



Prof. Dr. Katrin Böhning-Gaese ML

Professor at Goethe University Frankfurt

Director, Senckenberg Biodiversity and Climate Research Centre Frankfurt (SBiK-F)

Personal details

Name: Katrin Böhning-Gaese, nee Böhning
Date of birth: 22. 12. 1964
Place of birth: Oberkochen, Ostalbkreis, Germany
Marital status: married to PD Dr. Bernhard Gaese
Children: Johannes, born 1996
Sebastian, born 1997
Nationality: German

Contact details

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Research interests

Relationships between people and ecosystems

- Macroecology, modelling, community ecology and social-ecological systems
- Influence of global change on biodiversity and ecosystem functions
- Relationship between biodiversity, nature`s contributions to people and human well-being

Curriculum vitae

Education

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.
- 1990 – 1993 PhD thesis: "Ursachen für langfristige Bestandsentwicklungen europäischer und nordamerikanischer Singvögel in kontinentalem Maßstab", Universität Tübingen, supervisor Prof. Schmidt-Koenig.
23. 08. 1993 Dissertation Dr. rer. nat. magna cum laude (1.0).
- 1984 – 1990 Study of Biology at Universität Tübingen, Diplom (1.0).
Diploma thesis: "Zur Nahrungsökologie des Weißstorchs (*C. ciconia*) in Oberschwaben", Universität Tübingen, supervisor Prof. Schmidt-Koenig.
- 1975 – 1984 Gymnasium Oberkochen in Oberkochen, Reifezeugnis (1.2).

Professional experience

- 2017 - 2021 Vice-president of the Leibniz Association.
- 2013 - 2022 Member of the directorate of Senckenberg Gesellschaft für Naturforschung.
- Since 2010 W3 professor Goethe University and Director of the Senckenberg Biodiversity and Climate Research Centre, Frankfurt.
- 2001 - 2010 C3 professor for "Ecology" at Johannes Gutenberg-Universität Mainz.
- 1999 - 2001 Research Associate at RWTH Aachen, Dept. Zoologie/Tierphysiologie. Heisenberg award by DFG.
- 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.

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 (12 weeks).
- 1996 - 1998 Field project on seed dispersal in South Africa (10 weeks).
- 1994 Centre for Population Biology, Silwood Park, England, with Prof. Lawton (5 weeks).
- 1993 University of Oxford, England, with Prof. Perrins (2 weeks).
- 1992 - 1995 Field projects on seed dispersal in Madagascar (7 months).
- 1992, 1994 University of New Mexico, Albuquerque, USA, with Prof. Brown (4 months).
- 1992 Montana State University, Bozeman, USA, with Dr. Taper (2 weeks).
- 1990 - 1991 University of New Mexico, Albuquerque, USA, with Prof. Brown (13 months).

Awards

- 2023 Wissensbuch des Jahres 2023, Bild der Wissenschaft, ZÜNDSTOFF, Publikumspreis.
- 2023 Science Communication Medaille, Göttinger Literatur Herbst.
- 2022 Elected Honorary Fellow of the American Ornithological Society.
- 2021 Deutscher Umweltpreis of the Deutsche Bundesstiftung Umwelt (250.000 Euro).
- 2015 Elected fellow of Leopoldina, German National Academy of Sciences.
- 2015 Elected fellow of the Academy of Sciences and Literature | Mainz.
- 1999 Heisenberg award of the Deutsche Forschungsgemeinschaft.
- 1992 PhD fellowship of Studienstiftung des Deutschen Volkes.

Fellowships and grants

- 2020 - 2024 Speaker of the DFG Research Unit "The role of nature for human well-being in the Kilimanjaro Social-Ecological System (Kili-SES)" (FOR 5064); "Coordination Project" of the Research Unit Kili-SES (Bo 1221/33-1). PI K. Böhning-Gaese. 2.364.210 Euro.
- 2020 – 2024 Project on "Biodiversity and supply of material and non-material NCP" within DFG Research Unit "Kili-SES" (Bo 1221/32-1). PIs T. Müller, K. Böhning-Gaese, and P. Manning. (Funding KBG 92.800 Euro).
- 2019 - 2021 Project on functional island biogeography of birds within DFG Research Unit "Spatial community ecology in highly dynamic landscapes: from island biogeography to metaecosystems", PI Ch. Hof.
- 2017 – 2020 iDiv Flexible Pool project on the role of nature and socio-economic factors for human well-being. PI K. Böhning-Gaese, A. Bonn. 200.000 Euro.
- 2016 - 2018 Speaker of the DFG Research Unit "Kilimanjaro ecosystems under global change" (FOR 1246/3); "Coordination Project" of DFG Research Unit "Kilimanjaro" (BO 1221/26-3). PI K. Böhning-Gaese. 705.000 Euro.
- 2016 - 2018 "Central data base" within DFG Research Unit "Kilimanjaro" (BO 1221/27-1). PIs I. Steffan-Dewenter, T. Nauss, and K. Böhning-Gaese. (Funding KBG 6300 Euro)
- 2016 - 2018 Project on mutualistic plant-animal interaction networks within DFG Research Unit "Kilimanjaro" (Bo 1221/16-3). PIs K. Böhning-Gaese, M. Schleuning, and M. Tschapka. (Funding KBG 92.800 Euro)
- 2015 - 2018 Project funded by DFG in the framework of the German Federation for Biological Data (GFBio). K. Böhning-Gaese one of 21 PIs. (Bo 1221/25-1) (268.200 €)
- 2015 - 2016 Project funded by DFG 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) (114.050 €).
- 2015 - 2017 Project funded by DFG on "A cross-taxa assessment of the impact of climate change on population abundance" (Bo 1221/23-1) (275.500 €). PI K. Böhning-Gaese.
- 2013 - 2016 Project on functional diversity of birds and bats within DFG Forschergruppe "Kilimanjaro ecosystems under global change" (Bo 1221/16-2) (274,700 €). PI K. Böhning-Gaese.
- 2013 - 2016 Project funded by DFG on functional indicators for avian seed dispersal; DFG Bundle Program: "Platform for Biodiversity and Ecosystem Monitoring and Research in South Ecuador" (262,400 €). PI K. Böhning-Gaese.
- 2012 - 2015 Project funded by DFG on the the impact of climate change on ungulates, large mammalian predators and tourists in African National Parks. (197,900 €). PI K. Böhning-Gaese.
- 2012 Mercator professorship for Prof. Dr. Catherine Graham to Goethe University Frankfurt, PI K. Böhning-Gaese. (29,300 €)
- 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. (M.S. 159,800 €; F.S. 148,300 €).
- 2011 Grant of the University Frankfurt, support for developing a Research Training Group

- on "Niche evolution". PIs K. Böhning-Gaese and A. Klussmann-Kolb (35,000 €).
- 2010 - 2013 Field project funded by DFG within Forschergruppe "Kilimanjaro ecosystems under global change" (Bo 1221/16-1) (171,000 €).
- 2009 - 2012 Field project funded by DFG on movement patterns and seed dispersal of Trumpeter Hornbills in South Africa (Bo 1221/15-1) (166,000 €).
- 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 (25,000,- €).
- 2009 - 2010 Grant of the Universität Mainz, supplementary support for TREES, tropical forest ecosystem services, land-use, and rural livelihoods in East Africa (70,000,- €).
- 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 (01LC0625/E11) (537,900,- €).
- 2007 – 2010 Field project funded by DFG on landscape structure, bird diversity, and seed dispersal of the wild cherry (Bo 1221/13-1) (89,200,- €).
- 2006 – 2009 Bundesamt für Naturschutz, F+E project on nature reserves in Germany under climate change (54,000,- €).
- 2004 – 2007 Virtual Institute of the Helmholtz-Gemeinschaft, "Macroecology", project on "Global change and bird communities" (VH-VI-153) (150,000,- €).
- 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 (01LC0405/E11) (549,800,- €).
- 2004 Grant of the Universität Mainz, project on the influence of global climate change on bird communities (5000,- €).
- 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) (152,600,- €).
- 2001 - 2004 Field project funded by BMBF, BIOLOG Program, on fragmentation, seed dispersal and forest regeneration in Kakamega Forest, Kenya (01LC0025/E11) (483,000,- DM).
- 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) (188,600,- DM).
- 2001 - 2002 Grant of the Universität Mainz, field project on the influence of inundation disturbances on mutualistic animal-plant interactions (66,000,- DM).
- 1999 – 2002 Field project funded by DFG on the life-history of temperate and tropical *Sylvia* warblers (Bo 1221/9-1) (137,300,- DM).
- 1999 – 2001 Heisenberg award of the DFG (Bo 1221/8-1) (223,300,- DM).
- 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) (116,500,- DM).
- 1996 - 1999 Habilitanden fellowship and grant of the DFG, project on the macroevolution of migratory behavior in birds (Bo 1221/4-1, 4-2, 6-1) (152,200,- DM).
- 1996 Travel grant of DFG, field project on seed dispersal in the genus *Commiphora* in South Africa (Bo 1221/3-1) (6800,- DM).
- 1995, 1996 Travel grants of DFG, visits to the annual meetings of the Ecological Society of America 1995 and 1996 (Bo 1221/2-1, 5-1) (4000,- DM).
- 1993 - 1996 Postdoctoral fellowship of the DFG (Bo 1221/1-1, 1-2) (95,000,- DM).
- 1993 - 1995 A. F. W. Schimper grant of the Heinrich- und Erna-Walter-Stiftung, field project on seed dispersal in Madagascar (26,100,- DM).
- 1992 - 1993 PhD fellowship of the Studienstiftung des deutschen Volkes (25,300,- DM).
- 1990 Field project, funded by the Reinhold-und-Maria-Teufel-Stiftung, on small mammals and ants in the Chihuahuan desert, USA (1200,- DM).
- 1987 - 1990 Study fellowship of the Studienstiftung des deutschen Volkes (3600,- DM).

Professional services for science, society and nature conservation

- Member of the "German Council for Sustainable Development" (since 2023).
- Member of the Hochschulrat of the University of Kassel (since 2023).
- Member of the Advisory Committee of the UN-Decade on Ecosystem Restoration (since 2022).
- Speaker of "Fokusgruppe Biodiversität, Klima und Landnutzung" of Leopoldina (since 2022).

