

# CURRICULUM VITAE: W. Daniel Kissling

(last update: 2<sup>nd</sup> January 2021)



## RECENT HIGHLIGHTS:

1. Scientific coordinator of the [LifeWatch-ERIC Virtual Laboratory Innovation Center \(LW-VLIC\)](#)
2. Scientific director and project leader of the [Netherlands Infrastructure for Ecosystem and Biodiversity Analysis: Authoritative and Rapid Identification System for Essential biodiversity information \(NIEBA ARISE\)](#)
3. PI, Co-PI and work package leader in several research projects (eEcoLiDAR, EuropaBON, LidarAirCloud, Global Ecology & Biodiversity, Vulnerability of Arctic migratory birds)
4. Seven papers in *Nature* journals (2 × *Nature Ecology & Evolution*, 3 × *Nature Communications*, *Nature Geosciences*, *Nature Plants*)
5. Currently involved in projects amounting >20 million Euros for biodiversity and ecosystem research
6. Coordinator of BSc course *Biodiversity & Global Change* and MSc course *Global Ecology & Biodiversity*

KEYWORDS: Biodiversity, ecological informatics, functional trait ecology, global change, macroecology, species interactions

BIOSKETCH: I am an Associate Professor of Quantitative Biodiversity Science at the University of Amsterdam, the Netherlands. My main interest is in data-intensive biodiversity science, especially in the fields of macroecology, biogeography, biodiversity monitoring and global change (past, present, future). In my work I aim to understand what determines the broad-scale distribution of biodiversity, i.e. taxonomic, functional, phylogenetic and interaction diversity across space and time. I am particularly interested in the way how environmental factors, species interactions, functional traits, human impacts, and evolutionary history influence species distributions and the structure and assembly of biological communities. In most of my work, I take advantage of recent developments in technology, computing, statistics, data availability, and ecological modelling. I am also interested in the interoperability of biodiversity research infrastructures and other aspects of data science (e.g. data and metadata standards, workflows for data integration, controlled vocabularies, semantics). I supervise BSc, MSc and PhD students and Postdocs and I teach courses, coordinate research projects, and take responsibility in national and international committees and organisations.

## PERSONAL DATA:

- Born in Göppingen, Germany (1975)
- German nationality
- Have been living in Germany, New Zealand, USA, Denmark, and now in The Netherlands
- Married, two children (5 and 8 years)

## PROFESSIONAL CONTACT INFORMATION:

Institute for Biodiversity and Ecosystem Dynamics (IBED)  
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E-mail: [wdkissling@gmail.com](mailto:wdkissling@gmail.com)

#### CURRENT POSITION:

- **Associate Professor in Quantitative Biodiversity Science**, especially macroecology and biogeography, University of Amsterdam (2014–present). Head of the Biogeography & Macroecology (BIOMAC) lab (<https://www.biomac.org/>).
- **Scientific Coordinator** of the LifeWatch-ERIC Virtual Laboratory Innovation Center (LW-VLIC).
- **Scientific Director** and project leader of the Netherlands Infrastructure for Ecosystem and Biodiversity Analysis: Authoritative and Rapid Identification System for Essential biodiversity information (NIEBA ARISE)

#### PREVIOUS POSITIONS:

- Assistant professor, Department of Bioscience, Aarhus University, Denmark (2012–2013)
- Postdoc, Department of Bioscience, Aarhus University, Denmark (2010–2011), with Jens-Christian Svenning
- Postdoc, Ecology Behavior & Evolution Section, University of California, San Diego, USA (2008–2009), with Walter Jetz
- Research fellow (PhD research, 50% position), Department of Ecology, University of Mainz, Germany (2005–2008), with Katrin Böhning-Gaese
- Research fellow, Department of Ecological Modelling, UFZ Centre for Environmental Research, Germany (2004–2005). With Thorsten Wiegand, Andreas Huth & Nestor Fernandez
- Part-time freelancing ecological consultant for environmental planning offices (OECOS, BIOM, UmweltPlan GmbH, ÖKOPLAN), nature conservation agencies (NABU, Umweltbehörde Hamburg), and a publishing firm (Harenberg Kommunikation), also part-time research assistant (University of Greifswald, Germany, and Otago University, New Zealand) (1998–2004)
- Civilian service as a full-time bird ranger in the nature reserve “Wedeler Marsch” near Hamburg, Germany (15 months in 1994–1995)

#### EDUCATION:

- **Doctor of Natural Sciences** (Dr. rer. nat.) in macroecology, University of Mainz, Germany (2005–2008). Thesis: “Macroecology of avian frugivore diversity” (21.2.2008, magna cum laude). Main supervisor: Katrin Böhning-Gaese, co-advisors: Carsten Rahbek, Richard Field
- **Diplom in landscape ecology** (Dipl. Laök), University of Greifswald and University of Münster, both Germany (1996–2004). Thesis: “Reproductive ecology of the alien invasive tussock grass *Nardus stricta* L. (Poaceae)” (23.7.2004, very good). Main supervisor: Martin Schnittler
- **Master of Science** (M.Sc.) in plant ecology, Otago University, New Zealand (2002–2004). Thesis: “Population structure and reproduction of *Nardus stricta* L. (Poaceae) – an alien invader into New Zealand” (8.5.2004). Main supervisor: Janice Lord
- **Postgraduate Diploma** (PGDipl.) in wildlife management, Otago University, New Zealand (2001–2002). Report: “Ornithological survey of the Sinclair Wetlands summer 2001/2002” (4.5.2002, with distinction). Main supervisor: Philip Seddon
- Abitur, high school, Werner-Heisenberg Gymnasium, Göppingen, Germany (1981–1994). With majors in biology and mathematics

#### PERIODS OF LEAVE:

- Paternity leave (2018–2019, 4.8 months in total, i.e. working 80%)
- Paternity leave (2016, 0.5 months)
- Paternity leave (2015, 0.5 months)
- Paternity leave (2012, 2 months)
- Terminal care of a family member (2011, 3 months)

### PEDAGOGICAL COURSES AND TEACHING QUALIFICATIONS:

- **University teaching qualification** (BKO teaching certificate), University of Amsterdam (17.12.2014)
- Activating work forms and group dynamics, half-day workshop, University of Amsterdam (2014)
- Critical thinking skills, half-day workshop, University of Amsterdam (2014)
- Individual coaching and supervision, half-day workshop, University of Amsterdam (2014)

### ONGOING (CO-)SUPERVISION AND MENTORING:

As main supervisor/mentor

1. James Allan (Postdoc, 2019–2020, “Human impacts on biodiversity in protected areas”)
2. Zsófia Koma (PhD, 2017–2021, “LiDAR point clouds for reconstructing the 3D ecosystem structure of animals at regional to continental scales”)
3. T.P. (Tim) Lenters (MSc literature review, 2020, "Applications of deep learning in acoustics ecology").

As official co-supervisor

4. Samantha Jamison (PhD student, 2017–2021, “Investigating bird-tree relationships in a successional landscape”. Main supervisor: Michelle Greve)
5. Larissa Nowak (PhD, 2016–2019, “Impacts of climate change on species interaction networks”. Main supervisor: Matthias Schleuning)
6. Joeri Morpurgo (MSc, 2020, "Emerging evidence that elephants are key drivers of tropical deforestation". Daily supervisor: James Allan)
7. Erica S.M.P. Tavares (MSc, 2020, "Identifying priority conservation areas in Angola under climate change". Daily supervisor: James Allan)

As informal co-supervisor (usually for 1–2 PhD or Postdoc projects or MSc/BSc theses)

8. Emma Polman (MSc, 2019–2020, “Assessment of UNESCO global geoparks”. Main supervisor: Harry Seijmonsbergen)

### PAST (CO-)SUPERVISION AND MENTORING:

As main supervisor

1. T.P. (Tim) Lenters (MSc, 2020, "Integration and harmonization of trait data from plant individuals across heterogeneous sources").
2. Caroline Marques Dracxler da Silva (Postdoc, 2019–2020, “Morphological trait matching of palm-frugivore interactions”)
3. Klaas Land (MSc, 2020, “Identifying matching traits in mutualistic plant-animal interactions”)
4. J.P. Reinier de Vries (MSc, 2019–2020, “Identifying fine-scale habitat preferences of threatened butterflies using country-wide Airborne Laser Scanning data”)
5. Quinten Mudde (2019–2020, “Connecting reptile species and geodiversity: a global analysis”)
6. Luca Rieger (2019–2020, “Assessing the correlation of biodiversity and environmental heterogeneity in Ecuador”)
7. Amalia Llano Bojanini (MSc, 2019, “Development of an individual-based model of frugivory to study the effects of defaunation on carbon storage in a tropical forest”)
8. Jorin Veen (MSc, 2019, “The importance of plant families in the diet of primates globally”)
9. Jun Ying Lim (Postdoc, 2018–2019, “Frugivory and the macroevolution of palms”)
10. Babak Naimi (Postdoc, 2018–2019, “Global ecology and remote sensing”)
11. Ayla Alting Siberg (BSc, 2019, “The global distribution of palm fruit colour diversity (Arecaceae)”)

