



Curriculum Vitae **Ingrid Agathe Bay-Larsen (PhD)**

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Nationality: Norwegian
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Key Qualifications

Bay-Larsen's research experience reflects a broad interest in sustainable development of northern regions and nature-based industries. Throughout her career, she has been involved in projects focusing on how values, ethics, knowledge systems and environmental risks are perceived and institutionalized in environmental governance, including spatial management, preservation of biodiversity and ecosystem services, as well as adaptation to climate change in both agriculture, aquaculture and extractive industries. This also includes the co-production of science and policy, and the role science and other forms of knowledge have in environmental policies and planning. Bay-Larsen has been involved in EU-projects focusing on remediation of contaminated ecosystems, including areas in use for food production. How to define and resolve environmental problems across institutional and geographical scales have also been prevalent in her experience from US, Brazil, Russia and several other European countries. Current project portfolio involves critical issues connected to upscaling of algae cultivation along the Norwegian coast, reduction of marine litter from fishing industry, circular bioeconomy, renewable marine transport and smart city, including *rurban* developments. She holds a genuine interest in inter-disciplinary perspectives and bringing science into the wider society.

Formal training

- 2008-12 PhD, "*Bureaucratic boundaries – on the intersection between science, environmental administration and local stakeholder involvement*", UiT – the Arctic University of Norway, Norwegian College for Fisheries, main supervisor Jahn Petter Johnsen, co-supervisor Deborah Oughton (NMBU)
- 1994-00 Master theses "*Mobility of Trace Elements in Semi-Natural Arctic Ecosystems*" Norwegian University of Environment and Life Sciences
- 1997 Bachelor *Arctic Biology*, UNIS, (Spitsbergen)

Positions held

- 2015 Research Director, Nordland Research Institute (NRI), Unit for Environment and Society
- 2013 Visiting researcher State University in Campinas, NEPAM (Núcleo de Estudos e Pesquisas Ambientais), São Paulo, Brazil
- 2004- Sensor University of Nordland (Bachelor in Circumpolar studies - History, Politics and Northern Resources, and Land and environment)
- 2009 Visiting researcher Huxley College for Environment, Western Washington University, Bellingham, USA
- 2004 Researcher Nordland Research Institute
- 2005-06 Coordinator Municipal planning and Environmental Management (Bchl Municipal administration)
- 2003-04 Scholarship at University in Oslo's "Ethics Program" (6 mts). Ethical aspects of the clean development mechanism (CDM)
- 2002 Editor www.CDMwatch.com
- 2000-04 Scientific assistant University of Environment and Life Sciences (50%). R&D fellow at Environmental Non-Governmental Organizations (50%).

ONGOING PROJECTS

- 2015-21 LYTRING – science dissemination and public debate. With Nord University and Stormen Library, (funds from Nordland County administration and Fritt Ord). Project manager
- 2019- 21 SeeRRI- Building Self-Sustaining Research and Innovation Ecosystems in Europe through Responsible Research and Innovation, H2020- Swafs.
- 2018-20 CLIMTOUR - Impacts of climate change on Norwegian nature-based tourism, (Research Council of Norway -MILJØFORSK)

- 2018-20 OPTIMAKELP - OPPortunities and Tradeoffs In MANaging KELP forests in an era of blue growth, (Research Council of Norway, MARINFORSK), Work-package leader
- 2018-19 HAVPLAST Marin plast fra norsk sjømatnæring - kartlegging, kvantifisering og handling, Fiskeri og havbruksnæringens forskningsfond (FHF)
- 2013-19 ALTPRO -Legumes and seaweed as alternative protein sources for sheep (Research Council of Norway-BIONAER), WP-lead societal aspects.

