



## **Initializing Decadal Climate Predictions with the GECCO Oceanic Synthesis: Effects on the North Atlantic**

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The intention of this project is to improve the qualitative and quantitative climate prediction capabilities. For this purpose the coupled model of the Max Planck Institute for Meteorology consisting of the atmosphere model ECHAM5 and the ocean model MPIOM is initialized with oceanic synthesis fields of the German contribution to the Estimating the Circulation and Climate of the Ocean (GECCO) project. The role of the initial conditions for interannual to decadal climate predictions with a special emphasis on the North Atlantic is investigated in hindcast experiments over the second half of the 20th century.