Societal Dimensions Working Group meeting

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Agenda: Monday

Morning

- Mitigation
- Methods

Afternoon

- Impacts
- Computing projects

Agenda: Tuesday

Morning

- Joint Societal Dimensions, Land Model and BGC Working Groups
- Land use

Afternoon

- Joint Land Model and BGC Working Groups

SDWG Mission

The SDWG enhances CESM and its application to improve understanding of the interactions between human and earth systems.

- Includes the use of CESM in studies of climate change impacts, adaptation and mitigation
- Key characteristic: the role of CESM (and Earth system and climate models in general) in their analysis

SDWG Scope

Topics of interest

- interactions between the climate system and the use of energy, land, and water
- emissions of air pollutants and their consequences
- socio-ecological impacts of climate change
- geoengineering; ocean acidification
- diagnosis of CESM performance from an applications perspective

Participants

- integrated assessment modeling
- climate impacts, adaptation and vulnerability
- climate modeling
- practitioners in resource management, policy analysis

SDWG Activities

The working group pursues its goals through four principle types of activities:

- Fostering dialogue between the CESM community and other communities of researchers and practitioners involved in the interaction of society and climate change
- Identifying needs of users in the scientific and applications communities for new developments in CESM and communicating them to relevant CESM working groups
- Carrying out CESM simulations of particular relevance to scientific and applications communities
- Reviewing and approving new CESM code that provides linkages to human system models

Today's implications for SDWG

- Fostering dialogue
  - Ways to engage additional communities? (computational social science, emissions/mitigation, additional impact areas, ecological, …)
  - Ways to engage other ESM centers?
- Needs for CESM development
- Relevant CESM simulations
- New CESM linkage code
  - Related simple models? pattern scaling?