

CMIP5 and CMIP6 Handoff – Human Activities

Thinking toward CMIP6 a much wider range of human activities and their impacts need to be included to fully represent the impacts of human activities on surface energy budgets, hydrology and the carbon cycle. Specific examples of information passed to the ESMs should include:

- Multiple cropping types
- Irrigation
- Biofuels – crops and other mechanisms
- Afforestation explicitly specified
- Conservation and protected areas management (REDD+)
- Urban and peri-urban expansion and adaptation (Green space, etc)

To ensure consistency between research communities these processes need to be developed in concert

The parameters describing these activities need to be compared at the level of the IAMs and in the parameters generated by the ESM groups prior to running Climate Modeling experiments