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UTDANNING

2016-2019 Ph.D., Økonomisk geografi, NTNU, Trondheim, Norge

2013-15 Master, Entreprenørskap Innovasjon og Samfunn, NTNU, Trondheim, Norge

ARBEIDSERFARING

2024 – DD Forsker II (bistilling), NTNU, Trondheim, Norge

2023 – DD Forsker II, NORCE, Stavanger, Norge

2021 – 2023 Postdoc, SINTEF Ocean AS, Trondheim, Norge

2020 – 2021 Forsker, NTNU, Trondheim, Norge

2016 – 2020 Ph.D. Stipendiat, NTNU, Trondheim, Norge

FORSKNINGSMOBILITET

Mars 2022 – August 2022 Gjest forsker, Universitet I Florida, USA

Desember 2021 – Februar 2022 Gjest forsker, Memorial Universitet, Canada

September 2021 – November 2021 Gjest forsker, Center for Urban and regional Studies, Universitet I Newcastle, Storbritannia

UNDERVISNINGERFARING

2016-09- 2018-09 Undervisning: Samfunnsperspektiv på Innovasjon og Entreprenørskap, NTNU

2019-04- 2019-04 Undervisning: Innovation and Regional Development, NTNU

2018-09 - 2019-09 Undervisning: Global production networks, NTNU

2018 Veiledning: Masteroppgave (*Projecting sustainable mobility scenarios for Oslo towards 2040: the potential of car sharing, ridesharing and cycling*), NTNU

PUBLIKASJONER:

Publikasjoner i internasjonale tidsskrifter

Afewerki, S., and Atle B. (2025). Industry development in the absence of a home market A semi-systemic review of the drivers for offshore wind industry development in Norway. *Social Sciences & Humanities Open*, 11 (2025), 101433.

Afewerki, S., Marit, S.O., Tonje, O., Kristine, S., Misund, A., and Thorvaldsen, T (2025). Reconfiguring innovation systems for sustainable sectoral transformation: The case of the Norwegian aquaculture industry. *Journal of the World Aquaculture Society*, 56(1), 1-16.

Deegan, J., Asheim, B., Haus-Reve, S., **Afewerki, S.**, Blomgren, A., & Landazuri-Tveteraas, U. (2025). The oil and gas industry – a key to a successful, sustainable transition in Norway? Barriers and challenges to knowledge transfer to offshore wind and aquaculture. *ZFW – Advances in Economic Geography*.

Jolly, S., Steen, M., Hansen, T, and **Afewerki, S.** (2023). Renewable energy and industrial development in pioneering and lagging regions: the offshore wind industry in southern

Denmark and Normandy. *Oxford Open Energy*, 2, 1–11.

Afewerki, S., Tonje, O., Marit, S.O., Kristine, S., Misund, A., and Thorvaldsen, T (2023). Innovation policy on the Norwegian Aquaculture industry: Reshaping aquaculture production innovation networks. *Marine Policy*, 152 (2023) 105624.

Afewerki, S., Asche, F., Thorvaldsen, T. and Tveterås, R. (2023). Innovation in the Norwegian aquaculture industry. *Reviews in Aquaculture*.

MacKinnon, D., **Afewerki, S.**, and Karlsen A. (2022). Technology legitimation as a Transnational process: a cross-national study of floating wind in Norway and Scotland. *Geoforum*. 135.

Afewerki, S and Steen, M. (2022). Gaining lead firm position in an emerging industry: A GPN analysis of two Scandinavian energy firms in offshore wind power. *Competition and Change*. 1-24

Afewerki, S and Karlsen, A. (2021). Policy mixes for just sustainable development in regions specialized in carbon-intensive industries: the case of two Norwegian Petro-maritime regions. *European planning studies*, 30(11), 2273–2292

MacKinnon, D., Karlsen, A., Dawley, S., Steen, M, **Afewerki, S.**, and Kenzhegaliyeva, A. (2021). Legitimation, institutions and regional path creation: a cross-national study of offshore wind. *Regional studies*, 56(4), 1-12.

Afewerki, S and Karlsen, A. (2021). Policy mixes for just sustainable regional development in industrially overspecialized regions: the case of two Norwegian Petro-maritime regions. *Papers in Economic Geography and Innovation Studies (PEGIS)*, 2021/02.

Afewerki, S. (2019). Firm agency and Global production network dynamics. *European planning studies*, 27(8), 1483-1502.

Afewerki, S., Karlsen A., and MacKinnon D. (2018). Configuring Floating Production Networks: A case study of a new offshore wind technology across two oil & gas economies. *Norsk Geografisk Tidsskrift–Norwegian Journal of Geography*, 73(1), 1-34.

Rapporter

Afewerki, S. (2025). *Business models for electrification of Service Operation Vessels – enabling decarbonized offshore wind maritime operations*. Report no. 15-2025, NORCE Health and social sciences.

Afewerki, S. (2024). *Energy transition, critical raw materials, & climate justice: A high-level assessment of Norwegian deep-sea mining as an 'x-shoring' strategy and a research agenda*. NORCE Norwegian Research Centre, Stavanger.

Hanson, J., Normann, H., Aspelund, A., Steen, M., Karlsen, A., **Afewerki, S.**, Bjørgum, Ø., Sæther, E., Kenzhegaliyeva, A., Dawley, S., MacKinnon, D., van der Loos, A. (2019). *CONDITIONS FOR GROWTH IN THE NORWEGIAN OFFSHORE WIND INDUSTRY: International market developments, Norwegian firm characteristics and strategies, and policies for industry development*. 2019. ISBN 978-82-93198-30-7.

