

Curriculum Vitae

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Personalialia

Born May 30, 1980, Norwegian citizen, married, two children.

Education

2006 – 2010 Ph.D. Economics, NHH Norwegian School of Economics.
2003 – 2005 M.Sc. Applied Mathematics, University of Bergen.
2000 – 2003 Cand. Mag. Mathematics, Physics, Norwegian University of Science and Technology.

Employment

2017 – Adjunct Associate Professor, NHH Norwegian School of Economics.
2014 – Research Fellow, SNF – Centre for Applied Research at NHH.
2010 – 2013 Post-Doctoral Fellow (Assistant Professor), NHH Norwegian School of Economics.
2008 – 2010 Research Assistant (part time), Southwest Fisheries Science Center, La Jolla, CA.
2005 Research Assistant (part time), Center for Fisheries Economics, SNF AS.

Publications

Kvamsdal, S.F., J.M. Maroto, M. Moran, L.K. Sandal. Bioeconomic modeling of seasonal fisheries. *European Journal of Operational Research*, forthcoming.

Hopland, A.O., **S.F. Kvamsdal**. Critical success factors for maintenance of local public buildings: The role of contingencies. *Journal of Facilities Management*, forthcoming.

Hopland, A.O., **S.F. Kvamsdal**, and L.K. Sandal (2019). An analysis of maintenance schedules for public facilities. *Operations Research and Decisions* 29(1), 17-35.

Hopland, A.O. and **S.F. Kvamsdal** (2019). Building Conditions in Norwegian Local Governments: Trends and Determinants. *Facilities*, 37(3/4), 141-156 (doi: 10.1108/F-10-2017-0101).

Kvamsdal, S.F. (2019). Indexing of Technical Change in Aggregated Data. *Computational Economics* 53(3), 901-920 (doi: 10.1007/s10614-017-9771-8).

Hopland, A.O. and **S.F. Kvamsdal** (2018). Concerns among local government facility managers: a Norwegian survey. *Facilities* 36(5/6), 230-243.

Hopland, A.O. and **S.F. Kvamsdal** (2018). On the ranking of critical success factors: The role of cost efficiency and score uncertainty for public facilities management. *Journal of Facilities Management* 16(1), 26-37 (doi: 10.1108/JFM-04-2017-0012).

Kvamsdal, S.F., J.M. Maroto, M. Morán, L.K. Sandal (2017). A bridge between continuous and discrete-time bioeconomic models: Seasonality in fisheries. *Ecological Modelling* 364, 124-131 (doi: 10.1016/j.ecolmodel.2017.09.020).

Ekerhovd, N.-A., and **S.F. Kvamsdal** (2017). Up the Ante on Bioeconomic Submodels of Marine Food Webs: A Data Assimilation-based Approach. *Ecological Economics* 131, 250-261 (doi: 10.1016/j.ecolecon.2016.09.005).

Kvamsdal, S.F. (2016). Technical Change as a Stochastic Trend in a Fisheries Model. *Marine Resource Economics* 31(4), 403-419 (doi: 10.1086/687931).

Kvamsdal, S.F., A. Eide, N.-A. Ekerhovd, K. Enberg, A. Gudmundsdottir, A. H. Hoel, K. Mills, F. Mueter, L. Ravn-Jonsen, L.K. Sandal, J. E. Stiansen, and N. Vestergaard (2016). Harvest

