



NORCE Norwegian Research Centre AS

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Siri Veland Curriculum Vitae

KEY QUALIFICATIONS

Human geographer with 15 years experience on international collaboration on transformative perspectives on more inclusive and just human-environment interactions, with strong leadership experience in grants, publications, and service.

FORMAL TRAINING

- 2007-2012 PhD Approval date: 01.04.2012
Department of Human Geography Macquarie University, Australia
- 2003-2005 Master in Management of Natural Resources and Sustainable Agriculture
Noragric, Norwegian University of Life Sciences
- 1999-2001 Bachelor of Environmental Science
Department of Geography, Macquarie University, Australia

POSITIONS HELD

- 2020- Senior Researcher / Seniorforsker
NORCE Bergen, Norway
- 2020- Research Director / Forskingsleder
Nordland Research Institute, Bodø Norway
- 2018- Senior Researcher / Seniorforsker
Nordland Research Institute, Bodø Norway
- 2018- Honorary Professor of Environmental Studies
Institute at Brown for Environment and Society (IBES) Brown University
- 2012- Honorary Associate,
Macquarie University Department of Geography and Planning
- 2015-2018 Assistant Professor (Research) of Environmental Studies
Institute at Brown for Environment and Society (IBES), Brown University, USA
- 2013-2014 Postdoctoral Researcher
Institute at Brown for Environment and Society (IBES), Brown University, USA
- 2014 Visiting scholar
Nordland Research Institute Bodø, Norway (February-March)
- 2007-2009 Teaching Assistant,
Department of Human Geography, Macquarie University
- 2008-2009 Consultant
University of New South Wales Global
- 2008-2009 Assistant
Climate Risk Centre of Research Excellence (CoRE) Macquarie University

SCIENTIFIC WORK

A. PROJECTS

Ongoing projects

- 2020-2024 WP Lead NORCE, "CPAD, Navigating Convergent Pressures on Arctic Development" US National Science Foundation, Navigating the New Arctic, Track 1: Collaborative Research Grant #2022599

- 2020-2024 Project partner NORCE, "OceanNETs Ocean-based Negative Emission Technologies - analyzing the feasibility, risks, and cobenefits of ocean-based negative emission technologies for stabilizing the climate" European Commission. LC-CLA-02-2019: Building a low-carbon, climate resilient future: climate action in support of the Paris Agreement
- 2020-2024 Project partner and WP leader from Nordland Research Institute, "TIPPING+Enabling Positive Tipping Points towards clean-energy transitions in Coal and Carbon Intensive Regions." European Commission Horizon 2020 EUR 3mill. Contributing examination of Svalbard and the Norwegian continental shelf.
- 2020-2023 Co-principal investigator for NORCE/Nordland Research Institute. "OutGen - Sustainable Rural Environments: Practicing, Managing, and Performing the Gendered Outfields" (Other Support - MILJØFORSK) Application Number: ES639650 Project Number: 303146. Fieldwork in Sunnfjord region, Norway.
- 2018-2021 Principal Investigator Nordland Research Institute, "Modeling risk of transformative change in a coupled natural-human system at the Arctic ice edge" USD 624,170.00. Unites States National Science Foundation Coupled Natural-Human Systems (CNH), Navigating the New Arctic (NNA)
- 2018-2021 Project collaborator Brown University, "Navigating the new arctic (NNA): co-production of shorefast ice knowledge in Uummanaq Bay, Greenland" Unites States National Science Foundation USD 441,962. Working with the Inuit township on improving sea ice maps
- 2018-2021 Project collaborator Nordland Research Institute, "Social-ecological relations and gender equality: Dynamics and processes for transformational change (SEQUAL)". Horizon 2020 Societal Challenges. Case study on reindeer and sheep herding in Salten, Norway.
- 2019-2020 Project leader, "Climate system couplings to shipping policy and investments in Svalbard and the High Arctic" NOK 240,000. Research Council of Norway and Svalbard Strategic Grant to hold a workshop about management and sharing of research data, at the Arctic Shipping Forum.
- 2017-2020 Project collaborator, "Opportunities and trade-offs in managing kelp forest in an era of blue growth (OPTIMAKELP). Leading work package to run workshops in three Norwegian coastal communities on kelp forest management.

