North American THORPEX Societal and Economic Research and Applications (NAT-SERA) Workshop: Welcome and Overview

NCAR Foothills Laboratory
14-16 August 2006

Rebecca Morss & Jeff Lazo
Logistics

- If travel paid for by NCAR, see Pam Johnson
- Light continental breakfast at 8AM
- Lunch in cafeteria downstairs (on your own)
- Dinner tonight (starting 6-6:30 PM) at NCAR Mesa Laboratory (Damon Room)
- Schedule for shuttle from Golden Buff hotel
- Wireless (please use politely)
- Restrooms
- Questions?
Workshop goals 1

• To develop a community research agenda for Societal and Economic Research and Applications (SERA) for the North American THORPEX program

THORPEX: A 10-year international program to improve high-impact 1-to-14-day forecasts for the benefit of society, economy, and the environment.

SERA is one of 4 components of THORPEX
Workshop goals 2

• Why a workshop to develop a community research agenda?
  – To energize new research and develop new collaborations related to socioeconomic aspects of weather prediction
  – To contribute to the North American (and international) THORPEX planning process
  – For dissemination to funding organizations and program managers
  – For dissemination to the meteorological community
  – Etc.
Workshop overview 1

- Focus on **discussion** of ideas for socio-economic research related to **1-14 day weather forecasts**
  - Do so by bringing together a small group of invited experts in interrelated fields
- This morning: Presentations/discussion on background and cross-cutting topics
- Remainder of workshop: Presentations/discussion sessions and breakout groups focusing around 4 focal themes, considering cross-cutting themes
  - Everyone discusses all themes in breakouts -- check list
- Writing workshop Wednesday afternoon - Thursday
Workshop overview 2

• Four focal themes selected by organizing committee
  Areas of interest, to help focus discussions (not exhaustive)
  – Theme I: Communicating uncertainty
  – Theme II: User-relevant verification
  – Theme III: Economic value and use of forecast information
  – Theme IV: Decision support
  Cross-cutting themes: Defining high-impact weather forecasts,
    Transferring benefits to developing countries

• Pre-workshop paper for each focal theme, as a starting
  point for workshop discussions (papers are drafts)

• Diverse, interdisciplinary group
  *limit use of acronyms … define terms … ask questions*
Workshop outcomes

• Workshop report
  – Purpose: To review ideas discussed at workshop, to feed into North American THORPEX plan & funding opportunities
  – Writing team will collect ideas throughout workshop (feel free to provide additional written ideas to Jeff/Rebecca)
  – Draft by end of August, feedback from participants by mid-September, finalized by end of September

• Short (~4500 word) publication in the *Bulletin of the American Meteorological Society*
  – Purpose: To disseminate ideas discussed at workshop to hydrometeorological and THORPEX communities

• New research ideas, collaborations, etc.
Thanks to …

- Organizing committee: Barb Brown, Greg Holland, Brian Mills, Dave Parsons
- Discussion paper authors: Harold Brooks & Dan O’Hair, Barb Brown, Phil Ganderton, Brian Mills
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- NCAR Opportunity Fund, THORPEX International Program Office
- NCAR TIIMES (The Institute for Integrative and Multidisciplinary Earth Studies), NCAR Societal Impacts Program, NCAR Mesoscale and Microscale Meteorology Division
Questions?
Participant introductions

Name
Institution
Field / discipline / brief background