

CURRICULUM VITÆ

for Rögnvaldur Hannesson
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PERSONAL INFORMATION: Born in Iceland in 1943, Norwegian citizen since 1978.

EDUCATION: Pre-university education in Iceland. "Fil. kand." degree, University of Lund, Sweden, 1970, with economics as major subject, and economic history and statistics as minor subjects. "Fil. dr." degree in economics, University of Lund, 1974. Title of dissertation: Economics of Fisheries: Some Problems of Efficiency. Spent the academic year 1972-73 at the University of British Columbia, Vancouver, and followed graduate courses in economics and fisheries biology.

ACADEMIC CAREER

- Teaching assistant in economics at the University of Lund, 1969-70.
- Temporary lecturer in economics (half time) at the University of Lund, 1970-72 and 1973-74.
- Lecturer in economics at the University of Tromsø, Norway, 1975.
- Senior lecturer in economics at the University of Bergen, Norway, 1976-83
- Professor of fisheries economics at the Norwegian School of Economics since 1983 (retired 2013).
- Chairman of the Department of Economics, The Norwegian School of Economics, 1990-92.
- Research Director, Centre for Fisheries Economics, Samfunns- og næringslivsforskning (SNF), Bergen, January – December 2001 and June 2002 - December 2006.

AWARDS

Elected Fellow of the International Institute for Fisheries Economics and Trade, 2014.
Honorary Doctorate, University of Akureyri, Iceland, 2019.

TEACHING EXPERIENCE

- Introductory and intermediate micro- and macroeconomics at universities in Sweden, Norway and the United States
- Advanced undergraduate courses in fisheries economics and petroleum economics at the Norwegian School of Economics and Business Administration and the University of Bergen, and in fisheries economics at universities in Norway, Iceland, and Memorial University of Newfoundland.
- Graduate course in resource economics at the Norwegian School of Economics and Business Administration and the University of Bergen.
- Graduate seminars on resource economics at Humboldt University, Berlin, May 1994, University of Gothenburgh, May 1997 and 1998, and the University of the Far East, Vladivostok, July 2006.
- Lectures on petroleum economics, Naryan-Mar, Russia, organized by the Department of Petroleum Engineering and Applied Geophysics, The Norwegian University of Technology, October 23-26 1996, and Pomor University, Archangelsk, 2006, 2008 and 2009.
- Graduate course on natural resource economics, University of California, San Diego, Spring 2007.
- Master's course in Resource Economics at ISET, Tbilisi State University, Tbilisi, Georgia, 2014-2018.
- Lectures on Petroleum Economics, Catholic University of Angola, Luanda, 2015 and 2017.

VISITS

- Visiting professor, College of Marine Studies and Department of Economics, University of Delaware, October 1981 to February 1982.
- Visiting professor, Department of Economics, University of Iceland, 1988, 1989, 1992 and 1993.
- Visiting Scholar, Institute of Public Finance, Humboldt University, Berlin, May-June 1994.
- Visiting professor, Department of Economics, Memorial University of Newfoundland, September-December 1994.
- Visiting professor, Department of Economics, University of Queensland, Brisbane, Australia, August-December 1998.
- Visiting scholar, School of Marine Affairs, University of Washington, Seattle, USA, January-June 2002.
- Fellow, Institute of Advanced Studies, La Trobe University, Melbourne, Australia, January-March 2007.
- Visiting Professor, Department of Economics, University of California, San Diego, April-July 2007.
- Julian Simon Fellowship, Property and Environment Research Center, Bozeman, Montana, August-October 2013.

