



CURRICULUM
VITAE
FRANCESCO M.
BENFENATI



Personal information

Name / Surname	BENFENATI FRANCESCO MARIA
Address	Minerbio (BO), Italy
Email	francesco.benfenati5@unibo.it
Nationality	Italian
Birth	5 th of August 1997, Modena (MO), Italy

Education and training

now	PhD student of the 38 th cycle: <i>Future Earth, Climate Change and Societal Challenges</i> .
February 2023	Achievement of the Basic Instruction Package for Meteorologists, as defined by the World Meteorological Organization (WMO).
October 2022	Master's Degree <i>cum Laude</i> in <i>Physics of the Earth System</i> , University of Bologna, with thesis in Physical Oceanography <i>Submesoscale Features in Regions with Different Baroclinic Deformation Radius</i> .
March 2020	Bachelor's Degree in Physics at University of Bologna with thesis in Physical Oceanography <i>Statistical Analysis of Oceanographic Extreme Events</i> .

July 2016	Scientific High School Diploma at <i>Liceo Scientifico Statale N. Copernico</i> in Bologna.												
Research experiences and Projects													
Apr 2022 - now	Free access project: a repository on GitHub (click here) for computing the baroclinic Rossby deformation radius in an ocean region of interest.												
Mar - Sept 2022	As <i>Physics of the Earth System</i> student, master thesis about ocean submesoscale dynamics in the Northern Atlantic ocean.												
Jul 2019 - Mar 2020	As <i>Physics</i> student, bachelor thesis about Significant Wave Height extreme events in the Mediterranean sea.												
Languages proficiency													
Languages March 2016	Italian (mothertongue), English (B2). <i>First Certificate in English</i> (FCE), level B2, at Cambridge English Language Assessment. <table border="0" style="margin-left: 20px;"> <tr><td>Reading</td><td>B2</td></tr> <tr><td>Listening</td><td>B2</td></tr> <tr><td>Speaking</td><td>B2</td></tr> <tr><td>Use of English</td><td>C1</td></tr> <tr><td>Writing:</td><td>B2</td></tr> <tr><td>Total Score</td><td>176/190</td></tr> </table>	Reading	B2	Listening	B2	Speaking	B2	Use of English	C1	Writing:	B2	Total Score	176/190
Reading	B2												
Listening	B2												
Speaking	B2												
Use of English	C1												
Writing:	B2												
Total Score	176/190												
May 2011	<i>Key English Test</i> (KET), level A2, at Cambridge English Language Assessment.												
Computer skills													
Programming	Solid knowledge of Python, MATLAB and \LaTeX . Basic knowledge of C++. OpenOffice and Microsoft Office packages.												
Other	Usage of HPC cluster, DIFA, UniBo. Basic knowledge of NEMO ocean model. Good Knowledge of NEMO-based SURF platform. Moderate knowledge of numerical methods for ODEs, PDEs.												

Personal skills

Interpersonal relationships

Due to my training as a Scout chief in AGESCI association, during the last years: **Team working, leadership, decision-making and planning skills.** Attention to issues such as coeducation and gender equality in co-leadership.

Additional information

Music

Good knowledge of doublebass/electric bass playing, due to the six years attendance of Music Conservatory in Bologna.

Volunteering activities

Volunteering activities at *Istituto Penale Minorile* and *Comunità per minori non accompagnati del Villaggio del Fanciullo*, in Bologna. At present, Scout Chief in AGESCI association.

Driving license

Driving License B (for cars).

Hobbies

Running, Trekking, Nature. Vegetable garden. Basic sailing.

Marital status

Married.