

Ole Ritzau Eigaard

Year of birth: 1967

ORCID

0000-0003-4213-2397

Degrees

MSc, University of Copenhagen, Denmark (1999).

PhD, Wageningen UR, The Netherlands (2010).

Positions

Postdoc, DTU Aqua, Technical University of Denmark (2010-2013).

Researcher, DTU Aqua, Technical University of Denmark (2013-2015).

Senior Researcher, Section for Ecosystem based Marine Management, DTU Aqua, Technical University of Denmark (2015-present).

Research area

The intersection of fisheries technology and fisheries management. Particularly the technological developments in commercial fisheries, the resulting changes in vessel fishing power and ecosystem impacts, and the implications hereof for a sustainable management of fisheries and fish resources.

Memberships of scientific committees, 2016-present

NAFO/ICES Pandalus Assessment Group (member 2010-present; chair 2018-present).

ICES-WGFBIT, Working Group on Fisheries Benthic Impacts and Tradeoffs (member 2018-present, chair 2018-2021).

Web of Science publications: 50. **Citations:** 1327. **h-index:** 19. **Other peer review publications:** 3.

Book chapters: 2. **Reports:** 23.

International conferences, 2016-present: Contributions as first author: 2. **Invited:** 1. **Organizing role:** 1.

Evaluation tasks, 2016-present

Journal editorial board member: *Frontiers in Marine Science*, *Fishes*

Reviewer: Norwegian Research Council (NRC) and Portuguese Research Council (FCT)

PhD opponent at University of Groningen (1) and DTU (5)

Referee for international journals: including *Fish and Fisheries*, *ICES Journal of Marine Science*, *Fisheries Research*, *PLOS ONE*, and *Canadian Journal of Fisheries and Aquatic Sciences*.

Advisory tasks, 2016-present

Frequent verbal and written briefings of national ministries. Member of several ICES expert and advisory groups.

Participation in national and international advisory meetings and initiatives with EU-DGENV, EU-DGMARE, OSPAR, HELCOM, ICES and Regional Advisory Councils.

Educational tasks at academical level, 2016-present

DTU courses MSc: Fisheries systems – management and modeling (contributor). Fisheries ecology and assessment (contributor).

Supervision, ongoing or finished in 2016 or later

MSc: Main supervisor: Eleni Skorda, Cooper Van Vranken, and Alex Holdgate. Co-supervisor: Irene Saez Devis & Katrina Bromhall.

PhD: Main supervisor: Ciaran McLaverty, Katrina Bromhall

Postdoc: Ciaran McLaverty, Karin van Der Reijden

Innovation activities, 2016-present

Several innovation projects with industry stakeholders, funded by e.g. the EU-FIFG programme and national GUDP programme, which have led to implementation of both innovative fishing gears and innovative management tools.

Collaboration with other stakeholders, 2016-present

Various national consultation, coordination and expert groups with industry, NGO's and authorities. A number of joint research and innovation projects with stakeholders funded by e.g. the EU-FIFG programme, national GUDP and VELUX programmes. Several popular science disseminations to news, conferences, workshops, and teaching outside academia.

Grants (competitive), ongoing or finished in 2016 or later

FP7 STREP: Benthic ecosystem fisheries impact study (BENTHIS) (PI, WP leader).
Velux Foundations: Sustainability of coastal fisheries in Jammerbugten (coordinator).
GUDP: Development of a by-catch excluder for the Danish and European trawl fisheries (PI, WP leader).
EMFF: Sandbanks and fisheries under EU fisheries and environmental policy (coordinator).
FAF ("Fisheries' Tax Fund"): Fuel use and carbon footprint of the Danish commercial fishery (coordinator).

Selected publications

Amoroso RO, Pitcher CR, Rijnsdorp AD, McConnaughey RA, Parma AM, ... **Eigaard OR**, ... & Jennings S (2018). Bottom trawl fishing footprints on the world's continental shelves. *Proceedings of the National Academy of Sciences of the United States of America*, 115(43), E10275-E10282.
DOI: 10.1073/pnas.1802379115.

Eigaard OR, Bastardie F, Hintzen NT, Buhl-Mortensen L, Buhl-Mortensen P, Catarino R, Dinesen GE, Fock HO, Geitner K, Gerritsen H, Gonzalez MM, Jonsson P, Kavadas S, Lafargue P, Lundy M, Mirelis GG, Nielsen JR, Papadopoulou N, Posen P, Pulcinella J, Russo T, Sala A, Silva C, Smith C, Vanelsander B & Rijnsdorp AD (2017). The footprint of bottom trawling in European waters: distribution, intensity, and seabed integrity. *ICES Journal of Marine Science*. 74(3), 847-865. DOI: 10.1093/icesjms/fsw194.

Ziegler F, Hornborg S, Green BS, **Eigaard OR**, Farmery AK, Hammar L et al. (2016). Expanding the concept of sustainable seafood using Life Cycle Assessment. *Fish and Fisheries*. 17(4):1073-1093.
DOI: 10.1111/faf.12159.

Eigaard OR, Bastardie F, Breen M, Dinesen GE, Hintzen NT, Lafargue P, Mortensen LO, Nielsen JR, Nilson HC, O'Neill FG, Polet H, Reid DG, Sala A, Sköld M, Smith C, Sørensen TK, Tully O, Zengin M & Rijnsdorp AD (2016). Estimating seabed pressure from demersal trawls, seines, and dredges based on gear design and dimensions. *ICES Journal of Marine Science*, vol 73(Supplement 1): i27-i43. DOI: 10.1093/icesjms/fsv099.

Eigaard OR, Marchal P, Gislason H & Rijnsdorp AD (2014). Technological development and fisheries management. *Reviews in Fisheries Science & Aquaculture*, vol 22, pp. 156-174.
DOI: 10.1080/23308249.2014.899557.