RIVIERADE

Kick-off meeting

Trieste 16-18 Feb 2026

CNRS-CNRM

Samuel Somot

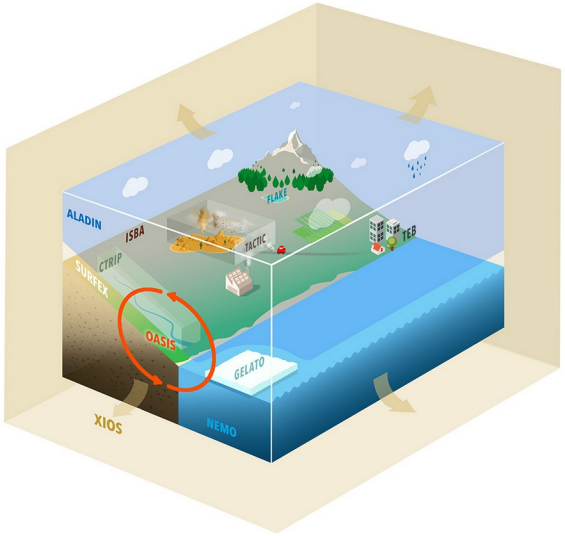
This project has received funding from Horizon Europe RIA under Grant Number 101181983

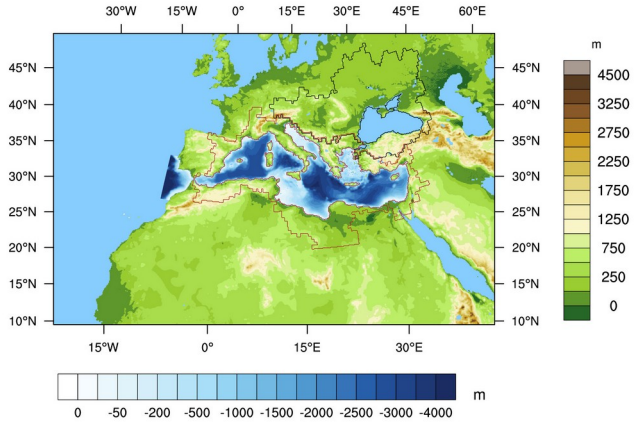
CNRM Team

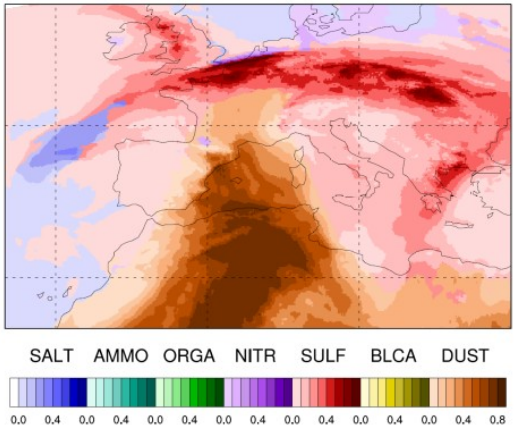



- Admin partner : CNRS+METEOFRANCE → Science partner : CNRM
- 3 staff members : Florence Sevault, Robin Waldman, Samuel Somot
- 1 postdoc (Fr. project) : Ivan Parras-Berrocal
- 2 to-be-hired persons
- Involved in Mediterranean regional ocean modelling at climate scale since the 2000s incl. future projections (Somot et al. 2006, Somot et al. 2008)
- Model : CNRM-RCSM, fully-coupled RCMs including Atmosphere-Aerosol-Land-Hydrology-River-Ocean dedicated to the Mediterranean Sea study (Sevault et al. 2014, Sevault 2024)
- Past scientific focus : Deep Water Formation and MTHC (Waldman et al. 2018A, 2018b, Somot et al. 2018), Marine Heatwaves (Darmaraki et al. 2019A, 2019b), Surface circulation (Parras-Berrocal et al. 2024), Relative Sea Level (Parras-Berrocal et al. 2025), Gibraltar Strait (Gonzalez et al. 2023, 2025), regular collaborations with ocean BGC, ocean ecosystem and VHR modelling teams
- Co-leader of Med-CORDEX international modelling initiative since 2009
- Co-lead of the new WCRP Joint Working Group on Regional Ocean Climate Projections
- Involved in the French national climate service (over land)

CNRM modelling plateform (WP4): CNRM-RCSM

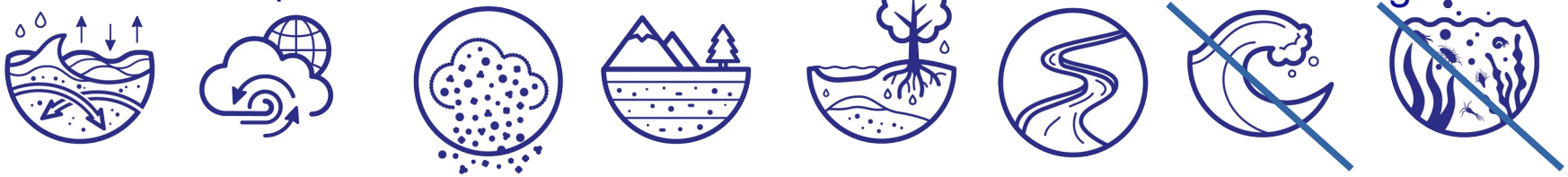






CNRM-RCSM

Ocean Atmosphere Aerosols Land Hydrology River Wave Biogeochem.



One of the coupled RCMs contributing to the Med-CORDEX initiative (Phase 1, 2, 3)

CNRM contributions to WPs

- WP4 partner (our main focus in the project)
- WP4 lead
- WP4 : 1/3 Mediterranean Sea modelling plateform
- T4.1 : lead of the simulation protocol task
- T4.3 : lead of the ocean physics multi-sea/model/decadal grand ensemble production task (initially ICTP)
- In charge of providing outputs to drive LEGOS and OGS BGC models (WP5)

- WP6 partner (small contribution)
- T6.1.1, T6.2 : Physics-based basin-scale (and coastal-scale) indicators, exploration of the basin-scale drivers of mean steric and dynamic sea level changes along Mediterranean coasts

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Partners