Previous projects

- 2020-2020 Project partner Nordland Research Institute. "Field of Goals - Co-production and implementation of the Sustainable DevelopmentGoals in regional and local planning" (Other Support - DEMOS).
- 2019-2020 Project partner Nordland Research Institute, "The future of Arctic coastal ecosystems – Identifying transitions in fjord systems and adjacent coastal areas: Face-IT" EU LC-CLA-07-2019
- 2019-2020 Project collaborator, assisting Nordland Municipal County Government implement the Sustainable Development Goals. NOK 1,000,000. Three connected projects conducting workshops, managing data, and creating scenarios.
- 2016-2017 Project coordinator, "Climate change as trigger for innovative practice in smallholder farming systems (Climate Change TIPiFS)" USD 8,000. Brown International Advanced Research Institute (BIARI) Seed Grant

- 2014-2018 Principal Investigator for United States component of “Arctic petroleum development as a challenge to societies: A comparative look at Norwegian, Greenlandic and US case sites (ARCTICCHALLENGE)” USD 175K Norwegian Research Foundation PETROSAM
- 2013-2014. Brown University OVPR Seed Fund Project: “Exploring Knowledge Networks that Shape Arctic Resource Developments” USD 99,417,
- 2007-2012 iMURS International Macquarie University Research Scholarship to support PhD research “Indigenous Responses to Climate-Related Hazards”

B. COMMUNITY SERVICE

- 2019-2020 Project collaborator, three linked community service projects assisting the Nordland Municipal County, Norway implement the Sustainable Development Goals in spatial planning through scenario planning, workshops, and data management.

C. PUBLICATIONS

Dissertations

1. **Veland, S. (2011).** Indigenous Contexts of Climate and Change: Narrating Local Realities Within Global Discourses, PhD thesis Macquarie University, Faculty of Science, Department of Environment and Geography.
2. **Veland, S. (2005)** Building houses on sand: Resilience analysis of erosion, sedimentation and coastal management in Msasani bay, Tanzania. MSc, University of Life Sciences, Norway.

Refereed journal articles

3. Steiro, VMD, JC Ryan, SW Cooley, LC Smith, B Dale, AH Lynch, **S. Veland** "Changes in sea ice travel conditions in Uummannaq Fjord, Greenland (1985-2019) assessed through remote sensing and transportation accessibility modeling" *Polar Geography*
4. Li, X, AH Lynch, DA Bailey, SR Stephenson and **S Veland** (in review) “The Impact of Black Carbon Emissions from Projected Arctic Shipping on Regional Ice Transport» *Climate Dynamics (CLDY)*
5. Veland, S., I. Gram-Hanssen, A. Lynch (in review) “Can the SDGs harness the means and the manner of transformation?” submitted to a special issue on “The ‘how’ of transformation” in Sustainability Science
6. Bjørkan, M., **S. Veland** (2019) “Beyond consensus: perceptions of risk from petroleum developments in Lofoten, Vesterålen, and Senja, Norway”, *ICES Journal of Marine Science*, <https://doi.org/10.1093/icesjms/fsz056>
7. Dale, B., **S. Veland**, A. Merrild-Hansen. (2018) “Petroleum as a Challenge to Arctic Societies.” *Extractive Industries and Society* **Volume 6, Issue 2**, April 2019, Pages 367-377. <https://doi.org/10.1016/j.exis.2018.10.002>
8. **Veland, S.**, M. Schoville-Simonds, A.K. Schorre, A. Lynch, M.J. Nordbø, G. Hochachka, I. Gram-Hanssen, A. ElKhoury, M. Bjørkan. (2018) “Narrative matters for sustainability: reaching 1.5°C futures by transforming the role of storytelling”. Special issue of *Current Opinion in Environmental Sustainability (COSUST)*, on "1.5°C Climate Change and Social Transformation" [10.1016/j.cosust.2017.12.005](https://doi.org/10.1016/j.cosust.2017.12.005)
9. **Veland, S.** (2017) “Transcending ontological schisms in earth, sea ice, and air”. *Weather, Climate and Society* special issue *Thinking the Earth: Ways of Knowing, Modes of Care* (2017). 9 (3), 607-619 DOI: <http://dx.doi.org/10.1175/WCAS-D-16-0123.1>
10. Lynch, A.H., Griggs, D., Joachim, L., Salminen, E., Heider, C., Zhu, X., **Veland, S.** (2016) Addressing the Challenges of Diverse Knowledge Systems through Landscape Analysis: A Case Study in the Barmah-Millewa, Australia”. *Regional Environmental Change* 17 (3), 767-776. DOI [10.1007/s10113-016-1069-1](https://doi.org/10.1007/s10113-016-1069-1)

