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Research Profile

I am a geographer and cartographer with an international record in geovisualisation and spatial analysis, integrating applied GIS, remote sensing, and participatory mapping to bridge environmental and social perspectives on global change.

Main Fields of Research and Teaching:

- Cartography and digital mapping
- Geospatial information systems and geospatial data modelling
- Photogrammetry and remote sensing
- Participatory GIS
- Social geography
- Environmental geography
- Geography education curriculum and pedagogy

Publications:

- ORCID: 0000-0002-5754-2455
- Google Scholar: <https://scholar.google.co.uk/citations?hl=en&user=NXD8bMwAAAAJ>

Academic Positions

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| - Professor: Faculty of Life and Environmental Sciences
University of Iceland, Iceland | 2019 – present |
| - Founding Director of Worldmapper Ltd., Oxford, United Kingdom | 2014 – present |
| - <i>Parental leave</i> | 2024 (8 months)
2020 (6 months) |
| - Associate Professor: Faculty of Life and Environmental Sciences
University of Iceland, Iceland | 2016 – 2019 |
| - Senior Research Fellow: School of Geography and the Environment
University of Oxford, United Kingdom | 2013 – 2016 |
| - Senior Research Fellow: Department of Geography
University of Sheffield, United Kingdom | 2013 |
| - Research Associate: Department of Geography
University of Sheffield, United Kingdom | 2011 – 2013 |
| - Lecturer: Department of Geography
University of Cologne (Köln), Germany | 2005 – 2008 |
| - Research Associate: Department of Geography
University of Cologne (Köln), Germany | 2005 |

Education

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| - Doctor of Philosophy (PhD) in Geography (University of Sheffield, United Kingdom)
Thesis: ‘Rediscovering the world: Gridded cartograms of human and physical space’
Award: Deutscher Studienpreis (Germany PhD Thesis Award), Körber Foundation
Funding: Scholarship by the Leverhulme Trust | 2008 – 2011 |
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- **Diplom in Geography** (*MSc-equivalent*) (University of Köln / Cologne, Germany) 2005
Research conducted in collaboration with Alfred-Wegener-Institute for Polar and Marine Research, Bremerhaven, Germany
Thesis: 'Applications of hyperspectral remote sensing in coastal ecosystems: A case study from the German North Sea'
University Studies in Geography (major) at the University of Cologne (Köln, Germany) 2000 – 2004
with minors in Soil Science (University of Bonn), Sociology, Transport Studies, and Philosophy

Visiting Positions

- **Visiting Professor:** Department of Geography, Ritsumeikan University 2025 – present
Kyoto, Japan
- **Honorary Research Fellow:** School of Geography and the Environment 2025 – present
University of Oxford, United Kingdom
- **Honorary Research Associate:** School of Geography and the Environment 2016 – 2025
University of Oxford, United Kingdom
- **Visiting Professor:** Háskólasetur Vestfjarða (University Centre of the Westfjords) 2021
Ísafjörður, Iceland
- **Visiting Scholar:** Erasmus Mundus Master of Science Programme in Cartography 2016 – 2019
Technical University Vienna (TU Wien), Austria
- **Visiting Scholar:** Research Institute for Regional and Urban Development (ILS) 2016
Dortmund, Germany
- **Visiting Scholar:** Department of Asian Studies, Palacký University 2014
Olomouc, Czech Republic

Research Staff & Postgraduate Supervision

Over my career I have supervised and co-supervised **PhD projects** in social geography, wilderness mapping, ecosystem services, freshwater ecosystems, and whale ecology (**2 completed, 4 ongoing**), and have guided more than **25 Master's dissertations**. The following list provides an overview of my research group since having moved to a faculty position at the University of Iceland in 2016.

Research Grants & Funding

Since joining the University of Iceland in 2016, I have secured and managed institutional research income exceeding **€1.5 million (≈ £1.3 million)** through national, Nordic, and EU-funded programmes demonstrating sustained international collaboration and interdisciplinary geospatial research leadership. Grants include leadership as *Principal Investigator, National Lead, and Work Package Leader* in multi-partner consortia such as PHOENIX (Horizon Europe), COMCHA (Biodiversa+), and JUSTGREEN (NordForsk), alongside national and teaching innovation grants. Collectively, these projects represent total consortium funding of more than **€ 6.8 million (≈ £5.9 million)**.

- EU Biodiversa+ BiodivNBS call (Nature-based solutions for biodiversity, human well-being and transformative change)
COMCHA (Community-based change: local and traditional knowledges in NBS) 2025 – 2028
Principal Investigator
EUR 330,000 institutional share (total funding EUR 1.4 million)
- NordForsk (Nordic Research Council) Green Transition call
'JUSTGREEN (Land use justice for green transitions)' 2024 – 2028
Principal Investigator and Work Package Leader
NOK 3 million institutional share (total funding NOK 15 million)

- EU Single Market Programme SMP-ESS-2023-GEOS-IBA call in Geospatial Statistics
‘Geosocietal View of Iceland’ 2024 – 2026
Co-Investigator in collaboration with Hagstofa Íslands / Statistics Iceland
EUR 66,760 institutional share
- Rannsóknasjóður Háskóla Íslands (The University of Iceland Research Fund)
‘Visualising and Modelling Landscapes Impacted by Environmental Change’ 2024 – 2026
Principal Investigator
ISK 2.4 million
- Samstarf háskóla call funded by the Icelandic Government’s Ministry of Higher Education, Science and Innovation
‘Efling samstarfs um nám í GIS og fjarkönnun’ 2024 – 2026
(National cooperation in GIS and Remote Sensing)
Principal Investigator
ISK 9 million institutional share (total funding ISK 29 million)
- EU Erasmus Mundus Joint Masters call ERASMUS-EDU-2021-PEX-EMJM-MOB
‘ISLANDS: Islands and Sustainability’ 2022 – 2027
Institutional Lead
Total funding EUR 3.6 million, *institutional share variable student-number based*
- EU H2020-LC-GD-2020-4 call funded by the Horizon 2020 - Research and Innovation Framework Programme
‘PHOENIX (Participation in HOListic ENvironmental/Ecological Innovations): The Rise of Citizens Voices for a Greener Europe’ 2022 – 2025
Co-Principal Investigator
EUR 350,000 institutional share (total funding EUR 5 million)
- Landsvirkjun Orkurannsóknasjóður (Landsvirkjun Energy Research Grant) & VOR - Vísinda- og frumkvöðlasjóður Orkuveitunnar (Reykjavík Energy Science Fund)
‘JustWind’ 2025
Principal Investigator
ISK 7 million
- Fiskræktarsjóður (Fish farming fund) by Fiskistofa (Directorate of Fisheries by the Icelandic Ministry of Food, Agriculture and Fisheries)
‘Monitoring salmonid spawning grounds’ 2024
Principal Investigator
ISK 800,000
- Rannsóknasjóður Háskóla Íslands (The University of Iceland Research Fund)
‘Acoustic telemetry tracking of fish in Þingvallavatn’ 2021 – 2023
Principal Investigator
ISK 2.1 million
- Rannís Nýsköpunarsjóður námsmanna (Icelandic Student Innovation Fund)
‘Crowdsourcing to help fighting climate change’ 2021
Principal Investigator
ISK 1.8 million
- Rannís Nýsköpunarsjóður námsmanna (Icelandic Student Innovation Fund)
‘Developing a reliable herbivore density map for Iceland’ 2021
Principal Investigator
ISK 900,000
- Rannís Innviðasjóð (Infrastructure Fund of the Icelandic Centre for Research)
‘Fjölþætt fjarkönnun á láði og legi með notkun ómannaðra rannsóknarfarartækja’ 2020
(Marine and terrestrial remote sensing applications using unmanned aerial vehicles)
Principal Investigator
ISK 5.3 million
- Rannís Nýsköpunarsjóður námsmanna (Icelandic Student Innovation Fund)
‘Discovering the Thingvallavatn salmonid spawning grounds amid a changing climate’ 2020
Principal Investigator
ISK 900,000