PREVIOUS PROJECTS

- 2017 REMAFISK – Reducing MAarine litter from FISHing vessels, Nordland fylkeskommune
- 2017-19 RE-D-USE – New knowledge for reduction and utilization of marine waste from fisheries, Arktis 2030, Norwegian Ministry for Environment and Climate.
- 2013-17 ALTPRO -Legumes and seaweed as alternative protein sources for sheep (Norwegian Research Council –BIONAER), WP-lead societal aspects.
- 2013-17 ARCTICFRONT -The Arctic as a Mining Frontier: Sacrificed zones or sustainable development? (Norwegian Research Council – MILJO2015), co- manager and co-editors of book (*The will to drill*), Springer, fall 2017.
- 2014-17 Adaptation Action for a Changing Arctic (AACA), Technical report for the Arctic Council, Convening Lead Author chpt 5.
- 2013-16 AQUACLIMATE- knowledge and climate change in the aquaculture industry (Norwegian Research Council -Regional funds), WP-lead
- 2012-14 CAVIAR II – Critical Aspects of Adaptive Capacity to Climate Change in Northern Regions (Norwegian Research Council -NORKLIMA), WP-lead
- 2013 Naturmangfoldlovens virkninger i kommunene- En gjennomgang av kommunale erfaringer med loven (KS – Municipal Association of Norway), Senior Researcher
- 2013 Verdiskaping i randsonen av norske nasjonalparker – lokal og regional praksis (Norwegian Ministry for Local and Regional Affairs), project manager
- 2013 AQUASUS - Sustainable aquaculture across geographical and institutional scales, (Research Council of Norway – HAVBRUK pilot project), project manager
- 2013 Contamination in semi-natural Arctic ecosystems (RFF pilot project), project partner
- 2008-12 IMPONEA -Implementing Environmental Politics, (Research Council of Norway -AREAL program) researcher/PhD candidate
- 2008-10 NAPROLD -Nature protection and local development in Northern Norway and North-West Russia (Research Council of Norway - RUSSIA programme), Project manager
- 2008 Forest protection and impact on forestry on Helgeland (Governor in Nordland), researcher
- EURANOS -European approach to nuclear and radiological emergency management and rehabilitation strategies, EU's 6th Framework Program (EURATOM), scientific assistant
- 2007 Domestic reindeer –assessment on upper limit number in Niilen-Njaarke pastures (County governor, Norway), researcher
- 2005 Evaluation of integrated use and conservation processes in Nordland County (Nordland County Municipality), project manager
- 2005 Fossil and renewable resources in the North (WWF), project manager
- 2002-04 ERICA – integrated rehabilitation of contaminated areas after nuclear accidents. EU's 6th framework program, scientific assistant
- 2000-02 STRATEGY – long term rehabilitation of contaminated areas after nuclear fallouts. EU's 5th framework program (EURATOM), scientific assistant

Scientific articles in journals with referee

- Bay-Larsen, I.** Bjørndal, T., Hermansen, E. 2018. Den menneskeskapt iskanten - om vitenskapelig sannhetssøken og uavhengighet i en kunnskapsbasert forvaltning, *in press*, *«Interessekonflikter og forskning- etiske perspektiver»* Ingierd, H, Hiis-Hauge og Bay-Larsen (eds.), Universitetsforlaget, Oslo.
- Bay-Larsen, I.**, et al. (2018). "Local protein sources in animal feed - Perceptions among arctic sheep farmers." *Journal of Rural Studies* 59: 98-110.
- Nilsson, A., **Bay-Larsen, I.**, Carlsen, H., van Oort, B., Bjørkan, M., Jylhäe,K., Klyuchnikova, E., Masloboev, V., van der Watt, LM. 2017. Towards Extended Shared Socioeconomic Pathways: A Combined Participatory Bottom-up and Top-down Methodology with Results from the Barents Region, *Global Environmental Change*, <https://doi.org/10.1016/j.gloenvcha.2017.06.001>
- Bjørøgo, F. and I. **Bay-Larsen**. 2017. "Lost in translation – Critical reflections on the disposal of submarine tailings in Kvalsund municipality." *The Extractive Industries and Society*, <https://doi.org/10.1016/j.exis.2017.05.012>