12. Tim P. Lenters (BSc, 2019, “Global geographic patterns in mammal-associated colours of animal-dispersed palm fruits”)
13. Danne van Ellen (BSc, 2019, “Global distribution of red fruit in the palm family (Arecaceae)”)
14. Rick de Regt (MSc, 2019, “3D LiDAR characteristics of land cover types”)
15. Sebastiaan Haverhoek (MSc, 2018–2019, “Global functional diversity of palms”)
16. Pablo Varas Enríquez (MSc, 2018, “Macroecology of reproductive behaviour in human populations”)
17. Renske Onstein (Postdoc, 2016–2018, “Frugivory and the macroevolution of palms”)
18. Jasper Steenvoorden (MSc, 2017–2018, “Assessing the importance of unburned islands in the conservation and management of sage-grouse habitat and sagebrush ecosystems”)
19. Marrit van der Meer (BSc, 2018, “Island biogeography of fruit traits”)
20. Tristan Bakx (MSc, 2017–2018, “The use of LiDAR to quantify 3D habitat structure of birds”)
21. Daphne Vink (MSc, 2017, “Palm fruits and the functional diversity of primates”)
22. Aurisel Mata (MSc, 2017, “The role of remote sensing in monitoring ecosystem service change”)
23. Frank Hopman (BSc, 2017, “Habitat fragmentation and body size change”)
24. Julia Heinen (MSc, 2016, “Extinction-driven changes in insular frugivore communities”)
25. Gabriel Muñoz (MSc, 2016, “Palm seed dispersal networks in Afrotropics and Neotropics: analysis of structure and biogeographical differences”)
26. Daphne Vink (BSc, 2016, “Functional diversity of frugivorous primates within and across biogeographic regions”)
27. Florinde Vessies (BSc, 2016, “The evolution of fruit dispersal syndromes in custard apples (Annonaceae)”)
28. Gerben IJntema (BSc, 2016, “Depletion of an island ecosystem: possible disturbances in seed dispersal and pollination relevant traits in the Hawaii archipelago”)
29. Mike L. Martinius (BSc, 2016, “Habitat preferences of nest searching bumblebee queens: an observational approach”)
30. Julia Heinen (BSc, 2015, “Extinction-driven body size reduction of island frugivores”)
31. Juliene Wennink (BSc, 2015, “Functional traits of avian frugivores on islands”)
32. Roelof Zwaan (BSc, 2015, “Agamid lizard diversity across Africa”)
33. Jorge Monje Martín (ERASMUS student project, 2013, “Extinction risk of birds”)

As official co-supervisor

34. Dobrochna Delsen (MSc, 2020, "Threatened terrestrial vertebrates are exposed to human pressures across 94% of Europe's protected land". Daily supervisor: James Allan)
35. Flavia Aschi (MSc, 2020, "Projecting climate change-driven reshuffling of functional traits in seed disperser assemblages of two Neotropical palms". Daily supervisor: Caroline Dracxler)
36. Kirian Schreuders (Bsc, 2020, "The role of frugivores in the formation of novel interactions")
37. Remco J. M. Dudink (BSc, 2020, “Trait differences between animals that interact with megafaunal fruits and animals that don’t”)
38. Jim Groot (MSc, 2017–2018, “Identification of reedbeds using a synergy of LiDAR point clouds and Sentinel data”)
39. Irene Bender (PhD, 2013–2018, “Climate change and mutualistic networks”. Main supervisor: Isabell Hensen)
40. Samantha Jamison (MSc student, 2016–2017, “Unlocking bird-tree relationships: exploring biogeographical patterns across southern Africa”. Main supervisor: Michelle Greve)
41. Bastian Gödel (PhD, 2013–2016, “Geography and ecology of functional traits in palms”. Main supervisor: Jens-Christian Svenning)
42. Anne Eskildsen (PhD, 2012–2015, “Global change effects on butterflies”. Main supervisor: Toke T. Høye)
43. Pim Post (MSc, 2015, “Pollination ecosystem services”. Main supervisor: Reinout Heijungs)

44. Sigrid Ilsøe (MSc, 2013–2014, “Global woodpecker diversity”. Main supervisor: Jens-Christian Svenning)
45. Rune Tjørnløv (MSc, 2012–2013, “Butterfly habitat selection”. Main supervisor: Toke T. Høye)
46. Tommy Thorsteinsson (MSc, 2010, “Determinants of mammal invasions”. Main supervisor: Jens-Christian Svenning)

As informal co-supervisor (usually for 1–2 PhD chapters, a Postdoc publication, or MSc/BSc theses)

47. Michael Ørsted (Postdoc, 2018–2020, “Climate-driven changes in species interactions”. Main supervisor: Kristian Trøjelsgaard)
48. Lilian Patrícia Sales (Postdoc, 2019–2020, “Climate change effects on frugivores and seed-dispersal interactions”. Main supervisor: Mathias Pires)
49. Leila Meyer (PhD, 2018–2019, “Richness pattern of the largest clade of Neotropical lianas”. Main supervisor: José Alexandre F. Diniz-Filho)
50. Gustavo Burin (PhD, 2014–2016, “Bird diversification”. Main supervisor: Tiago Quental)
51. Lindy Schneider (BSc, 2015, “Habitat selection of nest searching bumblebees”. Main supervisor: Melanie Hagen-Kissling)
52. Katherine Ashley (MSc, 2014–2015, “*Bombus* in New Zealand”. Main supervisor: Alastair Robertson)
53. Patrick Weigelt (PhD, 2013–2014, “Island plant diversity”. Main supervisor: Holger Kreft)
54. María José Sanín Pérez (PhD, 2013–2015, “Diversification of *Ceroxylon*”. Main supervisor: Gloria Galeano)
55. Jian Zhang (PhD, 2012–2013, “Boreal bird diversity”. Main supervisor: Fangliang He)
56. Anne Blach-Overgaard (PhD, 2011–2012, “African palm diversity”. Main supervisor: Jens-Christian Svenning)
57. Wolf Eiserhardt (PhD, 2010–2011, “Palm phylogenetics”. Main supervisor: Henrik Balslev)
58. Florian Wetzel (PhD, 2010–2011, “Islands and sea-level rise”. Main supervisor: Dustin Penn)
59. Jesus Aguirre Gutierrez (PhD, 2014–2015, “Pollinator range shifts in the Netherlands”. Main supervisor: Koos Biesmeijer)
60. Hector M. Serna-Chavez (PhD, 2014–2015, “Drivers of climate regulation services”. Main supervisor: Marc Davidson)

#### TEACHING EXPERIENCE:

My main teaching responsibility:

- 2014–present: **BSc course “Biodiversity & Global Change”** (4 weeks block course), course coordinator and main lecturer, University of Amsterdam [*covers course design, organisation and planning, c. 30 lectures, student group work, computer practicum, paper discussions, and an exam*]
- 2018–present: **MSc course “Global Ecology & Biodiversity”** (4 weeks block course), course coordinator and lecturer, University of Amsterdam [*newly designed course, responsible for course design, organisation and planning, and part on macroecology & biodiversity modelling*]

Previous teaching:

- 2015–2017: MSc course “Spatial Processes in Ecology & Evolution” (4 weeks block course), lecturer, University of Amsterdam [*covered the part on macroecology & biodiversity, with two lectures and a 1-day computer practicum*]
- 2012: Postgraduate course “Biogeography and Macroecology”, guest lecture and teaching of 2 course days, Aarhus University
- 2012: Two undergraduate courses on “Research in theory and praxis”, lectures and project supervision, Aarhus University [*covered introductory lectures, supervision of data analysis and writing*]
- 2011: PhD course “R for macroecology”, co-teacher, Aarhus University [*covered lectures and computer practical with R on spatial analysis*]
- 2010: Postgraduate course “Biogeography and Macroecology”, guest lecture, Aarhus University

- 2010: PhD summer school "Species Distribution Modelling – Ecological and Evolutionary Theory, Ecoinformatics, and Applications" (1 week), co-teacher, Aarhus University [covered a lecture, paper discussions, student supervision & assessments]
- 2008: Postgraduate course "Spatial pattern analysis in macroecology", guest lecture, University of California San Diego
- 2008: Postgraduate course "Macroecology", guest lecture, University of Copenhagen
- 2007: Postgraduate course "Macroecological tools for biodiversity research"(6 weeks), sole instructor, University of Mainz [covered course design, introduction into GIS, statistical modelling with R, data interpretation and paper writing]
- 2006, 2008: Postgraduate seminar "Conservation biology", co-instructor, University of Mainz [covered the design and leading of three paper discussions]
- 2006: Bird ringing course (1 week field course), sole instructor, University of Mainz [covered course design and planning, logistics, mist netting and bird ringing]
- 2006: Ornithological excursions (5 one-day field trips with undergraduate students), co-instructor, University of Mainz [taught bird identification and mapping techniques, supervised data analysis]
- 2006: Postgraduate course "Quantitative ecology" (6 weeks), University of Mainz [led field and lab work, supervised data analyses, graded papers]