- **‘Mapping the habitats and environments of Arctic charr morphs in Thingvallavatn’**
Rannsóknasjóður Háskóla Íslands (The University of Iceland Research Fund)
Principal Investigator 2019 – 2021
ISK 1.4 million
- Rannís Nýsköpunarsjóður námsmanna (Icelandic Student Innovation Fund)
‘Surveying salmonid spawning grounds in Thingvallavatn’
Principal Investigator 2019
ISK 900,000
- Rannís Nýsköpunarsjóður námsmanna (Icelandic Student Innovation Fund)
‘Stuðlagil: áfangastaður í mótun’ (Stuðlagil: A destination in the making)
Co-Principal Investigator (collaborative effort with several Departmental colleagues) 2019
ISK 2.7 million
- Rannís Nýsköpunarsjóður námsmanna (Icelandic Student Innovation Fund)
‘Machine learning approaches to monitor nationwide forestry analytics’
Principal Investigator (collaboration with Svarmi) 2019
ISK 900,000
- FEHRL (the Forum of European National Highway Research Laboratories) Grant
‘European mapping of urban vitality in relation to infrastructure connectivity’
Co-Investigator (collaboration with the Universities of Groningen & Sheffield) 2018
EUR 43,000
- Innovative Geography Teaching Grant awarded by the Royal Geographical Society
‘Londonmapper: exploring a World city through Census Data’
Principal Investigator (collaboration with Alan Parkinson (King's Ely School)) 2014 – 2015
GBP 2,500
- Trust for London
‘A Social Atlas of London’
Co-Principal Investigator (with Danny Dorling) 2011 – 2016
GBP 143,000

Teaching Experience

I view geography as an integrative discipline connecting environmental and social understanding. My teaching spans the full breadth of the field—from human to physical/environmental geography with a strong methodological expertise in mapping, GIS, and remote sensing. I have a keen interest in using open-source tools/workflows and I emphasise research-led, project-based, and field-based learning combining analytical rigour with creative visualisation. I have led international and hybrid teaching initiatives, including online and blended delivery across multiple universities. Across the curriculum I encourage students to think critically about data and to communicate insights through engaging visual means.

University of Iceland (Iceland, 2016 – present)

Roles and Leadership

- o Local Coordinator & Programme Director for Iceland of the Erasmus Mundus Joint Research Master Programme in Islands and Sustainability (ISLANDS) (since 2022).
- o Academic lead for multiple undergraduate and postgraduate courses in cartography, GIS, environmental geography, and spatial communication.
- o PhD examination and assessment experience at national and international universities (internal and external).
- o Coordinator for field-based and digital spatial learning components across the Geography and Tourism programmes.

Module Leadership and Course Design

- o Cartography and Map Design (LAN102G) — redesigned in 2018 to switch to teaching open source tools (QGIS).
Taught 2016 – present
- o Introduction to Geovisualisation and GIS (LAN116F) — foundational GIS course emphasising open-source workflows and spatial reasoning (using QGIS and R).
Taught 2017 – present

- Environmental Geography (LAN221G) — integrative module connecting physical and human geography through applied case studies.
Taught 2019 – present, Module lead & course re-design in 2023
- Critical Use and Representation of Geographic Information (LAN306G/new) — advanced course exploring spatial data analysis and visualisation, ethics, and spatial bias.
Taught 2018-2021
- Mapping Methods for Tourism Studies (LAN306G) — applied GIS and visualisation for tourism studies using a range of mapping tools (including ArcGIS) and online platforms (including Datawrapper).
Taught 2016-2017
- Environmental Planning and Democratic Engagement (MFR505M) — postgraduate course linking participatory approaches with environmental governance.
Taught 2024 – present
- Visualisation and Science Communication (LAN024F) — methods of geovisual communication and public engagement.
Taught 2023 – present
- ISLANDS Individual Research Training (LAN021F) and ISLANDS Research Internship (LAN022F) — supervision of research projects and applied internships for students in the ISLANDS Master programme.
Taught 2023 – present

Field Teaching and Experiential Learning

- Geospatial Technologies in Hazard Research and Response (LAN023F) — field course integrating UAV mapping, GNSS surveying, and participatory hazard assessment.
Course design & taught 2023
- ISLAS Summer School: Islands as Laboratories for Sustainability (LAN302F) — international field module focusing on sustainability transitions in island communities in the Westfjords of Iceland.
Course design & taught 2025
- Iceland field programmes for Master students in collaboration with the University of Cologne.
Course design & taught 2018, 2021

Contributing Lecturer

- Delivered teaching in Population Geography (2017-2018), Geographical Information Systems 2 (2017-2021), Scientific Approaches to Nature, Society and Space (2016-2017), Geographical Perspectives (2022 – present), Study Skills for Geography and Tourism (2017 – present), Destination Iceland (2021 – present), and Tourism and Geoinformation (2016).

Supervision, Mentoring, and Examination

- Supervision of Bachelor and Master dissertations (30+) on topics spanning social inequality, environmental geography, geovisualisation, GIS and remote sensing, hazard and landscape mapping, sustainability, and human–environment interactions.
- MSc tutor for international Master students across Geography (including the study tracks on Islands and Sustainability, and Natural Hazards), Environment and Natural Resources, Tourism Studies, and formerly the Geo-information Science and Earth Observation for Environmental Modelling and Management programme.
- Overview of recently supervised theses: <https://skemman.is/simple-search?query=Benjamin+Hennig>

Pedagogical Development

- Participation in Seminars and Workshops by the University of Iceland Centre for Teaching and Learning on PhD Supervision, Curriculum Development, Remote and Hybrid Teaching Methods.
- Recipient of the University of Iceland Teaching Development Grant for advancing geospatial curriculum development (2022).
- Recipient of the Icelandic Ministry of Higher Education, Science and Innovation's 'Samstarf háskóla' (university collaboration) grant for advancing the national cooperation in GIS and Remote Sensing education (2024-2026).

University of Oxford (United Kingdom, 2013-2016)

- Contributing lecturer for the MSc in Sustainable Urban Development: topics on sustainability, spatial inequality, and cartography for policy.
- Regular contributor to the Oxford Study Programme (Summit Education Enterprises, Merton / St Cross / St Hilda's / Worcester Colleges): lecture series on Sustainability and the Anthropocene from 2015 – 2021.

- Guest lectures and workshops for teacher training and public engagement, including:
 - Maps Matter (King's Ely School, UK).
 - Cartographies of the Anthropocene (TU Wien, Austria).
 - Geopolitics and Borders workshop (Prince's Teaching Institute, UK).
 - Inequalities in London (Queen Mary University, London).
 - Teaching activities for GCSE outreach and Super Science Saturday, Museum of Natural History, Oxford.

University of Sheffield (United Kingdom, 2008-2013)

Taught and supported the MSc module Data, Visualisation and GIS (GEO6016) as part of the Social and Spatial Inequalities programme. Provided technical instruction in data visualisation, spatial statistics, and thematic cartography using ArcGIS and other tools.

University of Cologne / Köln (Germany, 2005-2008)

Taught across undergraduate and graduate levels in urban, economic, cultural, and regional geography at the Department of Geography. Contributed to the Bologna process restructuring of the department's curriculum towards the implementation of Bachelor/Master degrees.