CONSULTING

- Led an investigation of the pricing policy of the Norwegian raw fish marketing boards, undertaken for the Norwegian Ministry of Fisheries, Autumn 1979.
- A study of fishermen's organizations and their role in the management of fisheries, undertaken for the FAO, 1984.
- A study of the fisheries in Cyprus, undertaken for the FAO, August 1985.
- Led an investigation of export regulations and market strategies, undertaken by the Foundation for Applied Research for the Norwegian Ministry of Fisheries, Autumn 1987.
- Drafted a five year plan for the fisheries sector in Tanzania, for the FAO, March and April 1988.
- Member of a World Bank team of consultants investigating the role of research in fisheries development in Northwest Africa, Morocco, September 1989.
- The profitability potential of Norway's fisheries and policy recommendations to realize that potential, an investigation for the Norwegian Ministry of Labour and Administration, Spring 1990.
- Lectures at a training course in fisheries management, Bedaihe, China, organized by the FAO, August 1990.
- Led an investigation of alternative methods of marketing fish for the fish meal industry in Norway, Foundation for Research in Economics and Business Administration, Sept. 1991 - March 1992.
- Member of a World Bank team of consultants to propose a new fisheries management system for Peru, short missions 1995 and 1996.
- Workshop in bioeconomic analysis of fisheries at the Shanghai University of Fisheries, December 1995, organized by the FAO.
- Workshop in bioeconomic analysis of fisheries, organized by the FAO and Instituto de Fomento Pesquero, Viña del Mar, Chile, November 1996.
- Workshop on the bioeconomics of the kapenta fishery on Lake Kariba, Lusaka, Zambia, July 1997.
- Lectures on fisheries economics, Universidad Catolica de Valparaíso, Chile, November 2001.
- 2001-2002: Background papers on fisheries, prepared for the World Bank, to be used for the World Summit on Sustainable Development, Johannesburg 2002.
- Bioeconomic modeling of the Chilean fisheries, June 2002.
- Consultation on the octopus fisheries, Mauritania Ministry of Fisheries, June 23-26, 2004.

COMMITTEES, ETC.

- Consultative committees on research grants from the Norwegian Fisheries Research Council (1982-1994).
- Editorial board of Marine Resource Economics.
- Editorial council of the Journal of Environmental Economics and Management (2004 - 2005)
- Board of the Norwegian College of Fisheries (1984-87).

- General Assembly of the Norwegian Fisheries Research Council (1984-91).
- Chairman of the Executive Committee of the International Institute of Fisheries Economics and Trade (1986-90).
- Advisory Board of the Fisheries Centre, University of British Columbia, Vancouver (1992-1998). Evaluation of the Centre, February 1996.
- Committee to Review Individual Fishing Quotas in the United States. US National Research Council, National Academy of Sciences, August 1997 - August 1998.
- Committee to formulate a science plan for the North Pacific Research Board. The National Academies, 2003.
- FAO's Advisory Committee on Fisheries Research, 1997 – 2004.
- Chairman of the "Fish Stock Commission" for the "World Humanity Action Trust". August 1998 – May 2000.

EDITING OF BOOKS AND SPECIAL ISSUES OF JOURNALS

- *The Cost of Fisheries Management*, Ashgate 2003 (with R. Arnason and W. E. Schrank).
- *Climate Change and the Economics of the World's Fisheries* (with Manuel Barange and Samuel Herrick). Edward Elgar, 2006.
- Marine Policy, special issue on the economic effects of climate change on fisheries, Vol. 31, No. 1, January 2007.
- Natural Resource Modeling (with Ragnar Arnason), special issue on the economic effects of climate change on fisheries, Vol. 20, No. 2, June 2007.

PUBLICATIONS

(a) Books:

- *Economics of Fisheries: Some Problems of Efficiency* (Ph.D. dissertation). Studentlitteratur, Lund 1974 (143 p.).
- *Economics of Fisheries. An Introduction*. Universitetsforlaget, Bergen 1978 (156 p.).
- *Bioeconomic Analysis of Fisheries*. Published jointly by Fishing News Books and the FAO, Oxford 1993 (131 p.). Also published in Chinese.
- *Fisheries Mismanagement. The Case of the North Atlantic Cod*. Fishing News Books. Oxford 1996 (155 p.).
- *Petroleum Economics. Issues and Strategies of Oil and Natural Gas Production*. Quorum Books, Connecticut, 1998 (153 p.)
- *Investing for Sustainability: The Management of Mineral Wealth*. Kluwer Academic Publishers, Boston, 2001.
- *The Privatization of the Oceans*. MIT Press, Boston, Mass., 2004.
- *Ecofundamentalism: A Critique of Extreme Environmentalism*, Lexington Books, Lanham, Maryland, 2014.
- *Debt, Democracy and the Welfare State*. PalgravePivot, 2015.

