LOTTE POHL

Science Officer at (VLIZ), M.Sc. Marine Biological Resources (IMBRSea)

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PRACTICAL EXPERIENCE

Science Officer
Flanders Marine Institue (VLIZ)

📅 Sep/2023 - present 📍 Ostend, Belgium

Investigation of the influence of Electromagnetic Field Emissions of Offshore Wind Farm power cables on endangered fish.
Skills: Data analysis, Acoustic telemetry.

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.

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

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Currently working as a Science Officer in the Marine Observation Centre (MOC) at VLIZ, I get excited about animal telemetry and biologging, neat maps (leaflet), smooth data analysis (R) and writing workflows (Quarto), 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 - Sep/2023

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 lifestock. 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.