Teaching Responsibilities

- Delivered lecture and seminar series on Urban and Economic Geography, Cultural and Regional Geography, Introduction to Geography, and Introduction to Human Geography.
- Designed and taught postgraduate courses in Water and Health in (Mega)Cities, Megacities: Sustainable Development, Urban Economies, Socioeconomic Development in China, Map Interpretation, and Emerging Asian Megacities.
- Led and contributed to field excursions on urban and rural geography, geomorphology, geology, soil science, and marine ecosystems (Germany: Berlin, Cologne, Heligoland, Sylt, Rhineland; international: Iceland, Thailand, Myanmar, China).

Pedagogical Development

- Early adopter of digital learning, setting up the department's first ILIAS e-learning platform to support blended instruction.
- Supervised Bachelor and Master dissertations, tutored students, and contributed to oral and written examination processes.
- Supported the GIS laboratory in teaching and software implementation.

Awards & Honours

-	First Place Award in Social Integration at the Data for Refugees Big Data Challenge Istanbul, Turkey (awarded to the joint project ‘AROMA_CoDa: Assessing Refugees’ Onward Mobility through the Analysis of Communication Data’ by H. Sterly, B. Etzold, L. Wirkus, P. Sakdapolrak, J. Schewe, C.-F. Schleussner and B. Hennig)	2019
-	Young Global Changers Scholarship Award for the G20 Think 20 Summit Berlin, Germany	2017
-	Wallis Award by the Society of Cartographers (UK) for excellence in Cartography	2016
-	Choice Outstanding Academic Title Award for the Social Atlas of Europe	2015
-	Awarded an A.T. Kearney Scholarship for the Falling Walls Conference, Berlin, Germany Finalist at the Falling Walls Lab with the contribution Breaking the Walls of World Views	2013
-	Springer Thesis Prize for scientific excellence and impact on research	2013
-	German PhD Thesis Award (Deutscher Studienpreis) by Körber Foundation recognising the best young researchers undertaking significant academic work with a special relevance and benefit to society (first prize in Social Sciences €30,000)	2012
-	Northern Lights 2011 by the Public Policy Research (IPPR North), named as one of the ‘50 brightest and most talented people from the worlds of business, science and technology, academia, public service, politics, culture, the arts and social and community action from across the North of England’	2011

- **University of Sheffield Media Star Award** recognising academics who have successfully engaged with the press and media, presented at the Media/Impact conference in Sheffield 2010

Academic Leadership

- **Local Coordinator & Programme Director for the Erasmus Mundus Joint Research Master Programme on 'Islands and Sustainability' (ISLANDS)**, University of Iceland 2022 – present
- **Chair of the Board for the Centre for Remote Sensing (CRS)**, University of Iceland 2021 – present
- **Vice Head of Faculty**, Faculty of Life and Environmental Sciences, University of Iceland 2022 – 2024
- **Deputy Head of Department**, Department of Geography and Tourism Studies, University of Iceland 2022 – 2024

Academic Service & Administration

- **Graduate Committee**, Faculty of Life and Environmental Sciences, University of Iceland 2025 – present
- **Local Coordinator & Programme Director**, International Erasmus Mundus Joint Research Master Programme in Islands and Sustainability (ISLANDS) 2022 – present
- **Coordinator for International Affairs**, Department of Geography and Tourism Studies, University of Iceland 2018 – present
- **Local Organising Committee** for the Annual Conference of the Global Young Academy 2019
- **Steering committee for the UK Future Earth Early Career Researcher & Practitioner Network (UK FE ECR)** 2018 – 2020
- **Board Member of the Icelandic Geographic Association (Félag Landfræðinga)** 2018 – 2022
- **Research committee**, Faculty of Life and Environmental Sciences, University of Iceland 2017 – 2023
- **Language Mapping Steering Group** at the British Academy 2014 – 2018
- **Member of the Global Young Academy** 2014 – 2019
- **Committee Member** of the Society of Cartographers 2012 – 2019
- **Advisory Member** of the UK Parliamentary Environmental Audit Committee 2011 – 2014
- **Committee for the Quality of Teaching**, Department of Geography, University of Cologne 2005 – 2008
- **MegaCity TaskForce** of the International Geographical Union (IGU) 2001 – 2008

Peer Review Activities (*selection*)

Journals: Environment and Planning A, Transactions of the Institute of British Geographers, Journal of Maps, ISPRS International Journal of Geo-Information, The Cartographic Journal, Cambridge Journal of Regions, Economy and Society, IEEE Visualization and Computer Graphics, Transactions in GIS, Transactions on Visualization and Computer Graphics, Cartography and Geographic Information Science, Theory, Culture & Society, Sustainability, Online Journal of Social Sciences Research, International Journal of Environmental Research and Public Health, Heliyon

Organisations: British Academy, Royal Geographical Society, British Cartographic Society

Conferences: Nordic Geographers Meeting (NGM) (2026), European Urban Research Association (EURA) Annual Conference (2023), Nordic Geological Winter Meeting (NGWM) (2022), Euro Carto (2022), Foundation for Endangered Languages (FEL) Annual Conference (2018), Free and Open Source for Geospatial Conference (FOSS4G) (2013)

Professional Memberships

- Icelandic Biological Society (Líffræðifélag Íslands)	2021 – present
- Royal Geographical Society (RGS-IGB)	2009 – present
- British Cartographic Society (BCS),	2009 – present
- Association of German University Geographers (Verband der Geographen an Deutschen Hochschulen, VGDH)	2008 – present 2006 – present
- Member of the American Association of Geographers (AAG)	2005 – present
- Member of the Icelandic Geographic Association (Félag Landfræðinga)	2017 – 2022
- Society of Cartographers (SoC)	2010 – 2019
- Interdisciplinary Centre for Health and Well-being in Public Policy (CWIPP), University of Sheffield	2009 – 2011

Publications

I have produced, with colleagues, **46 internationally peer-reviewed publications** (including **34 journal papers** and **12 books/chapters**) and **~85 scholarly outputs** (book chapters, reports, proceedings, policy/election analyses and reviews), alongside an extensive range of science communication through **100+ public engagement and knowledge exchange publications**. Recent papers were published in PLOS ONE, Regional Studies, Journal of Geography in Higher Education, Land, and Social Sciences, and chapters with Springer, Wiley and Policy Press.

Journal Papers (peer reviewed)

- Dahl, S., Bouman, L., **Hennig**, B. D., & Ballas, D. (2025) SimIceland: Towards a spatial microsimulation approach for exploring ‘green’ citizenship attitudes in island contexts. *Social Sciences*, 14(9), 525. <https://doi.org/10.3390/socsci14090525>
- **Hennig**, B.D., Roberts, B.F., Welling, J.T., Pinal, M. and Ólafsson, J. (2025) Playing for the planet? Innovating democracy through citizen participation in land use planning. *Societies* 15(1), 14. doi: 10.3390/soc15010014
- Kraas, F. and **Hennig**, B.D. (2024) Reykjavík in transformation: Urban expansion, international tourism and sustainability ambitions. *Geographische Rundschau* 76(1-2), 36-40.
- Simmons, F., **Hennig** B.D. and Kokorsch, M. (2024) Virtual walking tours as a tool for assessing place attachment and community responses to regional environmental change. *Land* 13(8), 1326. doi:10.3390/land13081326
- Panek, J., **Hennig**, B., Huck, J. and Benediktsson, K. (2023) Geospatial technologies in hazard research and response – a case study of Paper2GIS in an international field course. *Journal of Geography in Higher Education*. doi: 10.1080/03098265.2023.2263750
- Ponsioen, L., Kapralova, K., Holm, F. and **Hennig**, B.D. (2023) Remote sensing of salmonid spawning sites in freshwater ecosystems: The potential of low-cost UAV data. *PLOS ONE* 18(8): e0290736. doi: 10.1371/journal.pone.0290736
- Bannan, D., Ólafsdóttir, R. and **Hennig**, B.D. (2022) Local perspectives on climate change, its impact and adaptation: A case study from the Westfjords region of Iceland. *Climate* 10 (11). pp 169-190.
- Fernandes, A.G., Bastawrous, A., Nunes Ferraz, N., **Hennig**, B.D., et al. (2021) Eye clinic attendance at the olympic and paralympic games Rio 2016 and its correlation to the WHO indicators on eye health. *British Journal of Sports Medicine* 55 (11), 584-588. doi: 10.1136/bjsports-2020-102706
- Wami, E., Walsh, D., **Hennig**, B.D. et al (2021) Spatial and temporal inequalities in mortality in the USA, 1968-2016. *Health and Place* 70, 102586. 10.1016/j.healthplace.2021.102586
- Paull, J. and **Hennig**, B.D. (2020) A world map of biodynamic agriculture. *Agricultural and Biological Sciences Journal*, 6 (2). pp. 114-119.
- Paull, J. and **Hennig**, B.D. (2020) Rudolf Steiner education and Waldorf schools: Centenary world maps of the global diffusion of “The School of the Future”. *Journal of Social Sciences and Humanities*, 6 (1). pp. 24-33.
- **Hennig**, B.D. (2019) Remapping Geography: Using cartograms to change our views of the world. *Geography*, 104 (2). pp. 71-80.
- **Hennig**, B.D. (2019) The growth and decline of urban agglomerations in Germany. *Environment & Planning A*, 51 (6). pp. 1209-1212.