Afewerki, S., Sollien J.A., Fjeld, K., Wright, P. (2014). *Innovasjon, Lokal utvikling og Kultur: Digital kulturformidling på Rissa*. E-create, Sør-Trøndelag fylkeskommune and NTNU, Trondheim.

Amuzu, D. **Afewerki, S.**, Gimbo, F., Nguyen, A., Tisserant, A., Zhu, W. (2014). *Sustainability at home: Replacing Fuelwood and Charcoal for Cooking with Biogas in Pallisa-Uganda*.

Øvrige publikasjoner

Afewerki S. (2020). Global production networks and industrial restructuring: Unpacking the emerging Offshore Wind Industry. Ph.D. thesis. Dept. of Geography, Faculty of social and educational sciences, NTNU, Norge.

Afewerki S. (2015). Immigrant entrepreneurship: toward success of immigrant entrepreneurship in Norway. Master thesis, faculty of Faculty of Social Sciences and Technology Management

Konferanse-paper

- Afewerki S.** Asche, F., Bård, M, Thorvaldsen, T., and Tveterås, R. (2022). Innovation in the Norwegian aquaculture industry EAS 2022, Rimini; 2022-09-27– 2022-09-30.
- Karlsen, A., MacKinnon, D., and **Afewerki, S.** (2022). Technology legitimation and strategic coupling: a cross-national study of floating wind in Norway and Scotland. The 6th Global Conference on Economic Geography, Dublin; 2022-06-07– 2022-06-07.
- Jolly, S., Steen, M., Hansen, T., and **Afewerki, S.** (2022). Regional industry path development and the role of the contextual environment: offshore Wind energy development in South Denmark (Denmark) and Normandy (France). REENEA (Regional Energy Transition) workshop on Breaking down the energy transition: How actors, institutions, and technologies shape transition processes; Oldenburg; 2022-09-21-2022-09-22.
- Afewerki, S.**, Thorvaldsen, T., Tonje, O., Kristine, S., Marit, S.O., & Misund, A. (2022). *Technology push policy and the Norwegian aquaculture industry: the case of the development licensing scheme*. Aquaculture 2022, San Diego; 2022-02-28 – 2022-03-04
- Karlsen, A., & **Afewerki, S.** (2021). *Policy mixes for just sustainable development in regions specialized in carbon-intensive industries: the case of two Norwegian Petro-maritime regions*. Regions in Recovery - Building Sustainable Future, Global E-Festival 2nd-18th June 2021; 2021-06-02 - 2021-06-18
- Jolly, S., Steen, M., Hansen, T., & **Afewerki, S.** (2020). *Regional industrial path development, multi-level policy mixes, and renewable energy deployment: offshore wind energy development in South Denmark (Denmark) and Normandy (France)*. 5th Geography of Innovation conference, Stavanger; 2020-01-29 – 2020-01-31
- Karlsen, A., MacKinnon, D., Stuart, D., Stehen, M., **Afewerki, S.**, & Kenzhagaliyeva, A. (2019). *Institutional frameworks and firm strategies in offshore wind production networks across UK, Germany and France*. NGM 2019, Trondheim; 2019-06-17 - 2019-06-19
- Afewerki, S.** (2019). *From production to innovation networks? New path creation through strategic coupling: towards the role of technological innovation networks*. NGM 2019; 2019-06-16 - 2019-06-19
- Afewerki, S.** (2019). *Firm agency and GPN dynamics*. American Association of Geographers (AAG). Conference, Washington, DC; 2019-04-03-2019-04-07
- Afewerki, S.**, Karlsen, A., & MacKinnon, D. (2017). *Floating production networks: A case study of a new offshore wind technology across two oil & gas economies*. Conference on Global Production, Singapore, 2017-12-06 – 2017-12-09.
- Afewerki, S.**, Karlsen, A., & MacKinnon, D. (2017). *Strategic coupling in two regions: comparing inside-out and outside-in modes of incorporation into GPN*. American Association of Geographers (AAG), Boston 2017-04-05 – 2017-04-09

PROSJEKTER

- 2025 – 2029 Regional Energy Transition Vulnerabilities and Adaptation Strategies in Norway (RENOVATE) – Project applicant (responsible for writing of the project application) and partner – funded by the Research Council of Norway (11.8MNOK)
- 2024 – 2028 Making the green shift work for regions (GSW)– Project applicant (responsible for project initiation and writing) and partner –funded by the Research Council of Norway (12MNOK)
- 2023 – 2025 Maritime value chain for offshore energy transfer within offshore wind (OceanCharger) – project partner – funded by Research council of Norway, Grønn platform initiative (38MNOK)
- 2023 – 2027 Impact Wind Southwest (IMPACT WIND)– project partner – funded by Research council of Norway (28MNOK)
- 2023 – 2026 Future investment decisions in the energy and ocean economies– project partner -

funded by Offshore Norway (28MNOK)

2023 – 2026 Bringing Knowledge and Consensus to Prevent and Reduce Food Loss at the Primary Production Stage. Understanding, Measuring, Training, and Adopting (FOLOU) – project partner – funded by Horizon Europe (EUR 6.5)

2023 – 2025 Norges banks Regional nettverk (eng. Bank of Norway regional network) – project partner - funded by Bank of Norway

2021 – 2023 Development licenses as a driver for innovation in fish farming: Effects on technology, industry and regulation (DEVELOP) – project partner – funded by Research council of Norway (12MNOK)

2016 – 2020 Internationalization of Norwegian Offshore Wind Capabilities (InNOWiC) -project partner – funded by Research council of Norway (12MNOK)