- Member of international IPBES “Nature Futures” working group (2022).
- Member of the Advisory Committee of the Leopoldina “Zentrum für Wissenschaftsforschung” (since 2022).
- Member of the Advisory Committee of the Legacy Landscape Fund (since 2021).
- Member of the Board of Zoologische Gesellschaft Frankfurt (since 2019).
- Member of the DFG „Senatskommission für Grundsatzfragen der Biologischen Vielfalt“ (since 2018).
- Member of the Scientific Committee of the DIVERSITAS bioDISCOVERY Core Project (2014 – 2017).
- Member of the German National Committee for Global Change Research (2011 - 2013).
- Elected spokesperson of the DFG Fachkollegium "Zoologie", "Ökologie der Tiere, Biodiversität und Ökosystemforschung" (2012 - 2016).
- Fachkollegium of the DFG, "Zoologie", "Ökologie der Tiere und Ökosystemforschung" (2008 – 2012).
- Member of the "Senatskommission für Biodiversitätsforschung" of the DFG (2008 - 2016).
- Member of the steering committee of the German Federation for Biological Data (GFBio) (2015 – 2018).
- Member of the steering committee of Map of Life (MoL) (since 2012).
- Member of the executive committee of sDiv, German Centre for Integrative Biodiversity Research – iDiv (2013 - 2017).
- Member of the steering committee of the Forschergruppe Kilimanjaro "Kilimanjaro ecosystems under global change" (since 2010).
- Member of the steering committee of "Forschungszentrum Erdsystemwissenschaften", Johannes Gutenberg-Universität Mainz (2008 - 2010).
- Chairperson of the special interest group "Macroecology" of the "Gesellschaft für Ökologie" (2006 - 2016).
- Chairperson of the "Fachgruppe Ökologie" of the "Deutsche Zoologische Gesellschaft" (2003 - 2007).
- 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* (2007 - 2016), *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 & Evolution*, *Current Biology*, *The American Naturalist*, *Ecology Letters*, *Ecology*, *Oecologia*, *Proceedings of the Royal Society B*, *Biological Journal of the Linnean Society*, *Global Change Biology*, *Ecological Applications*, *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*.
- 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".

Organisation of scientific meetings

- Leopoldina Symposium: “Mehr, größere oder bessere Schutzgebiete? Wie Deutschland die biologische Vielfalt besser schützen kann“, Berlin (2023).
- Leopoldina Symposium: „Landwende: Wie wollen wir leben?“, Halle (2023).
- Senckenberg Conference "Geobiodiversity – An Integrative Approach Expanding Humboldt’s Vision", Frankfurt am Main (2017).
- Organization of the Leopoldina-Symposium "Erdbeobachtung durch Tiere. Chancen und

- Perspektiven". Berlin (2016).
- Member of the "Organisation Committee" for the International Conference on Scenarios and Models of Biodiversity and Ecosystem Services in Support of Decision Making, Montpellier (2015 - 2016).
 - Organization of the 6. meeting of the special interest group "Macroecology" of the "Gesellschaft für Ökologie", Frankfurt together with S. Fritz and C. Hof (2012).
 - Member of the "Scientific Program Committee" for the 5th International Frugivory and Seed Dispersal Symposium, Montpellier (2005 – 2010).
 - Organization of the 1. meeting of the special interest group "Macroecology" of the "Gesellschaft für Ökologie", Mainz (2007).
 - Member of the "Scientific Program Committee" for the meeting "Macroecological tools for global change research", PIK, Potsdam (2006).
 - Symposium "Macroecology" at the International Ornithological Congress, Hamburg together with Prof. Rahbek, Denmark (2006).
 - Member of the "Scientific Program Committee" for the 24th International Ornithological Congress, Hamburg (2002 – 2006).
 - Symposium "Impact of birds on ecosystem structure and function" at the International Ornithological Congress, Beijing, China together with Prof. Gauthier, Canada (2002).
 - Symposium "Evolution der Vögel" at the meeting of the "Deutsche Ornithologen-Gesellschaft", Leipzig (2000).
 - Workshop "Samenverbreitung durch Primaten" at the Primatenzentrum Göttingen together with Prof. Ganzhorn (1995).
 - Symposium "Ökologie tropischer Lebensgemeinschaften" at the meeting of the "Gesellschaft für Ökologie", Frankfurt (1994).

Invited scientific talks:

- Keynote talk, "Biodiversität und Mensch im Anthropozän", *Deutsche Gesellschaft für Psychiatrie und Psychotherapie, Psychosomatik und Nervenheilkunde* (DGPPN), Berlin (2023).
- Panel discussion, "How can we better communicate", *Gesellschaft für Ökologie*, Leipzig (2023).
- Keynote talk, "From macroecology to policy options", *Gesellschaft für Ökologie*, Leipzig (2023).
- Plenary talk, Festveranstaltung, *100 Jahre Wilhelm Lauer*, Bonn (2023).
- Plenary talk, *CRC Future Rural Africa Lecture Series*, Köln (2023).
- Lecture in the *Ringvorlesung Erdsystemforschung*, TU Darmstadt (2022).
- Keynote talk on „Biodiversity conservation in Germany" in the Workshop "Zusammen-Leben im Anthropozän", Deutsches Museum München (2022).
- Public evening lecture, *Deutsche Zoologische Gesellschaft*, Bonn (2022).
- Plenary talk, *Distinguished Lecturers Series Innovation Pathways to Sustainability*, Bonn (2022).
- Keynote talk at „1. Forum des Nationalen Monitoringzentrums zur Biodiversität", Leipzig (2022).
- Plenary talk at *Symposium Zoonotische Infektionskrankheiten* (2022).
- Plenary talk on „A new approach to site selection for the global conservation of biodiversity in perpetuity". *Half-Earth Day* (2021).
- *Johannes-Müller-Vorlesung*, Fachbereich Biologie, Chemie und Pharmazie of FU Berlin (2021).
- Opening speech on "Biodiversity and people in the Anthropocene" at the *Annual Meeting of the Leopoldina* (2021).
- Plenary talk on „Planetary thinking and nature conservation" in the lecture series "Exploring planetary thinking", *Goethe University* (2021).
- Keynote talk on "Das Planetare und der Naturschutz" at the colloquium "Perspektiven auf das Planetare", *University Gießen* (2021).
- Keynote talk on "Rückgang der Biodiversität, Zunahme von Pandemien? Eine sozial-ökologische Perspektive" at a public workshop on the Corona and biodiversity crisis" by *MfN and Leibniz network "Crises in a Globalised World"* (2020).
- Keynote talk on "Das große Artensterben: Was wissen wir und was müssen wir tun?" at the digital conference „Zukunftsfragen" of the *EKHN Stiftung and Senckenberg* (2020).
- *Cambridge Conservation Initiative* seminar series (2020).
- *Kerner von Marilaun keynote talk* at a Conference on "Biodiversität als wissenschaftliche und gesellschaftliche Herausforderung", organised by ÖAW, Wien (2020).

- Plenary talk on "Welche Werte hat Natur?", *Akademie der Wissenschaften und Literatur, Mainz* (2019).
- Plenary talk on "Sind Vögel nützlich?", *Urania, Berlin* (2018).
- Plenary talk on "An integrative approach to nature in the Anthropocene: science, data, people" *iDiv, Leipzig* (2018).
- Plenary talk on Kilimanjaro ecosystems under global change, *Moshi, Tanzania* (2018)
- Keynote talk on Biodiversity research in the *Leibniz Association, Brussels* (2018)
- Keynote talk at MICMoR Research Forum, *KIT, Garmisch-Partenkirchen* (2017).
- Plenary talk at 25th Anniversary of *Deutsche Bundesstiftung Umwelt, Osnabrück* (2017).
- Keynote talk at Biodiversitäts-Symposium of the *Akademie der Wissenschaften und der Literatur, Mainz* (2017).
- Keynote talk at *AfroMont Research Conference, Moshi, Tanzania* (2017).
- *Universität Greifswald, Prof. Fischer* (2016).
- Keynote talk at *Leopoldina-Symposium, Lebenswissenschaften, Halle* (2016).
- Plenary talk at the "6th *International Frugivory and Seed Dispersal Symposium*", Drakensberge, South Africa (2015).
- Keynote talk at the *Future Earth Symposium "Global Biodiversity Monitoring"*, Prof. Jetz, Yale University (2015).
- Workshop der "Wissenschaftlichen Kommission Umwelt" der *Leopoldina* (2015).
- *Universidad del Azuay, Cuenca, Ecuador, Prof. Zárate* (2014).
- *Universität Göttingen, Prof. Scheu* (2014).
- *Kerner von Marilaun keynote talk* at the Conference on "Diversität und Wandel - Leben auf dem Planeten Erde", organised by ÖAW, Leopoldina, acatech und IIASA, Wien (2014).
- Keynote talk at "2. *Nationales Forum zu IPBES*", Bonn (2013).
- Keynote talk at the Joint European Conference of the BfN and the European Network of Heads of Nature Conservation Agencies (*ENCA*), Bonn (2013).
- Keynote talk at the meeting of the *International Biogeography Society, Miami* (2013).
- Plenary talk at the *Yale University Symposium "Spatial Biodiversity Science and Conservation at a Global Scale"* (2012).
- Plenary talk at the inaugural meeting of the special interest group "Macroecology" of the *British Ecological Society* (2012).
- Invited talk at the symposium "Do we need birds?", *British Ornithologist Union* (2012).
- Plenary talk at the Symposium "Multitrophic interactions", Prof. Tschardtke, *Göttingen* (2012).
- Invited talk at the *Max Planck Symposium "Biodiversity"*, Berlin (2012).
- *Silwood Park, England, Division of Biology, Dr. Orme* (2011).
- Plenary talk at the meeting of the *Deutsche Ornithologen-Gesellschaft* (2011).
- *Universität Freiburg, Zoologisches Kolloquium, PD Dr Schaefer* (2011).
- *Senckenberg Naturhistorische Sammlungen Dresden, Prof. Fritz* (2011).
- *Weihenstephaner Kolloquium zur Angewandten Ökologie und Planung, Prof. Stöcklein* (2010).
- Invited talk at the Meeting of the Ecological Society of America, Pittsburgh, Pennsylvania, USA (2010).
- *University Marburg, Ökologisches Kolloquium, Prof. Farwig* (2010).
- Plenary talk at the "5th *International Frugivory and Seed Dispersal Symposium*", Montpellier (2010)
- *University Zürich, Botanisches Kolloquium, PD Dr. Kessler* (2010).
- *Universität Rostock, Biologisches Kolloquium, Prof. Porembski* (2009).
- *University of KwaZulu-Natal, Pietermaritzburg, South Africa, Prof. Downs* (2009).
- *Biodiversität und Klima Forschungszentrum, Frankfurt, Prof. Oehlmann* (2009).
- *Max Planck Institute for Ornithology, Prof. Wikelski* (2008).
- *Universität Bayreuth, Lehrstuhl Tierökologie I, Prof. Steffan-Dewenter* (2008).
- *Silwood Park, England, Division of Biology, Prof. Coulson* (2008).
- *Universität Würzburg, Zoologisches Institut III, Prof. Riederer* (2008).
- Plenary talk at a *symposium of the state Rheinland-Pfalz* on "Biodiversität" (2008).
- *Universität Göttingen, Biologische Fakultät, Prof. Leuschner* (2007).
- *UFZ Leipzig-Halle, Department of Community Ecology, Dr. Klotz* (2006).
- Plenary talk at the Presidential Forum "Bird science and conservation", *International Ornithological Congress, Hamburg* (2006).

