



9th International Med-CORDEX Workshop July, 2nd-3rd 2025 (online)

Preliminary Program

Wednesday, July, 2nd

8.45-9.15 Introduction and greetings from the organizers (Marco Reale, OGS & Gabriel Jordà, CSIC)

9.15-9.35 Invited speaker: Philippe Dobrinski (LMD) MedECC MAR2

9.35-9.55 Invited speaker: Erika Coppola (ICTP, member of the CORDEX SAT) Last updates from the current phase of CORDEX

9.55-10.10 Med-CORDEX-CMIP6 : a Multi-Model Ensemble to Assess the Future Evolution of the Mediterranean Climate and Sea (Samuel Somot, CNRM)

10.10-10.25 MedX-CM: Status and Planned Contributions by NKUA (John Karagiorgos, NKUA)

10.30-11.00 Break

11.00-11.15 Recent developments in the regional coupled ICON-Earth System Model over the Mediterranean (Angelo Campanale, CMCC)

11.15-11.30 ICTP RegCM-ES1-1: challenges faced in integrating the interactive Black Sea, Med-CORDEX simulation status and tentative timeline (Graziano Giuliani, ICTP)

11.30-11.45 Hindcast simulation of the Mediterranean Sea following the ERA5 and ORAS5 reanalysis with CNRM-RCSM6B (Florence Sevault, CNRM)

11.45-12.00 ICON-CLM at km-scale in the MedCORDEX domain (Bodo Ahrens, GUF)

12.00-12.15 An Explainable Statistical and AI Approach for the Mediterranean Based on Downscaling Across Timescales (Kwok Chun, University of the West of England)

Afternoon Discussions and Working Sessions

14.00-15.00 Discussion on the Med-CORDEX contribution to IPCC-AR7 (incl. report content overview, timeline and LA/CLA if known, coordination on multi-model papers, data delivery to the Interactive Atlas)

15.00-16.00 Working session on coastal risks





Thursday, July, 3rd

8.45 Introduction to the second day

9.00-9.15 Evaluation of the new ALDERA-4 hindcast simulation (1959-2022) over the Med-CORDEX domain: application to tracking dust outbreaks (Pierre Nabat, CNRM)

9.15-9.30 Unravelling drivers of the future Mediterranean precipitation paradox during cyclones (Marco Chericoni, IUSS and ENEA)

9.30-9.45 Intercomparison between new very high resolution global model and regional climate system model in the Mediterranean basin (Javier Soto-Navarro, UoM)

9.45-10.00 Decomposing steric and dynamic sea level trends in a future high-emission scenario of the Mediterranean Sea (Robin Waldman, CNRM)

10.15-10.30 Mediterranean sea level projections under very high-emission regional climate scenarios (Ivan Parras-Berrocal, CNRM)

10.30-11.00 Break

11.00-11.15 Sub-kilometre-scale scenario in the north-western Mediterranean Sea through downscaling to +4°C by 2100: changes in coastal and offshore circulation (Quentin-Boris Barral, LEGOS)

11.15-11.30 High resolution gridded dataset for Greece (Konstantinos Varotsos, NOA)

11.30-11.45 Plankton biodiversity in the Mediterranean Sea: a trait-based model (Francesco Dattilo, OGS)

11.45-12.00 Introducing the RIVIERADE EU-HORIZON project (Stefano Salon, OGS)

12.00-12.15 Overview of the COST action MEDUSSE - Seasonal-to-decadal climate predictability in the Mediterranean: processes understanding and services (Javier Garcia-Serrano, UoB)

Afternoon Discussions and Working session

14.00-15.00 Improving the outreach of Med-CORDEX simulations (including the webinar series)

15.00-16.00 Hands-on session on Med-CORDEX simulation data sharing (dedicated to the members of the modelling groups)

16.00-17.00 Biogeochemical session