



MATIAS DE OTO

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EDUCATION

PhD in Atmospheric and Ocean Sciences | *Ocean Modelling*

University of Buenos Aires

2020 – ongoing

Buenos Aires, Argentina

Degree in Oceanography | *Regional Circulation*

University of Buenos Aires

2010 – 2019

Buenos Aires, Argentina

PROFESSIONAL EXPERIENCE

Assistant Researcher

National Meteorological Service

2021 – ong.

Buenos Aires, Argentina

- Staff of the Environmental Modeling and Remote Sensing Products Department (DMSR)
- Workgroup in a team of +15 employees

Assistant Teacher

University of Buenos Aires

2015 – 2017

Buenos Aires, Argentina

Internship

Aires Renewables

2015

Buenos Aires, Argentina

- Remote monitoring of the wind profile on wind towers
- Workgroup in a team of +3 employees

RESEARCH AND PROJECTS

PronoMAR | *Research Assistant*

Ocean Modelling and Verification Processes - <https://www.cima.fcen.uba.ar/pm/>

2022 – ong.

National Meteorological Service

Summer Antarctic Campaign in Carlini Base | *Research Assistant*

Oceanographic measurements and scientific tasks developed by the Argentine Antarctic Institute (IAA)

2020

University of Buenos Aires

CONFERENCES AND PRESENTATIONS

1st Pampa Azul Congress

Pre-Operational Implementation of the Storm Surge Simulation Model at the National Meteorological Service HPC

Nov. 2023

Centro Argentino de Meteorólogos

Evaluation of numerical models of the Argentinean sea from satellite wind and wave data in near real time

Nov. 2022

XVII COLACMAR

Study of Interannual Surface Wind Patterns Over the Northern Continental Shelf of Argentina

Nov. 2019

GRANTS

National Scientific and Technical Research Council (CONICET)

Recognition for to 100% of students in PhD in Atmospheric and Ocean Sciences

2019-2021

Scholarship Program in Oceanography by Pampa Azul

Grant for students who have made significant progress in oceanography courses

2015-2017

COMMUNITY INVOLVEMENT

Environmental Diffusion

Free disclosure of mountain meteorology and recreational navigation

2022 – ong.

[greenguru.bariloche](https://www.instagram.com/greenguru.bariloche) Instagram page

Cultural Center for Science (C3)

Science education programs

2017 – 2019

Buenos Aires, Argentina

SKILLS

Languages: Spanish (Native), English (B1)

Programming: Python (Xarray, Dask, NumPy, SciPy, Matplotlib, Pandas), Git, Bash

Platforms: AWS, EarthData, Copernicus

Document Creation: Microsoft Office Suite, LaTeX, Markdown