

Short CV – Ole Ritzau Eigaard

Degrees

- PhD, Wageningen UR, Netherlands (2010).
- MSc, University of Copenhagen, Denmark (1999).

Positions

- Senior Researcher, DTU Aqua, Technical University of Denmark (2015-present).
- Researcher, DTU Aqua (2013-2015).
- Postdoc, DTU Aqua (2010-2013).
- Academic Employee, DTU Aqua (2005-2010).
- Research Assistant, Danish Institute of Fisheries Research (DIFRES) (2000-2005).
- Research Assistant, Lund University, Sweden (1999-2000).

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, 2011-present

- IBPP, ICES Inter Benchmark Protocol for Pandalus in Skagerrak and Norwegian Deep (2012-2013).
- ICES Fishing Technology and Fish Behaviour Working Group (2003-present).
- NAFO/ICES Pandalus Assessment Group, Pandalus stock in IIIa and IVa East (2007-present).
- ICES-WGSFD Working Group on Spatial Fisheries Data (2013-present).

Review, 2011-present

Referee for a number of international journals including ICES Journal of Marine science, Fisheries Research, Aquatic Living Resources, Journal of Cetacean Research, PLOS ONE, Canadian Journal of Fisheries and Aquatic Sciences. Reviewer for The EU-FP7 project LC-IMPACT for Radboud University, Nijmegen, Netherlands.

Peer reviewed publications: 28. **Reports:** 50. **International conferences:** 6.

Advisory tasks, 2011-present

Verbal and written briefings of national ministries; Member of several ICES expert and advisory groups; Participation in national and international advisory meetings (e.g. North Sea Regional Advisory Councils).

Educational tasks, 2011-present

DTU course: 25312 Fisheries Systems – Management and Modeling (Contributor)

Supervision, 2011-present

PhD students: 1 (Main Supervisor).

Grants, 2011-present

- EU-Interreg IVA: Sustainable shrimp fishery in Skagerrak (2010-2013, PI).
- GUDP: Development of a light-weight sorting grid for the Danish Norway pout fishery (2011-2012, PI).
- EU-FP7 STREP: Benthic ecosystem fisheries impact study (BENTHIS) (2012-2017, PI).
- GUDP: Efficient and low impact gear in the Danish fishery for Industrial species (GUDP tobis) (2012-2015, PI).
- Nordic Council: The shrimp fisheries in the Skagerrak area of Sweden, Norway and Denmark analysed using a systems perspective (2014-2015, PI).
- GUDP: Development of a bycatch excluder for the Danish and European trawl fisheries (2015-2016, PI).
- VELUX Foundation: Sustainability of coastal fisheries in Jammerbugten (2016-2019, PI).

Research collaboration with stakeholders, 2011-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 the EU-FIFG programme and national GUDP programme.

Five selected publications

Eigaard OR, Bastardie F, Hintzen NT, Buhl-Mortensen L, Buhl-Mortensen P, Catarino R, Dinesen GE, Egekvist J, Fock H, Geitner K, Gerritsen H, González MM, Jonsson P, Kavadas P, Laffargue P, Lundy M, Mirelis GG, Nielsen JR, Papadopoulou N, Posen PE, Pulcinella J, Russo T, Sala A, Silva C, Smith C, Vanelslander B, Rijnsdorp AD. (2016). The footprint of bottom trawling in European waters: distribution, intensity and seabed integrity. *ICES Journal of Marine Science* (accepted).

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

Rijnsdorp AD, Bastardie F, Bolam SG, Buhl-Mortensen L, Eigaard OR, Hamon KG, Hiddink JG, et al. (2016). Towards a framework for the quantitative assessment of trawling impacts on the seabed and benthic ecosystem. *ICES Journal of Marine Science*, 73(Supplement 1), i127–i138. doi:10.1093/icesjms/fsv207.

Eigaard OR, Marchal P, Gislason H, Rijnsdorp, AD. (2014). Technological Development and Fisheries Management. *Reviews in Fisheries Science & Aquaculture*, 22, 156-174.

Eigaard OR, Rihan D, Graham N, Sala A, Zachariassen K. (2011). Improving fishing effort descriptors: modelling engine power and gear-size relations of five European trawl fleets. *Fisheries Research*, 110: 39–46.