- Hennig, B.D. (2019) The new worlds of Worldmapper. *Bulletin of the Society of Cartographers*, 53 (1&2). pp. 29-35.
- Hirst, E., Knight, H.E., Ohuma, E., Dwyer, T., Hennig, B.D., Papageorgiou, A., Ismail, L.C., Villar, J., & Kennedy, S. (2019) The social gradient of birth weight in England assessed using the INTERGROWTH-21st Standard. *BMJ Archives of Disease in Childhood - Fetal and Neonatal Edition*, 104. pp. F486-F492.
- Hennig, B.D. (2018) Kartogramm zur Reichstagswahl: An early electoral cartogram of Germany. *Bulletin of the Society of Cartographers*, 52 (1&2). pp. 15-25.
- Hennig, B.D. (2018) Worldmapper: rediscovering the world. *Teaching Geography*, 43 (2). pp 66-68.
- Paull, J. and Hennig, B. (2018) Maps of Organic Agriculture in Australia. *Journal of Organics* 5 (1). pp. 29-38.
- Hennig, B.D. (2017) Mapping Geographical worlds using cartograms. *Bulletin of the Society of Cartographers*, 50 (1&2). pp. 13-20.
- Ballas, D., Dorling, D. and Hennig, B.D. (2017) Analysing the regional geography of poverty, austerity and inequality in Europe: a human cartographic perspective. *Regional Studies*, 51 (1). pp. 174-185.
- Hennig, B.D. and Dorling, D. (2016) To rule the land: mapping the 2015 general election, *Bulletin of the Society of Cartographers*, 49. pp. 31-40.
- Dorling, D. and Hennig, B.D. (2016) London and the English desert – the geography of cultural capital in the UK. *Cultural Trends*. DOI:10.1080/09548963.2015.113409.
- Paul, J. and Hennig, B. (2016) Atlas of organics: Four maps of the world of organic agriculture. *Journal of Organics*, 3 (1). pp. 25-32.
- Dorling, D. and Hennig, B. D. (2015) The UK 2015 general election. *Teaching Geography*, 3. pp. 100-103.
- Dorling, D. and Hennig, B. D. (2015) Visualizing urban and regional worlds: power, politics, and practices. *Environment and Planning A*, 47 (6). pp. 1346-1350.
- Hennig, B.D. (2014) Londonmapper – neuer Sozialatlas für eine europäische Weltstadt. *Geographische Rundschau*, 66 (10). pp. 48-49.
- Hennig, B.D. (2014) Gridded cartograms as a method for visualising earthquake risk at the global scale. *Journal of Maps*, 10 (2). pp. 186-194.
- Hennig, B.D. and Dorling, D. (2014) Mapping Inequalities in London. *Bulletin of the Society of Cartographers*, 47 (1&2). pp. 21-28.
- Hennig, B.D. (2013) The human planet. *Environment & Planning A*, 45 (3). pp. 489-491.
- Hennig, B.D. (2013) Mind the Gap: Armut und sozialräumliche Polarisierung in Großbritannien. *Geographische Rundschau*, 65 (10). pp. 55-57.
- Bastawrous, A., Hennig, B. and Livingstone, I. (2013) mHealth Possibilities in a Changing World. Distribution of Global Cell Phone Subscriptions. *Journal of Mobile Technology in Medicine*, 2 (1). pp. 22-25.
- Hennig, B.D. (2012) Reinventing the map collection: new journeys through (un)known worlds of London and America. *The Geographical Journal*, 178 (1). pp. 93-95.
- Bastawrous, A. and Hennig, B.D. (2012) The global inverse care law: a distorted map of blindness. *British Journal of Ophthalmology*, 96 (10). pp. 1357-1358.
- Paull, J. and Hennig, B. (2011) A world map of organic agriculture. *European Journal of Social Sciences*, 24 (3). pp. 360-369.

Books & Book Chapters

- Hennig, B.D. (2022) Atlas, distortion and change. In, Melzer, T. (ed.) *An Atlas of Aspect Change*. Zürich (Rollo Press). pp 105-122.
- Hennig, B.D. (2022) One year of Covid-19: Mapping the spread of a global pandemic. In, Brunn, S.D. and Gilbreath, D. (ed.) *COVID-19 and An Emerging World of Ad Hoc Geographies*. Heidelberg / New York / Dordrecht / London (Springer). pp 835-848.
- Hennig, B.D. (2022) Rediscovering the world: New maps and visualisations of a changing planet. In, Melzer, T. (ed.) *An Atlas of Aspect Change*. Zürich (Rollo Press). pp 523-536.
- Benediktsson, K., Hennig, B.D., et al. (2022) Insularity in a connected world? The COVID-19 pandemic in Iceland. In, Brunn, S.D. and Gilbreath, D. (ed.) *COVID-19 and An Emerging World of Ad Hoc Geographies*. Heidelberg / New York / Dordrecht / London (Springer). pp 115-128.
- Hennig, B.D. (2021) Cartograms. In: Richardson, D., et al. (eds.) *The international encyclopedia of geography: People, the earth, environment, and technology*. Hoboken, NJ (Wiley). doi: 10.1002/9781118786352.wbieg2031

- Ballas, D. and Hennig, B.D. (2020) **Population density, wealth, and refugee flows: new perspectives of the quality of nationality index.** In, Kochenov, D. and Lindeboom, J. (eds.) *Kälin and Kochenov's Quality of Nationality Index*. Oxford (Hart). pp 146-153.
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Conference, Seminar, and Public Talks

Over the course of my career, I have delivered more than **140 presentations** in total, including approximately **70 invited or keynote academic talks, 30 contributed conference papers and posters, and over 50 public lectures**, school presentations, and outreach events in over **15 countries**. My approach combines engagement with both academic and professional communities with a strong commitment to public communication, using accessible visual storytelling as well as participatory formats to connect geographic research with wider audiences.

