

CMCC-JAMSTEC workshop: next frontiers in climate modelling and predictions

Mon, June 9th

09:30-10:00	Welcome coffee and Registration
10.00-10:45	SESSION 1 10:00 - 10:30 Swadhin Behera (JAMSTEC) "Recent progresses in ocean and climate applications integrating with digital twins" 10:30 - 10:45 Simona Masina (CMCC) "Overview of recent progresses at the Institute for Earth System Predictions"
10:45-12:15	SESSION 2: Teleconnections and climate predictions (Part 1) Chair - Enrico Scoccimarro 10:45 - 11:15 Patrick Martineau "Tropical pacific influence on summertime South African high-frequency temperature variability and heat waves" 11:15 - 11:45 Davide Sabatani "The impacts of biases on simulated ENSO teleconnections with the Northern and Southern Hemispheres" 11:45 - 12:15 Marianna Benassi "A hybrid NAO-based subsampling approach for winter seasonal predictions"
12:15-14:00	Light Lunch (Discussion on CRA) + POSTER SESSION
14:00-15:30	SESSION 3: Teleconnections and climate predictions (Part 2) Chair - Swadhin Behera 14:00 - 14:30 Panos Athanasiadis "Oceanic initial conditions and ocean-atmosphere feedbacks key to NAO decadal predictability" 14:30 - 15:00 Takeshi Doi "Toward seasonal forecast of blue carbon using SINTEX-F" 15:00 - 15:30 Leone Cavicchia "AI driven seasonal forecast of mediterranean cyclones"
15:30-16:00	Coffee break + POSTER SESSION
16:00-17:30	SESSION 4: Climate variability and Modeling (Part 1) Chair - Masami Nonaka 16:00 - 16:30 Yushi Morioka "Global ocean and sea ice variability simulated in eddy-permitting climate models" 16:30 - 17:00 Dorotea Iovino "Challenges in simulating sea ice: advancing physics, resolution, and data integration" 17:00 - 17:30 Giovanni Conti "SPREADS: From Research to Operational Open-Source Data Assimilation"
17:30 - 18:00	Discussion (topic of collaboration: first round) and End of Day 1
20:00	<i>Social Dinner</i>

Tue, June 10th	
09:30-10:30	SESSION 5 09:30 - 10:00 Antonio Navarra (CMCC) "SST variability via Koopman decomposition" 10:00 - 10:30 James Kinter (GMU)
10.30-11.00	Coffee break + POSTER SESSION
11:00-13:00	SESSION 6: Climate variability and Modeling (Part 2) Chair - Silvio Gualdi 11:00 - 11:30 Masami Nonaka "Extreme northward meander of the Kuroshio Extension in 2023 in an eddying OGCM" 11:30 - 12:00 Momme Butenschön "Modelling the role of the ocean in climate mitigation" 12:00 - 12:30 Vladimir Santos Da Costa "Limited area climate downscaling over the Adriatic Sea with a multi-model coastal earth system" 12:30 - 13:00 Ryo Furue "Intrinsic variability of the Indonesian Throughflow"
13:00-14:00	Light lunch + POSTER SESSION
14:00-16:00	SESSION 7: Extreme Events Chair - Ryo Furue 14:00 - 14:30 Ronan McAdam "Feature selection for data-driven seasonal forecasts of European summer heatwaves" 14:30 - 15:00 Eirini Tsartsali "Predictability of temperature extremes in multi-annual forecasts" 15:00 - 15:30 Francesco Maicu "Simulating the Mediane Ianos with SEAS, a regional ocean-atmosphere coupled model" 15:30 - 16:00 Salvatore Causio "Coupling ocean currents and waves for seamless cross-scale modeling during Mediane Ianos"
16:00-16:30	Coffee break
16:30-17:30	Discussion (topic of collaboration: second round - collaboration program)
17:30	End of the Workshop