- Plenary talk at the symposium "Macroecology", *International Ornithological Congress*, Hamburg (2006).
- Plenary talk at the international conference "Macroecological tools for global change research", *PIK*, Potsdam (2006).
- *Bundesamt für Naturschutz*, Insel Vilm, Rügen (2006).
- *Universität Bielefeld*, Fakultät für Biologie, Dr. Kraemer (2006).
- *Tierärztliche Hochschule Hannover*, Institut für Zoologie, Prof. Zimmermann (2006).
- Plenary talk at the "4th *International Frugivory and Seed Dispersal Symposium/Workshop*", Brisbane, Australia (2005).
- *University of Copenhagen*, Copenhagen, Denmark, Biological Institute, Prof. Rahbek (2005).
- *TU Darmstadt*, Fachbereich Biologie, Prof. Scheu (2004).
- *TU München/FH Weihenstephan*, Prof. Zahner (2004).
- *Universität Potsdam*, Institut für Biochemie und Biologie, Prof. Jeltsch (2004).
- Plenary talk at the meeting of the "*Gesellschaft für Tropenornithologie*", Berlin (2004).
- Plenary talk at the symposium "Birds and berries and plant secondary metabolites", *Universität Heidelberg* (2003).
- *Universität Tübingen*, Zoologisches Institut, Prof. Schnitzler (2003).
- *Zoological Museum, University of Copenhagen*, Copenhagen, Denmark, Prof. Rahbek (2003).
- *Universität Frankfurt*, Zoologisches Institut, Prof. Wiltschko (2003).
- Plenary talk at the symposium "Birds of Two Worlds", *Smithsonian Environmental Research Center*, Virginia, USA (2002).
- Plenary talk at the meeting of the "*Deutsche Zoologische Gesellschaft*", Universität Halle (2002).
- *Ludwig-Maximilians-Universität München*, Department Biologie, Prof. Diehl (2002).
- *Universität Essen*, Fachbereich Zoologie, Prof. Burda (2002).
- *TU Braunschweig*, Zoologisches Institut, Prof. Rüppell (2001).
- *Universität Trier*, Biogeographisches Institut, Prof. Müller (2001).
- *National Museums of Kenya*, Nairobi, Kenya, Dr. Bennun (2001).
- *Universität Mainz*, Institut für Zoologie, Prof. Seitz (2000).
- *Universität Marburg*, Fachbereich Biologie, Prof. Galland (2000).
- *Universität Lüneburg*, Fachbereich Umweltwissenschaften, Prof. Härdtle (2000).
- *Konrad Lorenz-Institut für Vergleichende Verhaltensforschung*, Wien, Prof. Winkler (2000).
- *Universität Bayreuth*, Institut für Terrestrische Ökosystemforschung, Prof. Hauhs (2000).
- *Universität Bern*, Zoologisches Institut, Prof. Nentwig (2000).
- Plenary talk at the "*Phylogenetische Symposium*" "Phylogenie und Ökologie", Universität Hamburg (2000).
- *Universität Göttingen*, Institut für Zoologie und Anthropologie, Prof. Schaefer (1999).
- *Universität Bonn*, Zoologisches Institut, Prof. Rasa (1998).
- *Max-Planck-Institut für Verhaltensphysiologie*, Seewiesen, Prof. Gwinner (1998).
- *Tierärztliche Hochschule Hannover*, Institut für Zoologie, Prof. Zimmermann (1998).
- *Universität Bonn*, Fachgruppe Biologie, Prof. Bleckmann (1998).
- *Universität Erlangen*, Institut für Zoologie II, Prof. v. Helversen-Helversheim (1998).
- *Universität Ulm*, Allgemeine Zoologie, Prof. Spindler (1998).
- *Universität Marburg*, Fachbereich Biologie, Prof. Bertsch (1997).
- *Bundesamt für Naturschutz*, Insel Vilm, Rügen (1997).
- *Universität Hamburg*, Zoologisches Institut, Prof. Franck (1996).
- *Universität Potsdam*, Institut für Ökologie und Naturschutz, Prof. Wallschläger (1996).
- *Max-Planck-Institut für Verhaltensphysiologie*, Seewiesen, Prof. Wickler (1995).
- *UFZ Leipzig-Halle*, Sektion Ökosystemanalyse, Prof. Wissel (1994).
- *Universität Würzburg*, Zoologisches Institut III, Prof. Linsenmair (1994).
- *Silwood Park, England*, Centre for Population Biology, Prof. Lawton (1994).
- *British Trust for Ornithology*, Thetford, England, Prof. Greenwood (1994).
- *University of New Mexico*, Albuquerque, USA, Dept. of Biology, Prof. Brown (1994).
- *University of Oxford*, Dept. of Zoology, England, Prof. Perrins (1993).
- *Centre for Population Biology*, Silwood Park, England, Prof. Lawton (1993).

Student supervision

Diploma-, Masters-, Staatsexamens- and Bachelor theses:

49. Dominik Merges: Einfluss von Umweltbedingungen und Samenprädation auf die Keimlingsetablierung der Arve (Masters thesis, co-supervisor Eike-Lena Neuschulz, 2015).
48. Joel Methorst: Zusammenhang zwischen der Ausbreitungsfähigkeit und Klimatische von Organismen (Masters thesis, co-supervisor Christian Hof, 2015).
47. Juliane Zenner: Seasonal relationships of avian diversity with climate in Australia (Masters thesis, co-supervisor Susanne Fritz, Universität Frankfurt, 2014).
46. Laura Birkmann: Functional diversity of frugivorous birds along an elevational gradient on Mt. Kilimanjaro (Masters thesis, co-supervisor Susanne Fritz, Universität Mainz and Frankfurt, 2014).
45. Julia Schmack: Insect predation by birds and bats in coffee plantations in relation to land use intensity at the Kilimanjaro (Masters thesis, co-supervisor Matthias Schleuning; Universität Frankfurt, 2013).
44. Karin Forstner: Nischendynamik von Fliegenschnäppern (Gattung *Ficedula*) und Spöttern (Gattung *Hippolais*) unter Klimawandel (Bachelor thesis, co-supervisor Christian Hof, Universität Frankfurt, 2013).
43. Josephine Sonnenberg: Niche and range dynamics of Wheatears (genus *Oenanthe*) under climate change (Masters thesis, co-supervisor Christian Hof, Universität Frankfurt, 2012).
42. Laura Längsfeld: Netzwerke zwischen frugivoren Vögeln und fruchtenden Pflanzen entlang eines Landnutzungsgradienten. (Diplomarbeit, co-supervisor Matthias Schleuning, Universität Mainz, BiK-F, 2012).
41. Alexander Zizka: Life history strategies of trees and shrubs in South African Savanna (Masters thesis, main supervisor Steven Higgins, Universität Frankfurt, 2012).
40. Lili Ingmann: Latitudinal trends in the modularity of quantitative seed dispersal networks. (Diplomarbeit, co-supervisor Matthias Schleuning, Universität Mainz, BiK-F, 2012).
39. David Weiß: Struktur von Interaktions-Netzwerken auf globalem Maßstab (Diplomarbeit, co-supervisor Matthias Schleuning, Universität Mainz, BiK-F, 2011).
38. Michaela Plein: Netzwerke zwischen frugivoren Vögeln und fruchtenden Pflanzen entlang eines Landnutzungsgradienten. (Diplomarbeit, co-supervisor Matthias Schleuning, Universität Mainz, BiK-F, 2011).
37. Patrizia Estler: Ökomorphologie frugivorer Vögel entlang eines Höhengradienten in den peruanischen Anden. (Diplomarbeit, co-supervisor Matthias Schleuning, Universität Mainz, BiK-F, 2011).
36. Julia Markl: Einfluss menschlicher Störungen auf Samenausbreitung durch Tiere: eine Meta-Analyse (Diplomarbeit, co-supervisor Matthias Schleuning, Universität Mainz, 2011).
35. Julia Solveig-Brennecke: Einfluss der Distanz zum Waldrand und Zerstörungsgraden auf die holzige Strauch- und Baum-Gesellschaft und auf nutzbare Pflanzen des Kakamega Regenwalds, West Kenia (Diplomarbeit, co-supervisor Dana Berens, Universität Gießen and Universität Mainz, 2010).
34. Verena Schuldenzucker: Einfluss von Waldmanagement auf Störung des Kakamega Forest, Kenia (Diplomarbeit, co-supervisor Dana Berens, Universität Mainz, 2010).
33. Jonathan Debler: Einfluss der Landnutzung auf die Streifgebiete des Trompeter-Nashornvogels (Diplomarbeit, co-supervisor Marc Niggemann, Universität Mainz, 2010).
32. Peter Søgaaard Jørgensen: Factors explaining spatial variation in European bird population trends (Master's thesis, main supervisor C. Rahbek, University of Copenhagen and Universität Mainz, 2010).
31. Stefanie Rau: Einfluss des Klimas auf die Populationsdynamik von häufigen Vögeln in Deutschland (Diplomarbeit, co-supervisor Monika Schwager, Universität Mainz, 2010).
30. Jessica Gowitzke: Einfluss anthropogener Nutzung auf die Populationsstruktur von *Anogeissus leiocarpa* (DC.) Guill. & Perr. und *Detarium microcarpum* Guill. & Perr. im Biosphärenreservat Pendjari, Benin (Diplomarbeit, main supervisor R. Wittig, Universität Frankfurt and Universität Mainz, 2010).
29. Eva Neitscher: Streifgebietsgröße von Amseln (*Turdus merula*) in Abhängigkeit von der Versorgung ihres Nachwuchses (Diplomarbeit, co-supervisor Marc Niggemann, Universität Mainz, 2010).