Invited Talks & Keynotes

- Participatory mapping in Iceland. Urban and Regional Studies Research Institute (URSI) Seminar, University of Groningen, 2 Jun 2025, Groningen, Netherlands. (invited talk)
- Talking Maps: Visualising the Real Shape of the World. GIS and Spatial Analysis Research Seminar, Tohoku University, 24th Mar, Sendai, Japan. (invited talk)
- Mapping the Changing Environments of Iceland: An introduction into geospatial research in Iceland. Geography Seminar Series, Ritsumeikan University, 17 Mar 2025, Kyoto, Japan. (invited talk)
- Impulse für Strukturen und Sichtbarkeit der deutschen Geographie: Das Beispiel der Royal Geographical Society (Impulses for the structures and visibility of German geography: The example of the Royal Geographical Society). Klausurtagung des Verband für Geographie an deutschsprachigen Hochschulen und Forschungseinrichtungen (Association for Geography at German-speaking Universities and Research Institutions), 1-2 Nov 2024, Bonn, Germany. (invited keynote)
- From Lava Fields to Tourist Trails: Nature and Sustainable Tourism in Iceland. Summer school on Islands as Laboratories for Sustainability (ISLAs), Institut Teknologi Bandung (ITB) and Bali Tourism Polytechnic (PPB), 13 Jun 2024, Bali, Indonesia. (invited lecture)
- From Lakes to Landslides and Lava: Mapping the Changing Environments of Iceland. School of Earth and Environment Seminar Series - Te Kura Aronukurangi, University of Canterbury, 26 Oct 2023, Christchurch, New Zealand. (invited talk)
- Worldmapper: The Atlas of the Real World. Lunchtime Seminar Series, Te Kura Kairūri - School of Surveying, University of Otago, 24 Oct 2023, Dunedin, New Zealand. (invited talk)
- Geospatial Technologies in Teaching Hazard Research: Using Participatory GIS to Study the Perception of Landslide Risks. Lightning Talk at the School of Earth and Environment Seminar Series - Te Kura Aronukurangi, University of Canterbury, 20 Oct 2023, Christchurch, New Zealand. (invited talk)
- Reclaiming the Map. Power and Politics of Colonial Cartography. Lecture Series on Decolonialism. Rannsóknastofnun í jafnréttisfræðum / Institute for Gender, Equality and Difference (RIKK), University of Iceland, 13 Apr 2023, Reykjavík, Iceland. (invited talk)
- Insularity in a Connected World? The COVID-19 Pandemic in Iceland. Urban and Regional Studies Research Institute (URSI) Seminar, University of Groningen, 25 Oct 2022, Groningen, Netherlands. (invited talk)
- Scientific Storytelling. Summer school on Islands as Laboratories for Sustainability (ISLAs), University of the Aegean, 2 May 2022, Lesbos, Greece. (invited lecture)
- The people's volcano. 125th Annual Conference of the Geographical Association at the University of Surrey, 13 Apr 2022, Guildford, UK. (invited lecture)
- Worldmapper. Visibility of the Invisible Symposium, Kingston University & The Design Museum, 3 Feb 2022, London, UK. (invited talk)
- Kartenwelten des Anthropozän: Neue Ansichten einer Welt im Wandel. Lecture at Heidelberger Geographische Gesellschaft (Geographical Association of Heidelberg), University of Heidelberg, 29 Jun 2021, Germany (online). (invited lecture)
- Protected areas and landscapes: A case study from Iceland. Summer school on Islands as Laboratories for Sustainability (ISLAs), University of the Aegean / University of Groningen, 3 Jun 2021, Lesbos / Groningen, Greece / Netherlands (online). (invited lecture)
- Mapping an unequal planet. Geography research seminar, University of Groningen, 2 Jun 2021, Groningen, Netherlands (online). (invited talk)
- Reclaiming the Map: Power and politics of colonial cartography. Geographical Association, Queen Mary University of London, 9 Dec 2020, London (online), United Kingdom. (invited talk)
- Mapping the Anthropocene: Reimagining the world using cartograms. Geography seminar, University of Canterbury, 2 Dec 2019, Christchurch, New Zealand. (invited talk)

- Rediscovering the Anthropocene: Cartogram visualisations of physical and human spaces. Geography seminar, University of Tasmania, 28 Oct 2019, Hobart, Australia. (invited talk)
- Cartograms: An alternative map projection? NUS Geography seminar, Yale-National University of Singapore College, 20 Sep 2019, Singapore. (invited talk)
- Geographies of Inequality. Geographisches Kolloquium, Institute of Geography, University of Cologne, 29 Apr 2019, Köln/Cologne, Germany. (invited talk)
- Cartograms in a digital world. Material 2018, A conference exploring the concept of the web as a material, Norræna húsinu / Nordic House, 16 Nov 2018, Reykjavík, Iceland. (invited talk)
- Worldmapper: a whole new dimension of seeing our planet. 125th Anniversary Conference of the Geographical Association at Sheffield Hallam University, 6 Apr 2018, Sheffield, UK. (invited lecture)
- Inequalities in Higher Education / Ungleichheiten in der Hochschulbildung. Global Young Academy / Leopoldina National Academy of Sciences, 6th Mar, Halle, Germany. (invited expert consultation)
- Geographical perspectives: The role of spatial thinking and geovisualisation in understanding urban issues. IM927 Digital Cities: Interdisciplinary Perspectives, Centre for Interdisciplinary Methodologies, University of Warwick, 24 Jan 2018, Coventry, UK. (invited lecture and research seminar)
- Reimagining geophysical data using cartograms, National Oceanography Centre seminar series, Henry Charnock Lecture Theatre of the National Oceanography Centre, Southampton, 15th Dec, Southampton, UK. (invited talk)
- Beyond fire and ice: Mapping Iceland in the 21st Century. Afmælisráðstefna Félags landfræðinga 2016 / 30th Anniversary Symposium of the Association of Icelandic Geographers, Þjóðminjasafns Íslands / National Museum of Iceland, 30 Sep 2016, Reykjavík, Iceland. (invited talk)
- Cartograms – an alternative map projection? CartoTalk Seminar Series, Research Group Cartography, Department of Geodesy and Geoinformation, TU Wien, 31 May 2016, Vienna, Austria. (invited talk)
- Cartographies of a globalising world. University of the Aegean, 9 Dec 2015, Mytilini, Greece. (invited talk)
- Cartography of the Anthropocene. The Oxford Seminars in Cartography (TOSCA), Weston Library, 26 Nov 2015, Oxford, UK. (invited talk)
- Forschungsqualität in der Humangeographie. Deutscher Kongress für Geographie, Humboldt University, 3 Oct 2015, Berlin, Germany. (panel discussant)
- Diskussionsforum: Geographie machen im digitalen Zeitalter. Deutscher Kongress für Geographie, Humboldt University, 2 Oct 2015, Berlin, Germany. (panel chair)
- The city of the rich and the city of the poor: space and spatial segregation. Keynote lecture at the New Urban Languages conference, TU Delft, 25 Jun 2015, Delft, Netherlands. (invited keynote)
- Geographies of the Anthropocene. Keynote lecture at the Geography Summer School, Homerton College, University of Cambridge, 22-24 Jun 2015, Cambridge, UK. (invited keynote)
- Visualising Inequality and Sustainability. Lecture for the MSc in Sustainable Urban Development, Department for Continuing Education, University of Oxford, 5 Jun 2015, Oxford, UK. (lecture)
- Visualising Space and Place: New Geographies of the Anthropocene. Image – Object – Data Workshop, Department of History of Art, University of Oxford, 22 May 2015, Oxford, UK. (invited talk)
- Ein neues Bild der Erde. ESRI GISTalk, Dolce Munich, 20 May 2015, Unterschleißheim, Germany. (invited talk)
- Visualising the Physical and Social Environment of Humanity. Centre for Earth and Environmental Science Research (CEESR) seminar series, Kingston University London, 11 Feb 2015, Kingston upon Thames, UK. (invited talk)
- Mapping London: A new approach to visualising cities. Warwick Institute for The Science of Cities (WISC) seminar series, University of Warwick, 29 Jan 2015, Coventry, UK. (invited talk)
- New geographies of China. Lecture at the Department of Asian Studies at Palacký University, 12 Oct 2014, Olomouc, Czech Republic. (invited talk)
- Inequality and Sustainability, Meeting of the Sustainability Knowledge Alliance and the Environmental Audit Committee at the British Academy, 15 Oct 2014, London, UK. (invited talk)
- Society and Social Geography – designing a new social atlas of Europe, joint talk with Danny Dorling at the 50th Annual Conference of the Society of Cartographers, University of Glasgow, 1 Sep 2014, Glasgow, UK. (invited joint talk)
- The Social Atlas of Europe. Book launch session with Dimitris Ballas and Danny Dorling, RGS Annual Conference, 27 Aug 2014, London, UK. (invited joint talk)

