



Linking the GCM experiment and climatological data of the last Millennium using the carbon cycle model

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We provide a status report of the ongoing GCM modelling activity of EC's *Millennium* project. Since January 2006, we have discussed our modelling plan with a large number of climate data analysts and modellers in and outside the Millennium consortium. This led to a significantly revised experimental design, and the link between the proxy data analyses and the modelling activity has been tightened.

Following the initial proposal, we use two variants of the frequently employed HadCM3 model, developed at the Hadley Centre. We however incorporate the recently developed model of carbon cycle and dynamic vegetation. This allows us to yield new model outputs that are more closely related to the climatic records than temperature and precipitation.

We present preliminary output of the model simulation and discuss the comparison against the observational data.