

Curriculum Vitae

Education and professional experience

- 2013 - 2018 Member of the directorate of Senckenberg Gesellschaft für Naturforschung.
- since 2010 W3 professor Goethe University and Executive Director of the Senckenberg Biodiversity and Climate Research Centre, Frankfurt.
- 2001 - 2010 C3 professor for "Ecology" at Johannes Gutenberg-University Mainz.
- since 2000 Research Associate of the National Museums of Kenya.
- 1999 - 2001 Research Associate at RWTH Aachen, Dept. Zoologie/Tierphysiologie. Heisenberg award by DFG.
- 10.02.1999 Habilitation in "Zoologie" at Universität Tübingen. Research topic: "Mikro- und makroökologische Ansätze zum Verständnis von Artengemeinschaften"; 03. 12. 1999 transferred to RWTH Aachen.
- 1996 - 1999 Research Associate at RWTH Aachen, Dept. Zoologie/Tierphysiologie. Habilitanden stipend awarded by DFG.
- 1993 - 1996 Postdoctoral fellow at Vogelwarte Radolfzell, Max-Planck-Institut für Verhaltensphysiologie, Prof. Berthold.
- 1990 - 1993 PhD thesis: "Ursachen für langfristige Bestandsentwicklungen europäischer und nordamerikanischer Singvögel in kontinentalem Maßstab", University of Tübingen, supervisor Prof. Schmidt-Koenig.
- 1984 - 1990 Study of biology at the University of Tübingen.
Diploma thesis: "Zur Nahrungsökologie des Weißstorchs (*C. ciconia*) in Oberschwaben", University of Tübingen, supervisor Prof. Schmidt-Koenig.

Research experience in other countries (selection)

- since 2012 Field project on biodiversity and ecosystem functions of birds in Podocarpus National Park, Ecuador.
- since 2010 Field project on biodiversity and ecosystem functions of birds on Mt. Kilimanjaro, Tanzania.
- 2007 - 2012 Field project on movement patterns of Trumpeter Hornbills in South Africa.
- 2001 - 2010 Field projects on human disturbance, seed dispersal and forest regeneration in Kenya and Uganda.
- 2000 - 2002 Field projects on the life-history of two *Sylvia*-warblers in Kenya.
- 1996 - 1998 Field project on seed dispersal in South Africa.
- 1994 Centre for Population Biology, Silwood Park, England, with Prof. Lawton.
- 1993 University of Oxford, England, with Prof. Perrins.

- 1992 - 1995 Field projects on seed dispersal in Madagascar.
 1992, 1994 University of New Mexico, Albuquerque, USA, with Prof. Brown.
 1992 Montana State University, Bozeman, USA, with Dr. Taper.
 1990 - 1991 University of New Mexico, Albuquerque, USA, with Prof. Brown.

Fellowships and grants

- 2015 - 2018 DFG proposal in the framework of the German Federation for the Curation of Biological Data (GFBio). K. Böhning-Gaese one of 21 PIs. ([BO 1221/25-1](#)).
- 2015 - 2016 DFG proposal for initiation of the multilateral network "ScenNet" in the framework of the Belmont Forum. PI for German partners K. Böhning-Gaese. (BO 1221/24-1).
- 2015 - 2017 DFG proposal on "A cross-taxa assessment of the impact of climate change on population abundance" ([BO 1221/23-1](#)).
- 2013 - 2016 DFG proposal on functional diversity of birds and bats within DFG Forschergruppe "Kilimanjaro ecosystems under global change" ([project website](#); [BO 1221/16-2](#))
- 2013 - 2016 DFG proposal on functional indicators for avian seed dispersal; DFG Bundle Program: "Platform for Biodiversity and Ecosystem Monitoring and Research in South Ecuador" ([BO 1221/20-1](#)).
- 2012 - 2015 DFG proposal on the impact of climate change on ungulates, large mammalian predators and tourists in African national parks ([BO 1221/19-1](#)).
- 2012 Mercator professorship for Prof. Dr. Catherine Graham to Goethe University. PI K. Böhning-Gaese.
- 2011 - 2015 EU COST Action "Harmonizing global biodiversity modeling (HarmBio)". K. Böhning-Gaese one of 14 PIs.
- 2011 - 2014 Field project funded by DFG on pollinator-plant interactions in South African Fynbos. PIs M. Schleuning and F. Schurr ([SCHL 1934/1-1](#)).
- 2011 Grant of the University Frankfurt, support for developing a Research Training Group on "Niche evolution". PIs K. Böhning-Gaese and A. Klusmann-Kolb.
- 2010 - 2013 Field project funded by DFG within Forschergruppe "Kilimanjaro ecosystems under global change" ([project website](#); [BO 1221/16-1](#)).
- 2009 - 2012 Field project funded by DFG on movement patterns and seed dispersal of Trumpeter Hornbills in South Africa ([BO 1221/14-1](#)).
- 2009 - 2011 Grant of Femarn Bælt A/S on the impact of changes in environment and climate on waterbirds and migrating birds in the Fehmarnbelt region. Co-PI.
- 2009 - 2010 Grant of the University of Mainz, supplementary support for TREEs, tropical forest ecosystem services, land-use, and rural livelihoods in East Africa.
- 2007 - 2010 Field project funded by BMBF, BIOLOG Program, on the influence of climate change and human disturbance on East African rainforests: management tools and recommendations ([project website](#)).