28. Michaela Hanauer: Zusammenhang zwischen der Streifgebietsgröße von Amseln (*Turdus merula*) und der Intensität der menschlichen Landnutzung (Diplomarbeit, co-supervisor Marc Niggemann, Universität Mainz, 2010).
27. Sebastian Menke: Anthropogenic edges increase frugivore visitation and redundancy of seed-dispersal relationships in a Kenyan rain forest (Diplomarbeit, co-supervisor Matthias Schleuning, Universität Mainz, 2010).
26. Stefan Ferger: Carbon sources of forest and farmland birds in a Kenyan rainforest and its adjacent farmland (Diplomarbeit, co-supervisor Matthias Schleuning, Universität Mainz, 2009).
25. Katharina Lanegger: The influence of climate on the population dynamics and the distribution of the European Bee-eater (*Merops apiaster*) in Germany (Diplomarbeit, co-supervisor Monika Schwager, Universität Mainz, 2009).
24. Heiko Korntheuer: Auswirkungen populationsbiologischer, ökologischer und morphologischer Merkmale europäischer Singvögel auf die Größe ihrer Verbreitungsgebiete (Diplomarbeit, Universität Mainz, 2009).
23. Christoph Böhm: Der Einfluss von Umweltvariablen auf die Rekrutierung und Etablierung von *Prunus avium* L. im Wald- und Feldhabitat in Rheinhessen (Staatsexamensarbeit, co-supervisor Matthias Schleuning, Universität Mainz, 2009).
22. Claudia Grünewald: Ausbreitung der Samen von *Prunus avium* durch Säugetiere (Diplomarbeit, Universität Mainz, 2009).
21. Martina Flörchinger: Farbe, Morphologie und sekundäre Inhaltsstoffe von vogel- versus affenausgebreiteten tropischen Baumarten (Diplomarbeit, Universität Mainz and Universität Freiburg, 2009).
20. Johanna Lenz: Streifgebiete und Bewegungsmuster von Trompeter-Hornvögeln (*Ceratogymna bucinator*) in einer fragmentierten Landschaft (Diplomarbeit, Universität Mainz, 2008).
19. Britta Dawideit: Zusammenhang zwischen Morphologie, Ausbreitungsverhalten und Zugverhalten von Singvögeln (Diplomarbeit, Universität Mainz, 2008).
18. Svenja Tillmann: Bestäubung der Wildkirsche (*Prunus avium*) entlang eines menschlichen Störungsgradienten (Diplomarbeit, Universität Mainz und Universität Bayreuth, 2008).
17. Sabine von der Gönna: Einfluss menschlicher Störung auf Kleinsäuger und Samenprädation in Kakamega Forest, Kenia (Diplomarbeit, co-supervisor Nina Farwig, Universität Mainz, 2007).
16. Nils Breitbach: Landscape structure, avian diversity and seed removal of the wild cherry (*Prunus avium* L.) (Diplomarbeit, Universität Mainz, 2006).
15. Irina Laube: Landscape structure, avian diversity and seed removal of the wild cherry (*Prunus avium* L.) (Diplomarbeit, Universität Mainz, 2006).
14. Kathrin Burkhart: Warum sind die Lebensgeschichten tropischer und temperater Singvögel so unterschiedlich? (Diplomarbeit, co-supervisor Hans-Christian Schaefer, Universität Mainz, 2006).
13. Nickson Otieno, Kenia: Bird diversity in relation to farm structure in western Kenya (Master's thesis, co-supervisor Nina Farwig, Universität Mainz and University of Nairobi, since 2005).
12. Fred Barasa Munyekenye, Kenia: Bird communities in differently managed forest stands in Kakamega Forest, Kenya (Master's thesis, co-supervisor Nina Farwig, Universität Mainz and University of Nairobi, 2005).
11. Anke Rander: Fremdvaterschaften bei der Mönchsgrasmücke (*Sylvia atricapilla*) (Diplomarbeit, Universität Freiburg and Universität Mainz, 2005).
10. Dana Berens: Exotic fruiting guava trees are suitable nursing trees for forest regeneration in Kenyan farmlands (Diplomarbeit, Universität Mainz, 2005).
9. Monika Melcher: Einfluss menschlicher Störungen auf Samenprädation von *Prunus africana* im Kakamega-Forest, Kenia (Diplomarbeit, co-supervisor Bärbel Bleher, Universität Mainz, 2004).
8. George Were Eshiamwata: *Ficus* trees as centres of forest regeneration in the agricultural landscape around Kakamega forest, Kenya (Master's thesis, co-supervisor Bärbel Bleher, Universität Mainz and Percy FitzPatrick Institute of African Ornithology, University of Cape Town, 2004).
7. Jasper M. Kirika, Kenya: Influence of human disturbance on seed dispersal of a keystone genus, *Ficus* spp. in Kakamega forest, Kenya (Master's thesis, co-supervisor Bärbel Bleher, Universität Mainz and University of Nairobi, 2004).
6. Stefanie Jung: Bestäubungsökologie des diözischen Baumes *Commiphora harveyi* in Südafrika (Staatsexamensarbeit, Universität Mainz, 2003).

5. Nina Farwig: Bestäubungsökologie des diözischen Baumes *Commiphora guillauminii* (Burseraceae) auf Madagaskar (Diplomarbeit, Universität Marburg and Universität Mainz, 2002).
4. Friederike Voigt: Einfluss von Samenausbreitern auf die Häufigkeit von Fruchttypen in tropischen Baumgemeinschaften (Diplomarbeit, Universität Marburg and RWTH Aachen, 2001).
3. Marita Schuda: Ökomorphologie tropischer und temperater Arten der Grasmücken (Gattung *Sylvia*) (Diplomarbeit, RWTH Aachen, 2001).
2. Nicole Lemoine: Einfluss von Klimafaktoren auf die Zusammensetzung europäischer Vogelgemeinschaften (Diplomarbeit, RWTH Aachen, 2000).
1. Reik Oberrath: Blütenökologie beim Hügel-Lungenkraut (*Pulmonaria collina*) (Diplomarbeit, Universität Tübingen, 1996).

PhD theses:

26. Joel Methorst: Influence of species diversity on human well-being (co-supervisors A. Bonn, K. Rehdanz, T. Müller; 2016 - 2020).
25. Marta Quitián: Experimental plant-frugivore interaction networks along elevational and land-use gradients in the Andes (co-supervisors Eike-Lena Neuschulz and Matthias Schleuning; University of Frankfurt, 2014 – 2018).
24. Vinicio Santillán: Bird communities and seed dispersal networks along elevational and land-use gradients in the Andes (co-supervisor Eike-Lena Neuschulz; University of Frankfurt, since 2014).
23. Maximilian Vollstädt: Functional diversity and mutualistic interactions of birds (co-supervisor Matthias Schleuning; University of Frankfurt, 2013 - 2018).
22. Ugo Arbieu: Potential influence of climate and land-use change on large mammal densities in African National Parks (University of Frankfurt, 2013 - 2017).
21. Marcia Muñoz Neyra: Plant frugivore networks under global change in a tropical Andean forest (co-supervisor Matthias Schleuning, University of Frankfurt, 2010-2017).
20. Claudia Grünwald: Potential influence of climate change on large mammal densities and tourism in African National Parks (University of Frankfurt, 2010 - 2015).
19. Imran Khaliq: Physiological temperature niche and geographic ranges of birds (co-supervisors Markus Pfenninger and Christian Hof, University of Frankfurt, 2011 - 2014)
18. Hamadi Iddi Dulle: Impact of climate change and human disturbance on forest birds of Mount Kilimanjaro (co-supervisor Christian Hof, University of Frankfurt, 2011 - 2015).
17. Stefan Ferger: Influence of climatic factors and land-use on diversity and ecosystem function of birds on Mount Kilimanjaro (University of Frankfurt, 2010 - 2014).
16. Maria Maglianesi: Understanding patterns and processes in plant–hummingbird mutualistic networks in the Neotropics (co-supervisor Matthias Schleuning, University of Frankfurt, 2010 - 2014).
15. Matthias Dehling: Seed dispersal networks and functional diversity of birds and plants along an altitudinal gradient in the tropical Andes (co-supervisor Matthias Schleuning, University of Frankfurt, 2009 - 2014).
14. Baptiste Schmid: Animal pollination and plant fecundity in South African Fynbos: the Protea bird system (co-supervisor Matthias Schleuning, University of Frankfurt, 2010 - 2014).
13. Johanna Lenz: Movement patterns of Trumpeter Hornbills (*Ceratogymna bucinator*) in a fragmented landscape (University of Frankfurt, 2009 - 2012).
12. Ronald K. Mulwa: Spatial and temporal fluctuations in bird communities along forest-farmland gradient in Western Kenya (co-supervisor Matthias Schleuning, University of Frankfurt, 2008 - 2011).
11. Irina Laube: Avian range dynamics: traits, biotic interactions and niches in a changing environment (University of Frankfurt, 2007 - 2011).
10. Nils Breitbach: The impact of land-use intensification on pollination and seed-dispersal interactions in the wild cherry (*Prunus avium*) (University of Frankfurt, 2007 - 2011).
9. Dana Berens: Assessing the consequences of contagious seed shadows for demography and genetic patterns in the endangered tree *Prunus africana* (Universität Mainz, 2005 – 2010; PhD with interruptions).
8. Daniel Kissling: Macroecology of avian frugivore diversity (Universität Mainz, 2005 - 2008).

7. Jasper M. Kirika: Frugivores, seed dispersal and tree regeneration along a human disturbance gradient in East African tropical rainforests (Universität Mainz, 2004 - 2007).
6. Nina Farwig: Impact of forest fragmentation and disturbance on the endangered tropical tree *Prunus africana* (Rosaceae) (Universität Mainz, 2002 - 2005).
5. Nicole Lemoine: Influence of habitat and climate change on European bird communities (Universität Mainz, 2001 - 2005).
4. Friederike Voigt: Influence of pollination and seed dispersal on the genetic population structure of two *Commiphora* species in Madagascar and South Africa (Universität Mainz, 2001 - 2005).
3. Hans-Christian Schaefer: The life histories of the two tropical warblers *Sylvia boehmi* and *Sylvia lugens* (Universität Mainz, 2001 - 2004).
2. Reik Oberrath: Seed dispersal by ants and its consequences for the phenology of plants – A study system for mutualistic animal-plant interactions (RWTH Aachen, 1997 – 2000).
1. Bärbel Bleher: Seed dispersal and frugivory: ecological consequences for tree populations and bird communities (RWTH Aachen, 1997 – 2000).