11. **Veland, S.** and Lynch, A.H. (2016) "Scaling the Anthropocene: how the stories we tell matter" *Geoforum* 72, 1-5 <http://dx.doi.org/10.1016/j.geoforum.2016.03.006> 0016-7185/
12. **Veland, S.** and Lynch, A.H. (2016) "Arctic ice edge narratives: scale, discourse, and ontological security" *Area* 49 (1), 9-17 doi: 10.1111/area.12270
13. **Veland, S.**, Lynch, A.H., Bischoff-Mattson, Z., Joachim, L., and Johnson, N. (2014) "All Strings Attached: Negotiating relationships of Geographic Information Science". *Geographical Research* 52(3):296-308.
14. **Veland, S.**, Howitt, R., Dominey-Howes, D., Thomalla, F.z & Houston, D. (2013) Procedural Vulnerability: Environmental Change and Community Resilience in a Remote Indigenous Community. *Global Environmental Change* 23(1): 314-26
15. Howitt, R., Kim D., Suchet-Pearson, S., Cross, S., Lawrence, R., Lunkapis, G.J., Muller, S., Prout, S., and **Veland, S.** (2013). Intercultural Capacity Deficits: Contested Geographies of Coexistence in Natural Resource Management. *Asia Pacific Viewpoint*, Special Issue: New Geographies of Coexistence: reconsidering cultural interfaces in resource and environmental governance.
16. Howitt, R., Havnen, O. and **Veland, S.** 2012. Natural and unnatural disasters: Responding with respect for Indigenous rights and knowledges, *Geographical Research* 50 (1), 47-59
17. de Jong, S. L. v. Z., Dominey-Howes, D., Roman, C. E., Calgaro, E., Gero, A., **Veland, S.**, Bird, D. K., Muliaina, T., Tuiloma-Sua, D. & Afioga, T. L. (2011). Process, practice and priorities - key lessons learnt undertaking sensitive social reconnaissance research as part of an (UNESCO-IOC) International Tsunami Survey Team. *Earth-Science Reviews*, 107 174-192.
18. **Veland, S.**, Howitt, R. & Dominey-Howes, D. (2010). Invisible institutions in emergencies: Evacuating the remote Indigenous community of Waruwi, Northern Territory Australia, from Cyclone Monica. *Environmental Hazards*, Volume 9(2), 197-214.

Books and book chapters

19. Lynch, A.H. and **Veland, S.** (2018) *Urgency in the Anthropocene*. MIT Press. ISBN: 9780262535762.
20. Howitt, R., K. Doohan, S. Suchet-Pearson, G. Lunkapis, S. Muller, R. Lawrence, S. Prout, **S. Veland**, and S. Cross. (2013) "Capacity Deficits at Cultural Interfaces of Land and Sea Management." *Reclaiming Indigenous Planning*, edited by R. Walker, Jojola T and D. Natcher. 313-58. Toronto: McGill-Queen's Press-MQUP

Reports

21. Department of Climate Change. 2009 Indigenous vulnerability to climate change in Northern Tropical Australia. Report to the Australian Government Department of Climate Change (DCC)
22. UNESCO-IOC. 2009 *International Tsunami Survey Team Samoa Interim Report of Field Survey 14th-21st October 2009*. United Nations Educational Scientific and Cultural Organization (UNESCO) and the Intergovernmental Oceanographic Commission (IOC).

Popular scientific publications

23. Risvoll, C., Pavall, M., Lifjell, T., Eilertsen, S.M., Lundberg, A.K. og **Veland, S.** (2019). Synliggjøring av flaskehalsar – et steg i retning av mer representative kart (Rendering bottlenecks visible – a step toward more representative maps). *Reindriftnytt (Reindeer herding bulletin)* 1/2019:10-16.
24. Bjørkan, M., Risvoll, C., **Veland S.** OpEd in *Rana Blad* on food security
25. **Veland, S.** 2019. "Worldview" live radio interview with Jerome McDonnell on NPR Radio WBEZ Chicago. 2019-05-16
26. Lynch, A. and **S. Veland**. 2019 "165 – Amanda Lynch & Siri Veland" Cultures of Energy Podcast with Cymene Howe and Dominique Boyer. 2019-02-21 <http://culturesofenergy.com/165-amanda-lynch-siri-veland/>
27. **Veland, S.** and A. Lynch. 2018. "Urgency in the Anthropocene". Podcast with the New Books Network. <https://newbooksnetwork.com/amanda-h-lynch-and-siri-veland-u> 2018-12-03
28. **Veland, S.** 2018. "The Thing to do is to Start Out". Blog entry at MIT Press <https://mitpress.mit.edu/blog/thing-do-start-out> 2018-10-24

29. **Veland, S.** 2017. "Jordbruget spesialiseres til sårbarhet". Op-ed on smallholder farming and outfield management in national Norwegian newspaper *Bergens Tidende* Feb. 20th 2017.