- 2007 - 2010 Field project funded by DFG on landscape structure, bird diversity, and seed dispersal of the wild cherry ([BO 1221/13-1](#)).
- 2006 - 2009 Bundesamt für Naturschutz, F+E project on nature reserves in Germany under climate change.
- 2004 - 2007 Virtual Institute of the Helmholtz-Gemeinschaft, "Macroecology", project on "Global change and bird communities".
- 2004 - 2007 Field project funded by BMBF, BIOLOG Program, on the influence of human disturbance on seed dispersal and forest regeneration in East African rain forests ([project website](#)).
- 2004 Grant of the University of Mainz, project on the influence of global climate change on bird communities.
- 2002 - 2004 Field project funded by DFG on the influence of the Atlas Mountains on the migratory routes of Palearctic songbirds. ([BO 1221/10-1](#))
- 2001 - 2004 Field project funded by BMBF, BIOLOG Program, on fragmentation, seed dispersal and forest regeneration in Kakamega Forest, Kenya.
- 2001 - 2003 Field project funded by DFG on the ecology and evolution of frugivory and seed dispersal in Madagascar and South Africa. ([BO 1221/7-2](#))
- 2001 - 2002 Grant of the University of Mainz, field project on the influence of inundation disturbances on mutualistic animal-plant interactions.
- 1999 - 2002 Field project funded by DFG on the life-history of temperate and tropical *Sylvia* warblers. ([BO 1221/9-1](#))
- 1999 - 2001 Heisenberg award of the DFG. ([BO 1221/8-1](#))
- 1998 - 2001 Field project funded by the DFG on the ecology of frugivory and seed dispersal in Madagascar and South Africa. ([BO 1221/7-1](#))
- 1996 - 1999 Habilitanden fellowship and grant of the DFG, project on the macroevolution of migratory behaviour in birds. (BO 1221/4-1, 4-2, 6-1)
- 1996 Travel grant of DFG, field project on seed dispersal in the genus *Commiphora* in South Africa.
- 1995, 1996 Travel grants of DFG, visits to the annual meetings of the Ecological Society of America 1995 and 1996. (BO 1221/3-1)
- 1993 - 1996 Postdoctoral fellowship of the DFG. (BO 1221/1-1, 1-2)
- 1993 - 1995 A. F. W. Schimper-Stipend of the Heinrich- und Erna-Walter-Stiftung, field project on seed dispersal in Madagascar.
- 1992 - 1993 PhD fellowship of the Studienstiftung des deutschen Volkes.
- 1990 Field project, funded by the Reinhold-und-Maria-Teufel-Stiftung, on small mammals and ants in the Chihuahuan desert, USA.
- 1987 - 1990 Study fellowship of the Studienstiftung des deutschen Volkes.

Professional services for funding agencies and scientific societies

- Member of the steering committee of the German Federation for Biological Data (GFBio) (2015 - 2018).
- Member of the Scientific Committee of the DIVERSITAS bioDISCOVERY Core Project (2014 - 2017).
- Member of AK "Kuratorium deutsche Biodiversitätsforschung im Forum für Forschungsförderung der Allianz" (since 2013).
- Member of the executive committee of sDiv, German Centre for Integrative Biodiversity Research – iDiv (since 2013).
- Member of the steering committee of Map of Life (MoL) (since 2012).
- Member of the steering committee of the Forschergruppe Kilimanjaro "Kilimanjaro ecosystems under global change" (since 2010).
- Chairperson of the special interest group "Macroecology" of the "Gesellschaft für Ökologie" (since 2006).
- Member of the "Senatskommission für Biodiversitätsforschung" of the DFG (since 2008).
- Elected spokesperson of the DFG Fachkollegium "Zoologie", "Ökologie der Tiere, Biodiversität und Ökosystemforschung" (2012 - 2015).
- Member of the German National Committee for Global Change Research (2011 - 2013).
- Chairperson of the "Fachgruppe Ökologie" of the "Deutsche Zoologische Gesellschaft" (2003 - 2007).
- PI of the collaborative research project BIOTA East, BIOLOG Program of the BMBF (2004).
- Member of the steering committee of "Forschungszentrum Erdsystemwissenschaften", Johannes Gutenberg-University of Mainz (2008 - 2010).
- Member of the "International Ornithological Committee (IOC)" (since 1998) and of the advisory board of the "Deutsche Ornithologen-Gesellschaft" (1999 - 2004).
- Member of the Editorial Boards of *Global Ecology and Biogeography* (since 2007), *Oecologia* (1999 - 2008), *Basic and Applied Ecology* (2007 - 2008), *Ecotropica* (1995 - 2010), *Journal of Ornithology* (2004 - 2009), and *Avian Science* (2001 - 2003).
- Ad-hoc referee for *Science*, *PNAS*, *PLoS One*, *Trends in Ecology and Evolution*, *Current Biology*, *The American Naturalist*, *Ecology Letters*, *Ecology*, *Oecologia*, *Proceedings of the Royal Society London B*, *Biological Journal of the Linnean Society*, *Global Change Biology*, *Ecological Applications*, *Journal of Applied Ecology*, *Conservation Biology*, *Biodiversity and Conservation*, *Global Ecology and Biogeography*, *Ecography*, *Diversity and Distributions*, *Journal of Biogeography*, *Basic and Applied Ecology*, *Acta Oecologica*, *Écoscience*, *Journal of Tropical Ecology*, *Studies on Neotropical Fauna and Environment*, *Ecotropica*, *International Journal of Plant Sciences*, *Flora*, *Insectes Sociaux*, *Archiv für Hydrobiologie*, *Journal of Avian Biology*, *Journal of Ornithology*, *Condor*, *Avian Science*, and *Ardeola*.
- Member of the evaluation committee of the Museum Koenig, Bonn (2006).
- Reviewer for the "Landes-Offensive zur Entwicklung Wissenschaftlichökonomischer Exzellenz (LOEWE) des Landes Hessen" (2008).