- Control Rules in Modern Fisheries Management. *Elementa* 4, 114 (doi: 10.12952/journal.elementa.000114).
- Hopland, A.O. and **S.F. Kvamsdal** (2016). Optimal Maintenance Scheduling of Local Public Purpose Buildings. *Property Management* 34(2), 120-135 (doi: 10.1108/PM-01-2015-0002).
- Kvamsdal, S.F.**, D. Poudel, and L.K. Sandal (2016). Harvesting in a Fishery with Stochastic Growth and a Mean-Reverting Price. *Environmental & Resource Economics* 63(3), 643-663 (doi: 10.1007/s10640-014-9857-x).
- Kvamsdal, S.F.** and L.K. Sandal (2015). The Ensemble Kalman Filter for Multidimensional Bioeconomic Models. *Natural Resource Modeling* 28(3), 321-347 (doi: 10.1111/nrm.12070).
- Poudel, D., L.K. Sandal, and **S.F. Kvamsdal** (2015). Stochastically Induced Critical Depensation and Risk of Stock Collapse. *Marine Resource Economics* 30(3), 297-313.
- Kvamsdal, S.F.** and S.M. Stohs (2014). Estimating Endangered Species Interaction Risk with the Kalman Filter. *American Journal of Agricultural Economics* 96(2), 458-468 (doi: 10.1093/ajae/aat092).
- Peck, M.A., S. Neuenfeldt, T.E. Essington, V.M. Trenkel, A. Takasuka, H. Gislason, M. Dickey-Collas, K.H. Anderson, L. Ravn-Jensen, N. Vestergaard, **S.F. Kvamsdal**, A. Gårdmark, J. Link, and J.C. Rice (2014). Forage Fish Interactions: A Symposium on Creating the Tools for Ecosystem-Based Management of Marine Resources. *ICES Journal of Marine Science* 71(1), 1-4 (doi: 10.1093/icesjms/fst174).
- Poudel, D., L.K. Sandal, **S.F. Kvamsdal**, and S.I. Steinshamn (2013). Fisheries Management Under Irreversible Investment: Does Stochasticity Matter? *Marine Resource Economics* 28(1), 83-103.
- Poudel, D., L.K. Sandal, S.I. Steinshamn, and **S.F. Kvamsdal** (2012). Do Species Interactions and Stochasticity Matter to Optimal Management of Multispecies Fisheries? in *Global Progress on Ecosystem-Based Fisheries Management*, 209-236, Kruse et al. (eds.), Alaska Sea Grant, University of Alaska, Fairbanks.
- Kvamsdal, S.F.** (2011). Exogenous Shocks and Marine Reserves. *Natural Resource Modeling* 24(3), 316-334.
- Kvamsdal, S.F.** and L.K. Sandal (2008). The Premium of Marine Protected Areas: A Simple Valuation Model. *Marine Resource Economics* 23(2), 171-197. (Reprinted in *Valuing Environment and Natural Resources*, 2012, vol. II, chapter 32, K.G. Willis and G. Garrod (eds.), Edward Elgar Publishing.)

Miscellaneous

- Kvamsdal, S.F.** (2018). All the Boats on the Ocean. How Government Subsidies Led to Global Overfishing. By Carmel Finley [review]. *Marine Resource Economics* 33(1), 113-117 (doi: 10.1086/696003).
- Renner, A., **S.F. Kvamsdal**, N.-A. Ekerhovd, A.H. Hoel, B. Bogstad, C. Hansen, G.O. Johansen, A.B. Sandø, J.E. Stiansen (2017). Arctic Marine Resources under Climate Change: Environmental, Socio-Economic Perspectives and Governance [poster]. *ESSAS Open Science Meeting*, Tromsø, Norway.
- Kvamsdal, S.F.**, A. Eide, N.-A. Ekerhovd, K. Enberg, A. Gudmundsdottir, A. H. Hoel, K. Mills, L. Ravn-Jensen, L.K. Sandal, J. E. Stiansen, and N. Vestergaard (2016). Harvest Control Rules in Modern Fisheries Management. In *Proceedings from the 17th Russian Norwegian Symposium*, H. Gjørseter, B. Bogstad, K. Enberg, Y. Kovalev, E. Shamrai (eds.). IMR/PINRO Joint Report Series 3, 2016, pp. 26-27.
- Eskeland, G., **S.F. Kvamsdal** (2015). Naturressurser og økonomer: Naturressursenes økonomi. *Samfunnsøkonomen* Nr. 1, 2015, 81-83 (in Norwegian).
- Kvamsdal, S.F.**, L.K. Sandal, S.I. Steinshamn, D. Poudel (2012). Ecosystem-based management in the Barents Sea [poster]. *ICES/PICES Symposium on Forage Fish Interactions*, Nantes, France.
- Kvamsdal, S.F.** (2012). An Overview of Empirical Analysis of Behavior of Fishermen Facing New Regulations. *Environmental Economics* 3(2), 102-111.
- Simon, E., J. Bojarova, H. Wackernagel, I. Lie, L. Bertino, G. Evensen, P. Sakov, P. Counillon, and **S.F. Kvamsdal** (2011). *Forecasting non-linear systems with the Ensemble Kalman Filter and*

related data assimilation methods (eVITA-EnKF), Nansen Environmental and Remote Sensing Center, NERSC Technical Report No. 325.

