

# Alke Voskamp

alke.voskamp@senckenberg.de

## EDUCATION

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2012 – May 2017 **PhD Biological Sciences** Durham University

*Thesis title:* "Species risk under climate change: a global evaluation and optimised solutions"

*Supervisors:* Prof. Stephen Willis, Dr. Philip Stephens

2011-2012 **MSc Biodiversity and Conservation** University of Exeter

*Thesis title:* "Ecological niche modelling as a conservation tool"

*Supervisor:* Dr. Robert Wilson

2006-2010 **BSc International Wildlife Management** UAS Van Hall Larenstein

*Thesis title:* "Suitable habitat mapping for Giant Clams (*Tridacna maxima*)"

## WORK EXPERIENCE

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- since 04/2019 **Postdoctoral Researcher** Germany, Senckenberg BiK-F  
*Overview:* Identifying suitable protected areas for long-term conservation based on various biodiversity variables, including projected climate and land-use change, in collaboration with the Frankfurt Zoological Society (FZS). Preparing modelling results from climate and land-use change impact studies for various stakeholders.
- 06/2017 – 03/2019 **Postdoctoral Researcher** Germany, Senckenberg BiK-F  
*Overview:* "Modelling impacts of climate and land-use change for global biodiversity." Using SDMs to investigate potential futures for the global biodiversity of vertebrates under different climate and land-use change scenarios.
- 10/2015 – 05/2016 **Research Associate** Durham University, UK  
*Overview:* Developed Species Distribution Models for the Americas to inform potential changes in occurrence of biodiversity across the Important Bird Areas network of the Americas under scenarios of future climate change. In collaboration with BirdLife International and the National Audubon Society.
- 10/2012 – 05/2016 **Demonstrator** Durham University, UK  
*Overview:* Working as a demonstrator in undergraduate biology practical classes. Explaining complex biological principles to students and guiding them through practical lab-based tasks.

## FIELD EXPERIENCE

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- 03/2012 – 06/2012 **Little Fireface Project, Indonesia** MSc thesis project  
*Overview:* Set up a field study and collected data on environmental variables and the distribution of Javan slow lorises.
- 01/2011 – 07/2011 **Provincie Fryslan, Netherlands** Research Intern  
*Overview:* Set up a field study to compare different types of census techniques for waders and farmland birds.

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- 03/2010 – 05/2010 **New Heaven Reef Conservation, Thailand** BSc thesis project  
*Overview:* Set up a study and collected environmental data in the bays around Koh Tao island.
- 08/2009 – 01/2010 **Tachila Nature Reserve, Botswana** Research Intern  
*Overview:* Conducted area mapping and fund raising for the new established reserve.
- 02/2008 – 07/2008 **Proyecto Carey, Costa Rica** Research Intern  
*Overview:* Data collection and analysis on seed dispersal through frugivores.

## TEACHING

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- 2019 / 2020 Community ecology, macroecology and conservation, Master level, Goethe University Frankfurt  
Running a 2-day practical on Species Distribution Models (SDM) including lectures and R sessions
- 2015 Durham University Learning and Teaching Award, Associate Fellow of the Higher Education Academy
- 2012 – 2017 Working as a demonstrator in undergraduate classes, including assisting in lab practicals, R courses, field trips and marking class work.

