

## CV Hjalmar Hátún

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**Profession** Physical oceanography, Ph.D.

**Current position** Researcher

**Academic degrees** 2004 Dr. Scient (Ph.D.) in Oceanography, University of Bergen.  
2000 M.Sc. in Physics, NTNU, Norwegian University of Science and Technology.  
1998 - 1999 Exchange student at UC Berkeley, Department of Physics.

### Relevant Professional Experience

2006 - present Oceanographer, Environmental Department, Faroe Marine Research Institute, Faroe Islands.  
2004 - 2005 Post Doc, School of Oceanography, University of Washington, Seattle, USA.  
2000 - 2001 Data analyst, Environmental Department, Faroese Fisheries Laboratory, Faroe Islands.  
Analysis of Oceanographic data (primarily current and hydrographical observations) from the Faroese region.  
1994 - 1995 Data collection, Office of Public Works (presently called 'Landsverk'), Faroe Islands.  
Responsible for Oceanographic, Hydrologic and Meteorological data collection and processing.

### Teaching Experience and supervision

Spring 2010 Lecturing the course: Marine climate and ecosystems at the University of the Faroe Islands  
Summer 2009 Course leader at the Bergen Summer Research School at the University of Bergen  
(Course 5: Impact of Climate Change on Marine and Terrestrial Resources).  
Fall 2008 Lectured the course: Oceanography for biologists at the University of the Faroe Islands

I am presently supervising one PhD student

**Language capacity** Faroese Mother tongue  
Danish Fluent  
Scandinavian Fluent  
English Fluent

### Peer reviewed publications, presentation and posters

*Till A. S. Rasmussen, Steffen M. Olsen, Bogi Hansen, Hjalmar 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>.*  
*Larsen, K.M., Hátún, H., Hansen, B. And Kristiansen, R, 2012. Atlantic water in the Faroe area: sources and variability. doi: 10.1093/icesjms/fss028.*  
*Homrum, E. Í., Hansen, B., Steingrund, P., Hátún, H., 2011. Title: Growth, maturation, diet and distribution of saithe (*Pollachius virens*) in Faroese waters (NE Atlantic). Marine Biology Research In Press*  
*Zhai, L., Gudmundsson, K., Miller, P., Peng W., Gudfinnsson, H., Debes, H., Hátún, H., White, G., Walls,*

