



A European Initial Training Network on anticipating climate change and biospheric feedbacks within the Earth system to 2200: GREENCYCLESII

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GREENCYCLESII is a Marie Curie FP7 Initial Training Network which aims to improve current understanding of the impacts of climate-biogeochemistry feedbacks on the evolution of the Earth system over the next two Centuries and foster the next generation of Earth system scientists. 15 European research centres are collaborating on providing training and hosting of network Fellows. The project started in 2010 and 30 Fellows have joined the network across 8 countries. Workshops, mini-conferences, and a summer school have brought the Fellows together with network and outside senior scientists to explore the Earth system. Science projects are yielding major advances in our ability to model the coupled Earth system, with a particular focus on the role of biological processes within the global carbon cycle. Work packages cover the themes of global datasets for model benchmarking, marine processes, terrestrial processes, high-latitude feedbacks, and coupled modelling. This poster will highlight a selection of the key scientific findings to have arisen from the network so far.