## SCIENTIFIC CONTRIBUTIONS

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### Publications

- Biber M.F., **Voskamp A.**, Niamir A., Hickler T., Hof C. (2020) A comparison of macroecological and stacked species distribution models to predict future global terrestrial vertebrate richness. *Journal of Biogeography*. DOI:10.1111/jbi.13696.
- Leitao P.J., Andrew C.J., Engelhardt E.K., Graham C.H., Martinez-Almoyna C., Mimet A., Pinkert S., Schröder B., **Voskamp A.**, Hof C., Fritz S.A. (2019) Macroecology as a hub between research disciplines: Opportunities, challenges and possible ways forward. *Journal of Biogeography*. DOI:10.1111/jbi.13751.
- Wilsey C., Wu J., Taylor L., **Voskamp A.**, Willis S.G., Linares-Romero L.G., Avellandea F., Aconcha Abril I., Ochoa D., Butchart S.H.M. (2019) Proyectando el impacto del cambio climatico en la avifauna de areas protegidas: el caso del Parque Nacional Natural Chingaza, Colombia. *Yu'am Revista Mesoamericana de Biodiversidad y Cambio Climatico* 6 (3): 4:21.
- Hof C.\*, **Voskamp A.\***, Biber M.F.\*, Boehning-Gaese K., Engelhardt E.K., Niamir A., Willis S.G., Hickler T. (2018) Combined future impacts of climate and land-use change for global vertebrate diversity under low and high warming scenarios. *PNAS*. DOI:10.1073/pnas.1807745115. *\*equal contribution*
- **Voskamp A.**, Baker D.J., Stephens P., Valdes P.J., Willis S.G. (2017) Correlates of global avian phylogenetic diversity. *Journal of Biogeography*. DOI:10.1111/jbi.12916.
- **Voskamp A.**, Rode E.J., Coudrat C.N.Z., Wirdateti, Abinawanto, Wilson R.J., Nekaris K.A.I. (2014) Modelling the habitat use and distribution of the threatened Javan slow loris *Nycticebus javanicus*. *Endangered Species Research* 23: 277-286.
- Rode-Margono E.J., **Voskamp A.**, Spaan D., Lehtinen J.K., Roberts P.D., Nijman V., Nekaris K.A.I. (2014) Records of small carnivores and of medium-sized nocturnal mammals on Java, Indonesia. *Small Carnivore Conservation* 50: 1-11.

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- **Voskamp A.**, Baker D.J., Stephens P.A., Howard C., Butchart C.H.M., Willis S.G. *Future composition and distribution of the world's terrestrial bird communities under climate change (under review)*.
- Stewart P.S., **Voskamp A.**, Biber M.F., Hof C., Willis S.G., Tobias J.A. *Global impacts of climate change on avian functional diversity (under review)*

## Invited Talks

- **Voskamp, A.** (2019) Impacts of climate change on the community compositions and diversity of the world's terrestrial birds. **Invited keynote**, Species On The Move (SOTM) Conference, Krüger NP, South Africa.

## Conference Talks

- **Voskamp, A.**, Biber, M., Hof, C., Fritz, S. (2020) Impacts of climate change on the phylogenetic diversity of the world's terrestrial birds. Specialist Group on Macroecology of the Ecological Society of Germany, Annual Meeting, Konstanz, Germany.
- **Voskamp, A.**, Köcke, V., Schenck C., Böhning-Gaese K. (2019) Selecting suitable sites for the permanent conservation of biodiversity: Legacy Landscapes. Annual Meeting of the British Ecological Society (BES), Belfast, Ireland.
- **Voskamp, A.**, Biber, M., Hof, C. (2019) Bioenergy cropland expansion may offset positive effects of climate change mitigation for global vertebrate diversity. Cross-sectoral ISIMIP workshop, Paris, France.
- **Voskamp, A.**, Fritz, S., Biber, M., Hof, C. (2019) Impacts of climate change on the community compositions and diversity of the world's terrestrial birds under different warming scenarios. Specialist Group on Macroecology of the Ecological Society of Germany, Annual Meeting, Würzburg, Germany.
- **Voskamp, A.**, Biber, M., Hof, C. (2019) Impacts of climate change on the community compositions and diversity of the world's terrestrial birds under different warming scenarios. International Biogeography Society (IBS), Biannual Meeting, Malaga, Spain.
- **Voskamp, A.**, Biber, M.F., Hof, C. (2018) Global assessment of the impacts of climate change on the ranges, community compositions and diversity of the world's terrestrial birds under different warming scenarios. Specialist Group on Macroecology of the Ecological Society of Germany, Annual Meeting, Birmensdorf, Switzerland.
- **Voskamp, A.**, Baker, D.J., Stephens, P., Butchart, S., Willis, S.G. (2018) Global assessment of range changes and species community compositions of the world's terrestrial birds under different scenarios of climate change. International Biogeography Society (IBS), Climate Change Biogeography Meeting, Evora, Portugal.
- **Voskamp, A.**, Baker, D.J., Stephens, P., Butchart, S., Willis, S.G. (2016) Towards a global GAP analysis for the world's terrestrial birds under climate change: How effective will the global protected area network be in future? Annual Meeting of the British Ecological Society (BES), Liverpool, UK.
- **Voskamp, A.**, Baker, D.J., Stephens, P., Butchart, S., Willis, S.G. (2016) Global hotspots for assisted colonization (AC): where will AC be most beneficial in conserving the world's birds under climate change? Species on the Move Conference (SOTM), Hobart, Tasmania.
- **Voskamp, A.**, Baker, D.J., Stephens, P., Willis, S.G. (2015) Correlates of global avian phylogenetic diversity. Annual Meeting of the British Ecological Society (BES), Edinburgh, UK.