#### HOSTING OF GUEST RESEARCHERS AND STUDENTS (≥1 WEEK):

- Lilian Patrícia Sales (Postdoc, June 2019)
- Caroline Marques Dracxler da Silva (Postdoc, June–August 2019)
- Samantha Jamison (PhD student, September–October 2018)
- Leila Meyer (PhD student, June–September 2018)
- Larissa Nowak (PhD student, Mai–June 2017)
- Chris Barratt, Basel University (PhD student, August 2016–August 2017)
- Alejandro Ordonez, Aarhus University (Postdoc, July–September 2015)
- Bastian Gödel, Aarhus University (PhD student, April–May 2015)
- Fabricio Villalobos, Universidade Federal de Goias (Postdoc, January 2015)
- Irene Bender (PhD student, October & December 2014)
- Alastair Robertson, Massey University (Assoc. Prof., July–September 2014)
- Katherine Ashley, Massey University (MSc student, March–April 2014)
- David Pattermore, New Zealand Institute for Plant & Food Research (Scientist, March 2014)

#### EXTENDED VISITS AND STAYS IN OTHER LABS (≥1 WEEK):

- 2011: Universidade de São Paulo, São Paulo, Brazil (1 week), with Paulo Guimarães Jr. Collaboration on species interaction networks.
- 2010: Kew Botanic Gardens, UK (1 week), with William Baker. Collaboration on palm biogeography.
- 2009: African Conservation Centre, Nairobi, Kenya (>1 week), with David Western. Collaboration on vertebrate species distributions in East Africa.
- 2005–2008: Center for Macroecology and Evolution, University of Copenhagen, Denmark (3 weeks), with Carsten Rahbek. Collaboration and exchange on macroecology.

#### EXPERT TASKS & PROFESSIONAL SERVICES:

##### Editorship:

- **Associate editor, *Ecography*** (2014–2018)
- **Associate editor, *Journal of Biogeography*** (2012– 2018)
- Guest associate editor for *PLOS Computational Biology* (2014)
- Associate editor, *The Condor* (2009–2010)

Peer-review for scientific journals:

- Ad-hoc reviews for >20 journals since 2006, incl. **Biological Reviews**, *Condor*, *Conservation Biology*, *Current Forestry Reports*, *Diversity and Distributions*, *Ecography*, *Ecological Modelling*, *Ecology*, *Ecology Letters*, **Global Change Biology**, **Global Ecology and Biogeography**, *Journal of Biogeography*, *Journal of Environmental Management*, *Journal of Field Ornithology*, *Journal of Vegetation Science*, **Methods in Ecology & Evolution**, *Nature*, **Nature Climate Change**, **Nature Communications**, *New Phytologist*, *Oecologia*, *Oikos*, *Perspectives in Plant Ecology Evolution and Systematics*, *PLoS ONE*, **Proceedings of the Royal Society B**, *The Quarterly Review of Biology*

Other scientific evaluations:

- **Czech Science Foundation**, senior research project proposal (2010)
- **US National Science Foundation**, research project proposal (2008)
- **Fulbright Commission** in the Czech Republic, visiting scholar application (2009)

Committees

- **Shadow member of scientific advisory committee (SAC)**, Institute for Biodiversity and Ecosystem Dynamics (IBED), University of Amsterdam (2019–2020)
- **PhD advisory committee** (PhD student Maja Bradaric), University of Amsterdam (2019–2022)
- **PhD promotion committee member**, Huasheng Huang, University of Amsterdam (2020)
- Member of scientific advisory committee, Netherlands Biodiversity Information Facility (NLBIF) (2018–2020)
- Co-leader of the data task force and member of implementation committee, Group on Earth Observations Biodiversity Observation Network (GEO BON) (2017–2020)
- Member of lab & infrastructure advisory committee (LIAC), Institute for Biodiversity and Ecosystem Dynamics (IBED), University of Amsterdam (2017–2018)
- Member of computational support task force, Institute for Biodiversity and Ecosystem Dynamics (IBED), University of Amsterdam (2018)
- Member of organising committee, Netherlands Annual Ecology Meeting (NAEM) (2014–2018)
- Member of scientific advisory committee, Institute for Biodiversity and Ecosystem Dynamics (IBED), University of Amsterdam (2015–2017)
- Member of evaluation committee, new extraordinary chair on “Tropical Forest Diversity and Tree Traits”, Vrije Universiteit, Amsterdam (2016)
- Member of profile committee for new chair in Population- & Evolutionary Biology, University of Amsterdam (2015)
- PhD promotion committee member, Parinaz Rashidi, University of Twente (2018)
- PhD promotion committee member, Abebe Mohammed Ali, University of Twente (2016)
- PhD promotion committee member, Héctor Mario Serna Chávez, University of Amsterdam (2015)
- PhD promotion committee member, Wouter Vansteelant, University of Amsterdam (2015)
- PhD promotion committee member, Erik de Boer, University of Amsterdam (2014)

EVENT ORGANISATION:

- Organiser of four international workshops (with 45–50 participants each) within the GLOBIS-B project (<http://www.globis-b.eu/>) (2015–2018)
- Session organiser (“Monitoring biodiversity change: Essential Biodiversity Variables (EBVs) and beyond”), Netherlands Annual Ecology Meeting, Lunteren, with Rob Jongman (2018)
- Session organiser (“New insights from large-scale ecology”), Netherlands Annual Ecology Meeting, Lunteren, with Hans ter Steege (2017)
- Symposium organiser (“Predicting the biosphere”), GLOBIS-B kick-off meeting, University of Amsterdam (2015)

- Session organiser ("Biodiversity in time and space"), Netherlands Annual Ecology Meeting, Lunteren, with Niels Raes (2015)
- Organiser and moderator of >50 research seminars (talks), Department of Bioscience, Aarhus University (2011–2013)
- Organiser and leader of two institutional symposia ("Integrative ecology and evolution"), Department of Bioscience, Aarhus University (2012 & 2013)

#### RESEARCH GRANTS:

As main applicant & PI:

- 2020: **LidarAirCloud** (Enabling biodiversity applications of ecosystem structure EBVs through massive processing of LiDAR data from airborne laser scanning surveys in cloud environments), funded by Microsoft through its AI for Earth Grant program (15 k EUR, 2020–2021).
- 2018: **Global Ecology grant** from the University of Amsterdam Faculty Research Cluster (150,000 EUR; "Global biodiversity and ecosystem functioning", 2018–2020).
- 2017: **ASDI (Accelerating Scientific Discovery) grant** from the Netherlands eScience Center (210,000 EUR + eScience Research Engineer; "eEcoLiDAR (eScience infrastructure for Ecological applications of LiDAR point clouds: reconstructing the 3D ecosystem structure for animals at regional to continental scales)", 2017–2021).
- 2015: **ALW Open Programme grant** (for a 3-year postdoctoral position) from the Netherlands Organisation for Scientific Research (NWO) (232,960 EUR; "Has frugivory influenced the macroecology and diversification of a tropical keystone plant family?", 2015–2020)
- 2015: **Horizon 2020 coordination and support action** from the European Commission (1,005,875 EUR; "GLOBal Infrastructures for Supporting Biodiversity research (GLOBIS-B)", 2015–2018)
- 2014: **University of Amsterdam starting grant** (250,000 EUR; "Quantitative biodiversity science", 2014–present).
- 2012: Starting independent researcher grant ('Steno stipend') from the Danish Council for Independent Research | Natural Sciences (566,000 EUR; "Macroecology of multi-species plant-frugivore interactions - an ecoinformatic approach", 2012–2013).
- 2008: International Biogeography Society travel grant (530 EUR)
- 2008: Arthur M. Sackler Colloquia travel award (80 EUR)
- 2008: German Research Foundation travel award (1,800 EUR).
- 2002: University of Otago postgraduate award (8,500 EUR, 2002–2004)
- 2002: DAAD research scholarship (3,000 EUR, 2002–2003).
- 2001: Enderby Trust Southern Ocean and Tasmanian Scholarship (3,000 EUR)
- 2001: Southfert Prize for Conservation Research (100 EUR)
- 2001: Otago University Summer Vacation Research Bursary (1,400 EUR; 2001–2002).

As Co-PI:

- 2020: **National Roadmap Large-scale Research Infrastructure grant** from the Netherlands Organisation for Scientific Research (NWO) (13,5 Mio EUR + 4 Mio EUR in kind; "Netherlands Infrastructure for Ecosystem and Biodiversity Analysis: Authoritative and Rapid Identification System for Essential biodiversity information (NIEBA ARISE)").
- 2020: **Horizon 2020 research and innovation action** from the European Commission call SC5-33-2020: Monitoring ecosystems through research, innovation and technology (3 Mio EUR; "Europa Biodiversity Observation Network: integrating data streams to support policy (EuropaBON)")
- 2018: Aalborg University, Denmark, talent program for early career researchers (275,000 EUR, "Climate driven changes in species interactions"). Main PI: Kristian Trøjelsgaard.



