

# Curriculum Vitae Max Nielsen

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Date of birth 13 June 1968

## Overview

The field of work is applied economic research and public consultancies and teaching. Project coordination have been undertaken in several projects, including the Danida funded “Upgrading pangas and tilapia value chains in Bangladesh”. Management of the Fisheries Economics Division has also been my responsibility. Research subjects include: 1) International fish trade, markets, supply, demand and price formation through the value chain, 2) Fisheries and aquaculture economics and management, 3) Bio-economic modelling and 4) Interactions between fisheries management, fish markets, aquaculture and trade policies.

Applied economic research has in different contexts been made in all levels of global value chains for fish on the basis of economic theory. Economic theory considers efficient regulation of market failures as the important source to achieve sustainable growth. Price forecast has been made annually for the publication “Economic situation of the Danish Fisheries” since 2000. These are based on performed research on market structure, integration and substitution of fish products and of different levels in the, in most cases, globalised value chains. Work has been made on price formation, price transmission in the value chain, demand, profit allocation in the value chain, trade barriers such as fish tariffs, eco-labelling of fish and transmission on externalities including regulation between levels in the value chain. All levels of value chains have been considered in different contexts, including aquaculture/fisheries, fish processing, wholesale/import/export, retail sale and consumers. Developing countries have mainly been examined in their role of supplying developed countries fish markets. “Developing like” issues have been the task during a 2-years employment with fisheries regulation in Greenland.

Applied economic research has been made in several external funded projects, in which project coordination have been the task in some. Funding has been raised from among other Danida, the Strategic Research Council, the Green Development and Demonstration Program, the Nordic Council of Ministers and the Danish Fishery Development Program. Projects includes “Upgrading pangas and tilapia value chains in Bangladesh”, “Global market models for salmon, trout, fish meal and oil”, “Optimal rotation in Danish aquaculture”, Improvement of Aquaculture high quality fish fry production”, “Potential of green growth in Nordic fisheries and aquaculture through reductions of nitrogen discharges” and “Socio-economic return of pelagic fisheries in the Northeast Atlantic Ocean”.

Public consultancies have been undertaken as part of the responsibility during the 20 years of the present employment. Public consultancies within the above areas are undertaken mainly under the fixed Contract between the Institute and the Danish Ministry of Food, Agriculture and Fisheries, but also for other Ministries, the Commission, OECD, FAO and the Nordic Council of Ministers.

Teaching is performed at the Master study of environmental economics. Teaching is performed in “Applied Environmental and Natural Resource Economics” (from 2016) and in “The Economics of Climate Change” (2021). Supervision of 7 Ph.D. students are finalized, all within aquaculture economics. I have been member of more Ph.D. evaluations committees.

The methodological toolbox contains environmental and resource economics, applied economics analysis, econometrics, bio-economic supply models and partial equilibrium models.

Other activities include being elected member of the Bureau of the European Association of Fisheries Economists, appointed Danish member of the Nordic Working group for Fisheries, The Nordic Council of Ministers (from 2005) and several referee task for journals such as Aquaculture, Aquaculture Economics and Management, Marine Resource Economics Ecological Economics and Marine Policy.

## Education and employment

Feb 2010	Associate Professor, Environmental and Natural Resource Economics Unit (unit merged of fisheries and environmental economics divisions), Institute of Food and Resource Economics, Faculty of Life Sciences, University of Copenhagen.
Jan 2008	Division leader together with Jesper L. Andersen, Fisheries Division, Institute of Food and Resource Economics, Faculty of Life Sciences, University of Copenhagen.
Dec 2006	Associate Professor, Institute of Food and Resource Economics, Faculty of Life Sciences, University of Copenhagen.
Jan 2005–Nov 2006	Assistant Professor, Institute of Food and Resource Economics, the Royal Veterinary and Agricultural University, Copenhagen.
Sep 2001–Mar 2002	Trainee, Fisheries Division, Directorate for Food, Agriculture and Fisheries, Organisation

Jan 2001 - Oct 2004	for Economic Co-operation and Development, Paris.
Apr 1998–Dec 2004	Ph.D. in Fisheries Economics, University of Southern Denmark, Esbjerg.
Apr 1998	Research Analyst, Danish Research Institute of Food Economics, Copenhagen.
	Employed at the then Danish Research Institute of Food Economics, then part of the Danish Ministry of Agriculture and Fisheries. In 2010 I remain employed at the same institute, which have been through two merges and two name changes and are now part of University of Copenhagen.
Mar 1996–Mar 1998	Economist, Slagelse Hospital.
Jun 1995–Nov 1995	Principal, Budget and Planning Division, Ministry of Trade and Industry, Transportation and Public Works, Greenland Home Rule, Nuuk, Greenland.
Oct 1993–Jun 1995	Principal, Fisheries Division, Ministry of Fisheries, Hunting and Agriculture, Greenland Home Rule, Nuuk, Greenland.
Sept 1988 - Jun 1993	Master in Economics, Odense University, Denmark.

