

Henrik H. Jessen

Aquatic ecologist and ecosystem modelling enthusiast

Spobjergvej 219 · 8220 Brabrand · Denmark

☎ +45 28 89 69 71 · ✉ hhjessen@outlook.com · 🌐 [Website](#)

Resumé

Aquatic ecologist, with a passion for research, that wants to contribute new knowledge which will aid management of our ecosystems and natural resources. My main interest during my studies were the aquatic ecosystems, trophic ecology, ecosystem modelling, as well as fisheries biology and management.

I am adept at structuring my workload to ensure that deadlines are met, and able to think on my feet and improvise when complications arise, as demonstrated by the field work I did in Africa.

Competences

- Data collection and Management
- Aquatic ecosystem ecology
- Scientific writing
- Ecosystem modelling
- Statistical analysis
- Tech savvy
- Interdisciplinary experience
- Experimental design
- Easy learner

Educational background

Feb 2016



MSc in Biology at Aarhus University

Nov 2017

AARHUS UNIVERSITET

*Specialized in trophic ecology, aquatic ecosystems, and the management of these
Including 3 months of multidisciplinary field work in westerns Tanzania, helping secure
sustainable fishing in Lake Tanganyika*

Communication with stakeholders and managers

Supplementary courses on ecosystem management and modelling

Aug 2012



BSc in Biology at Aarhus University

Jan 2016

AARHUS UNIVERSITET

Including courses on multivariate analysis and GIS

Biological project design, theory and evaluation

Projects

[‘Dietary differences among commercially important fishes in Lake Tanganyika assessed using stable isotope analysis.’ \(Click for full text\)](#)

Master’s thesis aimed at estimating the pelagic food web of Lake Tanganyika for use in further ecological modelling to aid decision-making for sustainable fisheries in the lake. Based on stable isotope analysis and stomach analysis. (Currently being rewritten with intent to publish as a scientific article, final round of internal reviews)

[‘Seasonal variation in growth of pelagic fish species of Lake Tanganyika.’](#)

Testing the difference in growth of three pelagic fish species in Lake Tanganyika between the wet and dry season. Based on otolithometry. (Co-author, currently being written)

[‘Latitudinal differences in the Diet of Northern Sand Lance, *Ammodytes dubius*.’ \(Click for full text\)](#)

Project work using stomach analysis to estimate the relative importance of various food items between two populations of Northern Sand Lance. Based on stomach analysis.

Courses



Ecopath w/ Ecosim

Week-long (30 hours) course in modelling with the EwE software with Villy Christensen, who is a developer of the software. Included theoretical background, practical exercises, and construction of two conceptual models for Lake Tanganyika and Lake Volta.

Work experience

2018
Jul-Nov



Nature guide at The Wadden Sea Centre (27 hours/week)
Leading guided tours and conducting teaching at a wide variety of levels, as well as development of teaching material and odd tasks

2016
Jan-Jul



Communicator for The Danish Vegetarian Association (Part time)
Preparing and hosting workshops on the connection between climate and consumption for classes in their 6th to 9th year of school


Language skills



Danish	Fluent in both verbal and written Danish
English	Fluent in both verbal and written English
Scandinavian	Able to communicate effortlessly with Norwegians and Swedes
German	Conversational in both verbal and written German

IT skills



R  Routine user, well versed in the syntax, function building, package creation and able to efficiently learn how to utilize new packages and methods.



GIS  Familiar with QGIS and ArcGIS software, as well as GIS principles.



Microsoft Office  Very practiced in Word, Excel and Powerpoint.

Additional experience

2015 - **Chairman for the board game association at my dormitory**
2018
Planning and hosting events
Promoting said events
Responsible for calling meetings, assemblies etc.
Applying for funding

2015 - **Volunteer at UNF Aarhus, hosting science lectures at high school level**
2017
Planning and hosting lectures with external experts
Delivering lectures on natural sciences at a high school level
Guiding high school students in selecting subjects for larger projects

Personal profile

I am a 26 year old male, currently residing in Aarhus along with my wife, although I am willing to move for work, and have a driver's license if necessary. I spend my free time doing strength training, learning the piano, playing board games (both modern and classical) with my friends, nature-photography, as well as skiing and sailing when the seasons permit.

References

Torben L. Lauridsen - Senior Scientist, AU
Supervisor during my thesis work
tll@bios.au.dk
+45 25 15 15 27

Peter Grønkjær - Associate Professor, AU
Supervisor during my thesis work
peter.groenkjaer@bios.au.dk
+45 23 38 21 77