

CNRM Model

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Detailed model description

Page containing details for all model configurations available in S2S since the project start => [CNRM model description](#)

Overview of the model changes

Model version	Implement. date in S2S	Time range	Resolution	Ens. Size	Frequency	Re-forecasts	Rfc period	Rfc frequency	Rfc size	Ocean resolution	Active Sea Ice	Remarks
CNRM-CM 6.1	22/10/2020	d 0-47	T359 L91	25	weekly	fixed	1993-2017 <small>(model version date 01/07 /2019)</small>	every 7 days <small>(starting from 31/12 /1992 *2)</small>	10	0.25° L75	yes	additional ocean parameters added since 22 Oct 2020
CNRM-CM 6.0	01/03/2016	d 0-32	T255 L91	51	weekly	fixed	1993-2014 <small>(model version date 01/12 /2014)</small>	4/month <small>(always on the 1st, 8th, 15th and 22nd *2)</small>	15	1° L42	yes	

Description of the main changes

CNRM-CM 6.1

- operational since 22/10/2020 (included)
 - the corresponding fixed reforecast set is with the model version date 2019-07-01
- the forecast length was prolonged to 47 days (from 32)
- the ensemble size was decreased to 25 (from 51) for the real-time data and to 10 (from 15) for the reforecasts
- Additional parameters added:
 - CAPE
 - Skin Temperature
 - Soil Moisture (top 20 and 100 cm)
 - Soil temperature (top 20 and 100 cm)
 - Surface water runoff
 - 9 ocean fields (Average potential temperature in the upper 300 m, Average salinity in the upper 300 m, Depth of 20 C isotherm, Eastward sea water velocity, Northward sea water velocity, Mixed layer depth, Sea-ice thickness, Sea surface height, Sea water practical salinity)
 - 10 metre wind U / V is archived now as 6-hourly in contrary to once per day before
- No-longer available parameters:
 - Potential vorticity
 - For all pressure level fields : level 1000 hPa will be missing
 - For vertical velocity only, 10 hPa level will be missing in addition to level 1000 hPa

CNRM-CM 6.0