

## Short CV – Karin Hüsey

### Degrees

- PhD, University of Copenhagen, Denmark (2002).
- MSc, Aarhus University, Denmark (1996).

### Positions

- Senior Researcher, DTU Aqua, Technical University of Denmark (2010-present).
- Research Scientist, DTU Aqua (2008-2010).
- Project Scientist, Danish Institute for Fisheries Research (DIFRES)/DTU Aqua (2005-2008).
- Research Associate, DIFRES (1996-2003).

### Research area

Fish population ecology, particularly growth dynamics, migration and recruitment patterns and their impact on stock structure and dynamics. Development and validation of age estimation methods in fish.

### Distinctions and awards

ICES Service Award (2013).

### Memberships of scientific committees, 2011-present

Working group for Baltic Fisheries Assessment (WKBFAS) and WKSIBCA (2014-2015) and ICES expert groups Workshop on Age Validation of Gadoids (WKAVGS) and Stock Identification Methods Working Group (SIMWG) (2010-present).

### Review, 2011-present

- Regular reviews for international journals including Marine Ecology Progress Series, Canadian Journal of Fisheries and Aquatic Sciences, Journal of Fish Biology, Marine Biology, Journal of Applied Ichthyology etc.
- Regular member of PhD evaluation committees

**Peer reviewed publications:** 34. **Reports:** 10. **International conferences:** 10.

### Advisory tasks, 2011-present

Advising a number of ICES working groups (WGBFAS, WKNSEA, WKPLE) on new biological knowledge of stock structure and age estimation issues and implementation thereof in assessment/management.

### Educational tasks, 2011-present

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

### Supervision, 2011-present

**Master students:** 3 (Main Supervisor).

### Grants, 2011-present

- BalticSea2020: Tagging Baltic Cod (TABACOD) (2015-2019, Coordinator).
- BONUS: Integrating Spatial Processes into Ecosystem Models for Sustainable Utilization of Fish Resources (INSPIRE) (2014-2019, Case Study Leader).
- Danish Ministry of Food, Agriculture and Fisheries and European Fisheries Fund: Eastern-western Baltic Cod – Improved Management based on Stock Discrimination of Eastern and Western Baltic Cod (Øst-vesttorsk) (2011-2012, Coordinator).
- Nordic Council of Ministers, AG Fisk: The mysterious Lumpfish (2012, Co-coordinator).

### Research collaboration with stakeholders, 2011-present

Various national research projects with stakeholder participation.

### Five selected publications

- Hüsey K, Gröger J, Heidemann F, Hinrichsen H-H, Marohn L. (2015). Slave to the rhythm: Seasonal signals in otolith microchemistry reveal age of eastern Baltic cod (*Gadus morhua*). ICES J. Mar. Sci. doi:10.1093/icesjms/fsv247
- Hüsey K, Hinrichsen H-H, Eero M, Mosegaard H, Hemmer-Hansen J, Lehmann A, Lundgaard LS. (2016). Spatio-temporal trends in stock mixing of eastern and western Baltic cod in the Arkona Basin and the implications for recruitment. ICES J. Mar. Sci. 73, 293-303.
- Hüsey K, Mosegaard H, Albertsen CM, Nielsen EE, Hemmer-Hansen J, Eero M. (2015). Evaluation of otolith shape as a tool for stock discrimination in marine fishes using Baltic Sea cod as a case study. Fish. Res. 174, 210–218.
- Hüsey K., Coad JO, Farrell ED, Clausen LW, Clarke MW. (2011). Age verification of boarfish (*Capros aper*) in the Northeast Atlantic Ocean. ICES J. Mar. Sci. 69, 34-40.
- Hüsey K. (2011). Review of western Baltic cod (*Gadus morhua*) recruitment dynamics. ICES J. Mar. Sci. 68, 1459-1471.