



Caroline COMBY

Ph.D. Student
Physical Oceanography

Aix-Marseille University
OSU Pythéas
Marseille, FRANCE

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20 / 07 / 1996

LANGUAGES

 Native language

 Certification B2

 Level A2

SKILLS

Programming

MatLab R

Python FORTRAN

Office

LaTeX HTML PackOffice

OTHERS

Sports: Tennis
Diving
(level 1, FFESSM)

Music: Piano

Stay: Martinique
(2008 - 2012)

PROFESSIONAL EXPERIENCES

- M2 Internship Mediterranean Institute of Oceanography**
| 2020 (January – July, 28 weeks) | Aix-Marseille University
Analysis of oceanic vertical velocities measured in situ and their implication in submesoscale dynamic, using data from the FUMSECK cruise.
- M1 Internship Mediterranean Institute of Oceanography**
| 2019 (May – July, 8 weeks) | Aix-Marseille University
Analysis of vertical velocities from Sentinel V ADCP and CTD coupling data for FUMSECK campaign (2019).
- L3 Internship Mediterranean Institute of Oceanography**
| 2018 (July, 3 weeks) | Aix-Marseille University
Implementation of a numerical model (MatLab) for the simulation of biodegradable microparticles sinking in the Mediterranean Sea.
- L3 Internship Mediterranean Institute of Oceanography**
| 2018 (February – April, 60 hours) | Aix-Marseille University
Dissolved Barium analysis from the surface to the inferior limit of mesopelagic zone in Mediterranean Sea, using an inductive coupled plasma - mass spectrometry (ICP-MS).
- DUT2 Internship Biocapteurs-Analyses-Environnement Laboratory**
| 2017 (April – June, 10 weeks) | University of Perpignan – Via Domitia
Implementation of a genosensor for detection of Vibrio bacteria, oyster's pathogen.
- DUT1 Internship Design office SEANEO**
| 2016 (June – August, 10 weeks) | Montpellier
Standardized scientific fishing cruises, mission reports, data processing and cartographic layout.

FORMATION

- Ph.D. degree in Physical Oceanography** | since 2020
*Advisor: S. Barrillon – co-Advisor: A. A. Petrenko
Aix-Marseille University, Marseille, FRANCE*
- Master's degree in Marine Sciences** | 2018-2020
Major OPB | M2 with High Honours | M1 with Honours
*Physical and Biogeochemical Oceanography speciality (OPB)
Aix-Marseille University, Marseille, FRANCE*
- Bachelor's degree in Life and Earth Sciences** | 2017-2018
with Honours
*Physical and Biogeochemical Oceanography speciality
Aix-Marseille University, Marseille, FRANCE*
- Technical University Degree in Biological Engineering** | 2015-2017
*Environmental engineering speciality
University of Perpignan-Via Domitia, Perpignan, FRANCE*
- Preparatory class for engineering schools** | 2014-2015
*First year in Biology-Chemistry-Physics-and-Earth Sciences (BCPST)
Thiers High School, Marseille, FRANCE*
- French secondary school diploma in Sciences** | 2014
with Honours
Speciality in physics and chemistry – Paul Sabatier High School, Carcassonne, FRANCE