- Reviewer for Deutsche Forschungsgemeinschaft (DFG), Deutscher Akademischer Austausch Dienst (DAAD), Leibniz-Gemeinschaft, National Science Foundation (NSF, USA), Natural Environment Research Council (NERC, Great Britain), Finnish Academy of Sciences, German-Israeli Foundation for Scientific Research and Development (GIF), Netherlands Organisation for Scientific Research (NWO) and Studienstiftung des deutschen Volkes.
- Selection committee of the "Studienstiftung des deutschen Volkes".

Collaborations (selection)

Dr. Nico Blüthgen, TU Darmstadt: Seed-disperser networks in Kakamega Forest, Kenya.

Prof. James Brown, University of New Mexico, Albuquerque, USA: Long-term trends in bird populations and communities in Europe and North America.

Prof. Timothy Coulson, Imperial College London, Silwood Park: Integrating socioeconomic and biological drivers of biodiversity in Kakamega Forest, Kenya.

Prof. Wolfgang Cramer, Potsdam Institut für Klimafolgenforschung: Influence of climate and land-use change on bird populations and communities.

Dr. Richard Dean, FitzPatrick Institute of African Ornithology, Cape Town: *Ficus* as keystone genus for frugivorous birds in the Kenyan farmland.

Dr. Wolfgang Fiedler, Max-Planck Institute of Ornithology: Movement patterns of Trumpeter Hornbills in South Africa.

Prof. Richard Field, University of Nottingham, UK: Spatial patterns in woody plant diversity in Kenya.

Prof. Catherine Graham, State University of New York: Ecological niche modelling of *Sylvia* warblers.

Prof. Walter Jetz, University of California, San Diego, USA: Global distribution of avian clutch sizes.

Prof. Pedro Jordano, University of Madrid, Spain: Bird-plant networks in the Andes.

Prof. Elisabeth Kalko, University of Ulm: Bird and bat diversity along elevational and land-use gradients.

Prof. Pablo Marquet, Santiago University, Chile: Factors influencing the abundance of European and Chilean birds.

Prof. Ran Nathan, Hebrew University, Jerusalem, Israel: Seed rain and seed dispersal distances of tropical trees.

Dr. Albert Phillimore, Imperial College London, UK: Ecomorphology and dispersal distances of songbirds.

Prof. Andreas Prinzing, University of Rennes, France: Seed dispersal by ants along disturbance gradients.

Prof. Carsten Rahbek, Zoological Museum Copenhagen: Biodiversity of birds on a continental scale in Africa.

Prof. Gertrud Schaab, Fachhochschule Karlsruhe: Influence of land-use on seed dispersal and forest regeneration in East African rainforests.

PD Dr. Martin Schaefer, University of Freiburg: Fruit colors and seed dispersal of bird vs. primate-dispersed fruits.

Dr. Frank Schurr, University of Potsdam: Bird-*Protea* interactions in the Cape Fynbos.

Prof. Ingolf Steffan-Dewenter, University of Bayreuth: Pollination and seed dispersal of the wild cherry (*Prunus avium*) along a human disturbance gradient.

Dr. Christoph Sudfeldt, Dachverband Deutscher Avifaunisten: Population trends of German birds in relation to climatic factors and climate change.

Prof. Michael Veith, University of Trier: Evolution of the breeding and wintering ranges of long-distance migratory birds.

Prof. Martin Wikelski, Max-Planck Institute of Ornithology: Movement patterns of Trumpeter Hornbills in South Africa.