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Research interests

Petur Steingrund has following research interests:

- Behaviour and feeding of cod and other demersal fish.
- Stock assessment of cod and other demersal fish.
- Relationships between ocean currents, plankton, fish and seabirds.
- Marine ecosystem states on century-long time scales.

Employment

Havstovan - Faroe Marine Research Institute

Pure Faroe Islands
Faroe Islands
1 Jul 1995 → present

Fróðskaparsetur Føroya - The University of the Faroe Islands

Pure Faroe Islands
Tórshavn, Faroe Islands
1 Jan 2005 → 31 Dec 2025

Náttúruvísindadeildin - Faculty of Science and Technology

Fróðskaparsetur Føroya - The University of the Faroe Islands
Faroe Islands
1 Jan 2005 → 31 Dec 2025

Dr. Philos thesis

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
Steingrund, P. (Author), 2 Oct 2009

Professional Information

Observer in ICES advisory committee ACOM

Member of ICES North-Western working group NWWG

Research outputs – peer reviewed

Jacobsen, S, Nielsen, KK, Kristiansen, R, Grønkjær, P, Gaard, E & Steingrund, P 2022, 'Influence of larval prey availability on year class strength in Faroe Plateau cod (*Gadus morhua*)', *Marine Biology / International Journal on Life in Oceans and Coastal Waters*, vol. 169, no. 153, pp. 1-13. <<https://doi.org/10.1007/s00227-022-04140-w>>

Matras, U, Salter, I, Larsen, KMH, Gaard, E & Steingrund, P 2022, 'Relationship between plankton dynamics and growth of the long-lived clam *Arctica islandica* on the Faroe shelf', *Frontiers in Marine Science*, vol. 9, 822343, pp. 1-19. <https://doi.org/10.3389/fmars.2022.822343>

Vihtakari, M, Elvarsson, BP, Treble, M, Adriana, A, Hussey, NE, Wheeland, L, Roy, D, Ofstad, LH, Hallfredsson, EH, Barkley, A, Estévez-Barcia, D, Nygaard, R, Healey, B, Steingrund, P, Johansen, T, Albert, OT & Boje, J 2022, 'Migration patterns of Greenland halibut in the North Atlantic revealed by a compiled mark-recapture dataset', *ICES Journal of Marine Science*, vol. 79, no. 6, fsac127, pp. 1902-1917. <https://doi.org/10.1093/icesjms/fsac127>

Ofstad, LH, Hátún, H, Pedersen, T, Steingrund, P & Mikkelsen, B 2022, 'Horizontal and Vertical Migration of Anglerfish *Lophius piscatorius* in Relation to Hydrography in Faroese Waters', *Frontiers in Marine Science*, vol. 9, 823066, pp. 1-17. <https://doi.org/10.3389/fmars.2022.823066>

Jacobsen, S, Nielsen, KK, Kristiansen, R, GrønkJær, P, Gaard, E & Steingrund, P 2020, 'Diet and prey preferences of larval and pelagic juvenile Faroe Plateau cod (*Gadus morhua*)', *Marine Biology / International Journal on Life in Oceans and Coastal Waters*, vol. 167, no. 122, pp. 1-16. <https://doi.org/10.1007/s00227-020-03727-5>

Salter, I, Joensen, M, Kristiansen, R, Steingrund, P & Vestergaard, P 2019, 'Environmental DNA concentrations are correlated with regional biomass of Atlantic cod in oceanic waters', *Communications Biology*, vol. 2, 461 (2019), pp. 1-9. <https://doi.org/10.1038/s42003-019-0696-8>

Jacobsen, S, Gaard, E, Hátún, H, Steingrund, P, Larsen, KMH, Reinert, J, Ólafsdóttir, SR, Poulsen, M & Vang, HBM 2019, 'Environmentally Driven Ecological Fluctuations on the Faroe Shelf Revealed by Fish Juvenile Surveys', *Frontiers in Marine Science*, vol. 6, 559, pp. 1-12. <<https://www.frontiersin.org/articles/10.3389/fmars.2019.00559/full>>

Ottosen, KM, Steingrund, P, Magnussen, E & Payne, MR 2018, 'Distribution and timing of spawning Faroe Plateau cod in relation to warming spring temperatures', *Fisheries Research*, vol. 198, pp. 14-23. <https://doi.org/10.1016/j.fishres.2017.10.022>

