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Climateprediction.net: preliminary results from THC experiment

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The Thermohaline circulation (THC) is known to have a strong influence on climate. However, the consequences of a THC collapse on global and regional climate is not well known. By imposing an atmosphere-ocean heat flux anomaly, we investigate the climate response due to a 50% slowdown of the THC in an ensemble of general circulation models taking into account model uncertainty. Preliminary results from the ensemble are presented.