External evaluator of PhD theses:

- Sarah Whitmee: Dispersal ability and ranges of mammals (Imperial College London, Silwood Park, 2012).
- Irina Lewinsky: Impact of climate change on species ranges, past and future (Copenhagen, Denmark, 2010).
- Anders Tøttrup: The impact of climate change on phenology in migratory birds (Copenhagen, Denmark, 2009).

Postdoctoral researchers:

18. Dr. Maíra Cardoso: Social-ecology of islands (since 2021).
17. Dr. Alke Voskamp: Site selection tools for conservation (since 2019).
16. Dr. Jörg Albrecht: Mutualistic plant-animal interaction networks along climatic and land-use gradients on Mt. Kilimanjaro (since 2017).
15. Dr. Katja Schiffers: Biodiversity modelling (2014 - 2018); present position: researcher at University of Bonn.
14. Dr. Diana Bowler: Cross-taxon analyses of long-term population trends under climate change (2014 - 2017); present position: interdisciplinary scientist at UK Centre for Ecology & Hydrology
13. Dr. Eike Lena Neuschulz: Ecosystem functions and services of birds (since 2011); present position: senior scientist at Senckenberg BiK-F.
12. Prof. Dr. Thomas Mueller: Movement ecology of birds (2011 - 2012); present position: professor at Senckenberg BiK-F and Goethe University.
11. Prof. Dr. Christian Hof: Macroecology of ecological niches, ranges and diversity of birds (2011 - 2018); present position: Professor for Global Change Ecology, Universität Würzburg.
10. Prof. Dr. Susanne Fritz: Evolution of avian diversity (2011 - 2014); present position: Leibniz professor at Senckenberg BiK-F and Goethe University.
9. PD Dr. Matthias Schleuning: Biotic interaction networks (2008 – 2009, since 2010); present position: senior scientist at Senckenberg BiK-F.
8. Dr. Marc Niggemann: Movement patterns and home-ranges of birds in relation to land-use (2009 - 2011); present position: School headmaster.
7. Dr. Monika Schwager: Modeling bird responses to climate and land-use change (2008 - 2011); present position: Senior Biometrician in medical research.
6. Prof. Dr. Nina Farwig: Influence of human disturbance on seed dispersal and forest regeneration in East African rain forests (2005 – 2007); present position: professor at Universität Marburg.
5. Dr. Hans-Christian Schaefer: Life-histories and migratory behavior of birds under different environmental scenarios (2004 – 2007); present position: abstractor at Deutsche Bundesstiftung Umwelt.
4. Dr. Gudrun Hilgerloh: Influence of the Atlas Mountains on the migration routes of Palearctic songbirds (2002 - 2004); present position: private researcher on bird ecology and migration.
3. Prof. Dr. Andreas Prinzing: Influence of disturbance on mutualistic animal-plant interactions (2002 – 2003); present position: professor at University of Rennes, France.

2. Dr. Bärbel Bleher: Human disturbance, seed dispersal and tree regeneration in Kakamega Forest, Kenya (2001 - 2004); present position: scientific organization, Karlsruhe Institute of Technology.
1. Prof. Dr. Eva Maria Griebeler: Individual-based modeling of the evolution of the clutch size of birds (2001 - 2003); present position: senior lecturer at University of Mainz.

Guest scientists:

6. Dr. Shan Huang (Alexander von Humboldt Postdoctoral Fellow; 2015-2017).
5. Prof. Catherine Graham, USA: Community phylogenetics (Mercator Fellowship, DFG, 2012).
4. Jaroslav Koleček, MSc, Czech Republic: Comparing and evaluating the efficiency of national legislations in protecting threatened European bird species (DBU stipend; 2011).
3. Jiří Reif, PhD, Czech Republic: Environmental change, traits, and population trends of German and Czech birds (DAAD stipend; 2009).
2. Prof. Ran Nathan, Israel: Gene dispersal and gene flow in tropical trees (Humboldt Foundation, Friedrich Wilhelm Bessel-Award; 2006).
1. Hernán Cofré, PhD, Chile: Traits and rarity of Chilean forest birds (DAAD stipend; 2004).

Activities at the science-society and science-policy interface

Political and societal recommendations

- Rat für Nachhaltige Entwicklung, Nationale Akademie der Wissenschaften Leopoldina (2021) *Klimaneutralität – Optionen für eine ambitionierte Weichenstellung und Umsetzung*. **K. Böhning-Gaese** member of working group.
- Nationale Akademie der Wissenschaften Leopoldina (2021) *Den offenen Zugang zu Digitalen Sequenzinformationen erhalten - Multilateraler Vorteilsausgleich und offene Wissenschaft*. **K. Böhning-Gaese** member of working group.
- G7-Science Academies Statement (2021): *Reversing biodiversity loss – the case for urgent action*. G7 Summit, Cornwall. **K. Böhning-Gaese** member of working group.
- Nationale Akademie der Wissenschaften Leopoldina, acatech – Deutsche Akademie der Technikwissenschaften, Union der deutschen Akademien der Wissenschaften (2020): *Biodiversität und Management von Agrarlandschaften – Umfassendes Handeln ist jetzt wichtig*. Halle, Saale. **K. Böhning-Gaese** spokesperson of working group.
- G7-Science Academies Statement (2020): *Global Insect Declines and the Potential Erosion of Vital Ecosystem Services*, G7 Summit, Washington. **K. Böhning-Gaese** member of working group.
- German National Academy of Sciences Leopoldina, acatech – National Academy of Science and Engineering, Union of German Academies of Sciences and Humanities (2018): *Species decline in the agricultural landscape: What do we know and what can we do?* Halle, Saale. **K. Böhning-Gaese** spokesperson of working group.

Publications at the science-policy and science-society interface

- **Böhning-Gaese, K.**, A.-M. Klein, S. Lakner, and R. Seppelt (2021): Gemeinsam Lösungen finden. Der Schutz der Biodiversität und das Management von Agrarlandschaften brauchen wissenschaftliche Evidenz und Dialog, nicht Polarisierung. Eine Entgegnung. *DLG-Mitteilungen* 11: 74-75.
- **Böhning-Gaese, K.** (2021): Ist die biologische Vielfalt verloren? Was wir wissen und was wir tun können. *Forschung & Lehre* 5|21, p. 352-354.
- **Böhning-Gaese, K.** (2021): Ein gesellschaftliches Umdenken ist nötig. *Ökologie & Landbau* 1: S. 42-44.
- **Katrin Böhning-Gaese** member of editorial team for “*Leitbild Leibniz-Wissenstransfer*” (2019). Leibniz Gemeinschaft.
- Kühn, I., S. Pompe, S. Trautmann, **K. Böhning-Gaese**, F. Essl, and W. Rabitsch (2013): Klimawandeleffekte morgen: Was könnte noch kommen? In: Essl, F., Rabitsch, W., (Eds.): *Biodiversität und Klimawandel - Auswirkungen und Handlungsoptionen für den Naturschutz in Mitteleuropa*. Springer: 86-101.
- Vohland, K., F. Badeck, **K. Böhning-Gaese**, G. Ellwanger, J. Hanspach, P. L. Ibisch, S. Klotz, S. Kreft, I. Kühn, E. Schröder, S. Trautmann, and W. Cramer (eds) (2013): Schutzgebiete Deutschlands im Klimawandel – Risiken und Handlungsoptionen. Ergebnisse eines F+E-Vorhabens (FKZ 806 82 270). *Naturschutz und Biologische Vielfalt*, Heft 129, Bundesamt für Naturschutz.
- Vohland, K., **K. Böhning-Gaese**, G. Ellwanger, J. Hanspach, P. L. Ibisch, S. Klotz, S. Kreft, I. Kühn, and E. Schröder (2013): Schutzgebiete als Inseln im Klimastress? – Einleitung und Projektbeschreibung. P. 13-30 in: *Naturschutz und Biologische Vielfalt* 129, Bundesamt für Naturschutz.
- Trautmann, S., I. Laube, M. Schwager, and **K. Böhning-Gaese** (2013): Sind Vögel vom Klimawandel gefährdet? – Modellierung des Einflusses des Klimawandels auf Vögel. P. 103 – 121 in: *Naturschutz und Biologische Vielfalt* 129, Bundesamt für Naturschutz.
- Vohland, K., S. Kreft, P. L. Ibisch, I. Kühn, F. Badeck, **K. Böhning-Gaese**, J. Hanspach, S. Klotz, S. Trautmann, W. Cramer, and G. Ellwanger (2013): Fazit und Ausblick. P. 219 - 230 in: *Naturschutz und Biologische Vielfalt* 129, Bundesamt für Naturschutz.
- Trautmann, S., S. Lötters, J. Ott, J. Buse, K. Filz, D. Rödder, N. Wagner, A. Jaeschke, U. Schulte, M. Veith, E.-M. Griebeler, and **K. Böhning-Gaese** (2012) *Auswirkungen auf geschützte und schutzwürdige Arten*. P. 260 – 289 in: V. Mosbrugger, G. P. Brasseur, M. Schaller, and B.

Stribny (eds.) *Biodiversität und Klimawandel – Folgen für Deutschland*. Wissenschaftliche Buchgesellschaft, Darmstadt.

