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Profession Oceanographer, Ph.D.

Current position Biological oceanographer, Pelagic Department, Faroe Marine Research Institute

Academic degrees

2017	Ph.D. in biological oceanography, University of Faroe Islands
2013	Diploma for graduates in mathematics, University of London Online Programmes
2001	Cand. scient. in Geophysics, University of Copenhagen

Employments

2017 - present	Researcher at the Faroe Marine Research Institute, Pelagic Department
2013 - 2017	Ph.D.-student at Faroe Marine Research Institute
2005 - 2006	Teacher in mathematics at high school level at Handilsskúlin á Kambsdali
2002 - 2004	Scientist at Faroe Marine Research Institute
2001	Teacher in mathematics at high school level at Handilsskúlin á Kambsdali

Research fields

Climatic effects on the primary production on the Faroe Shelf
Pelagic fish stocks

Language capacity

Faroese	Mother tongue
Danish	Fluent
English	Fluent

Peer-reviewed publications

Eliassen, S. K., Hátún, H., Larsen, K. M. H., Vang, H. B. M. and Rasmussen, T. A. S. 2019. The Faroe shelf spring bloom onset explained by a 'Critical Volume Hypothesis'. *Journal of Marine Systems* 193. <https://doi.org/10.1016/j.jmarsys.2019.02.005>

Kristiansen, I., Hátún, H., Petursdóttir, H., Gislason, A., Broms, C., Melle, W., Jacobsen, J. A., Eliassen, S. K. and Gaard, E. 2019. Decreased influx of *Calanus* spp. into the south-western Norwegian Sea since 2003. *Deep Sea Research Part I: Oceanographic Research*. <https://doi.org/10.1016/j.dsr.2019.05.008>

Jacobsen, S., Gaard, E., Larsen, K. M. H., Eliassen, S. K. and Hátún, H. 2018. Temporal and spatial variability of zooplankton on the Faroe shelf in spring 1997–2016. *Journal of Marine Systems* 177. <https://doi.org/10.1016/j.jmarsys.2017.08.004>

Eliassen, S. K., Hátún, H., Larsen, K. M. H. and Jacobsen, S. 2017. Faroe shelf bloom phenology – The importance of ocean-to-shelf silicate fluxes. *Continental Shelf Research* 143. <https://doi.org/10.1016/j.csr.2017.06.004>

- Eliassen, S. K., Hátún, H., Larsen, K. M. H., Hansen, B. and Rasmussen, T. A. S. 2017. Phenologically distinct phytoplankton regions on the Faroe Shelf - identified by satellite data, in-situ observations and model. Journal of Marine Systems 169, pp. 99–110. <https://doi.org/10.1016/j.jmarsys.2017.01.015>*
- Ottosen, K. M., Pedersen, M. W., Eliassen, S. K., Steingrund, P., Magnussen, E. and Rasmussen, T. A. S. 2017. Migration patterns of the Faroe Plateau cod (*Gadus morhua*, L.) revealed by data storage tags. Fisheries Research 195. <https://doi.org/10.1016/j.fishres.2017.06.014>*
- Eliassen, S.K., Hansen, B., Larsen, K.M.H., Hátún, H. 2016: The Exchange of Water between the Faroe Shelf and the Surrounding Waters and its Effect on the Primary Production. Journal of Marine Systems, 153, 1-9. <https://doi.org/10.1016/j.jmarsys.2015.08.004>*
- Pacariz, S. V., Hátún, H., Jacobsen J. A., Johnson, C., Eliassen and S., Rey, F. 2016. Nutrient-driven poleward expansion of the Northeast Atlantic mackerel (*Scomber scombrus*) stock: A new hypothesis. Elementa: Science of the Anthropocene. <http://doi.org/10.12952/journal.elementa.000105>*
- Eliassen, S.K., Gaard, E., Hansen, B., Larsen, K.M.H., 2005: A “Horizontal Sverdrup mechanism” may control the spring bloom around small oceanic islands and over banks. Journal of Marine Systems 56. <https://doi.org/10.1016/j.jmarsys.2005.03.005>*
- Hansen, B., Eliassen, S.K., Gaard, E., Larsen, K.M.H., 2005: Climate effects on plankton and productivity on the Faroe Shelf. ICES Journal of Marine Science , 62. <https://doi.org/10.1016/j.icesjms.2005.04.014>*