- 2016: National Research Foundation (NRF) of South Africa, Competitive Support for Unrated Researchers grant (65,000 EUR; “Understanding birdtree interactions from local to subcontinental scales”, 2016–2018). Main PI: Michelle Greve
- 2014: New Zealand Ministry of Business, Innovation & Employment science investment grant (33,430 EUR as subcontract with the New Zealand Institute for Plant and Food Research Limited; “Bee minus to bee plus and beyond: higher yields from smarter, growth-focused pollination systems”, 2014–2016). Main PI: David Pattemore
- 2013: iDiv Flexible Pool grant from the German Centre for Integrative Biodiversity Research (iDiv) (115,000 EUR; “Importance of mutualistic interactions for current and future patterns of plant and bird diversity in the tropical Andes”, 2013–2016). Main PI: Isabell Hensen

#### MEDIA COVERAGE:

- Many papers featured online on various webpages.
- Several papers featured in newspapers: *Diversity and Distribution* paper on Danish butterfly declines (2015), *Proceedings of the Royal Society B* paper on island biodiversity (2014), *PNAS* paper on palms (2012), *Global Change Biology* paper on sea level rise (2012), *PLoS ONE* paper on bumblebee telemetry (2011)
- Research regularly featured in University of Amsterdam Faculty of Science newsletter
- New publications regularly featured on University of Amsterdam IBED website
- Commentary in *Frontiers of Biogeography* (vol. 4(2), p. 54-55) about *PNAS* paper on palms (2012)
- Online audio interview about palms and climate change with Academic Minute (2012)
- Cover images of journals: *Ecology Letters*, *Global Ecology & Biogeography*, *Ecography*, etc.

#### MEMBERSHIPS:

- **International Society of Biogeography (IBS)** (2006–present)
- British Ecological Society (BES) (2014–2017)
- Natuurmonumenten (2014–present)
- Cooper Ornithological Society (2009–2010)
- Ecological Society of America (ESA) (2009–2010)
- Ecological Society of Germany, Austria, and Switzerland (GfÖ) (2006–2009)

#### LANGUAGES:

- German (mother tongue) and English: fluent
- Dutch (European A2 level) and Spanish: intermediate
- Danish and Latin: basic (4-5 years)

## LIST OF PUBLICATIONS

SUMMARY: 113 scientific peer-reviewed journal articles. Google Scholar citation statistics (2<sup>nd</sup> January 2021): 9640 citations, h-index = 40, i10-index = 77). Publications include >10 papers in top journals such as *Nature Ecology & Evolution*, *Nature Communications*, *Nature Geosciences*, *Nature Plants*, *TREE*, *PNAS* and *Biological Reviews* (all with IF  $\geq$  10) as well as high-quality ecological and biogeographic journals (e.g., *Ecology Letters*, *Global Ecology and Biogeography*, *Diversity and Distributions*, *Ecography*, *Ecology*, *Global Change Biology*, *Remote Sensing in Ecology and Conservation* and *Advances in Ecological Research*; impact factors all > 4 or 5). Nineteen papers have received particularly high citation rates (>100 Google Scholar citations).

### IN PRESS:

114. Onstein, R.E., Vink, D.N., Veen, J., Barrat, C.D., Flantua, S.G.A., Wich, S.A. & **Kissling, W.D.** (2021): Understanding the relationship between fruit colour and primate vision requires multiple lines of evidence. A reply to Heymann & Fuzessy. *Proceedings of the Royal Society B* (in press).
113. Lenters, T.P., Henderson, A., Dracxler, C.M., Elias, G.A., Mogue Kamga, S., Couvreur, T.L.P. & **Kissling, W.D.** (2021): Integration and harmonization of trait data from plant individuals across heterogeneous sources. *Ecological Informatics* (in press).
112. Jamison-Daniels, S.-L., **Kissling, W.D.**, Botha, M., Harris, M.A., Gordon, C.E. & Greve, M. (2021): The role of deterministic succession during forest development within a southern African savanna. *Biotropica* (in press).
111. Koma, Z., Seijmonsbergen, A.C. & **Kissling, W.D.** (2020): Classifying wetland-related land cover types and habitats using fine-scale lidar metrics derived from country-wide Airborne Laser Scanning. *Remote Sensing in Ecology and Conservation* (in press).

### PUBLISHED SCIENTIFIC PAPERS (INCL. COMMENTARIES AND PERSPECTIVES):

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- Koma, Zs., Seijmonsbergen, A.C., Meijer, C., Bouten, W. & **Kissling, W.D.** (2018): Object-based habitat mapping of reedbeds using country-wide airborne laser scanning point clouds. *GEOBIA'2018*, Montpellier, France.

#### ABSTRACTS IN CONFERENCE PROCEEDINGS:

- **Kissling, W.D.** (2015): Integrative macroecology: understanding the history of biodiversity. *Abstract book of the Netherlands Annual Ecology Meeting 2015*, Lunteren, Netherlands.

- **Kissling, W.D.** (2014): Frugivory and plant radiations. *Abstract book of the Radiations Conference*, Institute of Systematic Botany, University of Zürich, Switzerland, p. 9.
- **Kissling, W.D.** & Schleuning, M. (2014): Multispecies interactions across trophic levels at macroscales: retrospective and future directions. *Abstract book of the Netherlands Annual Ecology Meeting 2014*, Lunteren, Netherlands.
- Cabral, J.S., Weigelt, P., **Kissling, W.D.** & Kreft, H. (2013): Beyond area, isolation and age: what determines species diversity on oceanic archipelagos? *Abstract book of the 43<sup>rd</sup> annual conference of the Ecological Society of Germany, Austria and Switzerland (GfÖ)*, Potsdam, Germany, p. 149.
- Weigelt, P., **Kissling, W.D.**, Fritz, S., Karger, D.N., Kessler, M., Kisel, Y., Lehtonen, S., Svenning, J.-C. & Kreft, H. (2013): Phylogenetic diversity and composition of island floras. *Abstract book of the 43<sup>rd</sup> annual conference of the Ecological Society of Germany, Austria and Switzerland (GfÖ)*, Potsdam, Germany, p. 150.
- **Kissling, W.D.** (2013): The importance of biotic interactions for broad-scale diversity patterns. *Abstract book of the 7<sup>th</sup> Annual Meeting of the Specialist Group on Macroecology of the GfÖ*, Göttingen, Germany, p. 43.
- **Kissling, W.D.**, Baker, W.J., Balslev, H., Barfod, A., Eiserhardt, W.L., Kreft, H. & Svenning, J.-C. (2012): Global hotspots of diversity and threat for palms under recent and future land cover change. In: Hortal, J., Faller, K., Feeley, K., Field, R., Graham, C., Guilhaumon, F. & Gavin, D. (eds.) *Conference program and abstracts. International Biogeography Society 6<sup>th</sup> Biennial Meeting – 9–13 January 2013*, Miami, Florida, USA. *Frontiers of Biogeography* 4, suppl. 1: 72.
- **Kissling, W.D.**, Eiserhardt, W.L., Baker, W.J., Borchsenius, F., Couvreur, T.L.P., Balslev, H. & Svenning, J.-C. (2012): Integrating paleo-reconstructions, phylogenies and species distribution data to elucidate deep-time imprints on species assemblages worldwide. *Verhandlungen der Gesellschaft für Ökologie* 42: 213.
- Eiserhardt, W.L., Svenning, J.-C., Baker, W.J., Couvreur, T.L.P., **Kissling, W.D.** & Balslev, H. (2011): Phylogeny and palm diversity across scales. *Abstract book of the 18<sup>th</sup> International Botanical Congress*, Melbourne, Australia, p. 297.
- **Kissling, W.D.**, Eiserhardt, W.L., Baker, W.J., Balslev, H., Barfod, A.S., Borchsenius, F., Couvreur, T.L.P., Dransfield, J., Govaerts, R. & Svenning, J.-C. (2011): Global spatial patterns of species richness and phylogenetic assemblage structure in palms. *11<sup>th</sup> meeting of the European Network of Palm Scientists (EUNOPS)*, Komarov Botanical Institute, St. Petersburg, Russia.
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- **Kissling, W.D.**, Jetz, W., Rahbek, C., Field, R. & Boehning-Gaese, K. (2008): Environmental and historical constraints on avian frugivore distribution. *Proceedings of the Annual Meeting of the Association for Tropical Biology and Conservation*, Paramaribo, Suriname, p. 74.
- **Kissling, W.D.** & Böhning-Gaese, K. (2007): Räumliche Skalen und Artenvielfalt fruchtfressender Vögel. *Proceedings of the 140<sup>th</sup> Annual Meeting of the German Ornithologists' Society*, Gießen, Germany, p. 37.

