

Anna H. Olafsdottir PhD

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Professional Summary

A fisheries scientist with expansive international experience developing, managing, and executing diverse marine research projects. From understanding stock dynamics of Greenland halibut in Arctic Canada to spatiotemporal distribution of fish in the pelagic ecosystem of the Northeast Atlantic.

Employment history

Research scientist, Pelagic department September 2015 - current

- Research on the pelagic ecosystem in the Northeast Atlantic focusing on biology and ecology of mackerel and blue whiting.
- Principal investigator for the annual international summer survey in Nordic Seas.
- Participant in mackerel and blue whiting international stock assessment.
- Active collaboration with scientists in Norway, Faroe Islands, Greenland, and European Union on international research projects related to the pelagic ecosystem in the Northeast Atlantic.
- Teaching including classes on fisheries ecology at the United Nations University Fisheries Training Program and University of Iceland, and supervision of UNU-FTP students during their thesis work.

Fisheries Consultant July – August 2015
Department of Fish and Shellfish, Greenland Institute of Natural Resources, Nuuk, Greenland.

Postdoctoral Research Fellow June 2013 – June 2015
Pelagic Department, Faroe Marine Research Institute, Torshavn, Faroe Islands.

- Researching growth and summer feeding migration of Northeast Atlantic mackerel (*Scomber scombrus*) from 1984 to 2013.
- Participated in an international mackerel assessment survey.

Fisheries consultant, St. John's, Canada fall 2012 – winter 2013

- Contract work for the Arctic Fisheries Alliance and Oceans North Canada to research the Greenland halibut fishery in NAFO Subarea 0 from 1996 to 2011. Report writing and participating in an official DFO fisheries management meeting.

Education

Ph.D. in Biology, Memorial University, St. John's, Canada graduated 2013
Thesis: The spawning migration of capelin (*Mallotus villosus*) in Icelandic waters. Supervisor: Dr. George A. Rose.

M.Sc. in Biology, Memorial University, St. John's, Canada graduated 2005
Thesis: Growth of Icelandic capelin (*Mallotus villosus*) larvae. Supervisor: Dr. John T. Anderson.

List of per reviewed publications

Jansen, T., Post, S., [Olafsdottir, A.H.](#), Reynisson, P., Óskarsson, G.J., Arendt, K.E. 2019. Diel vertical feeding behavior of Atlantic mackerel (*Scomber scombrus*) in the Irminger current. Fisheries Research, 214: 25-34. <https://doi.org/10.1016/j.fishres.2019.01.020>

[Olafsdottir, A.H.](#), Utne, K.R., Jacobsen, J.A., Jansen, T., Oskarsson, G.J., Nøttestad, L., Elvarsson, B., Broms, C. and Slotte, A. 2019. Geographical expansion of Northeast Atlantic mackerel (*Scomber scombrus*) in Nordic Seas from 2007 - 2016 was primarily driven by stock size and constrained by low temperatures. Deep-Sea Research Part II: Tropical Studies in Oceanography, 159: 152-168. <https://doi.org/10.1016/j.dsr2.2018.05.023>.

Nikolioudakis, N., Skaug, H.J., [Olafsdottir, A.H.](#), Jansen, T., Jacobsen, J.A., and Enberg, K. 2018. Drivers of the summer-distribution of Northeast Atlantic mackerel (*Scomber scombrus*) in the Nordic Seas from 2011 to 2017; a Bayesian hierarchical modelling approach. ICES Journal of Marine Science, doi:10.1093/icesjms/fsy085.

[Olafsdottir, A.H.](#), Slotte, A., Jacobsen, J.A., Oskarsson, G.J., Utne, K.R. and Nøttestad, L. 2016. Changes in body condition and somatic growth rate of mature Northeast Atlantic mackerel (*Scomber scombrus*) from 1984 to 2013: effects of mackerel stock size, herring stock size, and temperature. ICES Journal of Marine Science, 73: 1255-1265.

[Olafsdottir, A.H.](#) and Rose, G.A. (2013) Staged spawning migration in Icelandic capelin (*Mallotus villosus*): effects of temperature, stock size and maturity. Fisheries Oceanography, 22: 446-458.

[Olafsdottir, A.H.](#) and Rose, G.A. (2012) Influences of temperature, bathymetry and fronts on spawning migration routes of Icelandic capelin (*Mallotus villosus*). Fisheries Oceanography, 21: 182-198.

[Olafsdottir, A.H.](#) and Anderson, J.T. (2010) Growth and survival of Icelandic capelin *Mallotus villosus*. Marine Ecology Progress Series, 403: 231-241.

Professional memberships

- [Chair](#) of International Council for the Exploration of the Sea Working Group on the Integrated Assessments of the Norwegian Sea.
- [National representative](#) in the Marine Working Group of the International Arctic Science Committee.
- Member of ICES Working Group on Widely Distributed Stocks and Working Group of International Pelagic Surveys.
- [Chair](#) of ICES workshop on blue whiting long-term management strategy evaluation in 2016.

Conferences and Seminars

- Oral presentation and invited speaker at 15 conferences and workshops nationally and internationally.
- Organizer and host of a session at the American Fisheries Society conference in 2014.

Reviewer

Reviewed 17 articles for journals such as Progress in Oceanography, Deep Sea Research, Environmental Biology of Fishes, Fisheries Research, and ICES Journal of Marine Research.