

Mathurin Choblet
















Physicist

-  February 24, 1997
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-  +49 176 457 628 06
-  <https://mchoblet.github.io/>
-  mathurin@choblet.com
-  German, French

About Me

I'm a trained physicist currently working on biogeochemical ocean modelling. I have a wide range of scientific interests, ranging from climate science, numerical modelling to data science and efficiently applying mathematical methods with computers. I am a person keen on learning, solving problems efficiently, working in teams and broadening my world view.

Programming Skills

-  Python (Advanced)
Frequently used packages:
 Numpy,  Xarray,  Matplotlib,  Scipy,  Dask
-  Basic knowledge of
 Fortran,  UNIX,  CDO,  git,  MySQL,  C++,  Matlab,  HTML

Public Code

-  github.com/mchoblet

Languages

- German ● ● ● ● ●
- French ● ● ● ● ●
- English ● ● ● ● ●
- Spanish ● ● ● ● ●
- Polish ● ● ● ● ●
- Portuguese ● ● ● ● ●

Education

Studies

- 2023 – 2027 **PhD in Oceanography** University of Liège and Helmholtz-Zentrum Hereon
Physical-biogeochemical modelling in the Black Sea.
Advisors: Marilaure Grégoire and Joanna Staneva
- 2020 – 2022 **Master of Science in Physics** Heidelberg University
Thesis about Paleoclimate Data Assimilation.
Advisors: Kira Rehfeld, André Butz.
- 2019 – 2020 **Erasmus** University of Santiago de Compostela
Environmental and computational physics courses (in Spanish)
- 2015 – 2019 **Bachelor of Science in Physics** Heidelberg University
Additional courses in Computer Science, Chemistry and Spanish.
- MOOCs Computational Science and Engineering I (MIT 18.085)
Machine Learning in Weather and Climate (ECMWF)

Work Experience

At University

- 2023 **Student research assistant** Tübingen University
Project on reconstruction of South American Hydroclimate during the last millennium
- 2021 – 2022 **Administrator for a Climate Change webgame** Tübingen University
Maintenance of Keep Cool, a game illustrating economic impacts of climate change and the importance of international cooperation.
- 2017 – 2019 **Evaluation organizer** Heidelberg University
Organization of the biyearly teaching evaluation at my faculty.
- 2018 – 2019 **Teaching assistant at Physics faculty** Heidelberg University
Physics lab for pharmacy students, buddy program for freshmen and student help desk.

Outside of University

- 2022 **Tour guide in Heidelberg** independent
I organised and developed a tour about the history and the student life of the city in Spanish language. I offered the tour twice a week.

Academic Self Government

- 2018 – 2022 Member of four appointment committees for new professorships.
- 2021 Elected representative for study program accreditation.
- 2016 – 2019 Student representative in the faculty and study committee.

Volunteering

- 2023 – **Member of Pot'Ingé**
Community vegetable garden in Liège
- 2016 – 2022 **Representative in the student council**
Participated in the organisation of events, representation in faculty committees and the improvement of teaching.
- 2020 – 2022 **International buddy**
Contact person for new international students.
- 2019 – 2022 **Poll worker**
Helped at local, nationwide and European elections.
- 2019 – 2020 **Soup kitchen volunteer**
at the Cocina económica de Santiago de Compostela.
- 2014 – 2015 **Refugee aid**
Regular activities with young people from Syria, Somalia and Eritrea who arrived at my home town.

Hobbies

Cinema, literature, hiking, travelling and learning languages.