

LIST OF THE ERA-Interim EVALUATION RUNS OF THE MED-CORDEX BASELINE RUNS

version 0: S. Somot, January 2020

version 1: S. Somot, March 2021

version 2: S. Somot, January 2022, merging Phase 1 and Phase 2 run lists + last updates

In Med-CORDEX, 18 evaluation runs driven by ERA-Interim have been performed with 18 different RCSM configurations and by 10 different institutes. This includes phase 1 and phase 2 runs.

Simulations done, Simulations in preparation

| Model Naming | Period | Status | Last update |
|------------------------------------|-----------|---|-------------|
| CNRM-RCSM4 | 1980-2013 | done ref: <i>Sevault et al. 2014</i> | 2022-01-20 |
| CNRM-RCSM6 | 1980-2019 | done (after 19 years of spinup), ref: <i>Darmaraki et al. 2019b, GRL</i> | 2022-01-20 |
| ENEA-PROTHEUS v2 | 1982-2010 | done | |
| ENEA-RegCM-ES | 1979-2015 | done | |
| ENEA-REG | 1980-2014 | running | 2021-03-31 |
| CLMcom-GUF-CCLM-NEMO | 1980-2012 | done | |
| CLMcom-GUF-CCLM5-0-9-NEMOMED12-3-6 | 1979-2016 | done | 2019-11-24 |
| LMD-LMDZMED_v1 | 1979-2019 | done | |
| LMD-LMDZMED_v2 | 1979-2019 | planned | 2022-02-03 |
| IPSL-MORCEMED | 1989-2013 | done | |

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|------------------------------|-----------|------|------------|
| IPSL-RegIPSL | 1979-2016 | done | 2019-11-20 |
| CMCC-CCLM4-21-NEMOMFS (50km) | 1980-2011 | done | |
| CMCC-CCLM4-21-NEMOMFS (12km) | 1979-2018 | done | 2019-11-15 |
| UBEL-EBUPOM2c | 1989-2008 | done | |
| ITU-RegESM1 | 1979-2012 | done | |
| ITU-RegESM1.2 | 1979-2012 | done | 2021-03-29 |
| AWI-GERICS-ROM44 | 1980-2012 | done | |
| AWI-GERICS-ROM22 | 1980-2012 | done | 2019-11-28 |
| AWI-GERICS-ROM11 | 1980-2012 | done | |
| ICTP-RegCM-ES | | no | 2022-02 |
| INSTM-LMDZ/ROMS-MED | 1979-2009 | done | |

REFERENCES:

- Darmaraki S., Somot S., Sevault F., Nabat P. (2019) Past Variability of Mediterranean Sea Marine Heatwaves. *GRL*, 46, 9813-9823, doi:10.1029/2019GL082933. *Special Section: The CNRM Climate and Earth System Models for CMIP6*
- Sevault, F., Somot, S., Alias, A., Dubois, C., Lebeaupin-Brossier, C., Nabat, P., ... & Decharme, B. (2014). A fully coupled Mediterranean regional climate system model: design and evaluation of the ocean component for the 1980–2012 period. *Tellus A: Dynamic Meteorology and Oceanography*, 66(1), 23967.