D. PRESENTATIONS

Invited speaker

30. **Veland, S.** American Anthropological Society special session invitation to talk: The mythic and imaginary: narratives of the future for a warming world (or Narrating the future for a warming world). Vancouver, Canada, November 2019
31. **Veland, S.** Earth, Itself event - Blue Sky: Imagining the possible. Adaptation and agility in a Warming World. Brown University, April 2019
32. **Veland, S.** "Arctic ice edge narratives: discourse, scale, and ontological security" Association of American Geographers annual meeting in San Francisco March 28-April 4th 2016 to the special session, *From Ontological Shifts to Action on the Ground*, organized by Karen O'Brien <http://meridian.aag.org/callforpapers/program/SessionDetail.cfm?SessionID=25002&cal=true>

Oral conference paper presentations

33. **Veland, S.** I. Gram-Hanssen, D. Maggs, A. Lynch, and A.K. Lundberg. 2019 "The Art of the Fugue: Counterpoints and shadow narratives of the Sustainable Development Goals" AAA Annual Meeting in Vancouver, Canada
34. Goldstein, M., Bailey, D., and **Veland, S.** 2019 "Modeling risk from black carbon in a coupled natural-human system at the Arctic ice edge." Arctic Shipping Forum, Helsinki, Finland 2019
35. **Veland, S.** 2018 "Reason for valuing smallholder farmers' ecosystem services in maintaining biodiversity and food productivity in Western Norway" Adapting Innovation in Grassland Management to Farmers' Needs to Face Social and Climatic Changes, Lofoten, Norway
36. Bjørkan, M. and **Veland, S.** 2017. "Perception of risk from seismic activities for fisheries and subsistence in Norway." International Society for the Scientific Study of Subjectivity, Glasgow, UK 2017-09-7-9
37. **Veland, S.** 2017. "Human-natural system transformations at the Arctic ice edge: Can science and policy align to reduce costs and confer benefits?" Session on Working toward a Sustainable Arctic at the AAG in Boston, MA, USA 2017-04
38. **Veland, S.** 2016 "Between the Mega-Narrative and the Palimpsest - Performing Narrative Materiality at the Ice Edge." Performance Studies International annual meeting, Performance Climates, in Melbourne, Australia July 6-9th 2016 <http://www.psi2016.com/>
39. **Veland, S.** 2014 "Spatial Processes of Goal Clarification and Action." Policy Sciences Annual Institute, Ursinus College, Pennsylvania, USA.
40. Calgaro, E., Dominey-Howes, D. and **Veland, S.** 2013 Sharing Responsibility for Implementing the National Strategy for Disaster Resilience. Workshop at University of New South Wales, Sydney, Australia.
41. Howitt, R., Doohan, K., Suchet-Pearson, S., Cross, S., Lawrence, R., Lunkapis, G., Muller, S., Prout, S. and **Veland, S.** 2010. "Nurturing new geographies of coexistence: rethinking cultural interfaces in land and sea governance". Joint New Zealand Geographical Society/ Institute of Australian Geographers, Annual Meeting, University of Canterbury, Christchurch, New Zealand.
42. **Veland, S.** 2010 "Four propositions for developing socially just adaptation to global change in Australian Indigenous communities". NCCARF Climate Adaptation Futures Conference, Gold Coast, Australia.
43. Roman, C., **Veland, S.** & Calgaro, E. 2010 "Ground-truthing adaptation research -a collective reflection on contextual adaptation issues". NCCARF Climate Adaptation Futures, Gold Coast, Australia.
44. **Veland, S.** 2010 "Contextual climate change adaptation issues for Indigenous Australia". NCCARF Climate Change Adaptation and Governance Workshop, University of New South Wales, Sydney, Australia.