(b) Articles published in refereed journals:

- Relation Between Reproductive Potential and Sustained Yield of Fisheries. *Journal of the Fisheries Research Board of Canada*, Vol. 31, No. 3, 1974, pp. 359-362.
- Varför fiskegränserna bör utvidgas (why fishing limits should be extended). *Ekonomisk debatt*, Vol. 2, No. 5, 1974, pp. 303-308 (in Swedish).
- Fishery Dynamics: A North Atlantic Cod Fishery. *The Canadian Journal of Economics*, Vol. 8, No. 2, May 1975, pp. 151-173.
- A Note on the Welfare-Economic Consequences of Extended Fishing Limits. *Journal of Environmental Economics and Management*, Vol. 5, 1978, pp. 187-197.
- Stagflation: A Problem of the Ageing Welfare State? A Comment on the Baumol-Oates "Cost-Disease" Model. *The Scandinavian Journal of Economics*, Vol. 83, No. 1, 1981, pp. 104-108.
- Defensive Foresight Rather than Minimax: A Comment on Eaton and Lipsey's Model of Spatial Competition. *The Review of Economic Studies*, Vol. 49, 1982, pp. 653-657.

- A Note on Socially Optimal Versus Monopolistic Exploitation of a Renewable Resource. *Zeitschrift für Nationalökonomie*, Vol. 43, 1983, pp. 63-70.
- Optimal Harvesting of Ecologically Interdependent Fish Species. *Journal of Environmental Economics and Management*, Vol. 10, 1983, pp. 329-345.
- The Bioeconomic Production Function in Fisheries: A Theoretical and Empirical Analysis. *Canadian Journal of Fisheries and Aquatic Sciences*, Vol. 40, No. 7, 1983, pp. 968-982.
- Usikre fangstkvoter og optimal kapasitet i ringnotflåten (Uncertain catch quotas and optimal capacity in the purse seine fleet.). *Sosialøkonomen*, Vol. 37, No. 6, June 1983, pp. 27-23 (with Sjur D. Flåm).
- Økonomisk vekst og ikke-fornybare naturressurser (Economic growth and nonrenewable natural resources). *Statsøkonomisk Tidsskrift*, Vol. 98, 1983, pp. 13-34.
- Fisheries Management and Uncertainty. *Marine Resource Economics*, Vol. 1, pp. 89-96, 1984.
- The Effects of a Fishermen's Monopoly in the Market for Unprocessed Fish. *Marine Resource Economics*, Vol. 2, 1985, pp. 75-85.
- Inefficiency Through Government Regulation: The Case of Norway's Fishery Policy. *Marine Resource Economics*, Vol. 2, 1985, pp. 115-141.
- Stefna Norðmanna i sjávarútvegsmálum (Norways fisheries policy). *Fjármálatíðindi*, Vol. 33, 1986, pp. 16-29 (in Icelandic).
- Optimal Thinning of a Year Class with Density-Dependent Growth. *Canadian Journal of Fisheries and Aquatic Sciences*, Vol. 43, No. 4, 1986, pp. 889-892.
