

Professional Experience

- Since 07/2015 **Department of Forest and Wildlife Ecology, University of Wisconsin-Madison, USA**
Research assistant
- 04/2013 – 04/2015 **Department of Environmental Remote Sensing & Geoinformatics, University of Trier, Germany**
Graduate assistant
Geometric correction of remotely sensed images, pre-processing of data and analysis, habitat modelling
- 02/2014 – 04/2014 **Centre de Recherche Public – Gabriel Lippmann, Department of Environment and Agro-Biotechnologies (EVA), Belvaux, Luxembourg**
Internship
Research unit: Remote Sensing and Ecosystems
Geometric and atmospheric correction of SPOT 4 and 5 data, crop growth modelling with APSIM, data assimilation of SPOT data into APSIM model
- 12/2011 – 05/2012 **School of Biological Sciences Research, University of Auckland, New Zealand**
Internship
Research unit: Ecology, Evolution and Behaviour
Research related to the protection program for Blue Ducks with focus on ArcGIS, field work and research related to bats
- 08/2010 – 10/2010 **Agency for Environmental Studies “Büro für ökologische Studien”, Bayreuth, Germany**
Internship
Research related to bats, analysis of contaminated river with macrozoobenthos, planning of an information centre for biodiversity, mapping of molluscs
- Summer term 2010 **Department of Environmental Toxicology, University of Trier, Germany**
Student assistant for genetics tutorial
- 08/2009 – 12/2013 **Bavarian Forest National Park, Grafenau, Germany**
Internship and graduate assistant
Data analysis, data management, field work, research related to bats

Educational Background

- Since 07/2015 **University of Wisconsin-Madison – USA**
Department of Forest and Wildlife Ecology
PhD Candidate
Advisor: Volker Radeloff

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53706, USA ○ email: buchner2@wisc.edu

- 2012/13 – 2014/15 **University of Trier – Germany**
Master of Science Degree: “Environmental Sciences”
Focus: “Environmental Remote Sensing and Modelling”
Master’s Thesis: “Assessing large ungulate habitat in Northern Botswana using remote sensing data and species distribution modeling: A comparison of long-term and short-term data”
- 2008/09 – 2011/12 **University of Trier – Germany**
Bachelor of Science Degree: “BioGeo-Analysis”
Bachelor’s Thesis: “Habitat-foraging bat guilds in near natural low mountain range forest”
- 2005/06 – 2007/08 **University of Bayreuth – Germany**
Environmental Engineering Science

Further Skills

Programming Skills ENVI, ArcGIS, ERDAS Imagine, R (Statistics), MS Office (Word, Excel, Power Point)

Publication

Müller, J., Brandl, R., Buchner, J., Pretzsch, H., Seifert, S., Strätz, C., Veith, M., Fenton, B. (2013): From ground to above canopy—Bat activity in mature forests is driven by vegetation density and height, *Forest Ecology and Management*, 306: 179–184.

Seibold, S., Buchner, J., Bässler, C., Müller, J. (2013): Ponds in acidic mountains are more important for bats in providing drinking water than insect prey. *Journal of Zoology*, 290: 302–308.