

Short CV – Kim Aarestrup

Degrees

- Exam. econ., Aarhus University, Denmark (2004).
- PhD, Aalborg University, Denmark (2001).
- MSc, Aarhus University, Denmark (1995).

Positions

- Senior Researcher, Danish Institute for Fisheries Research (DIFRES)/DTU Aqua, Technical University of Denmark (2006-present).
- Researcher, DIFRES (2001-2006).
- Research Assistant, DIFRES (1995-2001).

Research area

Describing and understanding migration of fishes, particularly diadromous species; Genetic and physiological status of fish and their effect on migration. Impact of obstacles (such as weirs, hydropower stations etc.) on fish migration; Development of telemetry as tools in ecological studies.

Memberships of scientific committees, 2011-present

Member of Ocean Tracking Networks International Scientific Advisory Group.

Review, 2011-present

- Review of manuscripts for various journals, e.g. Canadian Journal of Fisheries and Aquatic Sciences, Ecology of Freshwater Fish, Hydrobiologia, New Zealand Journal of Marine and Freshwater Research, Aquatic Living Resources, North American Journal of Fisheries Management, Journal of Fish Biology, Journal of Applied Ichthyology, Environmental Biology of Fishes, Nature Communications.
- Evaluation of research proposals under Research Council Canada

Peer reviewed publications: 98. **Books and book chapters:** 1. **Reports:** 2. **International conferences:** 4.

Advisory tasks, 2011-present

- General advisory work within the fields of: Establishment of fauna passages in rivers; Passage of migratory fish by fish farms; Mortality of salmonid smolts during passage of reservoirs; Telemetry use in animal research; Production of fish in rivers; Management of river fisheries.
- Member of the Nordic Group on Fish passage.

Supervision, 2011-present

PhD students: 3 (Main Supervisor); 2 (Co-Supervisor). **Master students:** 2 (Main Supervisor).

Grants, 2011-present

- EU FP7: European Eel in the Atlantic, assessment of their decline (EELIAD) (2008-2012, WP Leader).
- Swedish Research Council FORMAS: Sustainable smolt production - an integrated approach (SMOLTPRO) (2009-2014, member of coordinating committee); Salmon at sea (SAS) (2010-2014, member of coordinating committee).
- EU Intereg III: Living North Sea (LNS) (2009-2013, PI)
- Danish Rod and Net Fishing License Funds: Development of a sea trout population after weir removal (Ongoing; PI); Marine life and survival of sea trout (Ongoing; PI);
- EU Interreg 5A: Spisskompetanse inom marin och akvatisk ekologi och genomforskning for uthållig förvaltning av fisk och skaldjur i Skagerrak-Kattegat-Øresund (MarGen) (2016-2019).
- Knowledge Exchange for Efficient Passage of Fishes in the Southern Hemisphere (KEEPFISH) (MarGen) (2016-2018).
- Adaptive Management of Barriers in Europe (AMBER) (2016-2019, WP Leader).

Research collaboration with stakeholders, 2011-present

Various national consultation, coordination and expert groups with industry, NGO's and authorities; Various research projects with stakeholder participation; Member of the Nordic Group on fish passage.

Five selected publications

Amilhat E, Aarestrup K, Faliex E, Simon G, Westerberg H, Righton D. (2016). First evidence of European eels exiting the Mediterranean Sea during their spawning migration. *Scientific Reports*, 6 ,DOI: <http://dx.doi.org/10.1038/srep21817>.

Larsen MH, Johnsson JI, Näslund J, Thomassen ST, Aarestrup K. (2016). Reduced rearing density increases postrelease migration success of Atlantic salmon (*Salmo salar*) smolts. *Canadian Journal of Fisheries and Aquatic Sciences* 73, 804-810. DOI: <http://dx.doi.org/10.1139/cjfas-2014-0563>.

Hussey NE, Kessel ST, Aarestrup K, Cooke SJ, Cowley PD, Fisk AT, Harcourt RG, Holland KN, Iverson SJ, Kocik JF, Mills Flemming JE, Whoriskey, FG. (2015). Aquatic animal telemetry: A panoramic window into the underwater world. *Science* 348, 6240, 1-10 DOI: <http://dx.doi.org/10.1126/science.1255642>.

Aarestrup K, Baktoft H, Thorstad EB, Svendsen JC, Höjesjö J, Koed A. (2015). Survival and progression rates of anadromous brown trout kelts *Salmo trutta* during downstream migration in freshwater and at sea. *Marine Ecology Progress Series*, 185-195 DOI: <http://dx.doi.org/10.3354/meps11407>.

Aarestrup K, Baktoft H, Koed A, Del Villar D, Thorstad EB. (2014). Comparison of the riverine and early marine migration behaviour and survival of wild and hatchery-reared sea trout *Salmo trutta* smolts. *Marine Ecology Progress Series* 496, 197-206 DOI: <http://dx.doi.org/10.3354/meps10614>.