- Optimal Catch Capacity and Fishing Effort in Deterministic and Stochastic Fishery Models. *Fisheries Research*, Vol. 5, 1987, pp. 1-21.
- Det nye petroleumsskattesystemet (The new petroleum tax system). *Sosialøkonomen*, No. 2, Vol. 41, 1987, pp. 13-17.
- The Effect of the Discount Rate on the Optimal Exploitation of Renewable Resources. *Marine Resource Economics*, Vol. 3, 1987, pp. 319-329.
- Ætti að veiða stöðugan ársafli úr þorskstofninum? (Should the annual catch of cod be held constant?) *Fjármálatíðindi*, Vol. 36, 1989, pp. 106-114 (in Icelandic).
- Fixed or Variable Catch Quotas? The Importance of Population Dynamics and Stock-Dependent Costs. *Marine Resource Economics*, Vol. 5, 1989, pp. 415-432.
- How to Set Catch Quotas: Constant Effort or Constant Catch? *Journal of Environmental Economics and Management*, Vol. 20, 1991, pp. 71-91, (with Stein I. Steinshamn).
- From Common Fish to Rights Based Fishing. *European Economic Review*, Vol. 35, 1991, pp. 397-407.
- Testing for Output Substitution Possibilities in Cod Fish Processing in Norway. *Marine Resource Economics*, Vol. 8, 1993, pp. 17-30 (with Daniel V. Gordon and Sarah Bibb).
- Fishing Capacity and Harvest Rules. *Marine Resource Economics*, Vol. 8, 1993, pp. 133-143.
- Optimum Fishing Capacity and International Transfer of Excess Allowable Catches. *Land Economics*, Vol. 70, 1994, pp. 330-344.
- Fishing on the High Seas: Cooperation or Competition? *Marine Policy*, Vol. 19, 1995, pp., 371-377.
- Sequential Fishing: Cooperative and Non-cooperative Equilibria. *Natural Resource Modeling*, Vol. 9, 1995, pp. 51-59.
- Long Term Industrial Equilibrium in an ITQ Managed Fishery. *Environmental and Resource Economics*, Vol. 8, 1996, pp. 63-74.
- On ITQs. *Review in Fish Biology and Fisheries*, Vol. 6, 1996, pp. 91-96.
- Exclusive Rights to Fish: Towards a Rational Fisheries Policy. *GeoJournal*, Vol. 39, 1996, pp. 179-184.
- Fishing as a Supergame. *Journal of Environmental Economics and Management*, Vol. 32, 1997, pp. 309-322.
- On Prices of Fresh and Frozen Cod in European and US Markets. *Marine Resource Economics*, Vol. 11, 1997, pp. 223-238 (with Daniel V. Gordon).
- Marine Reserves: What Would They Accomplish? *Marine Resource Economics*, Vol. 13, 1998, pp. 159-170.
- What is a Commodity? An Empirical Definition Using Time Series Econometrics. *Journal of International Food and Agribusiness*, Vol. 10, 1999, pp. 1-29 (with Daniel V. Gordon and William, A. Kerr).

