



Feedbacks between climate, land cover, and carbon cycle on centennial to millennial timescales

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Earth system model of intermediate complexity, CLIMBER-2, is applied for evaluation of future dynamics of CO₂ and climate under different scenarios of anthropogenic CO₂ emissions and land cover changes. Strength of climate-carbon cycle feedback in the future simulations is compared with model results for the last glacial maximum and with feedback analysis of ice core data. Results of integration of coupled climate-carbon cycle system through the next 50,000 years will be presented.