45. **Veland, S.**, Howitt, R. & Dominey-Howes, D. 2010 “‘Invisible’ institutions in emergencies –the evacuation of Waruwi community from cyclone Monica in 2006”. Association of American Geographers Annual Meeting, Washington, DC.
46. **Veland, S.** 2010 “Indigenous responses to climate-related hazards”. Centre for International Climatic and Environmental Research-Oslo (CICERO).
47. **Veland, S.**, David Anning, Deanne Bird, Emma Calgaro, Catherine Chagué-Goff, Claire Courtney, Filippo Dall’Osso, Anna Gero, Briony Mamo, Kirstie Méheux, Carolina Roman, Luke Strotz, Cameron Tarbotton, James Goff and Dale Dominey-Howes. “Using the coupled ‘human-environment system framework’ for exploring issues of hazard and risk”. Institute of Australian Geographers Annual Meeting, Cairns.
48. **Veland, S.**, Luke Strotz, Carolina Roman, Briony Mamo, Anna Gero, Filippo Dall’Osso, Claire Courtney, Catherine Chagué-Goff, Emma Calgaro, Deanne Bird, David Anning, Dale Dominey-Howes, and James Goff. “Coupled human-environment systems in prehistory”. Institute of Australian Geographers Annual Meeting, Cairns.
49. **Veland, S.**, Howitt, R. & Dominey-Howes, D. 2009 ‘Invisible’ institutions in emergencies – evacuating Waruwi community from cyclone Monica in 2006. Indigenous research showcase, UNSW
50. **Veland, S.** and Mathew, S. 2009 Video: Keeping the Perspective: Helping Local Councils Respond to Climate Change. Highly Commended in the Macquarie University Innovation Awards 2009.
51. **Veland, S.** (2008) Indigenous responses to climate-related hazards. Presented to the Association of American Geographers Conference in Boston, USA.
52. **Veland, S.** and Bryceson, I. 2006 “Building houses on sand: resilience analysis of coastal zone management in Dar es Salaam, Tanzania” International Conference on Ecosystems Changes and Implications on Livelihoods of Rural Communities in Africa

E. IN PREPARATION FOR PEER REVIEWED PUBLICATION

53. Risvoll, C., **S. Veland**, and Lundberg, A.K “Tracing human-animal relations in Salten, Norway” for the The Joint International Grassland and International Rangeland Congress Nairobi, Kenya, 2021
54. Risvoll, C., Lundberg, A.K, and **S. Veland** “Maps and stories in the creation of richer accounts of change in Pastoral Landscapes in Nordland County” to be submitted to *GEOFORUM*
55. **Veland, S.** "Petroleum in the Arctic Mist of Hyperobjects " to be sent to Geographical Research.
56. **Veland, S.**, F. Sundnes, and M. Karlsson “Equitable governance of human-seaweed relations in an expanding algae industry along the North Atlantic Coast” for Environment and Planning B, with findings from OPTIMAKELP
57. **Veland, S.** and M. Goldstein “Risks from variability in Arctic human-natural systems” written as part of the project *Modeling risks from black carbon at the Arctic ice edge*. For PNAS or Nature Climate Change

F. REFEREE SCIENTIFIC JOURNALS

Geoforum on Aboriginal and colonial knowledge about climate change in Australia 2020
 Routledge Edited volume on metaphors for sustainability 2019
 Routledge Edited volume on storytelling for transformation 2019
 Population and Environment on climate change concern among Australian rural residents POEN-D-19-00019
 Geoforum on Indigenous Australian adaptation to climate change. Ms. Ref. No.: GEOFORUM-D-18-00633
 Asia Pacific Viewpoint on local sociality, culture and history in disaster settings 2018
 Weather, Climate, and Society on local context in adaptive co-management 2016 WCAS-D-16-0063
 International Journal of Disaster Risk Reduction on decolonial resilience thinking in disasters
 IJDRR_2016_416

The Oxford Research Encyclopedia of Natural Hazard Science: Review for Oxford Research Encyclopedia of Natural Hazard Science. 2015
 Global Environmental Change on historical analogies as tools in understanding transformation” GEC-D-15-00666
 Weather, Climate, and Society on changing time in Traditional Ecological Knowledge of Climate Change 2015 WCAS-D-15-0021
 Geoforum on caring for country Ms. Ref. No.: GEOFORUM-D-13-00337
 Regional Environmental Change adaptation to climate change as resignation or opportunity REC-D-13-00390
 Anthropocene Journal on rural clusters and urban slum areas in India ANTHROPOCENE-D-13-00060