- **Kissling, W.D.** & Böhning-Gaese, K. (2007): Determinants of frugivore species richness at different spatial scales. *Verhandlungen der Gesellschaft für Ökologie* 37: 143.
- **Kissling, W.D.** (2007): Spatial autocorrelation and the application of spatial autoregressive models. *Proceedings of the 1st Annual Meeting of the German Working Group Macroecology*, University of Mainz, Germany.
- **Kissling, W.D.**, Field, R. & Böhning-Gaese, K. (2007): Species richness of birds and woody plants: testing functional relationships. *Proceedings of the 3<sup>rd</sup> Biennial Conference of the International Biogeography Society*, Tenerife, Spain, p. 25.
- **Kissling, W.D.**, Rahbek, C. & Böhning-Gaese, K. (2006): Food resources as broad-scale determinant of avian frugivore richness. *Verhandlungen der Gesellschaft für Ökologie* 36: 253.
- **Kissling, W.D.**, Rahbek, C. & Böhning-Gaese, K. (2006): Food resources as broad-scale determinant of avian frugivore richness. *Proceedings of the International Conference on Macroecological Tools for Global Change Research*, Potsdam, Germany, p. 76.
- **Kissling, W.D.**, Rahbek, C. & Böhning-Gaese, K. (2006): Food resources as broad-scale determinant of avian frugivore richness. 24<sup>th</sup> International Ornithological Congress, Hamburg, Germany. *Journal of Ornithology* 147, Suppl. 1: 194.
- Rüger, N., Gutiérrez, A.G., **Kissling, W.D.**, Armesto, J.J. & Huth, A. (2006): Identifying sustainable management strategies for near-natural temperate evergreen rainforest in southern Chile – a simulation experiment. *USDA Forest Service - General Technical Report PNW 688*.
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- Buck, O., Freeman, C. & **Kissling, W.D.** (2001): Urban ecological mapping. Pp. 175-181 In: Whigham, P.A. (ed.): *Proceedings of the 13<sup>th</sup> Annual Colloquium of the Spatial Information Research Centre*, Dunedin, New Zealand.

#### POPULAR SCIENCE ARTICLES:

- **Kissling, W.D.** & Meister, P. (2001): Vogelparadies nach Ausdeichung: Die Karrendorfer Wiesen an der Ostseeküste Vorpommerns. *Falke* 48: 232-238.
- **Kissling, W.D.** (2001): Wenn die Uhr schon abgelaufen scheint: Das Schicksal der Schwarzen Stelzenläufer. *Falke* 48: 334-339.
- **Kissling, D.** (1999): Art- und Familientexte der Gruppen Greifvögel (*Accipitriformes*, *Falconiformes*, *Cathartiformes*), Schwalben (*Hirundinidae*), Meisen (*Paridae*), Ammern (*Emberizidae*) und Eisvögel (*Alcedinidae*). In: Schröer, T. & B. Thiesmeier (Hrsg.): *Harenberg Enzyklopädie der Tiere*. - Dortmund: Harenberg Kommunikation Verlags- und Medien GmbH & Co. KG, 800 S.

#### SELECTED REPORTS AND EXPERT OPINIONS:

- **Kissling, W.D.** & Jetz, W. (2009): East African terrestrial vertebrate species distributions in the face of climate change – integrating the knowledge base. Final report from the Terrestrial Vertebrate Biodiversity Group within the seed-funded project “Conserving biodiversity along the Kenya-Tanzania border in the face of climate change”, Liz Claiborne Art Ortenberg Foundation, New York, USA.
- Von der Gönna, S., Gowitzke, J., Jantzon, M., Weirich, O. & **Kissling, W.D.** (2006): Beringungspraktikum 2006. Excursion Report, Institut für Zoologie, Johannes Gutenberg-Universität, Mainz, Germany.
- Rüger, N., Armesto, J.J., Gutiérrez A.G., **Kissling, W.D.**, Williams-Linera, G. & Huth, A. (2005): Process-based modelling of regeneration dynamics, sustainable use and fragmentation impacts in species-rich rain forests. BIOCORES Synthesis Report for work package 3, European Commission [contract ICA4-CT-2001-10095].

- **Kissling, W.D.** (2002): Avifaunistisches Gutachten zur Ortsumgehung Loitz, Mecklenburg-Vorpommern. Expert Opinion, UmweltPlan GmbH Stralsund, Germany, 21 pp.
- **Kissling, W.D.** (2002): Ornithological survey of the Sinclair Wetlands 2001/2002. Wildlife Management Report 2002-403-3, Zoology Department, Otago University, New Zealand, 50 pp.
- **Kissling, W.D.** (2002): Avifaunistisches Gutachten zur hydrologischen Neuregulierung der Polder Sophienhof und Zeitlow, Loitz, Mecklenburg-Vorpommern. Expert Opinion, BIOMartschei, Greifswald, Germany, 33 pp.
- Schickhoff, U., Klann, A., **Kissling, D.**, Klug, K. & Kartheuser, E. (eds.) (2000): Exkursionsbericht Teneriffa 2000. Excursion Report, Botanical Institute and Botanical Garden, University of Greifswald, Germany, 173 pp.

#### UNPUBLISHED THESIS:

- **Kissling, W.D.** (2008): Macroecology of avian frugivore diversity. Unpublished PhD thesis, University of Mainz.
- **Kissling, W.D.** (2004): Population structure and reproduction of *Nardus stricta* L. (Poaceae) – an alien invader into New Zealand. Unpublished MSc thesis, Otago University.
- **Kissling, W.D.** (2004): Reproductive ecology of the alien invasive tussock grass *Nardus stricta* L. (Poaceae). Unpublished Diplomarbeit, University of Greifswald.

## LIST OF PRESENTATIONS

SUMMARY: 21 invited talks (2009–2019), 68 oral presentations at national and international workshops and conferences (2000–2019), 31 oral presentations at institutions (2000–2019), 23 poster presentations at national and international conferences (2005–2019).

#### INVITED TALKS (EXPENSES FULLY COVERED):

- 2019 “Development of workflows for the production of EBVs”. Invited talk, GEO BON workshop 'Disturbance and recovery dynamics', 6-9 May 2019, Goslar, Germany.
- 2018 “3D reconstruction of animal habitats from airborne laser scanning data”. Invited talk, Remote Sensing in Ecology workshop, University of Leiden, The Netherlands.
- 2018 “Building essential biodiversity variables (EBVs) through effective global coordination as well as local contributions”. Keynote talk, 4<sup>th</sup> Annual Meeting on Plant Ecology and Evolution (AMPEE4) of the Royal Botanical Society of Belgium, Botanic Garden Meise, Belgium.
- 2017 “Defining minimum requirements for EBV data products”. Invited talk, Group on Earth Observations Biodiversity Observation Network (GEO BON) workshop, Leipzig, Germany.
- 2017 “Essential Biodiversity Variables (EBVs)”. Invited talk, European Marine Observation and Data Network (EMODnet) workshop, London, UK.
- 2017 “Global infrastructures for supporting biodiversity research”. Invited talk, Symposium on the mobilization of structured biodiversity data, iDiv, Leipzig, Germany.
- 2016 “Integrative macroecology: linking ecological, phylogenetic and paleoclimatic data to understand present-day biodiversity”. Invited talk, Naturalis Biodiversity Center, Leiden, Netherlands.
- 2016 “Integrative macroecology: linking ecological, phylogenetic and paleoclimatic data to understand present-day biodiversity”. Invited talk, Nature of Life seminar, Department of Ecological Science, VU University, Amsterdam, Netherlands.

- 2015 “Spatial patterns and determinants of biodiversity from local to global scales”. Invited talk, Terrestrial Ecology Unit, Ghent University, Belgium.
- 2014 “Long-term historical and evolutionary drivers of global biodiversity in palms (Arecaceae)”. Invited talk, Institute of Biology, Geobotany and Botanical Garden, Martin-Luther-University Halle-Wittenberg, Germany.
- 2014 “Frugivory and plant radiations”. Invited talk, radiations conference, Institute of Systematic Botany, University of Zurich, Switzerland.
- 2014 “Applications of structural equation modelling in macroecology”. Invited talk, Jena Experiment workshop at the University of Jena, Germany.
- 2013 “Understanding biodiversity across space and time”. Invited talk, Center for Macroecology, Evolution and Climate (CMEC), University of Copenhagen, Denmark.
- 2012 “Integrating biodiversity data across space and time”. Invited talk, Institute of Biodiversity and Ecosystem Dynamics (IBED), University of Amsterdam, Netherlands.
- 2012 “Challenges and prospects in the telemetry of insects”. Invited talk, Biodiversity Institute Symposium, Department of Zoology, University of Oxford, UK.
- 2012 “Large-scale historical imprints in the global distribution of a major tropical plant lineage”. Invited talk, Faculty of Forest Sciences and Forest Ecology, University of Göttingen, Göttingen, Germany.
- 2012 “Deep-time historical imprints in the global range, species richness and phylogenetic structure of palms (Arecaceae)”. Invited talk, Institute of Systematic Botany, University of Zurich, Zurich, Switzerland.
- 2010 “Ecoinformatics, global biodiversity & climate change”. Invited talk, Research Institute of Wildlife Ecology at the University of Veterinary Medicine & Konrad Lorenz Institute for Comparative Ethology of the Austrian Academy of Sciences, Vienna, Austria.
- 2010 “Biotic interactions and niche modeling”. Invited talk, International Symposium on “The ecological niche as a window to biodiversity”, Biodiversity and Climate Research Centre (BiK-F) & Senckenberg Research Institute and Natural History Museum, Frankfurt, Germany.
- 2010 “Ecoinformatics: global biodiversity research in the computer age”. Invited talk, lecture series biology & environment, University of Bielefeld, Germany.
- 2009 "East African terrestrial vertebrates and the potential impacts of climate change". Invited talk (together with W. Jetz), Workshop on climate change and land fragmentation, Kenya Wildlife Service Headquarters, Nairobi, Kenya.

