

## Short CV – Bastian Huwer

### Degrees

- PhD, Aarhus University, Denmark (2009).
- Diploma (~M.Sc.), GEOMAR Helmholtz Centre for Ocean Research, Germany (2004).

### Positions

- Researcher (technical), DTU Aqua, Technical University of Denmark (2013-present), Coordinator for interdisciplinary ecosystem surveys (2013-present).
- Postdoc, DTU Aqua (2010-2013).
- Research Assistant, DTU Aqua (2009-2010).
- PhD Student, Aarhus University/DTU Aqua (2006-2009).
- Project Scientist, GEOMAR Helmholtz Centre for Ocean Research, Germany (2004-2005).

### Research area

Significant experience in planning and conducting research surveys in the Baltic and the North Sea, including >35 research cruises since 2002, many of them as scientific cruise leader. Expertise comprises sampling of fish, zoo- and ichthyoplankton, jellyfish, benthos and marine litter as well as hydrographic measurements. Presently, coordinating DTU Aqua's interdisciplinary ecosystem surveys in the Baltic with several partner institutes in Germany and Poland, with particular focus on ichthyoplankton work (since 2009), being responsible for the Danish contribution to the ICES coordinated MIK Herring Larvae survey on the IBTS (since 2013) and contributing to the ICES coordinated mackerel egg surveys. Research interests are centered around these intensive field activities and include the ecology of fish early life stages and fish stock recruitment processes in relation to the biotic and abiotic environment, in particular with respect to spawning dynamics and growth, condition and survival of larval and juvenile fish. Further interests include the ecology of gelatinous zooplankton, invasive species and marine litter.

### Distinctions and awards

PhD grant from the European Network of Excellence for Ocean Ecosystem Analysis (EUR-OCEANS) (2006-2009).

### Memberships of scientific committees, 2011-present

- ICES WGALES, Working Group on Atlantic Fish Larvae and Eggs Surveys (Member)
- ICES IBTSWG, International Bottom Trawl Survey Working Group (Member)
- ICES WGBIFS, Baltic International Fish Survey Working Group (Member)
- ICES SGSIPS, Study Group on Standards in Ichthyoplankton Surveys (Member)
- ICES WKIDCLUP, Workshop on the identification of clupeoid larvae (Member)

### Review, 2011-present

Referee for various international journals, e.g. Biological Invasions, Journal of Plankton Research, Scientia Marina.

**Peer reviewed publications:** 21. **Reports:** 13. **International conferences:** 7.

### Advisory tasks, 2011-present

ICES HAWG (Herring Assessment Working Group for the Area South of 62° N), Contribution to determination and improvement of herring recruitment indices.

### Educational tasks, 2011-present

- 25311 Fisheries Oceanography (Contributor), DTU.
- Hands-on education of students in various sampling techniques on research cruises.

### Grants, 2011-present

- Danish Centre for Marine Research (DCH): Research cruise in the Baltic onboard RV DANA (2015, Cruise Leader).
- BONUS BIO-C3 project (2014-2017, Participant in WP).
- EU DG MARE tender Study on stomach content of fish to support the assessment of good environmental status of marine food webs and the prediction of MSY after stock restoration (2012-2014, Coordinator).
- Danish Centre for Marine Research (DCH): Research cruise in the Baltic onboard RV BALTICA (2011, Cruise Leader).
- Fehmernbelt Fish and Fisheries Science Provision Project (2009-2011, Participant in WP).

### Research collaboration with stakeholders, 2011-present

Participation in Fisher-Researcher cooperation.

## Five selected publications

Huwer B, Clemmesen C, Grønkjær P, Köster FW. (2011). Vertical distribution and growth performance of Baltic cod larvae - Field evidence for starvation-induced recruitment regulation during the larval stage? *Progress in Oceanography*, 91(4), 382-396. 10.1016/j.pocean.2011.04.001.

Huwer B, Hinrichsen H-H, Böttcher U, Voss R, Köster FW. (2014). Characteristics of juvenile survivors reveal spatio-temporal differences in early life stage survival of Baltic cod. *Marine Ecology Progress Series*, 511, 165-180. 10.3354/meps10875.

Huwer B, Hinrichsen H-H, Hüsey K, Eero M. (2016). Connectivity of larval cod in the transition area between North Sea and Baltic Sea and potential implications for fisheries management. *ICES Journal of Marine Science (Advance Access published March 29, 2016)*. 10.1093/icesjms/fsw043.

Schaber M\*, Haslob H\*, Huwer B\*, Harjes A, Hinrichsen H-H, Storr-Paulsen M, Schmidt JO, Voss R, Neumann V, Köster FW. (2011). Spatio-temporal overlap of the alien invasive ctenophore *Mnemiopsis leidyi* and ichthyoplankton in the Bornholm Basin (Baltic Sea). *Biological Invasions*, 13(12), 2647-2660. 10.1007/s10530-011-9936-7 (\* These authors contributed equally and share first authorship).

Eero M, Vinther M, Haslob H, Huwer B, Casini M, Storr-Paulsen M, Köster F. (2012). Spatial management of marine resources can enhance the recovery of predators and avoid local depletion of forage fish. *Conservation Letters*, 5, 486-492. 10.1111/j.1755-263X.2012.00266.x.