Ottosen, KM, Pedersen, MW, Eliassen, SK, Steingrund, P, Magnussen, E & Rasmussen, TAS 2017, 'Migration patterns of the Faroe Plateau cod (*Gadus morhua*, L.) revealed by data storage tags', *Fisheries Research*, vol. 195, pp. 37-45. <https://doi.org/10.1016/j.fishres.2017.06.014>

á Nordi, G, Simonsen, K, Danielsen, E, Eliassen, K, Mols-Mortensen, A, Christiansen, DH, Steingrund, P, Galbraith, M & Patursson, Ø 2015, 'Abundance and distribution of planktonic *Lepeophtheirus salmonis* and *Caligus elongatus* in a fish farming region in the Faroe Islands', *Aquaculture Environment Interactions*, vol. 7, pp. 15-27. <https://doi.org/10.3354/aei00134>

Homrum, Eí, Hansen, B, Jónsson, SP, Michalsen, K, Burgos, J, Righton, D, Steingrund, P, Jakobsen, T, Mouritsen, R, Hátún, H, Armannsson, H & Joensen, JS 2013, 'Migration of saithe (*Pollachius virens*) in the Northeast Atlantic', *ICES Journal of Marine Science*, vol. 70, no. 4, pp. 782-792. <https://doi.org/10.1093/icesjms/fst048>

Ofstad, LH, Angus, C, Pedersen, T & Steingrund, P 2013, 'Age and growth of anglerfish (*Lophius piscatorius*) in Faroese waters', *Fisheries Research*, vol. 139, pp. 51-60. <https://doi.org/10.1016/j.fishres.2012.05.011>

Ofstad, LH, Steingrund, P & Pedersen, T 2013, 'Maturation, reproduction and early life history of anglerfish *Lophius piscatorius* in Faroese waters: Búning, nöring og yngullívssøga hjá havtasku í føroyskum sjógvi', *Fróðskaparrit - Faroese Scientific Journal*, vol. 60. bók, 60, pp. 114-133. <https://doi.org/10.18602/fsj.v60i0.3>

í Homrum, E, Hansen, B, Hátún, H & Steingrund, P 2012, 'Growth, maturation, diet and distribution of saithe (*Pollachius virens*) in Faroese waters (NE Atlantic)', *Marine Biology Research*, vol. 8, no. 3, pp. 246-254. <https://doi.org/10.1080/17451000.2011.627921>

Steingrund, P, Mouritsen, R, Reinert, J, Gaard, E & Hátún, H 2010, 'Total stock size and cannibalism regulate the recruitment in cod (*Gadus morhua* L.) on the Faroe Plateau', *ICES Journal of Marine Science*, vol. 67, no. 1, pp. 111-124. <https://doi.org/10.1093/icesjms/fsp240>

Steingrund, P, Clementsen, DH & Mouritsen, R 2009, 'Higher food abundance reduces the catchability of cod (*Gadus morhua*) to longlines on the Faroe Plateau', *Fisheries Research*, vol. 100, no. 3, pp. 230-239. <https://doi.org/10.1016/j.fishres.2009.08.002>

Steingrund, P & Ofstad, LH 2009, 'Density-dependent distribution of Atlantic cod (*Gadus morhua*) into deep waters on the Faroe Plateau', *ICES Journal of Marine Science*, vol. 67, no. 1, pp. 102-110. <https://doi.org/10.1093/icesjms/fsp230>

Steingrund, P & Gaard, E 2005, 'Relationship between phytoplankton production and cod production on the Faroe shelf', *ICES Journal of Marine Science*, vol. 62, no. 2, pp. 163-176. <https://doi.org/10.1016/j.icesjms.2004.08.019>

Gaard, E & Steingrund, P 2001, 'Reproduction of Faroe Plateau cod: Spawning grounds, egg advection and larval feeding', *Fróðskaparrit - Faroese Scientific Journal*, vol. 48. bók, pp. 87-103.

Research outputs – other contributions

Clementsen, DHJ & Steingrund, P 2023, *Royndarveiða við gørnnum á Føroyabanka í 2022*. Havstovan.