#### OTHER ORAL PRESENTATIONS AT CONFERENCES AND WORKSHOPS:

- 2019 Symposium co-organizer (“SP35 Operationalizing Essential Biodiversity Variables: data integration, production and dissemination”) and co-author “A minimum set of Information Standards for Essential Biodiversity Variables”, Biodiversity\_Next 2019 conference, Leiden, The Netherlands.
- 2019 "Using airborne laser scanning to quantify fine-scale habitat structures at macroscales". 13<sup>th</sup> annual meeting (macro2019) of the specialist group Macroecology of the Ecological Society of Germany, Austria, and Switzerland (GfÖ), Würzburg, Germany.
- 2019 "Prioritizing Remote Sensing enabled Essential Biodiversity Variables". Talk at European Space Agency Living Planet Symposium, Milan, Italy. – Co-author.

- 2019 “Global-scale patterns of plant diversity in relation to mountain geodiversity and past climate change: the “mountain-geobiodiversity hypothesis” put at test”. Talk at the International Biogeographical Society Special Humboldt 250 Meeting, Quito, Ecuador. – Co-author.
- 2019 “Using airborne laser scanning to quantify fine-scale habitat structures at macroscales”. Talk at the Netherlands Annual Ecology Meeting 2019, Lunteren, The Netherlands.
- 2019 “To what extent is the current spatial distribution of organisms shaped by past environmental dynamics?”. Talk at the Netherlands Annual Ecology Meeting 2019, Lunteren, The Netherlands. – Co-author.
- 2019 “Island endemism is shaped by long-lasting archipelago configurations”. Talk at the Netherlands Annual Ecology Meeting 2019, Lunteren, The Netherlands. – Co-author.
- 2019 “What can Essential Biodiversity Variables offer to biogeography?”. International Biogeographical Society meeting 2019, Malaga, Spain.
- 2019 “Mountains: the biogeographer’s Petri dish”. International Biogeographical Society meeting 2019, Malaga, Spain. – Co-author.
- 2019 “The botanical consequences of the dinosaur extinctions”. International Biogeographical Society meeting 2019, Malaga, Spain. – Co-author.
- 2019 “Spatiotemporal changes in the intensity of global land cover fragmentation”. International Biogeographical Society meeting 2019, Malaga, Spain. – Co-author.
- 2019 “Extinction-driven changes in frugivore communities on oceanic islands”. International Biogeographical Society meeting 2019, Malaga, Spain. – Co-author.
- 2018 “Extinction-driven changes in frugivore communities on oceanic islands”. Macro2018 annual meeting of the specialist group for macroecology of the Ecological Society of Germany, Austria and Switzerland, Birmensdorf, Switzerland. – Co-author.
- 2018 “Quantifying changes in island geography over the late Quaternary and Anthropocene”. 16<sup>th</sup> ISISA Islands of the World Conference 2018, Leeuwarden, Netherlands. – Co-author.
- 2018 “How Quaternary sea level change may influence insular species diversity”. International Biogeographical Society meeting 2018, Évora, Portugal. – Co-author.
- 2018 “Essential Biodiversity Variables: towards a common approach”. Talk at the Netherlands Annual Ecology Meeting 2018, Lunteren, The Netherlands. – Co-author.
- 2017 “Recent progress in large-scale ecology”. Talk at the Netherlands Annual Ecology Meeting 2017, Lunteren, The Netherlands.
- 2017 “Identifying plant and animal traits shaping plant-frugivore networks across the Andes”. Talk at the Netherlands Annual Ecology Meeting 2017, Lunteren, The Netherlands. – Co-author.
- 2017 “Frugivory and plant radiations: which ecologies promote speciation in the tropics?”. Talk at the Netherlands Annual Ecology Meeting 2017, Lunteren, The Netherlands. – Co-author.
- 2017 “A framework for quantifying long-term 10-100ky environmental effects on biodiversity of volcanic and continental islands”. Talk at the Netherlands Annual Ecology Meeting 2017, Lunteren, The Netherlands. – Co-author.
- 2017 “Extinction-driven changes in insular frugivore communities”. Talk at the Netherlands Annual Ecology Meeting 2017, Lunteren, The Netherlands. – Co-author.
- 2017 “Historical colonization and dispersal limitation shapes African biodiversity”. Talk at the 8<sup>th</sup> International Conference of the International Biogeography Society (IBS), Tucson, USA.
- 2017 “Drivers of phylogenetic endemism and the conservation of centres of endemism in the Coastal Forests of Eastern Africa”. Talk at the 8<sup>th</sup> International Conference of the International Biogeography Society (IBS), Tucson, USA. – Co-author.
- 2017 “Global signals of extinction and adaptation in a tropical keystone plant family”. Talk at the 8<sup>th</sup> International Conference of the International Biogeography Society (IBS), Tucson, USA. – Co-author.

- 2017 “History supplements current environment in driving functional diversity patterns”. Talk at the 8<sup>th</sup> International Conference of the International Biogeography Society (IBS), Tucson, USA. – Co-author.
- 2016 “Pleistocene area as predictor of species richness on volcanic islands”. Talk at the International Conference on Island Evolution, Ecology, and Conservation, Azores, Portugal. – Co-author.
- 2016 “On substitution rates in palms: are they related to generation time, speciation, or geography?”. Talk at the EUNOPS XVI international meeting of the European Network of Palm Scientists, Las Palmas de Gran Canaria, Spain. – Co-author.
- 2016 “Geography and ecology of functional traits in palms – from local to global scale”. Talk at the EUNOPS XVI international meeting of the European Network of Palm Scientists, Las Palmas de Gran Canaria, Spain. – Co-author.
- 2016 “Diversification slow-down of large-fruited palm lineages after extinction of megafauna”. Talk at the EUNOPS XVI international meeting of the European Network of Palm Scientists, Las Palmas de Gran Canaria, Spain. – Co-author.
- 2015 “GLOBAL Infrastructures for Supporting Biodiversity research (GLOBIS-B)”. Talk at the symposium “Predicting the Biosphere”, University of Amsterdam, The Netherlands.
- 2015 “GLOBAL Infrastructures for Supporting Biodiversity research (GLOBIS-B)”. Talk at the 9<sup>th</sup> GEO European Project’s Workshop, Copenhagen, Denmark.
- 2015 “Geodiversity, a novel predictor for biodiversity?”. Talk at the 7<sup>th</sup> International Conference of the International Biogeography Society (IBS), Bayreuth, Germany. – Co-author.
- 2015 “Late Cenozoic climate change and the phylogenetic structure of conifer assemblages worldwide”. Talk at the 7<sup>th</sup> International Conference of the International Biogeography Society (IBS), Bayreuth, Germany. – Co-author.
- 2015 “Global patterns and drivers of phylogenetic structure in island floras”. Talk at the 7<sup>th</sup> International Conference of the International Biogeography Society (IBS), Bayreuth, Germany. – Co-author.
- 2015 “Integrative macroecology: understanding the history of biodiversity”. Talk at the Netherlands Annual Ecology Meeting 2014, Lunteren, The Netherlands.
- 2015 “Deep-time (0.1-10 My) dynamics of oceanic islands affect species richness”. Talk at the Netherlands Annual Ecology Meeting 2014, Lunteren, The Netherlands. – Co-author.
- 2015 “Spatial structure of an individual-based plant-pollinator network”. Talk at the Netherlands Annual Ecology Meeting 2014, Lunteren, The Netherlands. – Co-author.
- 2014 “Integrative macroecology: linking species distributions, phylogeny and paleoclimate to understand global biodiversity in palms”. Talk at the FAPESP/UoS 2014 workshop, Southampton, UK.
- 2014 “Global biogeography and diversification history of palms”. Talk at the UK Plant Evolution 2014 meeting, Royal Botanic Garden, Edinburgh, UK. – Co-author.
- 2014 “Multispecies interactions across trophic levels at macroscales: retrospective and future directions”. Talk at the Netherlands Annual Ecology Meeting 2014, Lunteren, The Netherlands.
- 2013 “Exploring the determinants of phylogenetic assemblage structure in conifers”. Talk at 43<sup>rd</sup> Annual Meeting of the Ecological Society of Germany, Austria and Switzerland, Potsdam, Germany. – Co-author.
- 2013 “Phylogenetic diversity and composition of island floras”. Talk at 43<sup>rd</sup> Annual Meeting of the Ecological Society of Germany, Austria and Switzerland, Potsdam, Germany. – Co-author.



