



Vegetation-Climate interactions during the Last Glacial Cycle

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We present results from a series of "snap-shot" climate simulations through the whole of the Last Glacial-Interglacial cycle, using the Hadley Centre climate model (HadCM3). The simulations are approximately at every 2000 years through from 120 kyrBP to pre-industrial. The version of the model we use includes the dynamic vegetation model (TRIFFID) which allows us to investigate the role of interactive vegetation. The results show that interactive vegetation does not have a major effect on the global mean temperature but can have more significant impact on regional changes. The biggest changes occur on precessional time scale. Despite including interactive vegetation, the model is unable to reproduce the extent of the "greening" of the Sahel, 6 kyr BP.