Arneberg, P (ed.), Olafsdóttir, AS (ed.), Eliassen, SK, Jacobsen, JA, í Homrum, E & Steingrund, P 2022, *Working Group on the Integrated Assessments of the Norwegian Sea (WGINOR; outputs from 2021 meeting)*. ICES Scientific Reports, vol. 4, 35 edn, ICES, Copenhagen, Denmark. <https://doi.org/10.17895/ices.pub.19643271>

Clementsen, DHJ & Steingrund, P 2022, *Royndarveiða við gørnnum á Føroyabanka í 2021*. Havstovan.

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Howell, D (ed.), Ofstad, LH & Steingrund, P 2021, *Benchmark Workshop for Barents Sea and Faroese Stocks (WKBARFAR 2021)*. ICES Scientific Reports, no. 21, vol. 3, ICES, Copenhagen, Denmark. <https://doi.org/10.17895/ices.pub.7920>

Dingsør, GE, Hallfredsson, EH, Heggebakken, L, Ofstad, LH, Pastoors, M, Steingrund, P, Woods, P & Skúvadal, FB 2021, *Benchmark Workshop of Greater silver smelt*. ICES Scientific Reports, vol. 3, 5 edn, ICES, Copenhagen, Denmark. <https://doi.org/10.17895/ICES.PUB.5986>

Ottosen, KM, Pedersen, MW, Eliassen, K, Steingrund, P, Magnussen, E & Till Andreas Soya, R 2015, 'Migration and behaviour of the Faroe Plateau cod', pp. 1.

Joensen, M, Kristiansen, R, Steingrund, P, Olsen, JP & Zachariassen, K 2014, *Ávirkan av skiljirist og friðing á upsaveiðu hjá partrolarum*. Havstovan - Faroe Marine Research Institute, Tórshavn.

Matras, U & Steingrund, P 2014, *Mackerel during a century, on the Faroe Shelf: A study based on the growth of *Arctica islandica* (Nøgd av makreli undir Føroyum í eina øld)*. Havstovan - Faroe Marine Research Institute, Tórshavn.

Steingrund, P & Kristiansen, S 2013, *Toskur og hýsa á innaru leiðum – endalig frágreiðing*. Havstovan - Faroe Marine Research Institute, Tórshavn.

Steingrund, P & Kristiansen, S 2013, *Toskur og hýsa á innaru leiðum: Frágreiðing til „Fiskivinnuroyndir“*. Havstovan - Faroe Marine Research Institute, Tórshavn.

Steingrund, P & Kristiansen, S 2013, *Ávirkan av húkastøddum og agni á støddarbýtið av toski og hýsu, veidd við línu*. Havstovan - Faroe Marine Research Institute, Tórshavn.

Joensen, M, Steingrund, P, Olsen, JP, Petersen, JP & Reinert, J 2013, *Skiljirist í partroling eftir upsa*. Havstovan - Faroe Marine Research Institute, Tórshavn.

Kristiansen, S, Steingrund, P & Reinert, J 2011, *Ávirkan av húkastøddum og agni á støddarbýtið av toski og hýsu, veidd við línu: Stutt frágreiðing um verkætlanina "Selektivur línufiskiskapur", figgjað av Fiskivinnugransking*. Havstovan - Faroe Marine Research Institute, Tórshavn.

Steingrund, P 2011, *Svartkalvaveiða og hiti í sjónum*. Havstovan - Faroe Marine Research Institute, Tórshavn.

Gaard, E, Holm, D, Joensen, HJ, Reinert, J, Steingrund, P & Toftum, JH 2011, *Upprit um Umsitingarætlan fyri toska-, hýsu- og upsastovrnarnar í føroyskum sjógvi*.

Steingrund, P & Clementsen, DHJ 2010, *Eingin munur millum veiðievni hjá lemmatrolarum og partrolarum eftir upsa undir Føroyum*. Havstovan.

Gaard, E, Hansen, B, Jacobsen, JA, Magnussen, E, Mikkelsen, B, Steingrund, P & Sørensen, J 2006, *Havið kring Føroyar* . in AM Fosaa, E Gaard & J Dalsgarð (eds), *Føroya náttúra : lívfrøðiligt margfeldi*. 1 edn, Føroya skúlabókagrunnur, Tórshavn, pp. 37-69.