- Dannevig, H; **Bay-Larsen**, I.A.; van Oort, B.; Keskitalo, C.. 2015. Adaptive capacity to changes in terrestrial ecosystem services amongst primary small-scale resource users in northern Norway and Sweden. *Polar Geography*; Volum 38 (4) s. 271-288.
- Jansson, R. Nilsson, C., Keskitalo, E.C.H., Viasova, T., Sutinen, M.L., Moen, J., Chapin, S., Bråthen, K.A., Cabeza, M., Callaghan, T.V., van Oort, B., Dannevig, H., **Bay-Larsen**, I., Ims, R., Aspholm, P.E. 2015. Future changes in the supply of goods and services from natural ecosystems: Prospects for the European North. *Ecology & society*. 20.(3)
- Bay-Larsen**, I. 2014. Samproduksjon av politikk og kunnskap i norsk miljøplanlegging – relevans, troverdighet og legitimitet, *Kart og plan*, 4.
- Rebours, C, Marinho-Soriano, E., Zertuche-González, J.A, Hayashi, L., Vásquez, J.A, Kradolfer, P., Soriano, G., Ugarte, R., Abreu, M.H., **Bay-Larsen**, I., Hovelsrud, G. Rødven, R., Robledo, D. 2014. Seaweeds: An opportunity for wealth and sustainable livelihood for coastal communities. *Journal of Applied Phycology*.
- Lundberg, A.K.A., E. Hongslo, S. Hovik, **Bay-Larsen**, I. 2013. Hva skjer i den nye lokale forvaltningsmodellen for verneområder? En forskningsstatus. *Utmark* (1).
- Iakovleva, T., **Bay-Larsen**, I., Kharitonova, G., Didyk, V. 2012. Small business development in protected areas in Norway and in Russia – the role of external environment. Special Issue *JSBE The Challenges and Opportunities of Sustainable Development*, 25, 433-450.
- Bay-Larsen**, I. 2012. The Premises and the Promise of Trolls in Biodiversity Assessment and Management, *Environmental Management*, 48 (5).
- Bay-Larsen**, I. 2012. The Constitution of Power in Norwegian Protected Areas -onshore and in the sea. *Local environment*, 17(3) 331-347.
- Bay-Larsen**, I. 2010. Conservationist's concern- on integrating parks and people", *Local Environment*, 15 (4) p. 357-371.
- Liland, A., D. Oughton, I. **Bay-Larsen**, I.M. Eikelmann, H.S. Hansen, and L. Skuterud. 2010. Norwegian testing of the EURANOS framework for post-accident rehabilitation preparedness. *Radioprotection*, 45 (5), p 215-224.
- Oughton D. & **Bay-Larsen**, I. 2007. Social, ethical and economic aspects of remediation, *Journal of Environmental Radioactivity*.
- Bay-Larsen**, I. & Sandersen, H. 2005. Medvirkningsorientert partnerskap i verneplanprosesser -Eksempelet Junkerdal Nasjonalpark, [www.utmark.org].
- Oughton, D., **Bay**, I., Forsberg, E-M., Kaiser, M., Howard, B. [2004]. An Ethical Dimension to Sustainable Restoration and Long-Term Management of Contaminated Areas. *Journal of Environmental Radioactivity* 74(1-3) p. 171-183.

Book chapters (ed)

