

Grete Elisabeth Dinesen – Short CV

ORCID

0000-0002-6385-1238.

Degrees

Cand. Scient. in Biology, Natural History Museum of Denmark, Zoological Museum (SNM-ZMUC), University of Copenhagen, Denmark (1996).

Positions

1996, Teaching Assistant, co-organiser of new graduate course at MBL, University of Copenhagen, Denmark.

1996-1998, Scientific Consultant in marine invertebrates, BioConsult a/s, Denmark; 1999 & 2000, QA assignments.

1997, 1998, Junior Scientific Officer, co-organiser of two international workshops at PMBC (Phuket, Thailand) for the

1999-2001, Scientific Research Assistant, DANIDA MSc programme, Department of Marine Ecology, Aarhus University.

2002-2004, Amanuensis, DANIDA MSc programme, Department of Marine Ecology, Aarhus University.

University of Copenhagen.

2005-2007, Project Manager, Marine Habitat section, Danish Forest and Nature Agency, Ministry of Environment.

Since 2007, Senior Consultant, Section for Ecosystem-based Marine Management, National Institute for Aquatic Research (DTU Aqua), Technical University of Denmark.

Research area

Marine ecology, ecosystem functioning and habitat biodiversity with a focus on benthic faunal communities, biological traits and life cycle dynamics of species. This involves the development of i), indicators for assessment of environmental state, thresholds and tipping points of benthic faunal habitats in response to drivers of natural variation and human pressures (e.g., climate change, fishery, eutrophication) and ii), benthic habitat protection and restoration measures and trade-off analyses of spatio-temporal ecological and socio-economic information required to advance ecosystem-based management for long-term sustainability of healthy seas.

Distinctions and awards

Otto Mønsted Foundation, research grand for congress participation and oral presentation (Canada, 2018).

Memberships of scientific committees (last 5 years)

Scientific member of the Danish Fisheries Commission.

Scientific delegate member for Denmark of the European Commission expert group TG SEABED.

Scientific member for Denmark of the benthic expert groups under the regional sea conventions (OSPAR OBHEG, HELCOM EN-BENTHIC) and related to the implementation of the EU Marine Strategy Framework Directive, Biodiversity Strategy for 2030, Natura 2000 directives, Nature Restoration Regulation and Common Fisheries Policy.

Member of ICES expert working groups and workshops (e.g., WGFBIT, WGBIODIV, WKBENTH 2 & 3, WKLOSS).

Publications

Type of publication:	Number
Web of Science publications:	39
Citations:	1352
<i>h</i> -index:	17
Other peer review publications:	7
Books:	-
Book chapters:	6
Reports:	>45

International conferences (last 5 years)

Type of participation:	Number
Contributions as first author:	3
Organizing role:	1

Evaluation tasks and reviews (last 5 years)

Referee for international journals (e.g., Ecological Applications, Ecological Indicators, ICES Journal of Marine Science, Journal of Molluscan Research, Journal of Molluscan Studies).

Censor at MSc and BSc theses defended at the University of Copenhagen, University of Aarhus, and University of Southern Denmark, in topics of marine ecology, habitat biodiversity, benthic faunal biology and evolution.

Advisory tasks (last 5 years)

International advice to: EU TG Seabed, OSPAR OBHEG, HELCOM EN-BENTHIC, ICES WGs & WKs.

National advice to: the Danish Ministry of Food, Agriculture and Fisheries (FVM, FST), Ministry of Environment (MIM, MST), and Ministry of Green Transition (SGAV) related to marine ecosystem-based management, biodiversity and nature conservation, responses to human impacts, and implementation of EU policies (e.g., Marine Strategy Framework Directive, Biodiversity Strategy for 2030, Habitat Directive, Nature Restoration Regulation, Common Fisheries Policy).

Educational tasks at academical level (last 5 years)

Organiser and principal teacher of a 2-day scientific advice course for scientist and a 1-day workshop for scientific advisers and governmental managers at the University of Morogoro, Tanzania (DANIDA BSU3 project).

Principal teacher of graduate course sessions covering topics in marine ecosystem functioning, habitat biodiversity, benthic faunal biology, human impacts, and ecosystem-based management at the DTU Aqua (4 graduate courses) and the University of Copenhagen (2 graduate courses).

Supervision (ongoing or finished in the last 5 years)

	Principal/main supervisor	Co-supervisor
Other (MSc etc.)	-	-
PhD:	-	3
Postdoc:	2	N/A

Collaboration with other stakeholders (within last 5 years)

Stakeholder engagement and collaboration in research projects (e.g., VELUX Mapping of fishery, EMFF JAMBAY I & II, EHFAF ECOSPACE).

Grants (competitive) (ongoing or finished in 2023 and later)

Green Transition, PReMaH (application co-lead, Principal Investigator (PI)).

EHFAF, TRAWL-ILT (application co-lead, PI).

EHFAF, ECOSPACE (application lead, Project Coordinator (PC)).

NM, MARHAB (PI).

EMFF, JAMBAY I & II (application lead, PC).

MST, Redlisting of benthic invertebrates in Danish waters I & II (application lead, PC).

EU Horizon, SEAwise (PI).

EMFF, Kysteffekt (PI).

EMFF, GESseabed' (application lead, PC),

VELUX, Mapping of fishery (PI).

Selected publications

Dinesen, G.E., S., Worsaae, K. & Støttrup, J. G. **2024**. Cormorant management in Denmark: A retrospective analyses of using the Systems Approach Framework. *Ocean and Coastal Management*, 257, 13 pp., 107319.

McLavery, C., Eigaard, O. R., Olsen, J., Brooks, M. E., Petersen, J. K., Erichsen, A. C., van der Reijden, K. & **Dinesen, G. E.** **2023**. European coastal monitoring programmes may fail to identify impacts on benthic macrofauna caused by bottom trawling. *Journal of Environmental Management*, 334, 11 p., 117510.

McLavery, C., Eigaard, O.R., Gislason, H., Bastardi, F., Brooks, M. E., Jonsson, P., Lehmann, A., **Dinesen, G. E.** **2020**. Using large benthic macrofauna to refine and improve ecological indicators of bottom trawling disturbance. *Ecological Indicators*, 110, 13 pp. 10.1016/j.ecolind.2019.105811.

Dinesen, G. E., Neuenfeldt, S., Kokkalis, A., Lehmann, A., Egekvist, J., Kristensen, K., Munk, P., Hüsey, K. & Støttrup, J. G. **2019**. Cod and climate: a systems approach for sustainable fisheries management of Atlantic cod (*Gadus morhua*) in coastal Danish waters. *Journal of Coastal Conservation*, 23, 943–958. Doi:10.1007/s11852-019-00711-0.

Dinesen, G. E., Wiene Rathje, I., Højrup, M., Bastardie, F., Larsen, F., Kirk Sørensen, T., Hoffmann, E. & Eigaard, O. R. **2018**. Individual transferable quotas, does one size fit all? Sustainability analysis of an alternative model for quota allocation in a small-scale coastal fishery. *Marine Policy*, 23-31.
Doi:10.1016/j.marpol.2017.10.038.

Dinesen, G. E. & Morton, B. **2014**. Review of the functional morphology, biology and perturbation impacts on the boreal, habitat-forming horse mussel *Modiolus modiolus* (Bivalvia: Mytilidae: Modiolinae). *Marine Biology Research* 10(9), 845-870. Doi:10.1080/17451000.2013.866250. (Invited review).