

P. Daniel van Denderen – Short CV

ORCID

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Degrees

- MSc, Leiden University, the Netherlands (2010)
- PhD, Wageningen University, the Netherlands (2015).

Positions

- 2015 - 2020 Postdoctoral fellow, Centre for Ocean Life, Technical University of Denmark
- 2016 - 2021 Scientific Assistant, International Council for the Exploration of the Sea (ICES), Denmark
- 2021 - 2023 Researcher, Graduate School of Oceanography, University of Rhode Island, USA
- 2023 - 2024 Researcher, National Institute of Aquatic Resources, Technical University of Denmark
- 2024 - ... Senior Researcher, National Institute of Aquatic Resources, Technical University of Denmark

Research area

I study the biogeography of marine fish types and the food-web structure of fish communities under the influence of fisheries and climate change. I also conduct risk assessments of seafloor habitat impacts from fishing and the associated ecological consequences.

Distinctions and awards

- MSc awarded cum laude (2010)
- PhD awarded cum laude (2015)
- HC Ørsted postdoctoral fellowship (2015)
- Marie Skłodowska-Curie Actions (MSCA) Global Fellowship (2021) (€286,921.92)
- Villum Young Investigator Fellowship (2024) (7.0 million DKK)

Memberships of scientific committees (last 5 years)

- ICES Working Group on Fisheries, Benthic Impacts and Trade-offs
- ICES Working Group on the Assessment of Demersal Stocks in the North Sea and Skagerrak
- Fisheries and Marine Ecosystem Model Intercomparison Project (FishMIP)

Publications

Type of publication:	Number
Web of Science publications:	38
Citations:	822
<i>h</i> -index:	15
Other peer review publications:	0
Books:	0
Book chapters:	1
Reports:	10

International conferences (last 5 years)

Type of participation:	Number
Contributions as first author:	4
Invited:	1
Organizing role:	0

Evaluation tasks and reviews (last 5 years)

- Peer-review of 24 scientific papers.
- Peer-review of PhD project proposal from Wageningen University, the Netherlands

Advisory tasks (last 5 years)

- Part of the ICES steering group to advise the European Commission on deep sea sensitive seafloor areas (2022).
- Co-Chair of ICES workshop to scope assessment methods to set environmental seafloor thresholds (2022)
- Co-Chair of ICES workshop on Nature Restoration and Recovery (2025)
- Stock assessor of three fish stocks (2024, 2025)
- Part of an ICES advisory group meeting as expert and/or ADG alternate (2023, 2024, 2025)

Educational tasks at academical level (last 5 years)

- Coordinator of the PhD course *Early Career Aquatic Seminar* (5 ECTS)
- Guest lecturer in a variety of courses at DTU and the University of Rhode Island

Supervision (ongoing or finished in the last 5 years)

	Principal/main supervisor	Co-supervisor
Other (MSc etc.)	2	1
PhD:	1	2
Postdoc:	0	N/A

Innovation activities (last 5 years)

	Number
Patents:	0

- co-developed a decision and visualization tool to support ICES advice on Vulnerable Marine Ecosystems
- co-developed a benthic impact assessment tool in relation to the EU Marine Strategy Framework Directives
- co-developer of the fish community model FEISTY that integrates fish and fisheries with biogeochemical models

Collaboration with other stakeholders (within last 5 years)

- n/a

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

- Marie Skłodowska-Curie Actions (MSCA) Global Fellowship (2021)
- Villum Young Investigator Fellowship (2024)
- EMFAF-2025-PIA-FisheriesScientificAdvice (2025)

Selected publications

- van Denderen PD, CM Petrik, CA Stock & KH Andersen (2021) Emergent global biogeography of marine fish food webs. *Global Ecology and Biogeography*, 30, 1822–1834
- van Denderen PD, H Holah, LM Robson, JG Hiddink, L Menot, D Pedreschi, G Kazanidis, M Llope, PJ Turner, D Stirling, FJ Murillo, A Kenny, N Campbell, AL Allcock, A Braga-Henriques, JM Gonzalez-Irusta, G Johnston, C Orejas, A Serrano, JR Xavier, P Hopkins, E Kenchington, E Nixon & S Valanko (2022) A policy-based framework for the determination of management options to protect vulnerable marine ecosystems under the EU deep-sea access regulations. *ICES Journal of Marine Science*, 79, 34–49.
- van Denderen PD, AA Maureaud, KH Andersen, S Gaichas, M Lindegren, CM Petrik, CA Stock & J Collie (2023) Demersal fish biomass declines with temperature across productive shelf seas. *Global Ecology and Biogeography* 32, 1846–1857.
- van Denderen PD, M Plaza-Morlote, S Vaz, S Wijnhoven, A Borja, U Fernandez-Arcaya, JM González-Irusta, JLS Hansen, N Katsiaras, A Pierucci, A Serrano, S Reizopoulou, N Papadopoulou, M Sköld, CJ Smith, H Nygård, G Van Hoey, GE Dinesen, EA Virtanen, A Boyé, A García-Alegre, J Bellas, S Bolam, PD Muñoz, M Sacau, G Riva, E Kenchington, S Raicevich, D Reid, MJ Roux, JG Hiddink, S Valanko (2024) Complementarity and sensitivity of benthic state indicators to bottom-trawl fishing disturbance. *Ecological Applications*. 34(8): e3050
- Ottmann D, KH Andersen & PD van Denderen (2024) Biomass and trait biogeography of cephalopods on the European and North American continental shelves. *Global Ecology and Biogeography* 33, 439–449.