- Smashing your views of the world. Practical session at the Future Geographers programme, Annual Conference of the Geographical Association, University of Surrey. 16 Apr 2014, Guildford, UK. (invited talk)
- Worldmapper: The world as you've never seen it before. Panelist on the session on Time to harvest the low hanging webviz fruit? Tools and strategies for promoting experts, education, and leveraging non-specialists using geographic visualizations on the web. AAG Annual Meeting, 9 Apr 2014, Tampa (FL), USA. (invited talk)
- Visualisations of a country in transition. Conference on the socio-economic transition of China, Palacký University, 3-6 Apr 2014, Olomouc, Czech Republic. (invited talk)
- Visualising Spatial Social Structures. Seminar series on 'Geographies of injustice', School of International Development, University of East Anglia, 28 Nov 2013, Norwich, UK. (invited talk)
- Kartenwelten des Anthropozän. Research seminar series at the Department of Geography, 24 Oct 2013, University of Frankfurt a.M., Germany. (invited talk)
- Planet der Menschen. Public lecture series at the Fränkische Geographische Gesellschaft, 21 Oct 2013, University of Erlangen, Germany. (invited talk)
- Think before you map. FOSS4G, OSGeo's Global Conference for Open Source Geospatial Software, 17 Sep 2013, Nottingham, UK. (invited keynote)
- Mapping London. 49th Annual Conference of the Society of Cartographers, 4 Sep 2013, Staffordshire University, Stoke-on-Trent, UK. (invited talk)
- Visualisation of geospatial data. ESRC/HEA workshop on Visualisation and Teaching Quantitative Research Methods, 29 May 2013, Loughborough University, UK. (invited talk)
- Cartograms as representations of geographic space. Towards Multivariate Network Visualization, Dagstuhl Seminar on Information Visualization, 14-16 May 2013, University of Saarland, Germany. (invited talk)
- One Planet, Many Worlds: Visualising the Social and Physical Environment of Humanity. Looking to the future, Geographical Association Annual Conference, 6 Apr 2013, University of Derby, UK. (invited talk)
- Map Transformations of Human and Physical Space. Keynote at the Geography Forum of the UK Department for Environment, Food and Rural Affairs (Defra) GI network, 12 Feb 2013, York, UK. (invited keynote)
- Spaces of the Anthropocene. Impulse workshop for the Anthropozän special exhibition at Deutsches Museum (German Museum for Science and Technology), 26 Jan 2013, Munich, Germany. (invited talk)
- Megacity London - ever growing, ever more unequal. Event on Tackling poverty and exclusion in London organized by the Sheila McKechnie Foundation, 15 Jan 2013, London, UK. (invited talk)
- The Visualisation of spatial social structure. Critical methods workshop on (How) do we understand Capitalism?, 13 Sep 2012, University of Manchester, UK. (invited talk)
- From geovisualisation to neocartography: Maps in a digital world. Inaugural session of the ICA Neocartography Commission, 5 Sep 2012, London, UK. (invited talk)
- What do you want to map today? Research seminar at the Food and Environment Research Agency of the UK Department for Environment, Food and Rural Affairs, 23 Aug 2012, York, UK. (invited talk)
- Planet der Menschen: Neue Kartenwelten im Anthropozän. Nominated entry for final round of the German Study Award of the Körber Foundation (Abschlussstagung des Deutschen Studienpreises), 4 Jul 2012, Berlin, Germany. (invited talk)
- A tale of two cities: London's health inequalities. BMA & London Deanery seminar series on Metropolitan Medicine, 2 Jul 2012, London, UK. (invited talk)
- Changing views of a changing planet. Mapping the global village, Annual symposium of the British Cartographic Society, 14 Jun 2012, Hook/Basingstoke, UK. (invited talk)
- Visualising weather patterns: New maps from quantitative data. Visualising the future of our planet - Can we do better than heat maps. Expert workshop by Microsoft Research Cambridge. 16 Apr 2012, University of Cambridge, UK. (invited delegate's talk)
- The human planet. Plenary of the Population Specialty Group, AAG Annual Meeting, 26 Feb 2012, New York City, USA. (invited plenary talk)
- Mapping people, not sheep: Why our planet's well-being can look so different. IDEA CETL Applied Ethics Research seminar, 14 Mar 2011, University of Leeds, UK. (invited talk)
- People powered maps: Geovisualisierung im Zeitalter der Globalisierung. Kartographisches Kolloquium der Deutschen Gesellschaft für Kartographie, 28 Oct 2010, Karlsruhe, Germany. (invited talk)

- Making visible global injustice in health: mapping the causes of 57 million deaths. Medsin Global Health Conference, 28 Mar 2010, Newcastle, UK. (invited joint keynote)
- Preparing for "Peak Population": how the UK fits within world demography. The Royal Commission on Environmental Pollution, 4 Feb 2010, London, UK. (invited joint talk)
- Social mobility does not matter where it is high, because the size of the gap from top to bottom is so low. Social Research Association Annual Conference, 15 Dec 2009, London, UK. (invited joint talk)
- Cartography of the financial markets: visualizations of an economic world. International Conference Architecture and the City in the Financial Crisis (Architektur und Stadt in der Finanzkrise), Stiftung Bauhaus, 14 Nov 2009, Dessau, Germany. (invited talk)