- Bay-Larsen, I. Dale, B., Skorstad, B. 2017. Mining and Arctic Communities, chpt 1 in Dale, B., Bay-Larsen, I & Skorstad, B. 2018 (eds). *The will to drill- mining and Arctic communities*. Springer, *in press*.
- Skorstad, B., Dale, B., Bay-Larsen, I. 2018. *Values and virtues in Arctic Mining*, chpt 2 in Dale, B., Bay-Larsen, I & Skorstad, B. 2018 (eds). *The will to drill- mining and Arctic communities*. Springer, *in press*
- Didyk, V., Bay-Larsen, I., Sandersen, H., Kharitanova, G., Ivanova, L, Isaeva, L. 2017. Sustainable mining in North-West Russia, chpt 6 in Dale, B., Bay-Larsen, I & Skorstad, B. 2018 (eds). *The will to drill- mining and Arctic communities*. Springer, *in press*
- Dale, B., Bay-Larsen, I., Skorstad, B.. 2017. The will to drill, chpt 13 in Dale, B., Bay-Larsen, I & Skorstad, B. 2018 (eds). *The will to drill- mining and Arctic communities*. Springer, *in press*.
- Bay-Larsen, I & Hovelsrud, G. 2017. Activating adaptive capacity in Fishing Communities in Northern Norway, Gail Fondahl and Gary N. Wilson (Eds) *Northern Sustainabilities: Understanding and Addressing Change in the Circumpolar World*, Springer Polar Sciences, 978-3-319-46148-9, 332865_1_En, (10)
- Vik, J., **Bay-Larsen**, I. Aasetre, J. 2011. *Bruk og vern – brytninger om demokrati*, i Haugen, M. S. et Stræte, E.P. (red) *Rurale brytninger*, Trondheim; Tapir, p 180-202.
- Oughton, D., **Bay-Larsen**, I., Voigt, G. 2009. Environmental, Social, Ethical and Economic Aspects of Remediation, in *Remediation of Contaminated Environments*, edited by G Voigt and S.Fesenko, Elsevier Science, 496p.
- Sandersen, H.T. & **Bay-Larsen**. 2008. Partnerskap mot alle odds – om brukerstyrt verneplanarbeid i Junkerdal nasjonalpark. In Røyseland, A & Andersen O.J. (eds) *Partnerskap -en antologi*. Fagbokforlaget
- Bay-Larsen I. & Oughton D. 2005. Social and economic effects of the Chernobyl accident, in Smith J. & Beresford, N. (eds) *Chernobyl – catastrophe and consequences*, Springer Praxis.

Books (eds)

- Dale, B., Bay-Larsen, I & Skorstad, B. 2018. *The will to drill- mining and Arctic communities*. Springer, *in press*.

Reports

- AMAP. 2017. Adaptation Actions for a Changing Arctic (AACCA) - Barents Area. Arctic Monitoring and Assessment Programme (AMAP), Oslo, Norway.
- Vinogradov, E., Bay-Larsen, I., Wiggen, O. 2013. Gårdsturisme i Nordland: kundeundersøkelse, NF-rapport (7), Nordlandsforskning: Bodø, 40s.
- Bay-Larsen, I., H. Øian, et al. 2013. Verdiskaping i randsonen av norske verneområder – lokale og regionale praksiser. NF-rapport (3). Bodø, Nordlandsforskning: 152s.
- Andersen, O., I. Bay-Larsen, et al. 2013. Naturmangfoldlovens virkninger i kommunene - En gjennomgang av kommunale erfaringer med loven. NINA-rapport. Lillehammer, Norsk institutt for naturforskning: 76.
- Bay-Larsen, I. 2010. History and present discourses of territorial nature protection in Norway (the Nordland cases), in Elvestad, C. and Sandberg, A. (ed) Combining nature protection and sustainable use- Status and challenges from a Norwegian-Russian perspective, NF-rapport 18/2010. 978-82-7321-607-6, Bodø.

Popular scientific publications – selected

- Bjørkan, M, Hiis-Hauge, K., Bay-Larsen, I. 2017. *Riper I Laksen*, cronicle Morgenbladet, August.
- Bjørgero, F; Bay-Larsen, I.; Waldahl, R. H.; Nilssen, M. 2017. Den nye byen ligger ikke på Langstranda. Den ligger fra sentrum ut til Nyholm Skandse. Cronicle, Avis Nordland.
- Bay-Larsen, I. 2017 Derfor kan vi stole på dem, Cronicle, Avis Nordland.
- Bjørkan, M., Marstrander, I., Bay-Larsen, I. 2016. Sett “det grønne skiftet” på samfunnsvitenskapens dagsorden, Cronicle, High North News (18/5 2016) and Rana Blad May 2016
- Bay-Larsen, I. (2016). Vi trenger et akademia som taler Stortinget midt imot. Cronicle www.forskning.no.
- Interview, Agenda magasin (2016). Mistroen til akademia. Oslo, Tankesmien Agenda, Elisabeth Danielsen
- Bay-Larsen, I. et al (2014). Hva er universitetenes samfunnsansvar? Cronicle, Avis Nordland
- Bay-Larsen, I, Hovelsrud, G., Rebours, C. 2013. Bærekraftig utvikling for norsk havbruk, Cronicle, Avis Nordland 26 sept, and Intrafish Sept 29th.