- 2013 “Beyond area, isolation and age: what determines species diversity on oceanic archipelagos?”. Talk at 43<sup>rd</sup> Annual Meeting of the Ecological Society of Germany, Austria and Switzerland, Potsdam, Germany. – Co-author.
- 2013 “Global biogeography and diversification history of palms”. Talk at MONOCOTS V: 5th International Conference on Comparative Biology of Monocotyledons, New York, USA. – Co-author.
- 2013 “Global hotspots of diversity and threat for palms under recent and future land cover change”. Talk at the EUNOPS XIII international meeting of the European Network of Palm Scientists, Aarhus, Denmark.
- 2013 “Phylogeography of the Andean Wax Palms (*Ceroxylon*) based on nuclear and chloroplast genes”. Talk at the EUNOPS XIII international meeting of the European Network of Palm Scientists, Aarhus, Denmark. – Co-author.
- 2013 “The importance of biotic interactions for broad-scale diversity patterns”. Talk at the 7<sup>th</sup> annual meeting of the Specialist Group on Macroecology of the Gesellschaft für Ökologie, Göttingen, Germany.
- 2013 “Palms and the evolution of the rain forests of SE Asia”. Talk at 2<sup>nd</sup> Southeast Asian Gateway Evolution Meeting (SAGE 2013), Berlin, Germany. – Co-author.
- 2012 “Integrating paleo-reconstructions, phylogenies and species distribution data to elucidate deep-time imprints on species assemblages worldwide”. Talk at the 42<sup>nd</sup> Annual Meeting of the Ecological Society of Germany, Austria and Switzerland in Lüneburg, Germany.
- 2012 “Cenozoic imprints on the phylogenetic structure of palm species assemblages in the New and Old World”. Talk at the 49<sup>th</sup> Annual Meeting of the Association for Tropical Biology and Conservation (ATBC) in Bonito, Mato Grosso do Sul, Brazil.
- 2011 “Frontiers in telemetry research – cutting the edge”. Talk at a workshop on frontiers in telemetry, Department of Bioscience, Aarhus University, Denmark.
- 2011 “Strong paleoclimatic imprints on ecological patterns and function across scales”. Talk at the 12<sup>th</sup> European Ecological Federation Congress, Avila, Spain. – Co-author.
- 2011 “Phylogeny and palm diversity across scales”. Talk at the 18<sup>th</sup> International Botanical Congress, Melbourne, Australia. – Co-author.
- 2011 “Geographical ecology of frugivore diversity”. Talk at the bilateral workshop on “Ecological network analysis in an agricultural landscape”, Universidade de Sao Paulo (USP), Sao Paulo, Brazil.
- 2011 “Global spatial patterns of species richness and phylogenetic assemblage structure in palms”. Talk at the 11<sup>th</sup> meeting of the European Network of Palm Scientists (EUNOPS), Komarov Botanical Institute, St. Petersburg, Russia.
- 2011 “Evolution of the Andean palm genus *Aiphanes*”. Talk at the 11<sup>th</sup> meeting of the European Network of Palm Scientists (EUNOPS), Komarov Botanical Institute, St. Petersburg, Russia. – Co-author.
- 2011 “The phylogenetic structure of palm assemblages worldwide”. Talk at the 5<sup>th</sup> International Conference of the International Biogeography Society (IBS), Irakleion, Crete, Greece.
- 2010 “Woody plants as broad-scale determinants of bird species distributions”. Talk at the CBIO-NET Workshop, Roskilde, Denmark.
- 2010 “Geographical ecology of the palms (Arecaceae) – from biogeography to local community assembly”. Talk at the PALMS 2010 International Symposium, Montpellier, France. – Co-author.

- 2008 “Impact of climate change on plant and bird diversity in Africa”. Talk at the BIOTA Africa Congress 2008. Spier, South Africa. – Co-author.
- 2008 “Predicting tropical bird diversity in response to climate change: are woody plants a lag factor?”. Talk at the Annual Meeting of the British Ecological Society (BES), London, UK. – Co-author.
- 2008 “Environmental and historical constraints on avian frugivore distribution”. Talk at the Annual Meeting of the Association for Tropical Biology and Conservation (ATBC), Paramaribo, Suriname.
- 2008 “Global determinants of avian frugivore distribution”. Talk at the 2<sup>nd</sup> Annual Meeting of the Specialist Group on Group Macroecology, University of Bonn, Germany.
- 2007 “Räumliche Skalen und Artenvielfalt fruchtessender Vögel“. Talk at the 140<sup>th</sup> Annual Meeting of the German Ornithologists' Society, Gießen, Germany, p. 37.
- 2007 “Determinants of frugivore species richness at different spatial scales”. 37<sup>th</sup> Annual Conference of the Ecological Society of Germany, Switzerland and Austria (GfÖ), Marburg, Germany.
- 2007 “Spatial autocorrelation and the application of spatial autoregressive models”. Talk at the 1<sup>st</sup> Annual Meeting of the Specialist Group on Macroecology, University of Mainz, Germany.
- 2005 “Sustainable management of Chilean temperate evergreen rainforest – a simulation experiment”. Talk at the Sustainable Forestry in Theory and Practice: Recent advances in Inventory & Monitoring Conference, International Union of Forest Research Organizations (IUFRO), Edinburgh, UK. – Co-author.
- 2003 “Das Borstgras (*Nardus stricta*): in Hamburg stark gefährdet, anderswo problematischer Neophyt – das Beispiel Neuseeland” [*The matgrass (Nardus stricta): a threatened red list species in Hamburg, an alien invader in other parts of the world – the case of New Zealand*]. Talk at the Specialist Conference on Alien Invasive Species in Protected Areas, Stiftung Naturschutz Hamburg & Botanischer Verein zu Hamburg, Hamburg, Germany.
- 2001 “Urban ecological mapping“. Talk at the 13<sup>th</sup> Annual Colloquium of the Spatial Information Research Centre, Dunedin, New Zealand. – co-author.
- 2000 “Bestandsabschätzung von schlecht erfassten Arten: Waldwasserläufer (*Tringa ochropus*) und Zwergschnäpper (*Ficedula parva*) im Biosphärenreservat Schorfheide-Chorin, Brandenburg.” [*Population estimate of difficult-to-record bird species: Green Sandpiper (Tringa ochropus) and Red-breasted Flycatcher (Ficedula parva) in the Schorfheide-Chorin Biosphere Reserve, Brandenburg, Germany*]. Talk at the 9<sup>th</sup> Annual Conference of the ornithology specialist group from Berlin and Brandenburg (ABBO), Berlin, Germany.

#### INSTITUTIONAL PRESENTATIONS:

- 2017 “eScience infrastructure for Ecological applications of LiDAR point clouds: reconstructing the 3D ecosystem structure for animals at regional to continental scales”. Talk, Institute for Biodiversity and Ecosystem Dynamics (IBED), University of Amsterdam, The Netherlands.
- 2014 “Multispecies interactions across trophic levels at macroscales: retrospective and future directions”. Talk, staff meeting of the Institute for Biodiversity and Ecosystem Dynamics (IBED), University of Amsterdam, The Netherlands.
- 2013 “Challenges and prospects in the radio telemetry of insects” Talk, Integrative Ecology and Evolution Mini-Symposium, Department of Bioscience, Aarhus University, Denmark.

