

PERSONAL INFORMATION**Massimiliano Palma** Roma massimiliano.palma@enea.it

Sex Male | year of birth 1986 | Nationality Italian

Enterprise	University	EPR
<input type="checkbox"/> Management Level	<input type="checkbox"/> Full professor	<input type="checkbox"/> Research Director and 1st level Technologist / First Researcher and 2nd level Technologist
<input type="checkbox"/> Mid-Management Level	<input type="checkbox"/> Associate Professor	X Level III Researcher and Technologist
<input type="checkbox"/> Employee / worker level	<input type="checkbox"/> Researcher and Technologist of IV, V, VI and VII level / Technical collaborator	<input type="checkbox"/> Researcher and Technologist of IV, V, VI and VII level / Technical collaborator

WORK EXPERIENCE

From 04/09/2023-present

Research Scientist**ENEA** - Italian National Agency for New Technologies, Energy and Sustainable Economic Development, Climate Modelling and Impacts Laboratory

From 16/07/2020-04/09/2023

Postdoctoral Researcher**ENEA** - Climate Modelling and Impacts Laboratory

"Production, processing, and analysis of meteorological data and/or seasonal forecasts for environmental assessments for decisions associated with integrated risk management".

From 16/10/2019-31/12/2019

Research Fellow**"Università Politecnico – Torino"**

Analysis of coastal wave climate

From 18/03/2019-30/04/2019

Collaboration with CoNISMa

Physical-oceanographic data analysis and technical-operational support under the project "TERNA CAPRI-SORRENTO

From 31/05/2018-31/12/2018

Collaboration with IEFLUIDS S.R.L.

Implementation of a dynamic coupler for LES-COAST and MITgcm models as part of the OpERATE (Ocean Energy Resources Assessment for Maldives) project.

EDUCATION AND TRAINING

01/11/2014-23/03/2018

PhD in Earth Science and Fluid Mechanics**University of Trieste**

Title of the dissertation: Toward a coastal processing resolving ocean model – nesting LES-COAST and MITgcm

19/07/2013

Master degree in Environmental Sciences**University Parthenope – Napoli**

Title of dissertation: Analisi della variabilità inter-annuale del Mare Mediterraneo (1958-2004) attraverso simulazioni numeriche

Score: 110/110 cum laude

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s) English (B2)

Job-related skills

- Acquisition, processing and analysis of meteo-oceanographic data.
- Sampling and analysis of environmental matrices.

Digital skills

- O.S: Windows, Linux, Unix
- Programming languages: Matlab, Fortran, NCAR Command Language (NCL), Interactive Data Language (IDL), PHP Hypertext Preprocessor, Python, R. Linguaggi di programmazione parallela: MPI, OpenMP.
- Applications: Panoply, Tecplot, GiD, Surfer, QGIS, ArcGIS, Ocean Data View (ODV), Climate Data Operators (CDO), Grid Analysis and Display System (GrADS), General NOAA Operational Modeling Environment (GNOME), SeaWiFS Data Analysis System (SeaDAS), Calmet/Calpuff Modeling System, Gnuplot.

ADDITIONAL INFORMATION

Publications

E. de Sabata, E. Napolitano, R. Iacono, M. Palma, G. Sannino, A. Bordone: "Marine monitoring by SCUBA divers reveals new aspects of the temperature variability inside the Gulf of Naples (Tyrrhenian Sea)" (submitted). *Estuarine, Coastal and Shelf Science*

E. de Sabata, A. Bordone, A. Belluscio, T. Ciuffardi, R. Iacono, E. Napolitano, M. Palma, G. Raiteri: "MedFever: An expanding network of citizen-run observatories monitoring shallow coastal underwater temperatures in Italy". *SEANOE*; doi: 10.17882/86403

G. Sannino, A. Carillo, R. Iacono, E. Napolitano, M. Palma, G. Pisacane, M.V. Struglia: "Modelling Present and Future Climate in the Mediterranean Sea: A Focus on Sea-Level Change". *Climate Dynamics*. DOI: <https://doi.org/10.21203/rs.3.rs-653703/v1>

A. Anav, A. Carillo, M. Palma, M.V. Struglia, U. Turuncoglu, G. Sannino: "The ENEA-REG system (v1.0), a multi-component regional Earth system model: sensitivity to different atmospheric components over the Med-CORDEX (Coordinated Regional Climate Downscaling Experiment) region". *Geoscientific Model Development*, 14, 4159–4185, 2021 <https://doi.org/10.5194/gmd-14-4159-2021>

R. Iacono, E. Napolitano, M. Palma, G. Sannino: "The Tyrrhenian Sea Circulation: A Review of Recent Work". *Sustainability* 2021, 13, 6371. <https://doi.org/10.3390/su13116371>

M. Palma, R. Iacono, G. Sannino, A. Bargagli, A. Carillo, B.M. Fekete, E. Lombardi, E. Napolitano, G. Pisacane, M.V. Struglia: "Short-term, linear, and non-linear effects of the tides on the surface dynamics in a new, high-resolution model of the Mediterranean Sea circulation". *Ocean Dynamics* 70, 935–963 (2020). <https://doi.org/10.1007/s10236-020-01364-6>

G. Zanier, M. Palma, A. Petronio, F. Roman, V. Armenio: "Oil Spill scenarios in the Kotor bay: results from high resolution numerical simulations". *Journal of Marine Science and Engineering - J. Mar. Sci. Eng.* 7, 54; (2019)

Proceedings G. Sannino, A. Carillo, G. Pisacane, M. Adani, M. Palma, C. Naranjo, M. Struglia:
“Mediterranean model response to enhanced resolution at Gibraltar and tidal forcing”. J.Black
Sea/Mediterranean Environment. Special Issue: 41-47 (2015)

G. Sannino, A. Bargagli, A. Carillo, R. Iacono, E. Lombardi, E. Napolitano, M. Palma, G.
Pisacane, M.V. Struglia:” A high-resolution operational system for the forecasting of sea state
in the Mediterranean and the Black Sea for energy harvesting”. 13th EWTEC 2019 – 1-
6/09/2019 Napoli

Roma, 23/01/2024