

LOTTE POHL

Master thesis student, Marine Biological Resources M.Sc. (IMBRSea)

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lottepohl.github.io



EDUCATION

Marine Biological Resources M.Sc.

Ghent University, Erasmus Mundus Degree

📅 Sep/2021 - Sep/2023

📍 Ghent, Belgium

- Minor: Marine Spatial Planning, Universidad de Oviedo
- Major: Analysis and Forecast of Marine Systems, Sorbonne Université
- Scientific Expedition, Indian Ocean (2 weeks, October 2022)
- **Master Thesis:** *The starry smooth-hound shark meets Acoustic Data Storage Tags: Analysis and visualisation of Mustelus asterias movement data for non-scientists*, Flemish Marine Institute (VLIZ), Belgium

Biomimetics B.Sc.

Bremen City University of Applied Sciences

📅 Sep/2017 - Sep/2021

📍 Bremen, Germany

- Training in biology, scientific writing, materials science, computer science, fluid mechanics, CAD and 3D printing
- **Bachelor Thesis:** *Towards the development of a flexible, shark skin inspired foil to reduce friction drag in ships*, Fraunhofer Centre for Maritime Logistics (CML), Germany

PRACTICAL EXPERIENCE

Data Science Intern

Flanders Marine Institute (VLIZ)

📅 Apr/2022 - Jun/2022

📍 Ostend, Belgium

Development and maintenance of the R package for marineregions (online register for georeferenced marine place names).

Skills: R, github, GIS.

Research Student

Fraunhofer CML, Maritime Technologies and Biomimetics Work Group

📅 Jul/2020 - Dec/2021

📍 Hamburg, Germany

Literature research and biomimetic concept development in the BIOIN-SPACED (biomimetic approaches to space debris removal) project.

Skills: 3D printing, scientific & team work.

Computer Aided Design (CAD) Intern

sentientplus AB

📅 Sep/2019 - Dec/2019

📍 Gothenburg, Sweden

Hardware development for electrical power-assisted steering in trucks.

Skills: CAD, 3D printing.

Lab Assistant

Bremen City University of Applied Sciences

📅 Sep/2018 - Jul/2019

📍 Bremen, Germany

Support of 1st year students of the Biomimetics B.Sc. study course in the zoology & botany lab course.

Skills: Teaching, communication.

I am currently writing my master thesis at **VLIZ** about analysing telemetry data from a small shark and visualising it in an understandable way for non-experts.

I get excited by neat maps, smooth data analysis and writing workflows (will Quarto be my next favourite?), and international collaboration to solve complex issues.

SKILLS

R, Rmd, LaTeX, git(hub)



MS Office, Affinity Designer



python, C/C++, QGIS, CAD



HTML, CSS



LANGUAGES

German



English



Swedish



French



Spanish



CERTIFICATES

PADI Open Water Diver

FELASA C (Laboratory Animal Science)

Driving Licence

SCHOLARSHIPS

German Scholarship Foundation

📅 Mar/2019 - present

Monthly financial and comprehensive non-material funding.

VOLUNTEERING

Alfred-Wegener-Institute (AWI) for Polar and Marine Research

📅 Sep/2016 - Aug/2017 📍 Bremerhaven, Germany

Centre for Aquaculture Research: Daily monitoring of livestock. Insight into scientific work. Scientific expeditions, North & Baltic Sea (3 weeks).

Large Marine Vertebrates Research Institute (LAMAVE)

📅 Jan/2020 - Mar/2020 📍 Donsol, Philippines

Data collection for photo identification of whale sharks (via freediving), citizen science and community work.