- R.H., Sathyendranath, S. and Platt, T., 2011. Phytoplankton phenology and production around Iceland and Faroes, Continental Shelf Research, In Press.
- Payne, M., Egan, A., Fässler S.M., Hátún, H., Holst, J.C., Jacobsen, J.A., Slotte, A. and Loeng, H., 2011. The rise and fall of the NE Atlantic blue whiting. Marine Biology Research, In Press.
- Hansen, B., Hátún, H., Kristiansen, R., Olsen, S.M., Østerhus, S., 2010. Stability and forcing of the Iceland-Faroe inflow of water, heat, and salt to the Arctic. Ocean Science, 6, doi:10.5194/os-6-1013-2010.
- Hátún, H. and Gaard, E. 2010. Marine climate, squid and pilot whales in the northeastern Atlantic. in Dorete – her book, Annales Societatis Scientiarum Færoensis Supplementum 52: 50-68. Faroe University Press, Tórshavn, 307 pp.
- Steingrund, P., R. Mouritsen, J. Reinert, E. Gaard, and H. Hátún, 2010. Total stock size and cannibalism regulate recruitment in cod (*Gadus morhua*) on the Faroe Plateau. ICES Journal of Marine Science, 67, 111-124.
- Hátún, H., Payne, M., Beaugrand, G., Reid, P.C., Sandø, A.B., Drange, H., Hansen, B., Jacobsen, J.A., and Bloch, D. 2009. Large bio-geographical shifts in the north-eastern Atlantic Ocean: From the subpolar gyre, via plankton, to blue whiting and pilot whales. Progress in Oceanography, 80: 149-162.
- Hátún, H., Payne, M.R., and Jacobsen, J.A. 2009. The North Atlantic subpolar gyre regulates the spawning distribution of blue whiting (*Micromesistius poutassou*). Canadian Journal of Fisheries and Aquatic Sciences, 66: 759-770.
- Reid, P. C. et al. (and Hátún, H.), 2009. Impacts of the Oceans on Climate Change. Advances in Marine Biology, Vol 56 56: 1-150.
- Steingrund, P., and Hátún, H. 2008. Relationship between the North Atlantic Subpolar Gyre and fluctuations of the saithe stock in Faroese waters. ICES, North Western Working Group: 1-7.
- Häkkinen, S., Hátún, H., and Rhines, P. 2008. Satellite evidence of change in the northern gyre. In Arctic-Subarctic Ocean Fluxes. Edited by R.R. Dickson, J. Meincke, and P. Rhines. Springer, 551-565.
- Hátún, H, Arge, J. and Sandø, A.B. Environmental influence on the spawning distribution and migration pattern of northern blue whiting (*Micromesistius poutassou*). ICES CM:B06
- Hatun, H., Eriksen, C.C., and Rhines, P.B. 2007. Buoyant eddies entering the Labrador Sea observed with gliders and altimetry. J. Phys. Oceanogr., 37: 2838-2854.
- Hátún, H., Sandø, A.B., Drange, H., Hansen, B., and Valdimarsson, H. 2005a: Influence of the Atlantic subpolar gyre on the thermohaline circulation. Science, 309, 1841-1844.
- Hátún, H., Sandø, A., Drange, H., and Bentsen, M., 2005b: Temperature variations in the Faroe-Shetland inflow waters, in The Nordic Seas: An integrated perspective, Geophysical Monograph series 158, American Geophysical Union, Washington, DC, 239-250.
- Hátún, H. 2004. The Faroe Current, Dr. Scient, University of Bergen, Norway.
- Hátún, H., B. Hansen, and P. Haugan, 2004. Using an "inverse dynamic method" to determine temperature and salinity fields from ADCP measurements. J. Atmos. Oceanic Technol., 21, 527-534.
- Hansen, B., S. Østerhus, H. Hátún, R. Kristiansen, and K.M.H. Larsen, 2003: The Iceland-Faroe inflow of Atlantic water to the Nordic Seas. Prog. Oceanogr., 59, 443-474.
- Hátún, H. and T. A. McClimans, 2003: Monitoring the Faroe Current using altimetry and coastal sea-level data. Continental Shelf Research, 23, 859-868.
- Hátún, H. 2000. On the accuracy of computing slope current transports from current meter arrays, Master of Science thesis, 97 pp., The Norwegian University of Science and Technology – NTNU, Trondheim, Norway.

**Talks and posters** 30 contributions (talks or posters) to international conferences, whereof four as invited speaker.

#### Activity as a reviewer

Review of three research proposals

Review of three annual reports

Review of scientific papers in the following journals:

Deep Sea Research (2 papers), G-cubed, Global Change Biology, Geophysical Research Letters (4 papers), ICES journal, Journal of Geophysical Research (4 papers), Ocean Science and Tellus.

#### Current research interests

a) Analysis of oceanographic observations (in situ and remotely sensed),

b) analysis of the output from numerical ocean models, c) combined analysis of observations and models and d) the impact of the marine environment on ecosystems. Main regions of interest: The subpolar North Atlantic and the Nordic Seas.

#### **Current memberships, projects and awards**

- Project leader of the networking project SPACE (SubPolar Atlantic – Climate and Ecosystems)
- Project leader for the project Decadal variability in the North Atlantic Ocean/Nordic Seas
- Member of the ICES working Group of Oceanic Hydrography (WGOH)
- Member of the scientific steering group of ASOF (Arctic-Subarctic Ocean Fluxes)
- Member of project NISE (Norwegian-Icelandic Seas Experiment)
- Member of project NorExChange
- Honored as an 'outstanding Faroes young (< 40 years old) scientist' (December 2009)