



Modelling the Climate Response to the Antarctic Ice Sheet at 35MY Ago

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This presentation will discuss the main features of the Earth climate related to changes in Antarctic topography. The results are based on a coupled modelling experiment (Speedy-Nemo) forced with the ice sheet topography as proposed by DeConto and Pollard (Nature 2003). Changes in the MOC, atmospheric and oceanic heat fluxes and modification in the atmospheric and oceanic circulations will be shown.