

# Henrik H. Jessen

Aquatic ecologist and ecosystem modelling enthusiast

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## 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
- Statistical analysis
- Scientific writing
- Aquatic ecosystem ecology
- Interdisciplinary experience
- Easy learner
- Ecosystem modelling
- Experimental design
- Tech savvy







## Educational background

- 2016 -  MSc in Biology at Aarhus University  
2017  - *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*
- 2012 -  BSc in Biology at Aarhus University  
2016  - *Including courses on multivariate analysis and GIS*  
- *Biological project design, theory and evaluation*

## Work experience

- 2018  Nature guide at The Wadden Sea Centre  
*Leading guided tours and conducting teaching at a wide variety of levels*
- 2016  Communicator for The Danish Vegetarian Association  
*Hosting workshops on the connection between climate and consumption for classes in their 6th to 9th year of school*

## IT skills

-  Microsoft Office  Very practiced in Word, Excel and Powerpoint, including pivot tables and statistics in Excel.
-  R  Routine user, well versed in the syntax, function building, package creation and able to efficiently learn how to utilize new packages and methods.
-  QGIS  Familiar with QGIS and ArcGIS software, as well as underlying principles.

## 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.*

## 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            |

## Courses .....



Ecopath w/ Ecosim  
Course in modelling with the EwE software with Villy Christensen, who is a developer of the software, including practical exercises.

## Additional experience .....

|                |  |                |   |
|----------------|--|----------------|---|
| 2015 -<br>2018 | Chairman for the board game association at my dormitory<br>- Planning and hosting events<br>- Promoting said events<br>- Responsible for calling meetings, assemblies etc. | 2015 -<br>2017 | Volunteer at UNF Aarhus, hosting science lectures at high school level<br>- Planning and hosting lectures with external experts<br>- Delivering lectures on natural sciences at a high school level<br>- Guiding high school students in selecting subjects for larger projects |
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## 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 .....

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