Contributed Papers & Posters

- Playing for the Planet? Innovating Democracy through Citizen Participation in Nature Conservation. Full paper in the session on Geography and Data Science for Public Good, AAG Annual Meeting, 9 Apr 2024, Honolulu (HI), USA. (conference paper)
- Stalking fish: a yearlong look into habitat utilisation of Arctic charr in Thingvallavatn. Joint paper by L. Ponsioen, F. Finn, G. Hellström, H.R. Ingvason, B.D. Hennig, Z.O. Jónsson, F. Ingimarsson, and K.H. Kapralova at Vistís 2024 / Ecolce 2024, Vistfræðifélag Íslands / The Icelandic Ecological Society, University of Iceland, 5 Apr 2024, Reykjavík, Iceland. (conference paper)
- Remote sensing of salmonid spawning sites in freshwater ecosystems: The potential of low-cost UAV data. Joint poster by L. Ponsioen, K.H. Kapralova, F. Holm, and B.D. Hennig at the biannual Biology conference, University of Iceland, Oct 2023, Reykjavík, Iceland. (poster)
- Displacement measurements of three slow moving landslides at Almenningar, north Iceland. A feature tracking application. Joint paper by E.A. Ninuson, P. Sæmundsson, and B.D. Hennig at the EGU General Assembly 2023, 24–28 Apr 2023, Vienna, Austria. (conference paper)
- Cartograms in geosciences: Alternative visualisations of our dynamic Earth. The 35th Nordic Geological Winter Meeting, University of Iceland, 12 May 2022, Reykjavík, Iceland. (conference paper)
- Spatial distribution of grazing pressure in the Icelandic highlands. Joint paper by N. Boulanger-Lapointe, I. Barrio, K. Ágústsdóttir, B.D. Hennig, I.S. Jónsdóttir, B. Marteinsdóttir, M. Möller, Ó.K. Nielsen, S.G. Þórisson at the Annual Conference of the Icelandic Ecological Society, 17 Apr 2021 (online). (conference paper)
- Sustainable Agriculture: The Distribution of Biodynamics and Organics in Australia. Joint lecture by with John Paull at the Environmental Development and Sustainability Beyond 2020 conference, Faculty of Science & Natural Resources, University Malaysia Sabah, Sabah (online). (conference paper)
- Re-Enlightening Views of the World. Annual General Meeting of the Global Young Academy, Leopoldina Nationale Akademie der Wissenschaften, 2nd May, Halle (Saale), Germany. (conference paper)
- Worldmapper: Rediscovering the World. Full paper and session organiser in the session on The challenges and potentials of contemporary atlases, AAG Annual Meeting, 13 Apr 2018, New Orleans (LA), USA. (conference paper)
- The Human Atlas of Europe. Full paper and panel discussant in the sessions on The Futures of Atlases, AAG Annual Meeting, 6th Apr, Boston (MA), USA. (conference paper)
- Visions of (Un)Sustainability. Sustainable Earth Conference, University of Plymouth, 24 Jun 2016, Plymouth, UK. (conference paper)
- Spaces in the sea: New approaches to mapping islands. Paper presentation at the ISISA Islands of the World XIV Conference, 23-27 May 2016, Mytilene, Lesbos, Greece. (conference paper)
- A Social Atlas of Europe. Paper presentation in the session on Other cartographies, other geographies, other voices. AAG Annual Meeting, 1 Apr 2016, San Francisco (CA), USA. (conference paper)
- Alternative Visualisierungsmethoden soziodemographischer Daten: Urbane Veränderungsprozesse in Deutschland. Deutscher Kongress für Geographie, Humboldt University, 1-6 Oct 2015, Berlin, Germany. (poster)
- "Calling Abidjan" – estimating population distribution through analysis of mobile phone call data records (joint talk with Harald Sterly). Session on Extended Spatial Analytics, Deutscher Kongress für Geographie, Humboldt University, 1 Oct 2015, Berlin, Germany. (conference paper)
- Electoral doctrine: 39 maps of voting. Mapping together, joint annual conference of the British Cartographic Society and Society of Cartographers, 8-10 Sep 2015, York, UK. (poster)
- Mapping practices in a digital world. International Early Career Scholars Institutes in GIScience – 2015 Vespucci Institute, College of the Atlantic, 2 Jul 2015, Bar Harbor (ME), USA. (talk)

- Visualization of Satellite Data Availability: TerraSAR-X and TanDEM-X Running Against Time. Joint paper presentation with Simon Hennig in the session on Real-time GIS: System and Science. AAG Annual Meeting, 8 Apr 2014, Tampa (FL), USA. (conference paper)
- Visualising wilderness. 10th World Wilderness Congress, 4-10 Oct 2013, Salamanca, Spain. (conference paper & poster)
- Global spaces of food production. 48th Annual Conference of the Society of Cartographers, 4 Sep 2012, London, UK. (conference paper)
- Where does it always rain on us? 47th Annual Conference of the Society of Cartographers, 6 Sep 2011, Plymouth, UK. (conference paper)
- Gridded cartograms and the world population atlas. 46th Annual Conference of the Society of Cartographers, 8-10 Sep 2010, Manchester, UK. (conference paper and poster)
- People powered maps: A population-centric map projection. Annual Meeting of the Association of American Geographers, 14-18 Apr 2010, Washington DC, USA. (conference paper)
- Geovisualisation of flows: Finding new approaches to map an interdependent world. Annual Conference of the Royal Geographical Society, 26-28 Aug 2009, Manchester, UK. (poster)
- Re-Mapping the world's population. ESRI International User Conference, 13-17 Jul 2009. San Diego, USA. (talk and conference proceedings paper with Ramsden, M., D. Ballas, J. Pritchard and D. Dorling)
- Re-Drawing the world: An approach towards a gridded world population cartogram. GIS Research UK 17th annual conference, 1-3 Apr 2009, Durham, UK. (conference paper and conference proceedings paper)
- Der Einsatz hyperspektraler Fernerkundungsdaten bei der Biotopkartierung im Gezeitenbereich. Deutscher Geographentag, 2 Sep – 5 Oct 2007, Bayreuth, Germany. (poster)
- Hyperspectral remote sensing and analysis of intertidal zones - A contribution to monitor coastal biodiversity. GI_Forum, 3-6 Jul 2007, Salzburg, Austria. (conference paper and reviewed full paper with Bartsch, I. and C. Cogan)
- Mapping of small-scale intertidal macrophyte communities at the island of Helgoland (North Sea) using hyperspectral remote sensing images. 2nd EARSeL Workshop Remote Sensing of the Coastal Zone, 9-11 Jun 2005, Porto, Portugal. (conference paper)
- Macrophyte monitoring by hyperspectral remote sensing and ground based biotope mapping - a tool to assist the monitoring demands of the EU-water frame work directive? MarBEF workshop: How to detect changes in biodiversity - concepts, methods and tools, 2-4 Feb 2005, Banyuls, France. (conference paper)
- Der Einsatz hyperspektraler Fernerkundungsdaten bei der Biotopkartierung im Gezeitenbereich. 2. Jahrestagung des Arbeitskreises Fernerkundung (Annual Meeting of the Working Group Remote Sensing), 19-20 Nov 2004, Bonn, Germany. (poster)

Schools & Public Engagement

- Talandi kort - Heimurinn eins og þú hefur aldrei séð hann áður, European Researchers Night (Vísindavaka Rannís, 20th Anniversary), 27 Sep 2025, Laugardalshöll, Reykjavík, Iceland. (invited lecture)
- Talking Maps, European Researchers Night (Vísindavaka Rannís), 28 Sep 2024, Laugardalshöll, Reykjavík, Iceland. (public presentation)
- Reykjanes Rumbles: Geological Changes and Societal Challenges Of The Ongoing Volcanic Eruptions in South-West Iceland. Lecture at the PTI's Geography Enrichment Series, 26 Jun 2024, UK (online). (invited lecture)
- Geldingadalir, Iceland: Tales from the birth of a volcano. Lecture at the PTI's Geography Enrichment Series, 29 Jun 2021, UK (online). (invited lecture)
- Margar myndir Afríku í kortagerðarverkefninu Worldmapper. Africa 20:20 lecture, University of Iceland, 6 May 2019, Reykjavík, Iceland. (invited talk)
- Atlas of the Anthropocene: Understanding Human-Environmental Relationships. Oxford Study Programme at Lady Margaret Hall, University of Oxford, 30 Jan 2019, Oxford, UK. (invited keynote)
- Understanding sustainability and inequality through geographic perspectives. Oxford International Study Abroad Programme, Lady Margaret Hall, University of Oxford. 20 Aug 2018, Oxford, UK. (invited lecture)
- Visualising geography. Oxford Study Programme at Lady Margaret Hall, University of Oxford. 30th Jul / 3 Aug 2018, Oxford, UK. (invited keynotes)