- 2012 “Integrative biodiversity science: linking species distributions, phylogenies and paleo-reconstructions at a global scale.” Talk, Integrative Ecology and Evolution Mini-symposium, Department of Bioscience, Aarhus University, Denmark.
- 2011 “From the Eocene to the present: historical legacies in the worldwide distribution of a major tropical plant lineage”. Seminar talk, Ecoinformatics & Biodiversity Group, Department of Bioscience, Aarhus University, Denmark.
- 2011 “Macroecology of plant-frugivore diversity”. Talk, Departamento de Ecologia, Universidade Estadual Paulista (UNESP), Rio Claro, SP, Brasil.
- 2010 “Ecoinformatics: global biodiversity research in the computer age”. Invited public talk, lecture series biology & environment, University of Bielefeld, Germany.
- 2010 “Ecoinformatics, global biodiversity & climate change”. Invited talk, Research Institute of Wildlife Ecology at the University of Veterinary Medicine & Konrad Lorenz Institute for Comparative Ethology of the Austrian Academy of Sciences, Vienna, Austria.
- 2009 “Towards an integrated approach for understanding global species diversity”. Invited presentation, Aarhus University, Denmark.
- 2009 “My personal vision for Global Biodiversity Modelling”. Invited job talk, United Nations Environment Programme World Conservation Monitoring Centre (UNEP-WCMC), Cambridge, UK.
- 2009 “The global diversity of bird dietary guilds”. Invited seminar talk, Department of Evolutionary Biology, University of Bielefeld, Germany.
- 2009 “The spatial dimension of biodiversity across scales and taxa”. Invited job talk, Institute of Integrative and Comparative Biology, University of Leeds, UK.
- 2008 “Macroecology – from biogeography to global change”. Invited seminar talk at the Max-Planck-Institute for Ornithology, Radolfzell, Germany.
- 2008 “Macroecology of avian frugivore diversity”. PhD Thesis Defence, Institute of Zoology, University of Mainz, Germany.
- 2007 “Global determinants of avian frugivore distribution“. Departmental Seminar, Institute of Zoology, University of Mainz, Germany.
- 2007 “Broad-scale determinants of frugivore diversity”. Jetz Lab Meeting, University of California, San Diego, USA.
- 2007 “Food plant diversity as broad-scale determinant of avian frugivore richness”. One-day Symposium at Center for Macroecology, University of Copenhagen, Denmark.
- 2006 “Macroecology of plant-frugivore diversity”. Virtual Institute of Macroecology Meeting, University of Marburg, Germany.
- 2006 „Introduction to R“. Departmental Seminar, Institute of Zoology, University of Mainz, Germany.
- 2006 “*Ficus*-Diversität und Diversität frugivorer Vögel”. Virtual Institute of Macroecology Meeting, University of Göttingen, Germany.
- 2006 “Macroecology of avian frugivore richness”. Departmental Seminar, Institute of Zoology, University of Mainz, Germany.
- 2005 “Potentielle Pumahabitate in Patagonien, Argentinien” [*Potential puma habitats in Patagonia, Argentina*]. GIS Day 2005, Institute of Geography, University of Mainz, Germany.
- 2005 “Macroecology of figs and frugivores in Africa”. Departmental Seminar, Institute of Zoology, University of Mainz, Germany.

- 2005 “Macroecology of fig-frugivore richness in Africa”. Virtual Institute of Macroecology Meeting, University of Mainz, Germany.
- 2005 “Spatial risk assessment of puma predation on livestock in Patagonia, Argentina”. Departmental Seminar, Department of Ecological Modelling, UFZ Centre of Environmental Research, Leipzig, Germany.
- 2004 “Reproductive ecology of the alien invasive tussock grass *Nardus stricta* L. (Poaceae)”. Diplom Thesis Defence, Botanical Institute and Botanical Garden, University of Greifswald, Germany.
- 2003 “Kampf gegen Exoten: Naturschutz in Neuseeland” [*Fighting against aliens: nature conservation in New Zealand*]. Environmental Ethics Seminar, Botanical Institute and Botanical Garden, University of Greifswald, Germany.
- 2002 “Ecology of *Nardus stricta* L. (Poaceae) in New Zealand – Proposal for a MSc (Ecology)“. Departmental Seminar, Botany Department, Otago University, New Zealand.
- 2002 “Artenschutz und Wildlife Management in Neuseeland“ [*Species conservation and wildlife management in New Zealand*]. Ornithology Specialist Group Greifswald, Germany.
- 2001 “What is landscape ecology?“. Wildlife Management Seminar, Zoology Department, Otago University, New Zealand.
- 2000 “Vogelberingung und Vogelzugforschung am Beispiel des MRI-Programms der Vogelwarte Radolfzell.“ [*Bird ringing and bird migration research in Germany*]. Scientific student circle ‘Jean Baptiste de Lamarck’, University of Greifswald, Germany.

#### POSTER PRESENTATIONS:

- 2019 “Quantifying 3D vegetation structure in wetlands using national-wide Airborne Laser Scanning”. Talk at the Netherlands Annual Ecology Meeting 2018, Lunteren, The Netherlands. – Co-author.
- 2019 “A multi-trait assessment of species' vulnerability to climate change along a tropical elevational gradient”. International Biogeographical Society meeting 2019, Malaga, Spain. – Co-author.
- 2019 “New biogeographic insights into plant-frugivore interactions and life history variation in a pantropical keystone plant group”. International Biogeographical Society meeting 2019, Malaga, Spain. – Co-author.
- 2018 “Legacy effects of sea-level fluctuations over the Late Quaternary on present-day island biodiversity”. INQUA-PAGES conference on impacts of sea-level rise from past to present 2018, Utrecht, The Netherlands. – Co-author.
- 2018 “Extinction-driven changes in frugivore communities on oceanic islands”. International Biogeographical Society meeting 2018, Évora, Portugal. – Co-author.
- 2018 “The Paleo Islands and Archipelago Configuration database – sea level driven changes in island geography”. International Biogeographical Society meeting 2018, Évora, Portugal. – Co-author.
- 2018 “The Paleo Islands and Archipelago Configuration database – sea level driven changes in island geography”. Netherlands Annual Ecology Meeting 2018, Lunteren, The Netherlands. – Co-author.
- 2017 “Functional (mis)match of fleshy-fruited plants and frugivorous birds under climate change?”. British Ecological Society Annual Meeting 2017, Ghent, Belgium. – Co-author.
- 2017 “Large-scale palm-frugivore networks across the Afro- and Neotropics”. Netherlands Annual Ecology Meeting 2017, Lunteren, The Netherlands. – Co-author.
- 2016 “Extinction-driven changes in insular frugivore communities”. International Conference on Island Evolution, Ecology, and Conservation, Azores, Portugal. – Co-author.
- 2015 “Frugivory, functional traits and the diversification of a tropical angiosperm family: Annonaceae (Magnoliales)”. Systematics Association Biennial, University of Oxford, UK. – Co-author.

- 2015 “Feeding originality and flexibility of birds in plant-frugivore interaction networks”. Frugivores & Seed Dispersal Symposium-Workshop 2015, Drakensberg, South Africa. – Co-author.
- 2015 “Geodiversity as predictor for biodiversity”, Netherlands Annual Ecology Meeting, Lunteren, Netherlands. – Co-author.
- 2015 “Geographic variation and environmental correlates of functional trait distributions in Neotropical palms (Arecaceae)”. 7<sup>th</sup> International Conference of the International Biogeography Society (IBS), Bayreuth, Germany. – Co-author.
- 2014 “Effects of climate change on mutualistic networks in a tropical diversity hotspot”. Joint 2014 Annual Meeting British Ecological Society and Société Française d’Ecologie, Grand Palais, Lille, France. – Co-author.
- 2013 “Ecological studies of long-term historical constraints on functional diversity of palms across different geographical scales”. EUNOPS XIII international meeting of the European Network of Palm Scientists, Aarhus, Denmark. – Co-author.
- 2013 “Testing species distribution models across space and time: high latitude butterflies and recent warming”. 6<sup>th</sup> International Conference of the International Biogeography Society, Miami, Florida, USA. – Co-author.
- 2010 “Space use of bumblebees (*Bombus* spp.) revealed by radio-tracking”. 24th Annual meeting of the Scandinavian Association for Pollination Ecology, Tovetorp, Sweden. – Co-author.
- 2010 “Global diversity of palm species: continents versus islands”. PALMS 2010 International Symposium, Montpellier, France.
- 2009 “The global biogeography of avian dietary guilds”. 4th Biennial Conference of the International Biogeography Society (IBS), Mérida, México.
- 2008 “The global biogeography of avian dietary guilds”. Arthur M. Sackler Colloquia of the National Academy of Sciences, Irvine, USA.
- 2008 “Predicting tropical bird diversity in response to climate change: are woody plants a lag factor?”. BIOTA Africa Congress 2008, Spier, South Africa.
- 2008 “Predicting tropical bird diversity in response to climate change: are woody plants a lag factor?”. International DanBIF Conference on Biodiversity Informatics and Climate Change Impacts on Life, University of Aarhus, Denmark
- 2007 “Species richness of birds and woody plants: testing functional relationships”. 1<sup>st</sup> Annual Meeting of the Specialist Group on Macroecology, University of Mainz, Germany.
- 2007 “Species richness of birds and woody plants: testing functional relationships”. 3<sup>rd</sup> Biennial Conference of the International Biogeography Society, Tenerife, Spain.
- 2006 “Food resources as broad-scale determinant of avian frugivore richness”. 36<sup>th</sup> Annual Conference of the Ecological Society of Germany, Switzerland and Austria (GfÖ), Bremen, Germany.
- 2006 “Food resources as broad-scale determinant of avian frugivore richness”. International Conference on Macroecological Tools for Global Change Research, Potsdam, Germany
- 2006 “Food resources as broad-scale determinant of avian frugivore richness”. 24<sup>th</sup> International Ornithological Congress, Hamburg, Germany.
- 2005 “Sustainable management of Chilean temperate evergreen rainforest – a simulation experiment”. Ecological Society of America 2005 Annual Meeting, Montréal, Canada. – Co-author.
- 2005 “Sustainable management of Chilean temperate evergreen rainforest – a simulation experiment”. Student Conference on Conservation Science, University of Cambridge, UK. – Co-author.

PERSONAL INTERSTS:

I spend most of my remaining time with my kids and my wife, and visiting friends and family members. I also love travelling, camping, biking, bird watching, hiking, gardening and cooking.



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Daniel Kissling, 2<sup>nd</sup> January 2021