



## **Decadal Prediction Experiments using EC-EARTH**

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We present the first results of decadal prediction experiments with EC-EARTH 2.1 in the framework of the EUTHOR project. This model consists of the ECMWF IFS<sub>c31</sub> model at T159/L62 resolution, the NEMO2 ocean model at 1° resolution and the LIM2 sea-ice model. The purpose is to predict decadal variability in the Atlantic Ocean and the resulting predictability in the weather at these time scales.

As expected, the model shows a bias in the first years due to the initialization shock from the full initial state (NEMOVAR), but stabilizes afterwards. The bias and first estimates of the skill are shown for a partial CMIP5 ensemble, covering ocean, surface and atmospheric components of the coupled model.