint Macroecology and Biogeography meeting 2023 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), Bayreuth
- 2021 - 50<sup>th</sup> Annual Meeting of the Ecological Society of Germany, Austria and Switzerland (GfÖ) (Poster, online)
- 2020 - 15th Young Modellers in Ecology workshop (talk online)  
- 14<sup>th</sup> annual meeting of the specialist group Macroecology of the Ecological Society of Germany, Austria, and Switzerland (GfÖ), Konstanz
- 2019 - 49th Annual Meeting of the Ecological Society of Germany, Austria and Switzerland (GfÖ), Münster  
- 13th annual meeting of the specialist group Macroecology of the Ecological Society of Germany, Austria, and Switzerland (GfÖ), Würzburg (Poster)

## Teaching activities

Main supervisor of two Master theses, co-supervision of multiple Master and Bachelor theses

Lecturer: M.Sc. biodiversity basics, paper discussions

M.Sc./B.Sc. introduction to ecological modelling, Species Distribution Models

B.Sc., basic zoology and functional diversity of native birds and mammals

Mini Workshop for PhD and Master students: SDM Basics BIOMOD2 at the 15th Young Modellers in Ecology workshop (online)

Research assistant tutoring several courses on native animal biodiversity, morphology, evolution

## Outreach activities

- 2022 - Television and radio interviews on Engelhardt et al. (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)

## 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]

\* including parental leave 09.2020-04.2021