- Renewable Resources and the Gains from Trade. *The Canadian Journal of Economics*, Vol. 33, No. 1, February 2000, pp. 122-132.
- Management Costs in Fisheries. *Marine Policy*, Vol. 24, 2000, pp. 233 – 243 (together with Ragnar Árnason and William Schrank).
- A Note on ITQs and Optimal Investment. *Journal of Environmental Economics and Management*, Vol 40, 2000, pp. 181 – 188.
- Extracting Common Oil. *The Energy Journal*, Vol. 21, 2000, pp. 105 – 120.
- Resource Windfalls: How to Use Them? *OPEC Review*, Vol. 24, 2000, pp. 195 - 209.
- Of Fish and Whales: The Credibility of Threats in International Trade Disputes. *Journal of Policy Modeling* Vol. 22, 2000, pp. 1 – 16 (with Daniel V. Gordon and William A. Kerr).
- Hagnaðurinn af kvótakerfinu og skipting hans (The gains from the quota management system and their distribution). *Fjármálatíðindi*, Vol. 48, 2001, pp. 20 – 34.
- The Estonian Fisheries: From the Soviet System to ITQs and Quota Auctions (with Markus Vetemaa and Margit Eero), *Marine Policy*, Vol. 26, 2002, pp. 95 - 102.
- The Economics of Fishing Down the Food Chain. *Canadian Journal of Fisheries and Aquatic Sciences*, Vol 59, 2002, pp. 755-758.
- Searching for Price Parity in the European Whitefish Market (with Frank Asche and Daniel Gordon). *Applied Economics*, Vol. 34, 2002, pp. 1017 – 1024.
- Allocation of Fish Between Markets and Product Forms (with Frank Asche). *Marine Resource Economics*, Vol. 17, 2002, pp. 225 - 238.
- Energy Use and GDP Growth 1950 – 1997. *OPEC Review*, Vol. 26, 2002, pp. 215-233.
- Aquaculture and Fisheries. *Marine Policy*, Vol. 27, 2003, pp. 169-178.
- The Economics of Marine Reserves. *Natural Resource Modeling*, Vol. 15, 2002, pp. 273 - 290.
- Fish Quota Auctions in the Russian Far East: A Failed Experiment (with Elena Anferova and Markus Vetemaa), *Marine Policy*, Vol. 29, 2005, pp. 47-56.
- Tests for Market Integration and the Law of One Price: The Market for Whitefish in France (with Frank Asche and Daniel Gordon). *Marine Resource Economics*, Vol. 19, 2004, pp. 195-210.
- The quota auctions in Estonia and their effect on the trawler fleet. *Marine Resource Economics* (with Margit Eero and Markus Vetemaa), Vol. 20, 2005, pp. 101-112..
- Landing Fees versus Fish Quotas (with John Kennedy), *Land Economics*, Vol. 81, 2005, pp. 518-529.
- Fishing Right Auctions in the Fisheries of Lake Peipsi-Pihkva, Estonia, *Fisheries Management and Ecology*, Vol. 12, pp. 1-6, 2005 (with Margit Eero and Markus Vetemaa).
- Sharing the Northeast Arctic Cod: Possible Effects of Climate Change, *Natural Resource Modeling* Vol. 19, 2006, pp. 633-654.
- Rights Based Fishing: Use Rights versus Property Rights to Fish. *Reviews in Fish Biology and Fisheries* Vol. 15, 2005, pp. 231-241.
- Individual rationality and the 'zonal attachment' principle: three stock migration models. *Environmental and Resource Economics* Vol. 34, 2006, pp. 229-245.
- Are Fisheries Going from Bad to Worse? The Case of the Northeast Arctic Cod. *International Journal of Global Environmental Issues*, Vol 7, 2007, pp. 137-157.
- Within-Season Rents: Maximized or Dissipated in an Open-Access Fishery? (with John Kennedy), *Marine Resource Economics*, Vol. 21, 2006, pp. 251-267.
- Global Warming and Fish Migrations. *Natural Resource Modeling*, Vol. 20, 2007, pp. 301-319.
- Geographical Distribution of Fish Catches and Temperature Variations in the Northeast Atlantic Since 1945. *Marine Policy* Vol. 31, 2007, pp. 32-39.
- A Note on the Stock Effect. *Marine Resource Economics*, Vol. 22, 2007, pp. 69-75.
- Energi og økonomisk vekst (Energy and economic growth). *Økonomisk forum* nr. 7, 2006, Vol. 60, pp. 6-15.
- Growth Accounting in a Fishery. *Journal of Environmental Economics and Management*, Vol. 53, 2007, pp. 364-376.
- Cheating about the cod. *Marine Policy*, Vol. 31, 2007, pp. 698-705.
- Taxes, ITQs, Investments, and Revenue Sharing. *Marine Resource Economics*, Vol. 22, 2007, pp. 363-371.
- The Exclusive Economic Zone and Economic Development in the Pacific Island Countries. *Marine Policy*, Vol. 32, 2008, pp. 886-897.

