

Short CV – P. Daniël van Denderen

Degrees

- PhD, Institute for Marine Resources and Ecosystem Studies, Wageningen University, Netherlands (2015).
- MSc (Eng.), Institute of Biology, Leiden University, Netherlands (2010).

Positions

- Postdoc, DTU Aqua, Technical University of Denmark (2015-present).
- Postdoc, Wageningen University, Netherlands (2015, for 3 months).

Research area

My research is related to the effects of fishing on marine ecosystems. During my PhD, I have studied the effects of bottom trawl fishing on the benthic ecosystem. In the coming years, I will examine the effects of fishing further and I will particularly focus on the importance of the benthic-pelagic energy channel for fish production and fisheries catch.

Distinctions and awards

Training and travel award British Ecological Society (2009, 2013).

Memberships of scientific committees, 2011-present

Member of the British Ecological Society.

Review, 2011-present

Referee for a number of international journals including Proceedings of the Royal Society B, Journal of Applied Ecology, ICES Journal of Marine Science, Marine Ecology Progress Series.

Peer reviewed publications: 7. Reports: 2. International conferences: 12.

Advisory tasks, 2011-present

Involved in various meetings and workshops on the impact of bottom trawling, both locally (in the Netherlands) and regionally (EU FP7 project BENTHIS, Twinning workshop 2014). Further, I have been involved in providing scientific advice at ICES to DG Environment to assess the state of seabed habitats.

Educational tasks, 2011-present

DTU course: 25307 Fisheries Ecology and Assessment (Contributor, one morning).

Supervision, 2011-present

Master students: 1 (Main Supervisor).

Grants, 2011-present

- H.C. Ørsted: Postdoctoral fellowship (2 years).
- Wageningen Institute of Animal Sciences: Postdoctoral fellowship (3 months).
- Schure Beijerinck Popping Fund of the Royal Academy of Arts and Sciences (small grant for research visit).
- Wageningen Institute of Animal Sciences: PhD fellowship (small grant for research visit).

Five selected publications

van Denderen PD, van Kooten T, Rijnsdorp AD. (2013). When does fishing lead to more fish? Community consequences of bottom trawl fisheries in demersal food webs. *Proceedings of the Royal Society B: Biological Sciences*, 230(1769). 10.1098/rspb.2013.1883.

van Denderen PD, van Kooten T. (2013). Size-based species interactions shape cod and herring dynamics in the face of exploitation. *Ecosphere*, 4(10). 10.1890/ES13-00164.1.

van Denderen PD, NT Hintzen, van Kooten T, Rijnsdorp AD. (2015). Temporal aggregation of bottom trawling and its implication for the impact on the benthic ecosystem. *ICES Journal of Marine Science*, 72(3). 952-961. 10.1093/icesjms/fsu183.

van Denderen PD, Hintzen NT, Rijnsdorp AD, Ruardij P, van Kooten T. (2014). Habitat-specific effects of fishing disturbance on benthic species richness in marine soft sediments. *Ecosystems*, 17(7), 1216-1226. 10.1007/s10021-014-9789-x.

van Denderen PD, Bolam SG, Hiddink JG, Jennings S, Kenny A, Rijnsdorp AD, van Kooten T. (2015). Similar effects of bottom trawling and natural disturbance on composition and function of benthic communities across habitats. *Marine Ecology Progress Series*, 541, 31-43. 10.3354/meps11550.