

Mikael van Deurs (Associate Professor, DTU-Aqua, Technological University of Denmark)

<https://orbit.dtu.dk/en/persons/mikael-van-deurs>

Born: 1977

ORCID: 0000-0003-2368-2502

Degrees

B.Sc. in Marine Biology, University of California, 2002, US

MSc, University of Copenhagen, Denmark (2005).

PhD, Technical University (DTU), Denmark (2010).

Positions

2019-present Associate professor, Technical University of Denmark

2016-2019 Senior Scientist, Technical University of Denmark

2014-2016 Post doc, Lund University, Sweden

2013-2016 Researcher, DTU Aqua, Technical University of Denmark

2010-2013 Post doc, DTU Aqua, Technical University of Denmark

2007-2010 PhD University of Copenhagen

2005-2007 Research assistant, Danish Institute of Fisheries Research, Denmark

2001-2002 Student help, PISCO Lab. University of California, US

Research area

I work with a wide range of topics in the interface between fisheries and marine ecology using a diversity of methods from models to laboratory experiments. The world's fish stocks are being harvested intensively and provide food security and jobs at a massive scale. My research is therefore centered around advancing the ways we manage fish stocks and plan conservation activities, and acquiring knowledge about the biology and ecology of commercially exploited fish stocks. My main focus has so far been on the ecology of small pelagics (or forage fishes), predator-prey interactions, and bottom up driven dynamics in seasonal marine ecosystems influenced by climate change (in particular the North Sea). The biology of the invasive round goby and its potential as a fisheries resource has been an additional focus in recent years.

Advisory tasks, 2016-present

2021 – present Member of the paragraph-7 committee in the ministry (recreational fisheries)

Nov. 2018 External reviewer – Black Sea sprat benchmark assessment (FAO)

2012-present Stock assessor (5 small pelagic fish stocks, 2 species), International Council for the Exploration of the Seas (ICES)

2013-present Part of the advisory team at DTU aqua; advising the ministry on fisheries related topics

Educational tasks at academical level, 2016-present

2019-present Chair of the study board

2018-present (course responsible) Fisheries Ecology and Assessment, 10 ETCS (DTU)

2018-present (course responsible) PhD course, study group in fisheries biology, 2.5 ETCS (DTU)

Nov. 2021 and May 2022, teaching stock assessment and advice-giving proces in DGMARE (EU)

MSc: 8 (main and co-supervisor); Bsc and other smaller student projects: c. 20

Higher level supervision, 2016 – present. PhDs: Ole Henriksen, 2017-2020. **Postdocs:** Mollie E. Brook 2017-2019; Gitte Høj Jensen 2019-2020; Ole Henriksen 2020-2021

Granted projects where I had (or have) a leading (or coordinating) role, 2016 - present

2022 – present (work package coordinator) Nordic Council of Ministers, Samarbeid om forbedring av miljøsituasjonen i nordiske hav- og kystområder, med fokus på Skagerrak (SAMSKAG)

2022 – present (case study coordinator) Biodiversa, about the use of marine protected areas (MPA4Sustainability)

2019-present (project leader) European Fisheries Fund, about ecosystem-based management (ECOMAN)

2019-present (project leader) European Fisheries Fund, On the biology and management of small pelagic species (PELA)

2019-present (project leader) European Fisheries Fund, about sustainable sprat fishery prey (BEBRIS)

2017- present (project leader) European Fisheries Fund, about management plans for fish stocks (focus on small pelagics in the North Sea)

2004-2018 (work package leader) COFASP-EU, in collaboration with Romania (Black Sea) and Iceland. GOFORIT www.goforit-cofasp.net

2015-2018 (WP leader) National fund for green growth and innovation, about the invasive species the round goby and it can be turned from a pest to a resource (SORTMUND)

2014-2016 (Individual Postdoc grant) Danish Research Council for Independent Research, Natur og Univers, about the great feasts in the sea