- Rent-maximisation versus competition in the western and central Pacific tuna fishery (with John Kennedy). *Journal of Natural Resources Policy Research*, Vol. 1, 2009, pp. 49-65.
- Cooperative Equilibria in Fisheries: How Many Players? *Letters in Spatial and Resource Sciences*, Vol.1, 2008, pp. 61-76.
- Catch Strategies for the Pacific Sardine, CalCOFI Reports Vol. 49, pp. 222-231, 2008 (with Sam Herrick).
- Energy and GDP growth. *International Journal of Energy Sector Management*, Vol. 3, 2009, pp. 157-170.
- Ecological and Economic Considerations in the Conservation and Management of the California Sardine (with Samuel Herrick and John Field). *Canadian Journal of Fisheries and Aquatic Sciences*, Vol. 66, 2009, pp. 859-868.
- Technological Change and the Tragedy of the Commons: The Lofoten Fishery over Hundred and Thirty Years (with Kjell Salvanes and Dale Squires). *Land Economics* Vol. 86, November 2010, pp. 746-763.
- Sardine as Forage Fish (with Samuel Herrick, Jr.), *Marine Policy* Vol. 34, 2010, pp. 935-942.
- When is fish quota enforcement worth while? A study of the Northeast Arctic cod. *Journal of Bioeconomics*, Vol. 13, 2011, pp. 139-160.
- The “Rent Drain”: A Good Measure of the Gains from Better Resource Management? *Marine Resource Economics*, Vol. 25, 2010, pp. 3-10.
- The Coalition of the Willing: Effect of Country Diversity in an Environmental Treaty Game. *Journal of International Organizations* Vol. 5, 2010, pp. 461-474.
- Maximum Economic Yield in Crisis? (with Rashid Sumaila) *Fish and Fisheries*, Vol. 11, 2010, pp. 461-465.
- Rights Based Fishing on the High Seas: Is It Possible? *Marine Policy*, Vol. 35, 2011, pp. 667-674.
- Game Theory and Fisheries. *Annual Review of Resource Economics* Vol. 3, 2011, pp. 181-202.
- Local Feed Fish Supplies and Possible Offshore Aquaculture in California (with Samuel Herrick, Jr.). *Aquaculture Research*, Vol. 44, December 2012, pp.1-7.
- Does Speculation Drive the Price of Oil? *OPEC Energy Review*, Vol. 36, June 2012, pp. 125-137.
- Norway’s Experience with ITQs. *Marine Policy*, Vol. 37, January 2013, pp. 264-269.
- Strictly for the Birds? On Ecosystem Services of Forage Fish. *Marine Policy*, Vol. 38, March 2013, pp. 109-115.
- Sharing the Northeast Atlantic Mackerel. *ICES Journal of Marine Science*, Vol. 70, March 2013, pp. 259-269.
- Sharing a migrating fish stock. *Marine Resource Economics*, Vol. 28, 2013, pp. 1-17.
- Zonal attachment of fish stocks and management cooperation. *Fisheries Research*, Vol. 140, February 2013, pp. 249-54.
- Norway’s Experience with ITQ’s: a Rejoinder. *Marine Policy* Vol. 44, February 2014, pp. 473-4.
- The Other Side of the Coin: The Downside of Norway’s Savings of Petroleum Rents. *Journal of Natural Resources Policy Research*, Vol. 5, Issue 4, 2013, pp. 199-208.
- Does Threat of Mutually Assured Destruction Produce Quasi-Cooperation in the Mackerel Fishery? *Marine Policy*, Vol. 44, February 2014, pp. 342-350.
- The Norwegian Winter Herring Fishery: A story of Technological progress and stock collapse (with Daniel Gordon), *Land Economics* Vol. 91, No. 3, May 2015, pp. 362-385.
- World Fisheries in Crisis? *Marine Resource Economics* Vol. 30, No. 3, 2015, pp. 251-260.
- Fish Quota Prices in Norway. *Marine Resource Economics* Vol. 32, No. 1, 2017, pp. 109-117.
- Return on Capital and Management Reforms in Norway’s Fisheries. *Land Economics* Vol. 93, No. 4, 2017, pp. 710-720.
- Shared Stocks, Game Theory and the Zonal Attachment Principle. *Fisheries Research* Vol. 203, 2018, pp. 6-11.
- Density-dependent growth and cannibalism in Northeast Arctic cod: Some implications for fishing strategies. *Fisheries Research*, Vol. 204. August 2018, pp. 1-7.
- How much do European households pay for green energy? *Energy Policy* Vol. 131, 2019, pp. 235-239.
- CO2 intensity and GDP per capita. *International Journal on Energy Sector Management* (forthcoming).
- Oljefondets usikre skjebne. *Samfunnsøkonomen* (akseptert).

