Integrated Modeling to Characterize Climate Change Impacts and Support Decision Making

Background
Increased temperature, sea level rise, altered precipitation patterns, and changes in air and water quality are among the emerging climate change impacts facing our nation. Taking action on climate change requires cross-media, transdisciplinary tools and an integrated systems-analysis modeling approach.

Workshop Purpose
The US Environmental Protection Agency is convening this workshop to facilitate the use of integrated modeling to inform and improve local, regional and national policy decisions relevant to climate change adaptation and mitigation strategies.

The workshop will:

- Bring together empirical scientists, modelers, economists, social scientists, and public policy experts to help ensure that model development aligns with climate change policy design, management and decision-making needs.
- Connect the climate change data producers with the climate change data users. Make existing resources accessible to stakeholders in the field.
- Highlight successful case studies of intra agency, inter agency, academy, public, and private sector systems analysis and integrated modeling for climate change impacts.

Workshop Outputs
The workshop will include a mix of plenary presentations, panel discussions, and break out sessions. The discussions will facilitate the future development of:

- A guide for states, tribes, and municipalities on identifying, assessing and responding to the impacts of climate change.
- A white paper on future needs of integrated modeling for the assessment and response to climate change impacts.

For more information contact
Michael Hiscock: hiscock.michael@epa.gov
Noha Gaber: gaber.noha@epa.gov