- Vohland, K., S. Kreft, F.-W. Badeck, **K. Böhning-Gaese**, W. Cramer, J. Hanspach, P. L. Ibisch, S. Klotz, I. Kühn, and S. Trautmann (2012) Spotlights on risks and policy options for Germany's protected areas under climate change. P. 67-68 in: H. Korn, K. Kraus, and J. Stadler (eds.) *Proceedings of the European Conference on Biodiversity and Climate Change – Science, Practice and Policy. BfN Skripten 310*, Bundesamt für Naturschutz.
- Streit, B., **K. Böhning-Gaese**, and V. Mosbrugger (2011): Eine globale Herausforderung und ein Forschungszentrum. *Biodiversität und Klima: Wandel in vollem Gange! Biologie in unserer Zeit* 41 (4): 248-255.
- Vohland, K., F. Badeck, **K. Böhning-Gaese**, J. Hanspach, S. Klotz, I. Kühn, I. Laube, M. Schwager, S. Trautmann, and W. Cramer (2011): Schutzgebiete im Klimawandel – Risiken für Schutzgüter. *Natur und Landschaft* 85: 204-213, Bundesamt für Naturschutz.
- Vohland, K., F. Badeck, **K. Böhning-Gaese**, J. Hanspach, P. Ibisch, S. Klotz, S. Kreft, I. Kühn, S. Trautmann, and W. Cramer (2010): Schutzgebiete Deutschlands im Klimawandel – Risiken und Handlungsoptionen. P. 21-22 in C. Eppele, H. Korn, K. Kraus, and J. Stadler (eds.): *Biologische Vielfalt und Klimawandel. BfN-Skripten 274*, Bundesamt für Naturschutz.
- Trautmann, S., **K. Böhning-Gaese**, I. Laube, F. Badeck, and M. Schwager (2010): Auswirkungen des Klimawandels auf Vögel. *Naturschutz und Biologische Vielfalt* 95: 149-160, Bundesamt für Naturschutz.
- **Böhning-Gaese, K.**, and S. Klimpel (2010): Wie ändert sich die Artenvielfalt? *Natur und Museum* 140: 232-233.
- Vohland, K., F. Badeck, **K. Böhning-Gaese**, A. Holstein, J. Hanspach, P. Ibisch, S. Klotz, S. Kreft, I. Kühn, I. Laube, A. Popp, and W. Cramer (2009): Ergebnisse aus dem Forschungsprojekt: "Schutzgebiete und Klimawandel" – ein Überblick über das Forschungsvorhaben Biodiversität und Klima - Vernetzung der Akteure in Deutschland IV, Insel Vilm, 14.-17.10.2007, *BfN-Skripten 246*, Bundesamt für Naturschutz, Bonn - Bad Godesberg, S. 9-10.
- **Böhning-Gaese, K.**, and S. Trautmann (2008): Neue Vögel aus dem Süden. *Der Falke* 55: 310-315.
- Farwig, N., and **K. Böhning-Gaese** (2008): Biologische Vielfalt in Ostafrika: Folgen von Landnutzung und Klimawandel. *Natur & Geist: Forschungsmagazin der Johannes Gutenberg-Universität Mainz* 1/2008: 70-73.
- Schaefer, H.-C., G. W. Eshiamwata, F. B. Munyekenye, and **K. Böhning-Gaese**: Tropical and temperate birds: What is the difference in raising young? *Kenya Birds* 11: 9-12.
- Badeck, F. W., **K. Böhning-Gaese**, W. Cramer, P. L. Ibisch, S. Klotz, S. Kreft, I. Kühn, K. Vohland, and U. Zander (2007): Schutzgebiete Deutschlands im Klimawandel – Risiken und Handlungsoptionen. *Naturschutz und Biologische Vielfalt* 46: 149-165, Bundesamt für Naturschutz.
- **Böhning-Gaese, K.** (2003): Zugvögel - Tropische Gäste im Abwind. *Biologenheute, Mitteilungen des Verbandes Deutscher Biologen und biowissenschaftlicher Fachgesellschaften* 4_2003: 2-9.
- **Böhning-Gaese, K.** (2000): What makes temperate and tropical warblers tick? *Kenya Birds* 8: 19-20.
- **Böhning-Gaese, K.**, and H.-G. Bauer (1998/1999): Änderungen in Häufigkeit, Verbreitung und Diversität der Brutvögel am Bodensee zwischen 1980-81 und 1990-92. In: G. Heine, H. Jacoby, H. Leuzinger, and H. Stark (eds.): *Die Vögel des Bodenseegebietes. Ornithologische Jahreshefte für Baden-Württemberg* 14/15: 33-52.
- **Böhning-Gaese, K.** (1998): Folgerungen für den Naturschutz aus langjährigen Vogelzählungen. P. 377-391 in: R. Dröschmeister and H. Gruttke (eds.): *Die Bedeutung ökologischer Langzeitforschung für Naturschutz. Schriftenreihe für Landschaftspflege und Naturschutz* 58, Bundesamt für Naturschutz, Bonn-Bad Godesberg, 435 S.

Public lectures and contribution to public debates

- Keynote talk, *10 Jahre Wissenschaftlicher Beirat für Waldpolitik*, BMEL, Berlin (2023).
- Plenary talk, *Wissenschaft beim Göttinger Literaturherbst* (2023).
- Keynote talk and Panel discussion „Biodiversitätskrise in den Medien“, *Wissenswertes*, Freiburg
- Keynote talk, *Parlamentarisches Frühstück*, Berlin, „Landwende: Wege und Zielkonflikte einer Transformation in der Agrarlandschaft“ (2023).
- Scientific reading, „Vom Verschwinden der Arten“, *Universität Heidelberg* (2023).
- Scientific reading, „Vom Verschwinden der Arten“, *Naturkundemuseum Stuttgart* (2023).
- Scientific reading, „Vom Verschwinden der Arten“, *IHK Karlsruhe* (2023).
- Plenary talk, *Frauenwerk der Nordkirche* (2023).
- Keynote talk, „Natur der Zukunft“, *22. Jahreskonferenz des RNE*, Berlin (2023).
- Plenary talk on "Natürlicher Klimaschutz" at *Opening Event of Kompetenzzentrum Natürlicher Klimaschutz*, Berlin (2023).
- Panel discussion on "Biodiversity and Ecosystem Services" at *STS Forum, Kyoto, Japan* (2023).
- Panel discussion, „Zukunft des Naturschutzes“, *30. Jubiläum BfN*, Bonn (2023).
- Scientific reading, „Vom Verschwinden der Arten“, *Soroptimist Club Frankfurt* (2023).
- Plenary talk, *Scientists for Future*, Göttingen (2023).
- Keynote talk, *Metzler SPOTs*, Senckenberg (2023).
- Panel discussion on "Klimajournalismus", *Frankfurter Presseclub* (2023).
- Panel discussion *KfW Zukunftstag* (2023).
- Keynote talk on "Valuing and protecting biodiversity", *Digisustain Conference*, Frankfurt (2023).
- Keynote talk and panel discussion "Raubbau an Gottes Garten", *Kirchentag Nürnberg* (2023).
- Plenary talk at Landfrauentag, *Hessentag*, Pfungstadt (2023).
- Panel discussion, Nachhaltigkeitsdialog 2023, *Leopoldina* (2023).
- Plenary talk, Wissenschaft im Sauriersaal, *Museum für Naturkunde*, Berlin (2023).
- Keynote talk, *BfN Gartengespräch*, Zoologischer Garten Leipzig (2023).
- Movie night „Heimat Natur“, *FEdA, Senckenberg Frankfurt* (2023).
- Keynote talk, „*Food for Biodiversity*“, Biodiversität im Lebensmittelsektor, Frankfurt (2023).
- Scientific reading, „Vom Verschwinden der Arten“, *Urania Berlin* (2023).
- Scientific reading, „Vom Verschwinden der Arten“, *Senckenberg Museum* (2023).
- Panel discussion, „Vom Verschwinden der Arten“, *Leipzig Book Fair* (2023).
- Panel discussion on "Biodiversity", Klimabuchmesse, *Leipzig Book Fair* (2023).
- Plenary talk, „Bedrohte Biodiversität: Wie werden wir natur-positiv?“ *KfW Managementtag* (2023).
- Plenary talk, „Biosphäre am Limit – unsere gemeinsame Verantwortung“, *Senckenberg* (2023).
- Plenary talk, *Die Familienunternehmer*, Frankfurt (2022).
- Keynote talk at "Bio ist die Antwort – Kongress 40 Jahre Naturland“, *Naturland*, Berlin (2022).
- Keynote talk and member of panel discussion on "Biodiversität verstehen und priorisieren!", *Haus am Dom*, Frankfurt (2022).
- Keynote talk in reflection week "Biodiversity – the other ecological crisis", *Taizé* (2022).
- Keynote talk at panel discussion on "monitoring of environmental dependencies, risks and impact, *1st Sustainability Standards Watchers Conference*, Frankfurt (2022).
- Keynote talk at panel discussion on "Biodiversität – Vom Wert der Vielfalt“, *Katholikentag*, Stuttgart (2022).
- Member of panel discussion on „Planetares Denken“, *Salon Sophie Charlotte, Berlin-Brandenburgische Akademie der Wissenschaften* (2022).
- Member of panel discussion on „Naturbasierte Lösungen für den Schutz von Klima und Artenvielfalt“, *MfN Berlin* (2022).
- Keynote talk, *Parlamentarischer Abend*, MfN Berlin, on "Auf dem Weg zur Weltnaturkonferenz – Wo stehen wir aus Sicht der Wissenschaft" (2022).
- Plenary talk at *Königsteiner Forum* (2022).
- Plenary talk at *U3L, Goethe University and Scientists for Future* (2022).
- Keynote talk at panel discussion on "Biodiversität – Vom Wert der Vielfalt" at *Katholische Akademie in Bayern* (2022).
- Plenary talk at *Senckenberg Förderverein* (2022).
- Plenary talk at *Konrad-Adenauer Stiftung* (2021).
- Plenary talk at *Volkshochschule Frankfurt am Main* (2021).

