

Curriculum Vitae

Dr. Olga Heim

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Academic and Educational Background

- 10/2017-10/2017 **Visiting Researcher**, Biodiversity Unit, Department of Biology, University of Turku, **Finland**. Collaboration with Dr. Eero Vesterinen.
- 06/2017-06/2017 **Visiting Researcher**, Laboratory of Forest Ecosystem, University of Tokyo Forests, Hokkaido, **Japan**. Collaboration with Prof. Dr. Dai Fukui.
- 05/2017-05/2017 **Visiting Researcher**, School of Software, Yunnan University, Kunming, Yunnan, **China**. Collaboration with Prof. Dr. Jeffrey Zheng.
- 01/2012-04/2017 **Dissertation in Biology**, Animal Ecology, Department of Biochemistry and Biology, University of Potsdam, Germany & Leibniz Institute for Zoo and Wildlife Research, Berlin, Germany.
Title: Spatiotemporal effects on bat activity above intensively managed farmland.
Advisors: Prof. Dr. Jana A. Eccard & PD Dr. Christian C. Voigt
Grade: magna cum laude
- 10/2006-01/2012 **Diploma in Biology**, Institute of Experimental Ecology (now Institute of Evolutionary Ecology and Conservation Genomics), Ulm University, Germany.
Title: Influence of landscape elements on diversity and activity of insectivorous bats in grassland systems of the Schorfheide-Chorin.
Advisors: Prof. Dr. Elisabeth Kalko, PD Dr. Marco Tschapka & Prof. Dr. M. Ayasse
Grade: 1.5
- 09/1999-06/2006 **Abitur** (qualification for university entrance), Hohenstaufen-Gymnasium, Bad Wimpfen, Germany.
Grade: 2.2

Professional and Teaching Experience

- 01/2012-04/2017 **Supervision** of four **Master students** and six **internship students** during my PhD.
- 10/2013-10/2014 **Organisation** of **PhD-seminar**, Animal Ecology, Department of Biochemistry and Biology, University of Potsdam, Germany.
- 05/2011-07/2011 **Student Assistant** for the analysis of acoustic recordings and Assistant during the **course** „Einführung in die Bioakustik: Aufnahme und Analyse“ at the Institute of Experimental Ecology, University of Ulm, Germany.

Peer-reviewed Publications

- [7] **O. Heim**, J. Lenski, J. Schulze, K. Jung, S. Kramer-Schadt, J. A. Eccard, C. C. Voigt (2018). The relevance of vegetation structures and small water bodies for bats foraging above farmland. **Basic and Applied Ecology** 27, pp: 9-19, doi: <https://doi.org/10.1016/j.baae.2017.12.001>.
- [6] **O. Heim**, L. Lorenz, S. Kramer-Schadt, K. Jung, C. C. Voigt, J. A. Eccard (2017). Landscape and scale-dependent spatial niches of bats foraging above intensively used arable fields. **Ecological Processes** 6(24), pp: 1-15, doi: [10.1186/s13717-017-0091-7](https://doi.org/10.1186/s13717-017-0091-7).

- [5] **O. Heim** (2017). Spatiotemporal effects on bat activity above intensively managed farmland. Thesis, Department of Biochemistry and Biology, **University Potsdam**, Potsdam, p. 158.
- [4] D. M. Heim, **O. Heim**, P. A. Zeng, J. Zheng (2016). Successful creation of regular patterns in variant maps from bat echolocation calls. **Biological Systems Open Access** 5(2), pp: 1-6, doi: 10.4172/2329-6577.1000166.
- [3] **O. Heim**, A. Schröder, J. Eccard, K. Jung, C. C. Voigt (2016). Seasonal activity patterns of European bats above intensively used farmland. **Agriculture, Ecosystems & Environment** 233, pp: 130-139, doi: 10.1016/j.agee.2016.09.002.
- [2] J. T. Treitler, **O. Heim**, M. Tschapka, K. Jung (2016). The effect of local land use and loss of forests on bats and nocturnal insects. **Ecology and Evolution** 6(13), pp: 4289-4297, doi: 10.1002/ece3.2160.
- [1] **O. Heim**, J. T. Treitler, M. Tschapka, M. Knörnschild, K. Jung (2015). The importance of landscape elements for bat activity and species richness in agricultural areas. **PLoS One** 10, e0134443, doi:10.1371/journal.pone.0134443.

Grants and Scholarships

- 10/2017 Travel grant, German Academic Exchange Service (DAAD) for invited talk at the Biodiversity Unit, Department of Biology, University of Turku, Finland.
- 03/2017-06/2017 Grant-in-Aid for Scientific Research on Innovative Areas funded by the Ministry of Education, Culture, Sports, Science and Technology (MEXT), Japan.
- 05/2016-10/2016 Stipend for Dissertation, Potsdam Graduate School, University of Potsdam, Germany.

Professional Talks (selected)

- 10/2017 "Spatiotemporal effects on bat activity above intensively managed farmland" at the **Biodiversity Unit, University of Turku**, Finland.
- 06/2017 "Spatiotemporal effects on bat activity above intensively managed farmland" at the **Department of Biomedical Information, Doshisha University**, Kyoto, Japan.
- 05/2017 "Animal tracking using the Global Positioning System (GPS)" and "Spatiotemporal effects on bat activity above intensively managed farmland" at the **School of Life Science, Yunnan University**, Kunming, China.
- 08/2016 "Local and landscape effects on European bats in an agricultural landscape" at the **International Bat Research Conference (IBRC)**, Durban, South Africa.

Stays Abroad

- 06/2013-07/2013 Field station "Tabachka" in **Bulgaria**. Capturing and sampling of bats on behalf of the Leibniz Institute for Zoo and Wildlife Research, Berlin, Germany.
- 05/2009-06/2009 Field trip to **Kroatia** in the framework of the subject "Ecology of the Mediterranean area", University of Ulm, Germany.

Additional Training (selected)

- 03/2017 "Laboratory Animal Science and Methods of Animal Experimentation" (FELASA, category B) German Institute of Human Nutrition in Potsdam-Rehbrücke, Germany
- 09/2015-08/2016 "Mentoring Plus" Potsdam Graduate School, University of Potsdam, Germany.

O. Heim

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Neu-Ulm, April 6th 2018