

CV Petur Steingrund

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Profession Fisheries biology, Ph.D.

Current position Scientist, Faroe Marine Research Institute

Education

1993	Fisheries biologist (Cand. scient) at the University of Bergen
2009	Dr. Philos. at the University of Bergen

Title: " The near-collapse of the Faroe Plateau cod (*Gadus morhua* L.) stock in the 1990s: The effect of food availability on spatial distribution, recruitment, natural production and fishery".

Work and experience

- Teacher in biology and chemistry at Studentaskúlin og HF-skeiðið í Eysturoy 1993 - 95 (the level before university).
- Fisheries biologist at Faroe Marine Research Institute from 1995 to present.
- Occasionally taught in statistics at Fróðskaparsetur Føroya (University at the Faroes).
- Cruise leader of the annual Faroese groundfish surveys 1997 - present.
- Performed tagging experiments since 1997.
- Responsible for the survey database.
- Experience in analysing fish stomachs.
- Member of the ICES North Western Working Group 1997 to present.
- Chair of North Western Working Group since 2012.
- The research topics have centered on Faroe Plateau cod and the processes regulating distribution, behaviour, recruitment, growth, production, and fishery.

Language capacity

Faroese	Mother tongue
Danish	Fluent
Norwegian	Fluent
Islandic	Good
English	Good

Selected publications

- Steingrund P. and Fernø A. 1997.* Feeding behaviour of reared and wild cod and the effect of learning: two strategies of feeding on the two-spotted goby. *Journal of Fish Biology* 51: 334-348.
- Steingrund P. 1999.* Studies of vertical migration of wild Faroe Plateau cod by use of Data Storage Tags. ICES CM 1999/AA:02.
- Nødtvedt M., Fernø A., Gjøsæter J. and Steingrund P. 1999.* Anti-predator behaviour of hatchery-reared and wild juvenile Atlantic cod (*Gadus morhua* L.), and the effect of predator training. In: *Stock Enhancement and Sea Ranching*. Ed. by Howell B.R., Moksness E., and Svåsand T. 350-362.
- Joensen H., Steingrund P., Fjallstein I., and Grahl-Nielsen O. 2000.* Discrimination between two reared stocks of cod (*Gadus morhua*) from the Faroe Islands by chemometry of the fatty acid composition in

- the heart tissue. *Marine Biology* 136: 573-580.
- Gaard E. and Steingrund P. 2001.* Reproduction of Faroe Plateau cod. Spawning grounds, egg advection and larval feeding. *Fróðskaparrit*, 48: 87-103.
- Tuene S., Gundersen A.C., Emblem W.M., Fossen I., Boje J., Steingrund P., and Ofstad L.H. 2002.* Maturation and occurrence of atresia in oocytes of Greenland halibut (*Reinhardtius hippoglossoides* W.) in the waters of East Greenland, Faroe Islands and Hatton Bank. In: *Reproduction of West-Nordic Greenland halibut. Studies reflecting on maturity, fecundity, spawning and TEP*, pp. 39-71. Ed. by A. C. Gundersen. *TemaNord 2002:519*. © Nordic Council of Ministers, Copenhagen 2002. 323pp.
- Gundersen A.C., Emblem W.M., Hellevik A.H., Steingrund P., and Ofstad L.H. 2002.* Fecundity of Greenland halibut (*Reinhardtius hippoglossoides*) in Faroese waters, summer 1999. In: *Reproduction of West-Nordic Greenland halibut. Studies reflecting on maturity, fecundity, spawning and TEP*, pp. 175-195. Ed. by A. C. Gundersen. *TemaNord 2002:519*. © Nordic Council of Ministers, Copenhagen 2002. 323pp.
- Steingrund, P., Ofstad, L.H., and Olsen, D. 2003.* Effect of recruitment, individual weights, fishing effort, and fluctuating longline catchability on the catch of the Faroe Plateau cod (*Gadus morhua* L.) in the period 1989-1999. *ICES Marine Science Symposia*, 219: 418-420.
- Steingrund, P. and Gaard, E. 2003.* Relationship between phytoplankton production and cod production on the Faroe shelf. *ICES CM 2003*. P:40.
- Jákupsstovu, S.H. í, Reinert J. and Steingrund P. 2004.* Cod in Faroese Waters. 10th Norwegian – Russian symposium, Bergen 2003. 16 pp.
- Steingrund, P. and Gaard, E. 2005.* Relationship between phytoplankton production and cod production on the Faroe shelf. *ICES Journal of Marine Science*, 62: 163-176.
- Steingrund, P., Hansen, B., and Gaard, E. 2005.* Cod in Faroese waters. In: *Spawning and life history information for North Atlantic cod stocks: 50-55*, edited by Brander, K. *ICES Cooperative Research Report 274*.
- Joensen, J.S., Steingrund, P., Henriksen, A., and Mouritsen, R. 2005.* Migration of cod (*Gadus morhua*): tagging experiments at the Faroes 1952-65. *Fróðskaparrit* 53: 100-135.
- Smith, L., and Steingrund, P. 2006.* Data-validation of gross data-quantities: a practical approach. *ICES ASC CM 2006 / N: 15*.
- Pampoulie, C., Steingrund, P., Stefánsson, M.Ö., and Daniëlsdóttir, A.K. 2008.* Genetic divergence among East Icelandic and Faroese populations of Atlantic cod provides evidence for historical imprints at neutral and non-neutral markers. *ICES Journal of Marine Science*, 65: 65-71.
- Steingrund, P. 2009.* The near-collapse of the Faroe Plateau cod (*Gadus morhua* L.) stock in the 1990s: The effect of food availability on spatial distribution, recruitment, natural production and fishery. Dr. Philos. thesis at the University of Bergen, 2009. 320 pp. <http://hdl.handle.net/1956/3697> - please use this link when you quote this publication.
- Steingrund, P., Clementsen, D.H., and Mouritsen, R. 2009.* Higher food abundance reduces the catchability of cod (*Gadus morhua*) to longlines on the Faroe Plateau. *Fisheries Research*, 100: 230-239.
- Steingrund, P., and Ofstad, L.H. 2010.* Density-dependent distribution of Atlantic cod (*Gadus morhua*) into deep waters on the Faroe Plateau. *ICES Journal of Marine Science*, 67: 000-000.
- Steingrund, P., Mouritsen, R., Reinert, J., Gaard, E., and Hátún, H. 2010.* Total stock size and cannibalism regulate recruitment in cod (*Gadus morhua*) on the Faroe Plateau. *ICES Journal of Marine Science*, 67: 000-00