- Plenary talk at *Ornithologische Gesellschaft in Bayern* (2021).
- Member of panel discussion on “Wie retten wir die Artenvielfalt?“ *Leopoldina* (2021).
- Plenary talk at *Polytechnische Gesellschaft Frankfurt* (2021).
- Member of panel discussion, organized by *Goethe University* students, on “Klimawandel und Landnutzung” (2021).
- Member of panel discussion on “Biodiversität in der Krise?“ *Leopoldina* (2021).
- Plenary talk at *Staatliches Museum für Naturkunde Karlsruhe*, Karlsruhe (2020).
- Member of a panel discussion, organized by *Goethe University* students, on “Klimawandel – Sind wir noch zu retten?“ (2020).
- Member of panel discussion on “Making Crises Visible - Krise der Demokratie, *Goethe Bürgeruniversität* (2020).
- Keynote talk at final public debate of the „Semesterfrage: Wie schützen wir die Artenvielfalt?“ *University of Vienna* (2020).
- Member of panel discussion on “Wie wir das Artensterben verhindern können” *Wissenwerte, Konferenz für Wissenschaftsjournalismus*, Bremen (2019).
- Member of panel discussion on “Auswirkungen des Klimawandels auf unserer Natur“. *Heinz Sielmann Stiftung*, Frankfurt (2019).
- Member of panel discussion on “Wer beeinflusst die öffentliche Meinung? Deutungshoheit oder Definitionsmacht von Wissenschaft, Ökonomie und Kunst“. *Frankfurter Kunstverein* (2019).
- Plenary talk „Biodiversität und IPBES“ at “*Entwicklungspolitisches Forum“ der KfW* (2019).
- Member of panel discussion on “Diversity: Why does it matter?“. “*meConvention*“, Deutsches Filmmuseum, Frankfurt (2019).
- Plenary talk on “Artensterben: was wissen wir und was können wir tun?“ *Deutsche Bischofskonferenz* (2019).
- Plenary talk on “Artensterben und Klimawandel: Was wissen wir und was können wir tun?“ *Sommerempfang der Grünen*, Frankfurt (2019).
- Member of panel discussion on “Artenvielfalt, Landwirtschaft und Künstliche Intelligenz – wie geht das zusammen?“ (2019). *Leopoldina*, Halle.
- Member of panel discussion on nature conservation: “Warum handeln wir nicht, obwohl wir so viel wissen?“ (2019). *Senckenberg*.
- Member of panel discussion on “Klimaoase Frankfurt” (2018). *City of Frankfurt*.
- Member of panel discussion on “Rolle der Wissenschaft für unsere Zukunft” (2018). *Senckenberg*.
- Speaker on March for Science Frankfurt (2018).
- Member of panel discussion on “Biodiversität: Herausforderung und Chance für Politik und Gesellschaft” (2017). *Mainzer Academy of Sciences and Literature*.
- Member of panel discussion on “Chancen und Risiken der Digitalisierung” (2017). *Senckenberg*.
- Member of panel discussion on “Artenschutz in Frankfurt” (2017). *Frankfurter Rundschau*.
- Member of panel discussion on “Rolle der Forschungsmuseen für unsere Zukunft” (2017). *Leibniz Gemeinschaft*, Berlin.
- Plenary talk at *Arbeitskreis für Vogelkunde und Vogelschutz*, Stuttgart (2013)
- Plenary talk at *Züricher Botanische Gesellschaft*, Zürich (2012).
- Plenary talk at *Polytechnische Gesellschaft Frankfurt* (2012).
- Plenary talk at *Hessische Gesellschaft für Ornithologie und Naturschutz*, Hofheim (2011).
- Plenary talk at *NABU Rheinhessen-Nahe*, Ingelheim (2008).
- Plenary talk at *Arbeitsgruppe Artenschutz in Thüringen*, Bad Blankenburg (2006).
- Plenary talk at *Schülerforum Biologie*, Mainz (2004).
- Plenary talk at *Ornithologische Gesellschaft in Bayern*, München (2003).
- Plenary talk at *Rheinische Naturforschende Gesellschaft*, Mainz (2002).
- Plenary talk at *Naturschutzbund Deutschland*, Gut Sunder, Celle (1997).
- Plenary talk at *Landesbund für Vogelschutz in Bayern*, Lindenhof, Bayreuth (1996).

National Media interviews (selection, past 5 years)

- *Markus Lanz*, 14.9.2023, ZDF (2023)
- *ProSieben*, „Green Seven Report - Wie die Natur uns vor dem Klimawandel schützt“ (2023)
- *SWR Leute*, „Biologin: So gefährlich ist Artensterben für die Menschheit“, SWR1 (2023)

- *Welt Interview*, „Viele Tiere und Pflanzen verschwinden unauffällig“ (2023)
- *zeit.online Interview* „Zehn Prozent Deutschlands als Wildnis, das wünsche ich mir“ (2023)
- *Spiegel Interview* „Das Artensterben gefährdet unseren Wohlstand“ (2022)
- *ARD Tagesschau*, 13.12.2022, „Katrin Böhning-Gaese zur Rolle des Artenschutzes“ (2022)
- *Stern Interview*, Ist das Massenaussterben zu stoppen? „Montreal hat eine immense Bedeutung, eine viel größere als die Klimakonferenz“ (2022)
- *ZDF, ZDFzeit*, TV-Sendung „Artensterben in Deutschland – Die Fakten mit Kai Kupferschmidt“ (2022)
- *ZDF, Terra-X - die Wissens-Kolumne*, „Warum Zugvögel Wächter für uns Menschen sind“ (2022)
- *Deutschlandfunk Kultur*, Radio-Sendung, „Verlust der Biodiversität. Schlimmer als die Klimakrise“ (2022)
- *Bild der Frau*, Die tun etwas! „Die Letzten ihrer Art und wie wir sie noch retten können! (2022)
- *ARD Tagesschau*, 10.10.2021, 20:15 Nachrichten, „Deutscher Umweltpreis: Auszeichnung für Arten- und Moorschutz“ (2021)
- *3sat NANO spezial vom 8. Oktober: 2021 zum Deutschen Umweltpreis* (2021)
- *1,5 Grad – der Klima-Podcast mit Luisa Neubauer*, „Was hat die Klimakrise mit der Pandemie zu tun?“ (2021)
- *tagesschau24.de*, TV-Sendung Nachrichten, „Vogelsterben auf dem Acker“ (2021)
- *zeit.online Interview* „Artenvielfalt: Wir brauchen die Natur zu unserem Glück“ (2021)
- *Deutschlandfunk Nova*, Radio-Sendung Hörsaal, „Vögel machen uns glücklich“ (2021)
- *DIE ZEIT Newsletter*, „3 ½ Fragen an Katrin Böhning-Gaese“ (2020)
- *ZDF*, TV-Sendung heute am Mittag, „Stellungnahme zur EU-Agrarpolitik“ (2020)
- *Süddeutsche Zeitung*, „Stellungnahme zu Agrarlandschaften: Überraschende Vehemenz“ (2020)
- *radioEins*, Radio-Sendung Die Profis, „Der Wert der Natur am Kilimandscharo“ (2020)
- *a tempo*, „Im Gespräch mit Katrin Böhning-Gaese: Vielfalt ist Leben“ (2019)
- *ZDF*, TV-Sendung planet e. „Artenschutz Extrem – Erhalt um jeden Preis?“ (2019)
- *Deutschlandfunk*, Radio-Sendung Forschung aktuell, „Leben im Jahr 2040: Vorm Kaffee noch kurz den Algenreaktor anwerfen“ (2019)
- *Frankfurter Allgemeine Zeitung*, „Earth Overshoot Day: Die Ressourcen sind aufgebraucht“ (2019)
- *Deutschlandfunk*, Radio-Sendung Zeitfragen, „Das Gefüge zerfällt“ (2018)
- *Deutschlandradio*, Radio-Sendung Forschung Aktuell, „Artensterben und Ökosysteme: Verlust der Artenvielfalt wie seit Jahrzehnten nicht mehr“ (2018)
- *hrinfo*, Radio-Sendung hr Funkkolleg, „Wem gehört die Natur?“ (2018)

Responsibility for museum exhibitions/galleries

- **“Bending the curve – Knowing, Acting, Caring for Biodiversity”**, Frankfurter Kunstverein (2023), co-created with Franziska Nori, Director Frankfurter Kunstverein.
- **„Korallenriffe“** (2021), Senckenberg, in collaboration with Philippe Havlik, Stefanie Raddatz
- **„Flüsse“** (2021), Senckenberg, in collaboration with Stefanie Klein, Martin Cepek
- **“Tiefsee und Meeresforschung”** (2020), Senckenberg, in collaboration with Thorolf Müller, Martin Cepek
- **“BioKompass”** (2019), Senckenberg, in collaboration with Christina Höfling, Eva Roßmanith
- **“Faszination Vielfalt”** (2017), Senckenberg, in collaboration with Thorolf Müller, Martin Cepek.

Publications

h Factor 63 (Web of Science™ Core Collection), 13,046 citations,
h Factor 80 (Google Scholar), 20,621 citations, both 22.12.2023
 ORCID identifier: 0000-0003-0477-5586; ResearcherID W-2601-2019

Theses:

- Böhning-Gaese, K.** (1999): Mikro- und makroökologische Ansätze zum Verständnis von Artengemeinschaften. Habilitation, Universität Tübingen.
- Böhning-Gaese, K.** (1993): Ursachen für langfristige Bestandsentwicklungen europäischer und nordamerikanischer Singvögel in kontinentalem Maßstab. PhD thesis, Universität Tübingen.
- Böhning-Gaese, K.** (1990): Zur Nahrungsökologie des Weißstorchs (*C. ciconia* L.) in Oberschwaben. Diploma thesis, Universität Tübingen.

Books:

K. Böhning-Gaese und F. Bauer (2023): Vom Verschwinden der Arten. Der Kampf um die Zukunft der Menschheit. Klett-Cotta Verlag, Stuttgart.

