

## Short CV – Søren Berg

### Degrees

- MSc, Biological Institute, Aarhus University, Denmark (1987).

### Positions

- Senior Adviser, DTU Aqua, Technical University of Denmark (2014-present).
- Senior Research Scientist MSK, DTU Aqua (2010-2014).
- Senior Research Scientist, Danish Institute for Fisheries Research (DIFRES)/DTU Aqua, (1999-2010).
- Research Scientist, Dept. of Inland Fisheries, Danish Institute for Fisheries and Marine Research (DIFMAR)/Danish Institute for Fisheries Research (DIFRES) (1988-1999).
- Consulting Biologist, Hansen & Wegner I/S, Denmark (1987-1988).
- Research Assistant, Inland Fisheries Laboratory, Denmark (1987).

### Research area

Fisheries biology with special emphasis on effects of stocking fish (fate of the stocked fish, interactions with natural fish populations, environmental effects). Biological structure in lake ecosystems, focus on the role of the fish community, effects of biomanipulation and development of the fish community in new or recreated lakes. Predator-prey interactions in lake ecosystems. The zoogeography of freshwater fish in Denmark. Rare and threatened freshwater fish species (red data list). Alien and invasive freshwater fish and crayfish in Denmark. Effects of gill-net fishing in coastal waters with focus on catadromous species.

### Memberships of scientific committees, 2011-present

None (At the reserve list for the EU Commission's Scientific, Technical and Economic Committee for Fisheries 2016).

### Review, 2011-present

Journals and webmedia: Hydrobiologia; Journal of Fish Biology; Fisheries Management and Ecology; Ecology of Freshwater Fish; Limnologica; Marine Biology; International Review of Hydrobiology; Blackwell Scientific Publishers; Canadian Journal of Fisheries and Aquatic Science; European Network on Invasive Alien Species; Journal of Experimental Marine Biology and Ecology; Invasive Species Compendium; Central European Journal of Biology.

**Peer reviewed publications:** 43. **Books and book chapters:** 13. **Reports:** 44. **International conferences:** 15.

### Advisory tasks, 2011-present

- Numerous advisory tasks related to formulating the basis for and specific rules in the national fisheries legislation.
- Running advice on specific cases regarding applications for stocking fish, establishing fish passage at obstructions in streams, fish diversion at fish farms, hydro-electric facilities etc., use of special fishing gears, closed areas and seasons, size limits, rare and threatened fish species, invasive fishes and crayfish etc. Advice to national and regional authorities, NGOs and private citizens re. management of fish populations, stocking fish, lake restoration incl. biomanipulation.

### Educational tasks, 2011-present

- DTU courses: 25318 Aquatic Ecosystem Management (Contributor); 25320 Recreational Fishing (Contributor); KU028 Applied Marine and Freshwater Ecology (Contributor).
- Danish and Greenland Fisheries Inspection: Organizer of and teacher on courses for trainees and training of experienced inspection officers on freshwater and fish ecology, biology and fisheries.

### Grants, 2011-present

- Danish Rod and Net Fishing License Funds: Several projects (2011-16; Leader of/Participant in the projects).
- 15th June Foundation: Vidensbank for søer (On-line Library for Lake ecology/biology).
- Herning Kommune (Municipality): Status for the fish population in the artificial Lake Fuglsang.

### Research collaboration with stakeholders, 2011-present

Citizen Sciens Project in collaboration with commercial and recreational fisheries organisations around the Nissum Fjord Lagoon. Collaboration with local anglers clubs on river and lake restoration. Collaboration on general research issues with the Danish Anglers Association (DSF).

## Five selected publications

Berg S, Jeppesen E, Søndergaard M. (1997). Pike (*Esox lucius* L.) stocking as a biomanipulation tool 1. Effects on the fish population in lake Lyng, Denmark. *Hydrobiologia* 342/343, 311-318.

Carl H, Berg S, Møller PR, Rasmussen G, Nielsen JG. (2010). Ferskvandsfisk [Freshwater Fish]. Wind P, editor. In: Den Danske Rødliste [The Danish Red Data List]. B-FDC, University of Aarhus.  
Web-publication: [http://www.dmu.dk/Dyr\\_planter/redlistFrame/](http://www.dmu.dk/Dyr_planter/redlistFrame/).

Berg S. 2012. Pike (pp 350-367), Vendace (pp 385-396), Whitefish (pp 397-412), Perch (pp 569-584), Pikeperch (pp 585-599), Fresh waters of Denmark (pp 37-48, with Rasmussen G). Carl H & Møller PR, editors. In: Atlas over Danske Ferskvandsfisk [Atlas of Danish Freshwater Fish]. Natural History Museum of Denmark, 700 pp.

Berg S, Skov C. (2013). Chapter 17, Søernes fisk [Lake fish]. Sand-Jensen K. editor. In: Naturen i Danmark 5 – De Ferske Vande [The Nature in Denmark 5, The Fresh Waters]. Gyldendal. pp 339-363.

Dörner H, Berg S. (2016). Chapter 9, Feeding Ecology. Arai T. editor. In: Biology and Ecology of Anguillid Eels. CRC Press. pp 171-191.