Vincenzo Senigalliesi

Work Experience

Period	**March 2023 —**
Degree	**PhD student of the 38th cycle: Future Earth, Climate Change and Societal Challenges**
University	**University of Bologna** -Bologna, ITA

Topic: Earth system numerical modelling in the High Performance Computing era, new frontiers of development for climate change studies
Supervisor: Andrea Alessandri (CNR-ISAC)

Period	**July 2022 — November 2022**
Employer	**University of Bologna** -Bologna, ITA
Job Title	**Currucular training**

Development of Python algorithms for reading NetCDF data and calculating damage functions in the field of hydraulic risk

Period	**June 2020 — June 2020**
Employer	**University of Salerno** -Salerno, ITA
Job Title	**Currucular training**

Study of AC magnetic susceptibility measurement technique

Education

Period	**2020 — 2022**
Degree	**Master in Physics of Earth System (LM-17)**
University	**University of Bologna** -Bologna, ITA
Final grade	**110L / 110**

Thesis title: Validation of an intermediate-complexity flood risk model for climate change adaptation
Topic: Physics of the earth system
Thesis supervisor: Silvana Di Sabatino
Thesis co-supervisor: Paolo Ruggieri
Link: https://amslaurea.unibo.it/27641/

Period	**2016 — 2020**
Degree	**Bachelor in physical sciences and technology (L-30)**
University	**University of Salerno** -Salerno, ITA

Thesis title: Thermodynamic properties of a fermion gas in n dimensions
Topic: Institutions of matter physics
Thesis supervisor: Canio Noce

PERIOD	**2010 — 2017**
DEGREE	**Master in Musicology and musical heritage (LM-45)**
UNIVERSITY	**Conservatorio G. Martucci** -Salerno, ITA
	Musical instrument: Bassoon
	Supervisor: Domenico Procida

PRESENTATIONS/CONFERENCES/ WORKSHOPS/SEMINARS

PERIOD	**20/05/2024 — 31/05/2024**
TRAINING	**Workshop**
INSTITUTION	**The Abdus Salam International Centre for Theoretical Physics (ICTP)** -Trieste, ITA
	Topic of Workshop: Water Resources in Developing Countries: Hydroclimate Modeling, Information Tools and Simulation Techniques
	Activity: Poster Session
PERIOD	**14/04/2024 — 19/04/2024**
TRAINING	**General Assembly**
INSTITUTION	**European Geosciences Union (EGU)** -Wien, AUT
	Activity: Oral Presentation
	Senigalliesi, V., Alessandri, A., Di Carlo, E., and Cherchi, A.: Decline of water resources in Northern Hemisphere Mediterranean Climate Regions based on satellite observations., EGU General Assembly 2024, Vienna, Austria, 14–19 Apr 2024, EGU24-699, https://doi.org/10.5194/egusphere-egu24-699, 2024.
PERIOD	**09/2022**
TRAINING	**Summer School**
INSTITUTION	**University of Bologna** -Bologna, ITA
	Topic: Nature-based Solutions for hydro-meteohazards and climate change adaptation
	Activity: Group work presentation concerning Nature-based Solutions (NBS) for salt intrusion in the Po delta.
PERIOD	**04/2022 — 05/2022**
TRAINING	**Workshops**
INSITUTION	**University of Bologna** -Bologna, ITA
	Topic: - Numerical Modelling and Climate Science - Atmospheric meridional energy transports and the mid-latitudinal eddy driven general circulation - Climate variability on decadal and longer scales: mechanisms and predictability - Quasi-equilibrium climates at fixed external forcing - The role of Mediterranean cyclones and atmospheric rivers in intense precipitation events - Predictability of Weather and Climate - Observations of greenhouse and reactive gases at the CNR 'O. Vittori' Observatory in Monte Cimone

LANGUAGES

Italian: C2, mother tongue **English**: B2