- The geography of health. Model United Nations Conference, Cardinal Newman School, 10/11 Jul 2018, Brighton/Hove, UK. (invited talk, workshop)
- Making WorldMapper style maps using free GIS tools. Princes' Teaching Institute Subject Day for Geography, 9 Jul 2018, London, UK. (invited talk)
- A brief introduction into making cartograms using QGIS. 125th Anniversary Conference of the Geographical Association at Sheffield Hallam University, 7 Apr 2018, Sheffield, UK. (workshop)
- Sustainable Development Goals: Data and Visualisation for Development. Oxford Study Programme at Lady Margaret Hall, University of Oxford, 8 Feb 2018, Oxford, UK. (invited keynote)
- Visualising Sustainability. Oxford Study Programme at Worcester College, University of Oxford, 24 Jan 2018, Oxford, UK. (invited keynote)
- Cartography: Good, bad, or "necessary evil"? LÍSA Jólaráðstefna / LÍSA Christmas Conference, Norræna húsinu / Nordic House, 30th Nov, Reykjavík, Iceland. (invited talk)
- Landscape and nature in the Anthropocene: Visualising sustainability in the 21st century. Oxford Study Programme at Lady Margaret Hall, University of Oxford. 22nd Jul / 8th Aug, Oxford, UK. (invited keynote, workshop)
- The geography of health. Model United Nations Conference, Cardinal Newman School, 11/12th Jul, Brighton/Hove, UK. (invited talk, workshop)
- Can geography help us avert catastrophe? Geography Festival, Bedales School, 29th Jun, Steep UK. (invited talk, discussant, workshop)
- Visualising the Anthropocene. LUV (Líf- og umhverfisvísindadeild / Life and Environmental Sciences) Research Seminar Series, Askja, University of Iceland, 27 Feb 2017, Reykjavík, Iceland. (talk)
- Mapping the Anthropocene. Oxford Study Programme at Merton College, University of Oxford, 13 Feb 2017, Oxford, UK. (invited keynote)
- Visualising Sustainability. Oxford Study Programme at Worcester College, University of Oxford, 24 Jan 2017, Oxford, UK. (invited keynote)
- Ein alternativer Atlas der Weltbevölkerung. Zentrum für Geoinformationswesen der Bundeswehr, 9 Dec 2016, Euskirchen, Germany. (invited talk)
- Cartograms – an alternative map projection? GIS Day organised by LISA in cooperation with the University of Iceland / GIS dagurinn er skipulagður af LÍSU samtökunum í samstarfi við námsbraut í land- og ferðamálafræði, Háskóla Íslands, 16 Nov 2016, Reykjavík, Iceland. (invited talk)
- Á hverfanda hveli? Kortlagning hins strjálbýla heims. Vísindadagur 2016, Verkfræði- og náttúruvísindasviðs Háskóla Íslands / Science Day at the School of Engineering and Natural Sciences, University of Iceland, 29 Oct 2016, Reykjavík, Iceland. (poster)
- Visualising Sustainability. Oxford Study Programme at St. Cross College, University of Oxford, 30 Jul 2016, Oxford, UK. (invited keynote)
- Geographies of health. Model United Nations Conference at Newman Sixth Form College, 12 Jul 2016, Hove, UK. (invited keynote)
- Seven new maps of the world. Oxfordshire Science Festival 2016, Story Museum, 24 Jun 2016, Oxford, UK. (invited talk)
- Remapping the World. GIS Day 2016, King's Ely School, 21 Jun 2016, Ely/Cambridgeshire, UK. (invited keynote)
- The Power of Maps: A cartographic journey along the world's borders. Geopolitics and borders, Princes' Teaching Institute New Teacher Subject Day for Geography, Altrincham Girls' Grammar School, 5 Mar 2016, Altrincham, UK. (invited talk & workshop)
- Vision of the Anthropocene. Climate Culture: Making the Anthropocene, event by agile-ox & Tandem, in association with The Oxford Research Centre in the Humanities and the School of Geography and the Environment, University of Oxford, 26 Feb 2016, Oxford, UK. (invited talk)
- Visualising Sustainability. Oxford Study Programme at Merton College, University of Oxford, 2 Feb 2016, Oxford, UK. (invited keynote)
- Changing the climate, changing the world. Y9 Climate Change Conference, Haberdashers' Aske's Boys' School Geographical Association, 1 Feb 2016, Elstree, UK. (invited lecture)
- Visualisations of the Anthropocene – investigating humanity's impact on the Earth. Berkhamsted School Geographical Association, 19 Jan 2016, Berkhamsted, UK. (invited lecture)
- Map cube activity. Super Science Saturday. Museum of Natural History, University of Oxford, 28 Nov 2015, Oxford, UK. (presentation)
- Warped worlds. 'Restless Earth' GSCE Geography Day. Museum of Natural History, University of Oxford, 21 Oct 2015, Oxford, UK. (invited talk)

- Humanity's impact on Earth. Keynote lecture on Sustainable Development. Oxford Study Programme at St Cross College, University of Oxford, 30 Jul 2015, Oxford, UK. (invited keynote)
- Poverty and Wealth in London. Talk at the Social Exclusion Data Users Group, Greater London Authority, City Hall, 15 Jul 2015, London, UK. (invited talk)
- Mapping inequality. Joint talk with Danny Dorling at Living Maps Seminar Series, Young Foundation London, 17 Mar 2015, London, UK. (invited talk)
- Poverty and inequality in London. Philanthropy in Action, Social Venture Partners Meeting, Kingsway Hall Hotel, 11 Dec 2014, London, UK. (invited talk)
- One Planet, Many Worlds: Novel visualisations of the spaces we live in, 2014 Schools Programme Day at the Prince's Teaching Institute, Merchant Taylors' Hall, 30 Jun 2014, London, UK. (invited talk)
- Londonmapper. #geomob, Google Campus, 18 Mar 2014, London, UK. (invited talk)
- Data driven storytelling: the impact of visualisations on teaching and research. Panelist at the Jisc Digital Festival, 11 Mar 2014, Birmingham, UK. (invited talk)
- A new image of the World. 1887 Society, Mansfield College, University of Oxford, 25 Nov 2013, Oxford UK. (invited talk)
- Breaking the Walls of World Views. Falling Walls Lab, Berlin Academy of the Konrad-Adenauer-Stiftung, 8 Nov 2013, Berlin, Germany. (invited talk)
- Ein neues Bild der Erde. Public lecture at the Deutschen Gesellschaft für Kartographie / Bundesamt für Kartographie und Geodäsie, 23 Oct 2013, Frankfurt a.M., Germany. (invited talk)
- Warped worlds: Visualising a changing planet. U3A Science and Technology Group, 13 May 2013, Sheffield, UK. (invited talk)
- A journey to the centre of the planet. Ranmoor Lunchtime Lecture, 3 May 2012, Sheffield, UK. (talk)
- The relativity of space: Warping our views of the world. Human Geography Seminar Series, Postgraduate Presentations, 31 May 2011, University of Sheffield, UK. (talk)
- Using Worldmapper in teaching - discussing inequality in the classroom. Prince's Trust Summer School for Secondary School Geography teachers, 28 Jun 2010, Cambridge, UK. (invited joint talk)
- Mapping a (un)happy humanity: a new perspective on our planet's well-being. Exhibition to mark the re-launch of the Centre of Health and Well-being in Public Policy (CWIPP) at the University of Sheffield, Dec 2009, Sheffield, UK. (poster)

Further Experience & Skills

Technical Skills

I have extensive research experience in geospatial technologies and data analysis, combining advanced expertise in GIS (QGIS, ArcGIS), remote sensing (ENVI, ODM, Pix4D, Agisoft Metashape, DJI Terra), and spatial modelling with proficiency in R and experience in using Python for reproducible geocomputation. My work integrates cartographic design, UAV photogrammetry, GPS-aided surveying, and satellite image processing to analyse environmental and social systems. Alongside geospatial methods, I apply quantitative and qualitative research tools, including statistical modelling and NVivo for qualitative coding. This is complemented by strengths and a keen interest in data visualisation, science communication, and digital cartography using a wide range of digital platforms and environments, including web-based interactive mapping and an increasing interest in deploying Virtual Reality technology for academic and applied research.

Languages

German (native), English (fluent), Icelandic (basic), Spanish (basic), Dutch (basic), Latin (proficiency certificate)