



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

Program

Wednesday, July, 2nd

8.45 Opening the online room for connection

<https://ogs-it.zoom.us/j/87873141969?pwd=m26gZT92AbmABNaw50LOxgkweAXpUM.1>

9.00-9.15 Introduction and greetings from the organizers (Marco Reale, OGS & Gabriel Jordà, CSIC)

Chair: Sofia Darmaraki (FORTH)

9.15-9.35 Invited speaker: Philippe Dobrinski (LMD) Regional climate modelling in the 2nd MedECC Mediterranean Assessment Report (MAR2)

9.35-9.55 Invited speaker: Erika Coppola (ICTP, member of the CORDEX SAT) Cordex status and future developments

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

Chair: Samuel Somot (CNRM)

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 The upgraded regional Earth system model ENEA-REG (v 3): the effects of the new river routing module (Maria Vittoria Struglia, ENEA)

11.45-12.00 Hindcast simulation of the Mediterranean Sea following the ERA5 and ORAS5 reanalysis with CNRM-RCSM6B (Florence Sevault, CNRM)

12.00-12.1 ICON-CLM at km-scale in the MedCORDEX domain (Bodo Ahrens, GUF)

12.15-12.30 An Explainable Statistical and AI Approach for the Mediterranean Based on Downscaling Across Timescales (Kwok Chun, UWE)

12.30-12.45 Conclusion of the morning session



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) (Lead: Erika Coppola, Samuel Somot)

<https://ogs-it.zoom.us/j/81955382911?pwd=am51tn75oafSawzkoLETg1PAbM9999.1>

15.00-16.00 Working session on sea level rise projections and coastal risks (Lead: Gianmaria Sannino, Rosh Ranasinghe)

<https://ogs-it.zoom.us/j/89884625336?pwd=WBDObNBbWcCFMfjr1fQ2rz0Gz5hy9m.1>

Thursday, July, 3rd

8.45 Opening the online room for connection

<https://ogs-it.zoom.us/j/87873141969?pwd=m26gZT92AbmABNaw50LQxgkweAXpUM.1>

Chair: James Ciarlò (University of Malta)

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

10.15-10.30 Decomposing steric and dynamic sea level trends in a future high-emission scenario of the Mediterranean Sea (Robin Waldman, CNRM)

10.30-11.00 Break

Chair: Melika Baklouti (Mediterranean institute of Oceanography)

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)

12.15-12.30 Final words, conclusion



Afternoon Discussions and Working session

14.00-15.00 Improving the outreach of Med-CORDEX (including the webinar serie) (lead: Gabriel Jordà, Samuel Somot)

<https://ogs-it.zoom.us/j/81427271076?pwd=3Fv6CqNqk7K39UvAFCwOnwxWXbE78n.1>

15.00-16.00 Hands-on session on Med-CORDEX simulation data sharing (dedicated to the members of the modelling groups) (lead: Jesus Fernandez, Florence Sevault)

<https://ogs-it.zoom.us/j/85020632214?pwd=kYMeyJxGsyODD7tCmZVMNcqevQohUP.1>

16.00-17.00 Med-CORDEX biogeochemical initiative (including the discussion on the Med-CORDEX biogeochemistry paper, the simulation protocol, ...) (lead: Marco Reale, Gabriel Jordà)

<https://ogs-it.zoom.us/j/87628178308?pwd=HpiV4y8hBJOd2fGXHiMWlWa8zPoS1v.1>

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