

Short CV – Mark Dickey-Collas

Degrees

- Post-graduate Diploma, Environmental Decision Making, distinction (2000).
- PhD (Marine Biology) Port Erin Marine Laboratory, University of Liverpool (1991).
- BSc (Oceanography and Zoology) (Joint Hons), 2i, University College Swansea, Wales, UK (1988).

Positions

- Associated Professor, DTU Aqua, Technical University of Denmark (2015-present).
- Ecosystem Approach Coordinator, International Council for the Exploration of the Sea (ICES) (2012-present).
- Senior Fisheries Scientist and science manager, Institute for Marine Resources & Ecosystem Studies (IMARES) (2003-2012).
- Fisheries Scientist, Senior Scientific Officer, Department of Agriculture and Rural Development (DARD), Belfast (1992-2003).

Research area

My current focus is to facilitate the practical and tangible application of the ecosystem approach for sustainable exploitation of the marine ecosystem. This involves combining knowledge of differing integrities from across the scientific community into the more applied “advice process”, with the aim of improving the services to inform society about the benefits and impacts of human activities in the marine environment. Previous to joining ICES my main experience was as a provider of fisheries advice to both national and international organisations and I still remain active in this field with ongoing work as a core member of the FAO panel on CITES listing of commercially exploited aquatic species and review work for NOAA.

Memberships of scientific committees, 2011-present

Member of science or stakeholder advisory boards for FP7, H2020, Lenfest, Nordic Council of Ministers and UK projects/programmes.

Review, 2011-present

Reviewer for Canadian Journal of Fisheries and Aquatic Science, ICES Journal of Marine Science, PLOSone, Journal of Sea Research, Fisheries Oceanography, Marine Ecology Progress Series, Limnology & Oceanography, Fishery Bulletin, Marine Systems, Fish & Fisheries (total of 25).

Peer reviewed publications: 78. **Books and book chapters:** 3. **Reports:** >100. **International conferences:** 15.

Advisory tasks, 2011-present

Member of ICES ACFM, ACOM, SCICOM and the EU STECF; Head scientific advisor to the Dutch government on pelagic fish and fisheries from 2003 to 2012; Chaired or acted as facilitator for many assessment, review, benchmark workshops and management plan evaluation groups.

Supervision, 2011-present

PhD students: 2 (Main Supervisor). **Master students:** 2 (Main Supervisor).

Grants, 2011-present

- EC FP7 project MYFISH: Beyond MSY (KBBE.2011.1.2-09) (2012-2013, Case Study Leader)
- Baltic Sea Pilot Project BALSAM (2013-2015, Contributor)
- EC FP7 project MAREFRAME Co-creating Ecosystem-based Fisheries Management Solutions (2014-2017, Contributor)
- European Topic Centre for Inland, Coastal and Marine Waters (ETC/ICM) (2014-2016, Contributor)
- EC H2020 Atlantic Ocean Research Alliance Coordination and Support Action (AORAC-SA) (2015-2018, WP Leader)
- EC H2020 Optimizing and Enhancing the Integrated Atlantic Ocean Observing System (AtlantOS) (2015-2018, Contributor)

Research collaboration with stakeholders, 2011-present

Regular collaboration through advice role and research activities with stakeholders from marine user to NGOs.

Five selected publications

Fassler SMM, Payne MR, Brunel T, Dickey-Collas M. (2011). Does larval mortality influence population dynamics? An analysis of North Sea herring (*Clupea harengus*) time series. *Fisheries Oceanography*, 20(6), 530-543.

Petitgas P, Alheit J, Peck MA, Raab K, Irigoien X, Huret M, van der Kooij J, Pohlmann T, Wagner C, Zarraonaindia I, Dickey-Collas M. (2012). Anchovy population expansion in the North Sea. *Marine Ecology Progress Series*, 444, 1-13.

Engelhard GH, Peck MA, Rindorf A, Smout SC, van Deurs M, Raab K, Andersen KH, Garthe S, Lauerburg RAM, Scott F, Brunel T, Aarts G, van Kooten T, Dickey-Collas M. (2014). Forage fish, their fisheries, and their predators: who drives whom? *ICES Journal of Marine Science*, 71(1), 90-104.

Dickey-Collas M, Payne MR, Trenkel VM, Nash RDM. (2014). Hazard warning: model misuse ahead. *ICES Journal of Marine Science*, 71(8), 2300-2306.

Hufnagl M, Peck MA, Nash RDM, Dickey-Collas M. (2015). Unravelling the Gordian knot! Key processes impacting overwintering larval survival and growth: A North Sea herring case study. *Progress in Oceanography*, 138(SI), 486-503 Part B.