

Ole Ritzau Eigaard – Short CV

ORCID

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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 Research Coordinator of 'Marine Biodiversity and Management Advice' (since 2021)

Research area

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

Memberships of scientific committees (last 5 years)

- ICES Advisory Committee (ACOM) (Danish alternate 2021-present).
- ICES-WGFBIT, Working Group on Fisheries Benthic Impacts and Tradeoffs (member 2018-present, chair 2018-2021).
- ICES WGSFD, Working Group on Spatial Fisheries Data (member 2016-present).

Publications

| Type of publication: | Number |
|---------------------------------|--------|
| Web of Science publications: | 61 |
| Citations: | 2199 |
| <i>h</i> -index: | 23 |
| Other peer review publications: | - |
| Books: | - |
| Book chapters: | 1 |
| Reports: | 36 |

International conferences (last 5 years)

| Type of participation: | Number |
|--------------------------------|--------|
| Contributions as first author: | 2 |
| Invited: | 2 |
| Organizing role: | 1 |

Evaluation tasks and reviews (last 5 years)

- Journal editorial board member: Frontiers in Marine Science, Fishes
- Reviewer: Norwegian Research Council (NRC) and Portuguese Research Council (FCT), VELUX Foundations
- PhD opponent at University of Groningen (1) and PhD committee chair at Danish Technical University (6)
- Referee for international journals, including: Nature Sustainability, Nature Scientific Reports, Fish and Fisheries, ICES Journal of Marine Science, Fisheries Research, and Canadian Journal of Fisheries and Aquatic Sciences.

Advisory tasks (last 5 years)

- 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 (last 5 years)

- DTU course 25352 MSc: Blue Bioeconomy Innovation (course co-responsible)
- DTU course 25204 BSc: Fisheries engineer composite course III (course co-responsible)
- DTU course MSc: Fisheries systems – management and modeling (contributor).
- DTU course MSc: Fisheries ecology and assessment (contributor).

Supervision (ongoing or finished in the last 5 years)

| | Principal/main supervisor | Co-supervisor |
|-------------------------|---------------------------|---------------|
| Other (MSc etc.) | 4 | 2 |
| PhD: | 2 | |
| Postdoc: | 2 | 1 |

Innovation activities (last 5 years)

| | Number |
|-----------------|--------|
| Patents: | - |

- 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 (within last 5 years)

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

Grants (competitive) (ongoing or finished within last 5 years)

- 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).
- EMFAF: Seabed impacts from trawling in oxygen depleted areas (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, & 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.