(c) Articles published in refereed electronic journals

- Sustainability of Fisheries. *Electronic Journal of Sustainable Development* (2008) 1(2).

(d) Parts of books and conference proceedings

- Extending Fishing Limits: In Whose Interest? *Acta Societatis Juridica Lundensis*, No. 28, 1978, pp. 31-36.
- A Frontier Production Function for the Norwegian Cod Fisheries. K. Brian Haley (Ed.): *Applied Operations Research in Fishing*. Plenum Press, 1981, pp. 337-360.
- Some Notes on Fisheries Management Problems and Research on Fisheries Economics in Norway and Iceland. L.G. Anderson (Ed.): *Economic Analysis for Fisheries Management Plans*. Ann Arbor Science, 1981, pp. 169-177.
- Optimal Catch Capacity with Variable Catch Quotas. *Experiences in the Management of National Fishing Zones*. OECD, Paris 1984, pp. 10-28.
- Fiskeriforvaltning (Fisheries management). *Forskning og framtid*, Vol. 3, No. 3, Gruppen for Ressursstudier, 1984.
- Omsettelige produksjonsvoter - Et aktuelt virkemiddel for markedsregulering og næringspolitikk? (Transferable production quotas - A relevant policy instrument for market regulation and industrial policy?). R.J. Brunstad and E. Hope (Eds.): *Markedsstruktur og konkurranse*, Bedriftsøkonomens forlag, 1986, pp. 159-170.
- Uproduktiv profittsøking (Rent-seeking). Brunstad and Hope (Eds.): *op. cit.*, pp. 137-158.
- Hotellingsentraliserings- og ensretningslov (Hotelling's law of centralization and uniformity). Stein U. Larsen (Ed.): *Lov og struktur*, Universitetsforlaget, Bergen 1987, pp. 173-184.
- Invited comments on papers on the utilization of the living resources of the sea. E.D. Brown and R.R. Churchill (Eds.): *The UN Convention on the Law of the Sea: Impact and Implementation*. Proceedings of the 19th Annual Conference on the Law of Sea, Cardiff 1985. The Law of the Sea Institute, Honolulu, 1987, pp. 207-209.
- The Regulation of Fleet Capacity in Norwegian Purse Seining. N. Mollett (ed.): *Fishery Control Access Programs Worldwide: Proceedings of a Workshop on Management Options for the North Pacific Longline Fisheries*, Orcas Island, Washington, April 1986. Alaska Sea Grant Report No. 86-4, 1986, pp. 65-82.
- Catch Quotas and the Variability of Allowable Catch. P. Neher, R. Arnason and N. Mollett (Eds.): *Rights Based Fishing*. Proceedings of the NATO Advanced Workshop on the Scientific Foundations for Rights Based Fishing, Reykjavik, June 27-July 1, 1988, Kluwer 1989, pp. 459-465.
- Fixed or Variable Catch Quotas? The Importance of Population Dynamics and Stock Dependent Costs. Neher, Arnason and Mollett, *op. cit.*, pp. 467-480.
- Are Stable TACs Desirable? A. Guimarães Rodrigues (Ed.): *Operations Research and Management in Fishing*, Proceedings of the NATO Advanced Study Institute Conference on Operations Research and Management in Fishing, Povoá de Varzim, March 25 - April 7. Kluwer 1990, pp. 111-122.
- The Norwegian Supply of Groundfish, with Emphasis on the Supply of Frozen Fillets to the United States. W.E. Schrank and N. Roy (Eds.): *Econometric Modelling of the World Trade in Groundfish*. Kluwer, 1991, pp. 355-362.
- Strategies for Stabilization: Constant Catch or Constant Fishing Effort? G. Kruse et al. (eds.): *Management Strategies for Exploited Fish Populations*. Proceedings of the International Symposium on Management Strategies for Exploited Fish Populations, Anchorage, Alaska, October 21-24, 1992. Alaska Sea Grant College Program Report No. 93-02, pp. 665-682.
- The Political Economy of ITQs. E. K. Pikitch, D. H. Huppert and M. P. Sissenwine (eds.): *Global Trends: Fisheries Management*. Proceedings of a Symposium held at Seattle, Washington, 14-16 June, 1994. American Fisheries Society, Bethesda, Maryland, 1997, pp. 237-245.
- The Role of Economic Tools in Redefining Fisheries Management, in T. Pitcher et al. (Eds.): *Reinventing Fisheries Management*. Kluwer, Dordrecht, 1998, pp. 251-260.
- Economics. Chapter 12 in *Handbook on Fish and Fisheries*, P. Hart and G. Reynolds (eds.). Blackwell Science, Vol. 2, 2002, pp. 249-269.
- Oljeinntekter – andre lands erfaringer (Oil revenues – Experiences in other countries), Chapter 2 in *Hva gjør oljepengene med oss?*, Arne Jon Isaksen (Ed.), Cappelen, Oslo, 2002, pp. 33-50.

