

Short CV – Michael St. John

Degrees

- PhD, University of British Columbia, Vancouver, Canada (1989).
- BSc, University of British Columbia, Vancouver, Canada (1984).

Positions

- Professor, DTU Aqua, Technical University of Denmark (2011-present).
- Professor and Vice Director, Institute for Hydrobiology and Fisheries Science, University of Hamburg (2001-2011).

Research area

Biological oceanography; Physical Biological Interactions; Bottom up food web processes; Ecosystem modeling deterministic and adaptive; vital rate determination; machine learning.

Distinctions and awards

- Invited speaker: Fostering International Collaboration: Developing consensus on the structure, review and management of collaborative research programs in Ocean Sciences. European Commission, Brussels, 29-30th Sept (2011).
- Invited Speaker: Atlantic Forum, Lisbon 28-29th Nov <http://www.euro-basin.eu> (2011).
- Invited Speaker: Trans-Atlantic SCOPING MEETING November Brussels (2012).
- Invited Speaker and Chair: The Atlantic a shared resource Galway Ireland 23-24 May (2013).
- Invited Speaker: Atlantic Ocean Research Alliance meeting in EU Parliament, 13 November (2013).
- Invited Speaker: North Atlantic-Arctic Planning Workshop. April 14-16, 2014 in Arlington, Virginia, USA (2014).
- Invited Speaker: US-EU Marine Working Group Meeting Embassy of France Washington D.C. October (2014).
- Invited Speaker: EurOCEAN 2014 Connecting Science, Policy and People. Rome October 7-9 (2014).
- Invited Speaker: The Atlantic our shared resource: Making the vision reality. April 16-17 (2015).

Membership of scientific committees, 2011-present

Associate Editor: *Frontiers in Marine Science* (2014-present).

Review, 2011-present

UK: NERC & DEFRA; Norwegian Science Council; US: National Science Foundation & NOAA; Germany: BMBF; EU SEAS ERA.

Peer reviewed publications: 81. **Books and book chapters:** 1. **Reports:** >75. **International conferences:** 15.

Advisory tasks, 2011-present

Advice to the EU NOAA NSERC NSF and DFO on the development of TransAtlantic Collaborations.

Educational tasks, 2011-present

Supervision of PhD students and Postdocs, see below.

Supervision, 2011-present

PhD students: 3 (Main Supervisor); 2 (Co-supervisor). **Postdocs:** 1 (Main Supervisor).

Grants, 2011-present

- EU 7th Framework Programme THEME [ENV.2010.2.2.1-1 ENV.2010.2.2.1-1 ENV]: European Union Basin-scale Analysis, Synthesis and Integration (EURO-BASIN).
- EU 6th Framework Programme [ENV.2007.2.2.1.4]: Dynamic of marine ecosystem in a changing environment (MEECE).
- 7th Framework Programme THEME [SPA.2011.1.5-03] R&D to enhance future GMES applications in the Marine and Atmosphere areas. Operational Ecology (OPEC): Ecosystem forecast products to enhance marine GMES application.

Five selected publications

Palacz A, St. John, M, Brevin RJW, Hirata T, Gregg WW. (2013): Distribution of phytoplankton functional types in high-nitrate low-chlorophyll waters in a new diagnostic ecological indicator model. *Biogeosciences Discussions*, 10, 8103-8157. (ISSN: 1810-6277) (DOI: <http://dx.doi.org/10.5194/bgd-10-8103-2013>).

St. John M, Barange M, Mitraki A, Benway H, Flynn KJ, Holt J, Merino G, Martin A, Melle W, Sanders R, Trenkel VM, Grigorov I, Hoffman E, ed. (2014). *North Atlantic Ecosystems, the role of climate and anthropogenic forcing on their structure and function*. *Progress in Oceanography*. 129(Part B), 171-324.

Lindemann C, St. John MA. (2014). A seasonal diary of phytoplankton in the North Atlantic. *Front. Mar. Sci.*, doi: 10.3389/fmars.2014.00037.

St. John MA, Borja A, Chust G, Heath M, Grigorov I, Mariani P, Martin AP, Santos RS. (2016). A Dark Hole in our Understanding of Marine Ecosystems and their Services: Perspectives from the mesopelagic community. *Front. Mar. Sci.*, 17 <http://dx.doi.org/10.3389/fmars.2016.00031>

Krekoukiotis D, Palacz AP, St. John MA. (2016). Assessing the Role of Environmental Factors on Baltic Cod Recruitment, a Complex Adaptive System Emergent Property. *Front. Mar Sci.* In Press.