



NCAR

# Attendee Introductions

3<sup>rd</sup> NARCCAP Users Workshop

NCAR

Boulder, CO

April 7-8, 2011

National Center for Atmospheric Research



- **Chris Anderson:** How climate variability affects heavy rainfall systems in the Midwest and how to communicate this knowledge within decisions impacted by heavy rainfall.
- **Daniel Barrie:** The interaction of wind energy with climate and weather.
- **Joseph Barsugli:** Incorporating information from NARCCAP simulations into impacts and management models.
- **Marcus Borengasser:** Evaluation of the impact of climate change on pollutants generated by USA DoD operations.



- **Wei Chu:** Mining data from climate model outputs, ground observations, and satellite remote sensing for water planning and hydrological applications.
- **Bill Forsee:** Climate change and variability, ecosystem science, hydrology, geography, and marine science.
- **Yanhong Gao:** Climate change impacts over mountainous region from the regional climate models
- **Adam Greeley:** Decadal climate variability, climate predictability at the interseasonal to interdecadal time scales, and the societal impacts of climate change.



- **Chuck Hakkarinen:** Further dynamical and statistical downscaling, and the use of web-based applications to display the spatial and temporal patterns of regional climate model outputs and their comparison to observational data.
- **Eric Gilleland:** Spatial and extreme value statistics
- **Dorit Hammerling:** Spatial statistics applied to large environmental data sets and models.
- **Erik D. Kabela:** NARCCAP model validation for the Southeast United States during the observational period, and projections of future temperature and precipitation change.



- **Sho Kawazoe:** Extreme precipitation events in the Upper Mississippi River basin
- **Kenneth Kunkel:** Regional climate variability, extremes, change, and modeling.
- **Guilong Li:** Estimating high resolution monthly temperature and precipitation change and uncertainty over North America using statistical downscaling.
- **Lu Liu:** Applying climate data to environmental impacts assessment such as water resources and ecosystems.
- **Kelly Mahoney:** Extreme precipitation, high-resolution dynamical downscaling, and applications-oriented approaches to better understanding the potential for changing extremes in future climates.



- **Arie Ponce Manangan:** Using downsampled climate models to assess the health effects of climate change at a regional scale.
- **Martin Jose Montero-Martinez:** GCM validation, statistical and dynamical downscaling, and aerosol-climate interactions.
- **Phil Morefield:** Developing tools and workflows to enable the processing and analysis of large archives of climate model output in ArcGIS.
- **Linda Mortsch:** The development and use of climate change scenarios for water resources assessments.



- **Trevor Murdock:** Regional climate change projections, downscaling, adaptation planning, applications, and decision-making.
- **Mohammad Reza Najafi:** Climate change impact on hydrologic extremes such as floods in the Pacific Northwest.
- **George Paul:** Impact assessment, vulnerability and adaptation of climate change and variability on water resources and Agriculture.
- **Sara C. Pryor:** Dynamical and statistical downscaling, primarily with a focus on extreme events.



- **Budong Qian:** Applying climate change scenarios simulated by regional climate models to crop models for evaluating climate change impacts and adaptation strategies.
- **Lei Qiao:** Climate change induced hydrological variations in the lower Missouri River Basin.
- **Imtiaz Rangwala:** Understanding climate change in the high mountain region.
- **Darrin Sharp:** The development of information systems used for ecological and environmental research.
- **Willis Shem:** Dynamic downscaling of GCM climate products for region-specific applications, e.g. impacts and vulnerability studies.





- **Christopher Uejio:** How weather and climate variability currently influence public health and how climate change may alter these relationships
- **Michael Wehner:** Projections of changes in extreme and rare precipitation and extreme weather: floods, droughts, heat waves and hurricanes.
- **Shuang-Ye Wu:** Potential impacts of climate change on extreme precipitation and flooding.
- **Feng Zhang:** Development of new methods for distributed hydrological modeling, downscaling of climate variables and scenarios, and integrated impact assessments of climate, land use, and demand change on regional water resources.