Publications and book chapters with peer-review:

234. Geschke, J., M. C. Rillig, **K. Böhning-Gaese**, T. Potthast, A. Arth, L. V. Dicks, F. Habekuss, D. Kleinschmit, H. Lesch, E. M. Spehn, S. Wenzel, M. Fischer, and A.-M. Klein (2023): Science journalism and a multi-directional science-policy-society dialogue are needed to foster public awareness for biodiversity and its conservation. *PLOS Sustainability and Transformation* 2: e0000083. **[Impact factor 2022: n.a.]**
233. Voskamp, A., S. A. Fritz, V. Köcke, M. F. Biber, T. Nogueira Brockmeyer, B. Bertzky, M. Forrest, A. Goldstein, S. Henderson, T. Hickler, C. Hof, T. Kastner, S. Lang, P. Manning, M. B. Mascia, I. R. McFadden, A. Niamir, M. Noon, B. O'Donnell, M. Opel, G. Schwede, P. West, C. Schenck, and **K. Böhning-Gaese** (2023): Utilizing multi-objective decision support tools for protected area selection. *One Earth* 6: 1143-1156. **[Impact factor 2022: 16.2]**
232. Arbieu, U., J. Albrecht, **K. Böhning-Gaese**, L. Lehnen, M. Schleuning, and T. Müller (2023): The attitudinal space framework: Embracing the multidimensionality of attitudinal diversity. *iScience* 26: 107340. **[5.8]**
231. Tydecks, L., J. A. Hernández-Agüero, **K. Böhning-Gaese**, V. Bremerich, J. M. Jeschke, B. Schütt, C. Zarfl, and K. Tockner (2023): Oases in the Sahara desert – linking biological and cultural diversity. *Plos One* 18: e0290304. **[3.7]**
230. Schleuning, M., J. Frund, O. Schweiger, E. Welk, J. Albrecht, M. Albrecht, M. Beil, G. Benadi, N. Bluthgen, H. Bruelheide, **K. Böhning-Gaese**, D. M. Dehling, C. F. Dormann, N. Exeler, N. Farwig, A. Harpke, T. Hickler, A. Kratochwil, M. Kuhlmann, and C. Hof (2023): Animal functional traits: Towards a trait-based ecology for whole ecosystems. *Functional Ecology* 37: 791-791. **[5.2]**
229. Martins, L. P. ..., **K. Böhning-Gaese**, ..., and J. M. Tylianakis (2022): Global and regional ecological boundaries explain abrupt spatial discontinuities in avian frugivory interactions. *Nature Communications* 13: 6943. **[16.6]**
228. Voskamp, A., C. Hof, M. F. Biber, **K. Böhning-Gaese**, T. Hickler, A. Niamir, S. G. Willis, and S. A. Fritz (2022): Projected climate change impacts on the phylogenetic diversity of the world's terrestrial birds: more than species numbers. *Proceedings of the Royal Society B*: 20212184. **[4.7]**
227. Jetz, W., ..., **K. Böhning-Gaese**, ..., and C. Zook (2022): Biological Earth observation with animal sensors. *Trends in Ecology & Evolution* 37: 719-724. **[16.8]**
226. Tobias, J. A., ..., **K. Böhning-Gaese**, ..., and M. Schleuning (2022): AVONET: morphological, ecological and geographical data for all birds. *Ecology Letters* 25: 581-597. **[8.8]**
225. Nowak, L., M. Schleuning, M. A. Bender, **K. Böhning-Gaese**, D. M. Dehling, S. A. Fritz, W. D. Kissling, T. Mueller, E. L. Neuschulz, A. L. Pigot, M. C. Sorensen, and I. Donoso (2022): Avian seed dispersal may be insufficient for plants to track future temperature change on tropical mountains. *Global Ecology and Biogeography* 31: 848-860. **[6.4]**

224. Ziegler, A., H. Meyer, I. Otte, M. K. Peters, T. Appelhans, C. Behler, **K. Böhning-Gaese**, A. Classen, F. Detsch, J. Deckert, C. D. Eardley, S. W. Ferger, M. Fischer, F. Gebert, M. Haas, M. Helbig-Bonitz, A. Hemp, C. Hemp, V. Kakengi, A. V. Mayr, C. Ngereza, C. Reudenbach, J. Roeder, G. Rutten, D. S. Schellenberger Costa, M. Schleuning, A. Ssymank, I. Steffan-Dewenter, J. Tardanico, M. Tschapka, M. G. R. Vollstaedt, S. Woellauer, J. Zhang, R. Brandl, and T. Nauss (2022): Potential of airborne LiDAR derived vegetation structure for the prediction of animal species richness at Mount Kilimanjaro. *Remote Sensing* 14: 786. **[5.0]**
223. Lehnen, L., U. Arbieu, **K. Böhning-Gaese**, S. Diaz, J. A. Glikman and T. Mueller (2022): Rethinking individual relationships with entities of nature. *People and Nature*: 4: 596-611. **[6.1]**
222. Vogeler, A. V. B., I. Otte, S. Ferger, M. Helbig-Bonitz, A. Hemp, T. Nauss, **K. Böhning-Gaese**, M. Schleuning, M. Tschapka, and J. Albrecht (2022): Associations of bird and bat species richness with temperature and remote sensing-based vegetation structure on a tropical mountain. *Biotropica* 54: 135-145. **[2.1]**
221. Wallis, C. I. B., Y. C. Tiede, E. Beck, **K. Böhning-Gaese**, R. Brandl, D. A. Donoso, C. I. Espinosa, A. Fries, J. Homeier, D. Inclan, C. Leuschner, M. Maraun, K. Mikolajewski, E. L. Neuschulz, S. Scheu, M. Schleuning, J. P. Suarez, B. A. Tinoco, N. Farwig, and J. Bendix (2021): Biodiversity and ecosystem functions depend on environmental conditions and resources rather than the geodiversity of a tropical biodiversity hotspot. *Nature Scientific Reports* 11: 24530 **[4.6]**.
220. Mupepele, A. C., H. Bruelheide, C. Brühl, J. Dauber, M. Fenske, A. Freibauer, B. Gerowitt, A. Krüß, S. Lakner, T. Plieninger, T. Pothast, S. Schlacke, R. Seppelt, H. Stützel, W. Weisser, W. Wägele*, **K. Böhning-Gaese***, and A. M. Klein* (2021): Biodiversity in European agricultural landscapes: transformative societal changes needed. *Trends in Ecology & Evolution* 36: 1067-1070. *Shared last authorship of the three spokespersons of the working group. **[16.8]**
219. Albrecht, J., Peters, M., Becker, J. N., Behler, C., Classen, A., Ensslin, A., Ferger, S. W., Gebert, F., Gerschlauser, F., Helbig-Bonitz, M., Kindeketa, W. J., Kuehnel, A., Mayr, A. V., Njovu, H. K., Pabst, H., Pommer, U., Roeder, J., Rutten, G., Schellenberger Costa, D., Sierra-Cornejo, N., Vogeler, A., Vollstaedt, M. G. R., Dulle, H., Eardley, C. D., Howell, K. M., Keller, A., Peters, R. S., Kakengi, V., Hemp, C., Zhang, J., Manning, P., Mueller, T., Bogner, C., **Böhning-Gaese, K.**, Brandl, R., Hertel, D., Huwe, B., Kiese, R., Kleyer, M., Leuschner, C., Kuzyakov, Y., Nauss, T., Tschapka, M., Fischer, M., Hemp, A., Steffan-Dewenter, I., and M. Schleuning (2021): Species richness is more important for ecosystem functioning than species turnover along an elevational gradient. *Nature Ecology & Evolution* 5: 1582–1593. **[16.8]**
218. Langer, L., Burghardt, M., Borgards, R., **Böhning-Gaese, K.**, Seppelt, R., and C. Wirth (2021): The rise and fall of biodiversity in literature: A comprehensive quantification of historical changes in the use of vernacular labels for biological taxa in Western creative literature. *People and Nature* 3: 1093-1109. **[6.1]**
217. Byamungu, R. M., Schleuning, M., Ferger, Stefan W., Helbig-Bonitz, M., Hemp, A., Neu, A. Vogeler, A., **Böhning-Gaese, K.**, Tschapka, M., and J. Albrecht (2021): Abiotic and biotic drivers of functional diversity and functional composition of bird and bat assemblages along a tropical elevation gradient. *Diversity and Distributions* 27: 2344-2356. **[4.6]**
216. Methorst, J., A. Bonn, M. Marselle, **K. Böhning-Gaese**, and K. Rehdanz (2021): Species richness is positively related to mental health – A study for Germany. *Landscape and Urban Planning* 211: 104084. **[9.1]**
216. Dehling, D. M., Bender, I. M. A., Blendinger, P. G., **Böhning-Gaese, K.**, Muñoz, M. C., Neuschulz, E. L., Quitián, M., Saavedra, F., Santillán, V., Schleuning, M., and D. B. Stouffer (2021): Specialists and generalists fulfil important and complementary functional roles in ecological processes. *Functional Ecology* 35: 1810-1821. **[5.2]**
214. Marselle, M. R., T. Hartig, D. T. C. Cox, S. de Bell, S. Knapp, S. Lindley, M. Triguero-Mas, **K. Böhning-Gaese**, M. Braubach, P. A. Cook, S. de Vries, A. Heintz-Buschart, M. Hofmann, K. N. Irvine, N. Kabisch, F. Kolek, R. Kraemer, I. Markevych, D. Martens, R. Mueller, M. Nieuwenhuijsen, J. M. Potts, J. Stadler, S. Walton, S. Warber, and A. Bonn (2021): Pathways linking biodiversity to human health: A conceptual framework. *Environment International*: 150, 106420. **[11.8]**
213. Eyres, A., J. T. Eronen, O. Hagen, **K. Böhning-Gaese**, and S. A. Fritz (2021) Climatic effects on niche evolution in a passerine bird clade depend on paleoclimate reconstruction method.

- Evolution* 75: 1046-1060. [3.3]
212. Methorst, J., K. Rehdanz, T. Müller, B. Hansjürgens, A. Bonn, and **K. Böhning-Gaese** (2021): The importance of species diversity for human well-being in Europe. *Ecological Economics* 181: 106917. [7.0]
211. Bendix, J., N. Aguire, E. Beck, A. Brauning, R. Brandl, L. Breuer, **K. Böhning-Gaese**, M. D. de Paula, T. Hickler, J. Homeier, D. Inclan, C. Leuschner, E. L. Neuschulz, M. Schleuning, J. P. Suarez, K. Trachte, W. Wilcke, D. Windhorst, and N. Farwig (2021): A research framework for projecting ecosystem change in highly diverse tropical mountain ecosystems. *Oecologia* 195: 589-600. [2.7]
210. Mallon, J. M., ..., **K. Böhning-Gaese**, ...and W. F. Fagan (2020): Diurnal timing of nonmigratory movements by birds: the importance of foraging spatial scales. *Journal of Avian Biology* 51: e02612. [1.7]
209. Vollstädt, M. G. R., J. Albrecht, **K. Böhning-Gaese**, A. Hemp, K. M. Howell, L. Kettering, A. Neu, E. L. Neuschulz, M. Quitián, V. E. Santillán, T. Töpfer, M. Schleuning, and S. A. Fritz (2020): Direct and plant-mediated effects of climate on bird diversity in tropical mountains. *Ecology and Evolution* 10: 14196-14208. [2.6]
208. Eyres, A., **K. Böhning-Gaese**, C. D. L. Orme, C. Rahbek, and S. A. Fritz (2020): A tale of two seasons: The link between seasonal migration and climatic niches in passerine birds. *Ecology and Evolution* 10: 11983-11997. [2.6]
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