

M. Onaïa Savary

Ph.D student in climatology

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🌐 LinkedIn Profile



EDUCATIONAL BACKGROUND

- **PhD - Climatology**

- **Centre Nationale de Recherche en Météorologie (CNRM/Météo-France)**

- This PhD aims to study the link between large-scale atmospheric circulation and precipitation deficits (droughts) in Europe. The influence of climate change on this relationship is also studied. Full title : Drought predictability in a changing climate

- October 2024 – Today*

- **Master 2 - Fluid mechanics**

- **Ecole Polytechnique & Sorbonne University**

- Obtained a Master's degree in fluid mechanics. Courses followed : Hydrodynamic instabilities, Advanced experimental methods, Numerical methods for fluid mechanics, Geophysical and astrophysical fluid dynamics, Multi-scale hydrodynamic phenomena, Turbulence dynamics, Aerodynamics, Interfaces

- September 2023 – July 2024*

- **Master 2 - Civil Engineering, Post-baccalaureat teacher training**

- **Ecole Normale Supérieure – Paris Saclay**

- Obtained a Master's degree majored in civil engineering while preparing for the Agrégation (competitive French exam). Continuation of high level scientific courses in the field of civil engineering, numerical analysis, material sciences and fluid mechanics. Areas of study: Numerical analysis, Fluid mechanics, Material science, Physics of heat transfer in materials, Fundamental Acoustics.

- Ranked second in France in the competitive examination for the agrégation of engineering sciences, construction engineering section.

- September 2021 – July 2023*

- **Classe Préparatoire aux grandes écoles**

- **Lycée Déodat de Séverac, Toulouse**

- Competitive national entrance exam to the grandes ecoles. Obtained a bachelor's degree in engineering sciences

- September 2017 – July 2020*

WORK EXPERIENCE

- **Master 2 internship with a duration of 6 months**

- Performed at Centre Nationale de Recherche en Météorologie (CNRM/MétéoFrance) under the direction of Constantin Ardilouze and Hervé Douville. Subject : Droughts predictability in Europe.

- February 2024 - August 2024*

- **Master 1 internship with a duration of 3 months**

- Performed at École Polytechnique Fédérale de Lausanne under the direction of Cécile Oliver-Leblond and Katrin Bayer. Subject : Design and preparation of a new experimental test setup for direct shear test of stone-mortar interface.

- March 2022 - June 2022*

PROJECT EXPERIENCE

- **Première Expérience Immersive de Recherche (first immersive research experiment)**

- 6 months research work under the collaboration of Fabrice Gatuingt and Guillaume Hervé Secourgeon. Topic: Development of a structural damping model - Application to a BA model under impact.

- 2021-2022*

ASSOCIATIVE

- **Organization of blood collections**

Organization of blood collections at the Ecole Normale Supérieure Paris Saclay, in collaboration with the Etablissement Français du Sang. Capacity of each blood collection: 100 donors.

2021-2023

- **Vice President of the Student Office**

Participation in the decision making and organization of the student life on the campus of the Ecole Normale Supérieure Paris Saclay. Maintaining relationships with cultural collaborators such as the Louvre museum or the Cité des sciences in Paris. Organization and supervision of student teams and communication of the highlights of the association's life to an audience of 1200 students.

2021-2022

LANGUAGE SKILLS

- **English** Full professional capacity

International English Language Testing System : 7/10

Owner of a Scientific Writing Assignment Program

- **Spanish** Beginner intermediate

SOFTWARES



Matlab



Robot



Excel



Python V.3



SolidWorks

L^AT_EX

LaTeX



Revit



Word



Audacity



Autocad



Powerpoint



Arduino