Oral paper presentations – Conferences

- Bjørkhaug, H., **Bay-Larsen, I.**, Bjørkan, M., Risvoll, C., Vangelsten, BV. 2017. Upscaling algae cultivation in Norway – identifying challenges and opportunities. Hopefulness - The 13th Nordic Environmental Social Science Conference. Tampere. June 6-8th, 2017.
- Hiis-Hauge, K.; Ingierd, H.; **Bay-Larsen, I.** 2017. Conflicts of interest as a research ethical challenge - Experiences from Norway. World Congress on Research Integrity, May 2017. Amsterdam.
- Lind, V., Novoa-Garrido, M. Roleda, M., **Bay-Larsen, I.**, Weisbjerg, M. Heckendorn, F., Werner, S. Molina – Alcaide, E. 2016. Belgvekster og alger som alternative proteinrike fôrmidler til sau (AltPro), presentasjon for Landbruks- og matdepartementet.
- Bay-Larsen, I.** 2016. Science as conflict of interest. Side event: *Ethics, law and rhetoric at the Arctic frontiers*, Tromsø

Invited lectures at meetings seminars

- 2017 Polar ice –at the edge of science and policy. Lunch seminar. March 7th, UNIS, Longyearbyen.
- 2016 Grenser for forskning, Lecture held at National Research Ethics Committees’ national seminar on Conflicts of Interests In Research, May 27th, Litteraturhuset, Oslo,
- 2016 Grenser for forskning, Lecture held at NINA-dagene, Oct 20th, Trondheim.
- 2016 Grenser for forskning, Lecture held at Forskerforbundet’s Seminar on research politics, Nov 15th, Oslo.
- 2016 Vitenskap – på grensen til politikk. Lunch seminar, Norwegian Environmental Directorate Jan 26th. Trondheim.
- 2015 Polar ice –at the edge of science and policy. Annual Meeting at the Norwegian Academy for Polar Research. On, Under and Near the Melting Polar Ice: Human activities, management and the environment; October 22nd, University in Nordland, Bodø.
- 2015 Kunnskapsbasert forvaltning: grenser for politikk og vitenskap. Lunch Seminar, Geo-ecological Research Unit. SCIENCE, May 20th, University of Oslo, Oslo.

Referee

Environmental Values, Utmark, Sosiologi i dag, Scandinavian Journal of Public administration, Acta Agriculturae Scandinavica, Section B — Soil & Plant Science, Kart og Plan, Food Ethics.

Conferences, sessions and seminars - selected

- 2018 *Mountain Pasture- adapting Innovation in Grassland Management to Farmers' Needs to Face Social and Climatic Changes*, Lofoten Islands Sept 9th -12th. FAO-CIHEAM subnetwork, Organising and scientific committee.
- 2017 *Omlegging av Norge til bærekraftig nullutslippssamfunn: Hvordan fikk vi det til?* Concerned Scientists Norway - Conference, March 14th, University of Oslo, organizing committee.

- 2017 *March for Science*. April, 26th 2017. World-wide happening to communicate the multiple values of science in society. Initiator and organizing committee, Bodø. <https://satellites.marchforscience.com/>
- 2016 Side event *Ethics, Law and Rhetoric*, Tromsø, Arctic Frontiers –Industry and The Environment. Initiator. Concerned Scientists Norway
- 2016 *Grenseløs teknologi*, Seminar Forskningsdagene 26.sept, collaboration with Bodø municipality, NENT and Teknologirådet
- 2014 *Critical drivers for adaptive capacity*, co-chair ICASS International congress for Arctic Social Studies, May 22-28th, University of Northern British Columbia- Canada.

Elected positions

- 2015- 17 Board member “Concerned Scientists Norway”.
- 2014- 17 Board member “Fjell-forsk-nett” (Mountain Research Network in Norway)
- 2014- 17 Member of Nord University’s Committee for Research Ethics
- 2014- 20 Deputy in the National Committee for Research Ethics in Science and Technology (NENT)