



Going beyond the RCPs: scope for cooperation between ESM and IAM models

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The "Representative Concentration Pathways" form the basis of new climate research between the integrated assessment modeling and earth system modeling research communities. The results of the ESM models now becoming available allow for a mutual learning exercise as originally indicated in the formulation of the experiments. This involves issues like the representation of the climate system and carbon cycle in IAM models (which is of key importance for policy-making), but also land use change in ESM models (and the comparison across different models). Based on these results, it is useful to consider how new cooperation can further improve the understanding of the interaction between human development and the earth system, for instance, regarding the interaction between air pollutants and climate change and the impacts of climate change on existing scenarios for agriculture.