

# WCIAS Strategy:

- Filling critical gaps in weather and climate impact assessment science
- Developing integrating methods
- Moving toward decision-making as a centerpiece
- Promoting integration of assessment science activities at NCAR, nationally and internationally

# Filling Critical Gaps:

## 1. Uncertainty

Goal: To support improved responses to weather and climate risks by understanding and characterizing the uncertainties affecting the decision-making process.

## 2. Extreme Events

Goal: To increase the resilience of human populations to extreme weather and climate events through improved tools, modeling and data.

## 3. Climate and Human Health

Goal: To catalyze and nurture an interdisciplinary research community studying the effects of climate on human health.

# Project Examples:

- Tebaldi et al. – Improving the ability to use AOGCM projections on a **regional** scale by characterizing their uncertainty
- Feddema et al.– Exploring uncertainty in land cover as a forcing for future scenarios
- Meehl et al. – Characterizing heat wave and frost day frequency in the future, two extreme events of interest, using GCMs
- Amman et al. – Evaluating uncertainty of fundamental assumptions underpinning paleo simulations [poster]