G. ORGANISING CONFERENCES, COURSES AND SEMINARS

Conference sessions

2017 Co-organizing two sessions with Dr. Alec Brownlow (University of Chicago) on sacrifice Zones: i) “Sacrifice Zones 1: Evolution, Development, & Current Application,” and ii) Sacrifice Zones 2: Theoretical Framing & Critical Interrogation at the AAG in Boston, MA, USA
 2017 Co-convening with Dr Meredith Hastings the Watson Institute for International and Public Affairs Brown International Advanced Research Institute (BIARI), inviting 30 early career scholars from the global south to develop their research and collaborations at Brown University, RI, USA
 2016 Co-convening the Watson Institute for International and Public Affairs Brown International Advanced Research Institute (BIARI), a summer short course for early career scholars from the global south at Brown University, RI, USA

H. TEACHING AND MENTORING

Teaching

2017-2018 Teaching assignment as Lecturer GEOL112 Hazards and Disasters from Earthquakes and Volcanoes, San Jose State University, USA. Area E science and science ed elective for undergraduate students.
 2017 Teaching assignment as Lecturer GEOL05 Human Development and the Natural World, San Jose State University, USA. Area E science and science ed elective for undergraduate students.
 2016 Teaching assignment as Assistant Professor (Research) PLCY 2770 Environmental Impact Assessment –Applications, Limitations, and Possibilities, Brown University, USA. Masters level class for students in the one-year Master of Public Affairs track.
 2015-2016 Teaching assignment as Assistant Professor (Research) GEOL 0030 Climate and Climate Change, Brown University, USA. Undergraduate elective class co-taught with atmospheric scientist Dr Meredith Hastings

Mentoring

2018-2021 Supervising postdoc Dr Xueke Li in her postdoctoral project at Brown University funded through the project “Modeling risk of transformative change in a coupled natural-human system at the Arctic ice edge” USD 624,170.00. Unites States National Science Foundation Coupled Natural-Human Systems (CNH), Navigating the New Arctic (NNA). Co-supervised with geologist Dr Amanda Lynch (Brown University), sea ice modeler Dr David Bailey (NCAR), geographer Dr Scott Stephenson (RAND Corporation), and economist Dr Michael Goldstein (Babson College)
 2013-2018 Mentoring PhD candidates in Geology Z. Bischoff-Mattson, C. Parker, and K. Spangler at the Institute at Brown for Environment and Society (IBES) at Brown University
 2017-2018 Providing supplemental mentorship to graduate students M. Schoville-Simonds, A.K. Schorre, M.J. Nordbø, G. Hochachka, and I. Gram-Hanssen at the University of Oslo by

inviting the students to co-author a paper on narratives for meeting the 1.5 degree target of the IPCC. See publication 5 above.

I. ADMINISTRATION AND MANAGEMENT

General experience

Coordinating the BIARI Seed Grant (2016-2017), a team of 11 early career scholars collaborating on shared methodology investigating local and indigenous innovative practices that complement and supplement in smallholder farming systems across African, East Asian, South American and European case studies.

Co-convening the Watson Institute for International and Public Affairs Brown International Advanced Research Institute (BIARI) in 2016 and 2017 with Associate Professor Meredith Hastings (Geology). Bringing together a cohort of c. 200 academic leaders and early career researchers from the Global South to discuss the interdisciplinary intersections of climate change, agriculture, local-to-global knowledge systems, and the earth's biogeochemical cycles.
<http://watson.brown.edu/biari/node/161>

Boards and Committee memberships

Committee member in application review for postdoctoral scholar in environmental sociology at Nord University. 2019.

Invited member of panel review board at the National Science Foundation for the program Coupled Natural-Human Systems. 2019 and 2020

J. CERTIFICATES

S4 GIS Institute, Spatial Structures in the Social Sciences. The course familiarizes researchers with tools for raster- and vector-based analyses to achieve competency in using GIS as an analytical tool in their own research. I developed a raster-based sea level analysis for my research with Indigenous communities in Northern Australia, and created urban maps based on public health metrics.

FLO: Facilitating Learning Online, The School of Professional Studies at Brown University. Focusing on the Canvas Instructure online environment, this certificate is based on the 'online course lifecycle', combining pedagogical and technical skills to facilitate an engaging and 'personal' presence online. The certification included weekly collaboration with FLO staff, and resulted in the online Climate and Climate Change course, as well as partially 'flipped classroom' for the in-class version.

Foundations in Learning and Teaching (FILT). Macquarie University's full semester theoretically based pedagogical teaching course for academic staff. I engaged with the University's teaching philosophy, importance of students' learning context, theoretical constructs for curriculum development, teaching, and learning, the importance of varied teaching methods and media platforms to encourage student learning, critically reflecting teaching practice.