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- **Voskamp, A.**, Baker, D.J., Stephens, P., Willis, S.G. (2015) Correlates of global avian phylogenetic diversity. Postgraduate Conference School of Biological and Biomedical Sciences, Durham, UK.
- **Voskamp, A.**, Baker, D.J., Stephens, P., Willis, S.G. (2015) Avian phylogenetic diversity: global patterns and their drivers. Lightning talk and poster. International Biogeography Society (IBS), Biannual Meeting, Bayreuth, Germany.

## Posters

- **Voskamp, A.**, Baker, D.J., Stephens, P., Willis, S.G. (2017) Global assessment of range changes and species community compositions of the world's terrestrial birds under climate change. Annual Meeting of the British Ecological Society (BES), Ghent, Belgium.
- **Voskamp, A.**, Baker, D.J., Stephens, P., Willis, S.G. (2015) Avian phylogenetic diversity: global patterns and their drivers. Student Conference on Conservation Science (SCCS), Cambridge, UK.
- **Voskamp, A.**, Baker, D.J., Stephens, P., Willis, S.G. (2014) Correlates of global avian phylogenetic diversity. Annual Meeting of the British Ecological Society (BES), Lille, France.
- **Voskamp, A.**, Rode, E.J., Coudrat, C.N.Z., Wirdateti, Abinawanto, Wilson, R.J., Nekaris, K.A.I. (2012) Javan Slow Loris Biogeography: Distribution and habitat preferences of the Javan Slow Loris (*Nycticebus javanicus*) on Java, Indonesia. Primate Society of Great Britain Winter meeting, London, UK.

## WORKSHOP ATTENDANCE AND ORGANISATION

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- 06/2020 Legacy Landscapes Site Selection Webinar. Organised two 2hrs webinar sessions to discuss conservation priority setting and presented results from the Legacy Landscapes project.  
*Target audience:* Stakeholders including, NGOs, academics and finance experts.
- 06/2019 ISIMIP-CRESCENDO Cross-Sectoral Workshop. Attendance and presenting the latest results from the biodiversity sector, Paris, France.  
*Target audience:* Various modelling groups involved with ISIMIP
- 02/2019 Indicator Workshop ISIMIP. Attending and representing the biodiversity sector, Ouagadougou, Burkina Faso.  
*Target audience:* Various stakeholder groups from across West Africa.
- 09/2018 ISIMIP Cross-Sectoral Workshop, Potsdam, Germany.  
*Target audience:* Various modelling groups involved with ISIMIP.
- 05/2018 ISIMIP Biodiversity Sector Meeting. Attending and presenting the current results of the biodiversity sector.  
*Target audience:* Members of various research groups working on biodiversity models globally.

## SELECTED AWARDS

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- DAAD Scholarship for conferences (Kongressreisen), 2019
- British Ecological Society Training and Travel Grant, 2016
- University College Travel Scholarship, Durham University, 2016
- Best Poster Award, Department of Biosciences Durham, Research Away Day, 2016
- IBS Student Travel Award, International Biogeography Society Conference, 2015
- University College Travel Scholarship, Durham University, 2015
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## **JOURNAL REVIEWS**

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- Diversity and Distributions, Ecology and Evolution, Urban Ecosystems, Nature Climate Change, Nature Ecology and Evolution, Primates

## **PROFESSIONAL SOCIETY MEMBERSHIPS**

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- British Ecological Society (BES)
- International Biogeography Society (IBS)

## **ADDITIONAL EXPERIENCE**

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- Member of the Postgraduate Liaison Committee as well as postgraduate representative at the Postgraduate Studies Committee and the Board of Studies as a PhD student at the Department of Biosciences Durham.
- Volunteering with the Frankfurt Zoological Garden as “Naturschutz Botschafter” (Nature conservation ambassador), contribution to various outreach activities informing children and other zoo and museum visitors about current conservation topics.