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Profession Oceanographer, Ph.D.

Current position Head of Environmental Department, Faroe Marine Research Institute

Education

2009	Ph.D. in oceanography, University of Bergen, Norway
2003	Cand. scient. in oceanography, University of Bergen, Norway
1995	B.S. in electroengineering, University of the Faroe Islands

Employments

2003 - present	Oceanographer at the Faroe Marine Research Institute
1997 - 2003	Engineer at the Faroe Marine Research Institute
1995 - 1997	Engineer at Sp/f Datronik

Main work fields

- Research interests: Coastal waters, exchange between on-shelf and off-shelf waters and biological-physical coupling. Inflow of Atlantic water.
- Oceanographic instrumentation. Data quality and processing.

Other assignments

2016 -	Lead in Danish Dancea project on Western Valley OverfloW (WOW)
2015 - 2017	Co-Chair of the ICES Working Group on Oceanic Hydrography (together with Sarah Huges, Scotland)
2015 -	Partner in EU Horizon2020 project on Optimizing and Enhancing the Integrated Atlantic Ocean Observing System (AtlantOS)
2014 -	Member of OceanSITES Steering Team
2012 - 2016	Partner and WP lead (since 2014) in EU FP7 project on North Atlantic Climate (NACLIM)
2010 -	Adj. Lector at the University of the Faroe Islands
2004 -	Member of the ICES Working Group on Oceanic Hydrography

Language capacity

Faroese	Mother tongue
Scandinavian	Fluent
English	Good

Peer-reviewed publications

- 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. doi:10.1016/j.jmarsys.2015.08.004.
- B. Hansen, K. M. H. Larsen, H. Hátún, R. Kristiansen, E. Mortensen, and S. Østerhus.* 2015. Transport of volume, heat, and salt towards the Arctic in the Faroe Current 1993-2013. *Ocean Sci.*, 11, 743-757, doi:10.5194/os-11-743-2015.
- E. Darelius, I. Fer, T. Rasmussen, C. Guo, and K. M. H. Larsen,* 2015. On the modulation of the periodicity of the Faroe Bank Channel overflow instabilities. *Ocean Sci.*, 11, 855-871, 2015, www.ocean-sci.net/11/855/2015/ doi:10.5194/os-11-855-2015.

- Eliassen, S. K., Hansen, B., Larsen, K. M. H., Hátún, H. 2015.* 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. doi:10.1016/j.jmarsys.2015.08.004.
- Till A. S. Rasmussen, Steffen M. Olsen, Bogi Hansen, Hjálmar Hátún, Karin M. H. Larsen. 2014.* The Faroe shelf circulation and its potential impact on the primary production. *Continental Shelf Research* 88 (2014) 171–184. <http://dx.doi.org/10.1016/j.csr.2014.07.014>.
- Berx, B., Hansen, B., Østerhus, S., Larsen, K. M., Sherwin, T. and Jochumsen, K. 2013.* Combining in situ measurements and altimetry to estimate volume, heat and salt transport variability through the Faroe-Shetland Channel. *Ocean Sci.*, 9, 639-654, www.ocean-sci.net/9/639/2013/ doi:10.5194/os-9-639-2013.
- Larsen, K.M.H., Hatun, H., Hansen, B., and Kristiansen, R., 2012.* Atlantic water in the Faroe area: sources and variability. doi: 10.1093/icesjms/fss028.
- Larsen, K.M.H., Hansen, B., and Svendsen, H., 2009.* The Faroe Shelf Front: Properties and exchange. *Journal of Marine Systems* 78: 9-17. DOI: 10.1016/j.jmarsys.2009.02.003.
- Larsen, K.M.H., Hansen, B., and Svendsen, H., 2008.* Faroe Shelf Water. *Continental Shelf Research* 28 (14): 1754-1768.
- Hansen, B., Eliassen, S.K., Gaard, E., and Larsen, K.M.H. 2005.* Climatic effects on plankton and productivity on the Faroe Shelf. *ICES Journal of Marine Science* 62: 1224-1232.
- Eliassen, S.K., Gaard, E., Hansen, B., and 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: 352-362.
- Hansen, B., Østerhus, S., Hátún, H., Kristiansen, R. and Larsen, K.M.H.. 2003.* The Iceland-Faroe inflow of Atlantic water to the Nordic Seas, *Prog. in Oceanogr.*, 59: 443-474.

Other publications

- Mortensen, E., Larsen K. M. H., Hansen, B., Kristiansen, R., Østerhus, S. 2015.* NAACLIM ADCP Deployments in Faroese Waters 2014 - 2015. Havstovan nr. 15-03. Technical report.
- Larsen, K.M.H. 2009.* Landgrunssjógvurin – uppvakstraræki hjá toski. Mið og Magn 1/2009: 8-9.
- Larsen, K.M.H., 2009.* Circulation and exchange of water masses on the Faroe Shelf and the impact on the Shelf ecosystem. Dissertation for the degree of philosophiae doctor (PhD). University of Bergen, Norway. ISBN 978-82-308-0737-8.
- Larsen, K.M.H. 2005.* Hitin á Landgrunnum sett nýtt met. *Frøði* 1/2005: 30-34.
- Larsen, K.M.H. 2004.* Útskiptingin av sjónum á Landgrunnum stýrir tilgongd av fiski. *Sosialurin* nr. 78: 6-7.
- Larsen, K.M.H. 2003.* An investigation of the Faroe Shelf Front. Cand Scient Thesis. Geophysical Institute, University of Bergen. 50 pp.
- Larsen, K.M.H., Hansen, B., Svendsen, H., and Simonsen, K. 2002.* The front on the Faroe Shelf. *ICES CM* 2002/P:10, 15 pp.
- Larsen, K.M.H., Hansen, B., Kristiansen, R. and Østerhus, S. 2000.* Internal tides in the waters surrounding the Faroe Plateau. *ICES CM* 2000/L:09, 13 pp
- Hansen, B., Østerhus, S., Kristiansen, R., and Larsen, K.M.H. 1999.* The Iceland-Faroe inflow of Atlantic water to the Nordic Seas. *ICES CM* 1999/L:21, 14 pp.
- Hansen, B., Larsen, K.M.H., Østerhus, S., Turrell, B., Jónsson, S. 1999.* The Atlantic Water Inflow to the Nordic Seas. *The International WOCE Newsletter* 35: 33-35.