



# DR. MARTA WENTA

## ATMOSPHERIC SCIENTIST

### PROFILE

I'm an atmospheric scientist with a deep background in polar meteorology, air-sea interactions, and large-scale dynamics. Beyond academia, I also have substantial experience in the private sector and project management. I played a pivotal role in the development of the SeaData startup, where I could apply my knowledge into development of tools used currently by polish ports.



For more about my me:  
visit my webpage.

### CONTACT

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### EDUCATION

2016 - 2021

UNIVERSITY OF GDAŃSK

- PhD in Earth Science (Atmospheric Science)

2013-2015

UNIVERSITY OF GDAŃSK

- MS in Oceanography

2010-2013

UNIVERSITY OF GDAŃSK

- BS in oceanography

### SKILLS

- **Programming:** Python, MatLab
- **Numerical Modelling:** experience in working with WRF model, CESM, AROME
- **Computer Skills:** HPC, Linux/Ubuntu, Microsoft Office, Lagranto, Latex
- **Other:** Geospatial analysis ArcGis, QGIS; Licensed UAV operator (BVLOS, VLOS)

### LANGUAGES

- Polish (mother tongue)
- English (proficient)
- German (basic)

### WORK EXPERIENCE

#### Karlsruhe Institute of Technology

2021 - PRESENT

Postdoctoral Researcher

Postdoctoral researcher employed in the GULFimpact project, focusing on the "The role of coherent air streams in shaping the Gulf stream's impact on the large-scale extratropical circulation".

#### SeaData Gdynia

2017-2024

Product Manager&Data Scientist

- Responsibilities:
  - **Product Manager** for YetiSense/CORAL system.
  - **Lead Designer of a risk assessment tool:** Prediction of dusting risks from bulk cargo operations and assessment of potential threats due to air pollution.
  - **Co-Designer of CORAL system:** Developed an environmental monitoring system tailored for industrial enterprises.
- Additional activities:
  - **Project Manager** of CORAL consortium, international project of SeaData, BGEO (Spain) and WaterRobotics(France) funded by GALATEA (HORIZON2020)
  - **Author and co-author** of several successful funding proposals: Space3ac acceleration program, GALATEA, LifeScience(GPNT,Poland).

#### University of Colorado

2019 and 2021

Researcher (internship)

Fellowship focusing on the study of the atmospheric boundary layer over TerraNova Bay Polynya and air mass transformations due to katabatic wind events based on UAV observations. Results published in Wenta and Cassano(2020).

#### White Rabbit Gdynia

2015-2016

Manager

- Responsible for customer service and studio management.

### REFERENCE

Agnieszka Herman: OCEAGAH@GMAIL.COM

Christian Grams: CHRISTIAN.GRAMS@METEOSWISS.CH

Rafał Wolak: RWOLAK@SEADATA.PL