

## Short CV – Martin Lindegren

### Degrees

- PhD, University of Copenhagen, Denmark (2010).
- MSc, Department of Biology, Lund University, Sweden (2004).

### Positions

- Senior Researcher, DTU Aqua, Technical University of Denmark (2014-present).
- Postdoc, Scripps Institution of Oceanography, University of California, USA (2012-2014).
- Postdoc, Centre for Evolutionary and Ecological Synthesis, University of Oslo, Norway (2011).
- Postdoc, DTU Aqua (2010).

### Research area

Marine and fisheries ecology focusing on the role of climate, fishing and species interactions on population, food-web and ecosystem dynamics, as well as trait-based approaches to understand global patterns of functional traits and biodiversity and the links to ecosystem functioning and services.

### Distinctions and awards

- VILLUM Fondens Young Investigator Grant (2016).
- Scripps Institute of Oceanography Postdoctoral Fellowship (2012).
- Ecological Society of America's Sustainability Science Award (2010).
- EU, Marie Curie Early Stage Training Fellowship (2007-2010).
- Linnaeus-Palme Scholarship for studies abroad (Argentina, 2003).

### Memberships of scientific committees, 2011-present

Chair of the ICES Working group WGIAB (2010-2013, 2015-present), Member of the following WGCOMEDA (2014-present), WGINOSE (2011), WKMARBIO (2011), WKIMM (2010). Invited expert at the Pacific Fisheries Management Council (2013).

### Review, 2011-present

- Associate Editor Fisheries Oceanography (since 2016).
- Referee for a large number of international journals including Nature, Ecology, Ecol Applic, Glob Change Biol, Proc R Soc B, MEPS; ICES J Mar Sys, CJFAS etc.

**Peer reviewed publications: 29. Books and book chapters: 3. Reports: 17. International conferences: 8.**

### Advisory tasks, 2011-present

As a chair of the WGIAB we have provided input to fish stock advice for Baltic Sea fish stocks by interacting with WGBFAS. I've also taken part in various review and advice drafting groups at ICES.

### Educational tasks, 2011-present

Contributor to various courses in marine and fisheries ecology at University of California, University of Hamburg, Lund University, University of Copenhagen, DTU Aqua.

### Supervision, 2011-present

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

### Grants, 2011-present

- VILLUM Fonden: Young Investigator Grant #13159 (2016-2020, PI).
- EU Horizon 2020: International Training Network "MARmeED" (2016-2020, PI).
- Centre for Ocean Life, Villum Kann Rasmussen Centre of Excellence (2014-2017, PI).

### Research collaboration with stakeholders, 2011-present

Various research projects regarding Ecosystem Based Marine Management (e.g., MARmeED) with stakeholder participation, including advisory bodies (ICES), NGOs (WWF) and industry (Danish Pelagic Producer Organization).

## Five selected publications

Lindegren M, Möllmann C, Nielsen A, Stenseth NC. (2009). Preventing the collapse of the Baltic cod stock through an ecosystem-based management approach. *Proceedings of the National Academy of Sciences of the United States of America*, 106, 14722-14727.

Lindegren M, Möllmann C, Nielsen A, Brander K, MacKenzie BR, Stenseth NC. (2010). Ecological forecasting under climate change: the case of Baltic cod. *Proceedings of the Royal Society B-Biological Sciences*, 277, 2121-2130.

Lindegren M, Östman Ö, Gårdmark A. (2012). Interacting bottom-up and top-down effects shape the population dynamics of herring. *Ecology*, 92, 1407-1413.

Lindegren M, Checkley Jr. DM, Rouyer T, MacCall AD, Stenseth NC. (2013). Climate, fishing, and fluctuations of sardine and anchovy in the California Current. *Proceedings of the National Academy of Sciences of the United States of America*, 110, 13672-13677.

Lindegren M, Checkley Jr. DM, Ohman MD, Koslow A, Goericke R. (2016). Resilience and Stability of a Pelagic Marine Ecosystem. *Proceedings of the Royal Society B-Biological Sciences*, 283, DOI: 10.1098/rspb.2015.1931.