- The Cost of Fisheries Management: Who Should Pay? Chapter 1 in Schrank, W.E., R. Arnason and R. Hannesson (Eds.): *The Cost of Fisheries Management*, Ashgate 2003 (with R. Arnason and W. E. Schrank).
- The Icelandic Fisheries and the Future of the Icelandic Economy, in E. Guðmundsson and H. Valtýsson: *Competitiveness within the Global Fisheries*, University of Akureyri, 2003, pp. 44-58.
- The Privatization of the Oceans, in D.R. Leal (Ed.): *Evolving Property Rights in Marine Fisheries*, Rowman and Littlefield, 2004, pp. 25-48.
- Sharing the herring: fish migrations, strategic advantage, and climate change, in Hannesson, R., M. Barange and S. Herrick (Eds.): *Climate Change and the Economics of the World's Fisheries: Examples of Small Pelagic Stocks*, Edward Elgar, 2006, pp. 66-99.
- Saving Petroleum Wealth: Tales of Three Jurisdictions, in S. Glomsrød and P. Osmundsen (Eds.): *Petroleum Industry Regulation within Stable States*, Ashgate 2005, pp. 112-130.
- Incentive compatibility of fish-sharing agreements, in T. Bjørndal et al. (eds.): *Advances in Fisheries Economics. Festschrift in Honour of Professor Gordon R. Munro*. Blackwell, 2007, pp. 196-206.
- Do buyback programs make sense? In R. Curtis and D. Squires (eds.): *Fisheries Buybacks*, Blackwell, 2007, pp. 55-63.
- Buyback programs for fishing vessels in Norway, in R. Curtis and D. Squires (eds.): *op. cit.*, pp. 177-190.
- Privatization of the Oceans. Chapter 52 in R.Q. Grafton (ed.): *Handbook for Marine Fisheries Conservation and Management*, Oxford University Press, 2010, pp. 666-674.
- Individual Transferable Quotas for Bycatches: Lessons for the Tuna–Dolphin Issue. Chapter 13 in *Conservation and Management of Transnational Tuna Fisheries*, 2010, pp. 215-224.
- Exclusive Economic Zone. In J.F. Shogren (ed.): *Encyclopedia of Energy, Natural Resource, and Environmental Economics*. Elsevier, Amsterdam, Vol. 2, pp. 150-153.
- Managing shared migratory stocks: the case of the Atlantic mackerel. In M.H. Nordquist, J.N. Moore and R. Long (eds.): *Challenges of the Changing Arctic*. Brill Nijhoff, Leiden & Boston 2016, pp. 559-570.
- The number of players in a fisheries game. In J.C. Seijo and J. Sutinen (eds.): *Advances in Fisheries Bioeconomics*, pp. 5-14. Routledge, 2018.

(e) Other (selected)

- Norwegian Fisheries Policy. Efficiency or Expediency? *Marine Policy Reports*, Vol 4, No. 3, College of Marine Studies, University of Delaware, February 1982.
- Omsettelige fangstkvoter: En ny giv i New Zealands fiskeripolitikk (Transferable catch quotas: a new deal in New Zealand's fisheries policy). *Fiskeriøkonomiske små-skrifter*, No. 27, The Norwegian School of Economics and Business Administration, Bergen 1985.
- *The Economic Characteristics of the Management of the Inshore Fishery in Cyprus*. FAO Technical Cooperation Programme, Rome 1986.
- *Markedsbasert eksportstrategi. En analyse av markeder og omsetningsreguleringer av norsk fisk og fiskevarer* (Market-based export strategy. An analysis of markets and trade regulations for Norwegian fish and fish products). Senter for anvendt forskning (Foundation for Applied Research), Report No. 3, (with Kjell Grønhaug).
- Optimum Fishing Effort and Economic Rent: a Case Study of Cyprus. *FAO Fisheries Technical Paper*, No. 299, Rome 1989.
- Fishermen's Organizations and Their Role in Fisheries Management: Theoretical Considerations and Experiences from Industrialized Countries. *Studies on the Role of Fishermen's Organizations in Fisheries Management. FAO Fisheries Technical Paper*, No. 300, pp. 1-27, Rome 1988.
- *Estimating Import Demand and Supply of Frozen Groundfish Fillets in the United States, Great Britain, Germany and France*. Foundation for Research in Economics and Business Administration, Report No. 3/95, Bergen 1995.
- Three Issues of Sustainability in Fisheries, in *Overcoming Factors of Unsustainability and Overexploitation in Fisheries*, *FAO Fisheries Report* No. 782, pp. 249-264. Rome 2005.
- Subsidy Reform in the Norwegian Fishery Sector, in *Subsidy Reform and Sustainable Development*, pp. 85-107. OECD, Paris 2006.

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