Kvamsdal, S.F. (2010). *Spatial Analysis in Fisheries Economics*, Ph.D. Thesis, NHH Norwegian School of Economics.

Work in Progress

Kvamsdal, S.F., J.M. Maroto, M. Moran, L.K. Sandal. A Bellman approach to periodic optimization problems. Submitted.

Hopland, A.O., **S.F. Kvamsdal**. Attitudes to academic office space. Revision submitted.

Kvamsdal, S.F., L.K. Sandal, D. Poudel. Ecosystem Wealth in the Barents Sea. Revision submitted.

Kvamsdal, S.F. et al. Arctic marine resources under climate change: Governance, environmental and socioeconomic perspectives. In progress.

Grants, Projects

- 2019 Drivere bak investeringer i norske kommuner (researcher), Kommunal- og moderniseringsdepartementet.
- 2016 – 2019 ARC-Change – ARCTic Marine Resources under Climate Change: Environmental, Socio-Economic Perspectives and Governance (project leader), Research Council of Norway, project no. 257630/E10.
- 2014 – 2016 EINSAM – Ecosystem-Economic Interactions in the Norwegian Sea: Analysis and Management (project leader), Research Council of Norway, project no. 234238/E40.
- 2014 – 2015 Stochastic Bioeconomic and Population Dynamics Modeling of Collapsed Fisheries (researcher), EEA Grants, NILS-project, project no. 021-ABEL-CM-2013.
- 2014 – 2015 Pelagic Crisis (researcher), Nordic Council of Ministers, project no. (096) – 2013.
- 2013 Overseas Research Grant (UC Berkeley), Research Council of Norway.
- 2012 – 2015 AGAMEM – A General Age-structured Model for Ecosystem Management (researcher), Research Council of Norway.
- 2010 – 2013 CLIFFIMA-net – Nordic network: Climate impact on fish, fishery industry and management in the Nordic Seas (researcher), NordForsk.
- 2010 – 2014 BMAME – Bioeconomic Multispecies Analysis of Marine Ecosystems (post doctoral fellow, researcher), Research Council of Norway.

Teaching, Supervision

- ENE425 Alternative Energy Sources in Physical, Environmental, and Economical Perspectives (NHH master-level course).
- ENE456 Environmental Responsibility: The role of NGOs and large corporations (NHH master-level seminar).
- ENE452 Climate Change and Ethical Challenges (NHH master-level seminar).
- Candidates Diwakar Poudel (2012, Ph. D., NHH), Martha Skog Astrup (2012, master, NHH).

Invited Seminars

- Stockholm Environmental and Resource Economics Seminar, Beijer Institute of Ecological Economics, Sweden (Jan 2016).
- Department of Statistics and Operations Research, Universidad Complutense de Madrid, Spain (Apr 2015).
- Umeå School of Business and Economics, Umeå University, Sweden (Oct 2013).
- Department of Agricultural and Resource Economics, University of California, Berkeley, US (May 2013).

Relevant Experience

- Co-convener and organizer, Bergen Fisheries Economics Workshop (2017, 2018).
- Member of scientific committee, Bergen Economics of Energy and Environment Research Conference (2017, 2018).

- Basic course in pedagogy (NHH, 2017).

Affiliations

Center for Environmental Economics, University of California, San Diego. <http://econ.ucsd.edu/CEE/>

Visits

- Dept. of Statistics and Operations Research, Universidad Complutense de Madrid (Oct 2016, Apr – May 2015).
- Southwest Fisheries Science Center, La Jolla, NOAA National Marine Fisheries Service (Jul 2013).
- Dept. of Agricultural and Resource Economics, University of California, Berkeley (Jan – Jul 2013).
- Center for Environmental Economics, University of California, San Diego & Southwest Fisheries Science Center, La Jolla, NOAA National Marine Fisheries Service (Sep – Oct 2009).
- Dept. of Economics, University of California, San Diego (Aug 2007 – Jun 2008).

Referee

Dynamic Games and Applications, Ecology, Environmental & Resource Economics, Facilities, Fish and Fisheries, Journal of Environmental Economics and Management, Marine Resource Economics, Samfunnsøkonomen, Spatial Economic Analysis.

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