### **Refereed journal publications (selected). Publications 54, h-index 17, citations 919 (Scopus November 2022)**

- Hukom, V., R. Nielsen, R. and M. Nielsen (2022), Effects of co-management on technical efficiency and environmental stressors: An application to small-scale shrimp polyculture in Indonesia, *Aquaculture Economics and Management*, 26(1):98-117.
- Dhar, A.R., Uddin, M.T., Nielsen, M. (2021), Enhancing export potential of Pangasius and Tilapia through quality assurance and safety compliances: Case study of processing plants and exporters in Bangladesh, *Aquaculture* 531, 735921.
- Hossain, A., M. Nielsen, I. Badiuzzaman and F.A. Huda (2021), Market integration between cultured and captured species in developing countries: Lessons from inland areas in Bangladesh, *Marine Resource Economics* 36(2), pp. 155–172.
- Islam, I., M. Nielsen, Badiuzzaman and B. Schulze-Ehlers (2020), Knowledge transfer from experienced to emerging aquaculture industries in developing countries: The case of shrimp and pangasius in Bangladesh, *Journal of Applied Aquaculture* 33(2), pp. 73–95.
- Hossain, A., Badiuzzaman, Nielsen, M., Hoque, S., Roth, E. (2021), The role of private companies in improving nutrition of consumer groups in a developing country: a hedonic analysis of tilapia attributes in Bangladesh, *Journal of Applied Aquaculture*.
- Hukom, V., Nielsen, R., Asmild, M., Nielsen, M. (2020), Do Aquaculture Farmers Have an Incentive to Maintain Good Water Quality? The Case of Small-Scale Shrimp Farming in Indonesia, *Ecological Economics* 176, 106717.
- Hukom, V., M. Nielsen, R. Nielsen and I. Ankamah-Yeboah (2020), A hedonic price study on warm- and cold-water shrimp in Danish retail sale, *Aquaculture Economics and Management* 24(1):1-19.
- Islam, I., Nielsen, M., Ehlers, B.S., Zaman, B., Theilade, I.(2020), Are trade credits a gain or a drain? Power in the sale of feed to pangasius and tilapia farmers in Bangladesh, *Aquaculture Economics and Management* 24(3):338–354.
- Thong, N.T., Ankamah-Yeboah, I., Bronnmann, J., ...Roth, E., Schulze-Ehlers, B. (2020), Price transmission in the pangasius value chain from Vietnam to Germany, *Aquaculture Reports* 16, 100266
- Nielsen, M., I. Ankamah-Yeboah, L. Staahl and R. Nielsen (2018), Price Transmission in the Trans-Atlantic Northern Shrimp Value Chain, *Marine Policy* 93:71-79.
- Abate, T.G., R. Nielsen and M. Nielsen (2018), Agency Rivalry in a Shared Regulatory Space and Its Impact on Social Welfare: The Case of Aquaculture Regulation, *Aquaculture Economics and Management* 22(1):27-48. The paper has received the 2018 Best Paper Award from *Aquaculture Economics and Management*.
- Ankamah-Yeboah, I., L. Staahl and M. Nielsen (2017), Market integration of cold- and warm-water shrimp in Europe, *Marine Resource Economics* 32(4):371-90.
- Nielsen, R., M. Nielsen, T. G. Abate, B. W. Hansen, P. M. Jepsen, S. L. Nielsen, J. Støttrup and K. Buchmann, The importance of live-feed traps - farming marine fish species, *Aquaculture Research* 48(6):2623-2641.
- Thong, N. T., M. Nielsen, E. Roth, N. V. Giap and H S. Solgaard (2017), The World Demand for Pangasius Catfish, *Aquaculture Economics and Management*, 21(3), 400-417.

### **Other selected publications**

- Nielsen, M., L. Ravensbeck and R. Nielsen (2012), Conceptual framework for achieving green growth through improved regulation of fisheries and aquaculture, Report prepared for the OECD Committee of Fisheries, Paris.
- Nielsen, M., C.L. Jensen, R. Nielsen, C.S. Petersen, and L. Ravensbeck (2008), Global market models for salmon, trout, fish meal and oil, report no. 198 from Institute of Food and Resource Economics.
- Gudmundsson, E., F. Asche and M. Nielsen (2006), Revenue Distribution through the Seafood Value Chain, FAO Fisheries Circular No. 1019, FIIU/1019 (En), Rome.

Danish Fish, Confederation of Danish Industries (2005), The Danish seafood industry's development opportunities in the global economy, with contribution from Institute of Food and Resource Economics pp. 7, 12, 14-20 and 46-49. The report was presented at the Conference "Fish without borders" of M. Nielsen, 26 May 2005, in Copenhagen.