RESEARCH TOPICS

WAYS TO INTEGRATE STAKEHOLDERS WITH HAZARDOUS WEATHER TESTBED OPERATIONS

CLIMATE CHANGE ADAPTATION AGENDA US & OVERSEAS

PROGRAM WITH NEW ZEALAND GEOLOGICAL & NUCLEAR SCIENCE HAZARDS GROUP

ENHANCED RADAR EDUCATION WITH SOCIETAL IMPACTS WORK

ACTIVITIES

Advanced WAS*IS workshop 09/08
AMS presentation 01/09 (Kristin Kuhlman)
Post-workshop project development with stakeholders
Probabalistic warning tool development

Lazrus dissertation & publications
Data analysis- Duchon
New research in collaboration with Pacific anthropologists & CICERO (Norway)
Climate change at Association for Social Anthropology in Oceania 02/09

Build on 07/08 Wellington meetings - Julia Becker, David Johnston, Neil Gordon
Focus on short-fuse events
ISAT proposal 03/09
Tsunami warning proposal to NOAA 5/09

Work with emergency managers, engineers, grad students on societal impacts of CASA
Develop new course modules that show engineering students social science research and methods

DELIVERABLES

Application of HWT products - "Communitarium"
Funding
Publications

Funding
Publications

Funding
Sustained international exchange & research program
NWC & NZ GNS

New collaborations Grad student projects
CASA funding through UCCS
Publications
SOCIAL SCIENCE WOVEN INTO METEOROLOGY (S S W I M) RESEARCH & CAPACITY BUILDING PROGRAM

LIVING ROADMAP May 2009  Dr. Eve Gruntfest & Heather Lazrus

**RESEARCH TOPICS**
- Work with Southern Climate Impacts Planning Program (SCIPP)
- Work with OU Center for Risk and Crisis Management
- Cascading Disasters along Continuum from Extreme Weather to Climate Change

**ACTIVITIES**
- Collaborate with Mark Shafer & his team
  - Cultivate regional projects on societal impacts of climate change
- Collaborate with Dan O’Hair, Gina Eosco & team
  - Network analysis and communications
- Part of multi-university team submitted NSF pre-proposal 12/08 (in massive revision)
  - National Research Council Disasters Roundable 02/09

**DELIVERABLES**
- Grad student partnerships
- Workshops
- Funding
- Grad student partnerships
- Project development
- Funding for cascading disasters framework
- New ways to inform climate change research
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RESEARCH TOPICS

SOCIAL SCIENCE FOR LIVING WITH FLOODS
NSF STC PROPOSAL

PROJECTS WITH INTERNATIONAL FLASH FLOOD LABORATORY

DELUGE: DISASTERS: EVOLVING LESSONS USING GLOBAL EXPERIENCE

ACTIVITIES

Collaboration with Witold Krajewski U of Iowa & others
NSF proposal for Science Technology Center 4/09
Iowa workshop 3/09

Host visit for Isabelle Ruin (NCAR) 9/08, Celine Lutoff (U of Grenoble) 3/09, 9/08
Mapping low level water crossings with NWS Springfield, MO, Texas State U

Collaborate with J.J. Gourley
Build societal impact metrics into field research
Board of HYmeX - Mediterranean 10 experiment
Coordinate with LT He Grenoble, France

DELIVERABLES

Funding (in review)
New partnerships
Publications

Funding
New collaborations
Grad student projects
Publications

Grad student/post doc funding
Post-event investigations
Publications
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**SERVICE RESEARCH & CAPACITY BUILDING**

"GO TO" GROUP OUTSIDE NWC
- Formal & informal advisors guiding incorporation of social science

"GO TO" GROUP INSIDE NWC
- Formal & informal advisors guiding incorporation of social science

FORMAL & INFORMAL PRESENCE IN NWC
- Actively participating in regular gatherings & hosting a regular and inclusive meetings

**ACTIVITIES**

AMS Board of Social Impacts
- Associate editor: J of Flood Risk Management
- Editorial Board: Weather, Climate, & Society
- UCAR Advisory Council for University Relations

Introduce qualitative & quantitative methods - including ethnographic, historical, content analysis, network analysis, statistical analysis, participatory mapping.

Student led SSWIM brownbags
- HWT brownbags
- Informal lunch meetings with NWC, OU & visiting scientists
- Chamber of Commerce & private sector relationships

**DELIVERABLES**

Social science funding
- Students, & research
- New courses
- SSWIM webpage

Social science funding, students, & research included as natural component of weather & climate work

Sustainably woven social science into the fabric of the weather & climate research & practice
SOCIAL SCIENCE WOVEN INTO METEOROLOGY (S S W I M) RESEARCH & CAPACITY BUILDING PROGRAM

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<table>
<thead>
<tr>
<th>SERVICE RESEARCH &amp; CAPACITY BUILDING</th>
<th>SOCIAL SCIENCE TRAINING</th>
<th>ASSURE SOCIAL SCIENCE IS WOVEN INTO NATIONAL WEATHER SERVICE</th>
<th>DEVELOP INTELLECTUAL CAPACITY OF WAS * IS (WEATHER &amp; SOCIETY * INTEGRATED STUDIES)</th>
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<tr>
<td>ACTIVITIES</td>
<td>COMET, HWT Advanced WAS *IS; NWS Warning Decision Training Branch Social science testbed concept/place &quot;communitarium&quot;</td>
<td>Co-sponsor - NexGen Warning workshop 12/08 AMS presentation 1/09 Warning Decision Training Branch classes COMET classes</td>
<td>Seek funds for WAS*IS courses for social scientists, hydrologists, and others More WAS *IS &amp; Advanced WAS * IS courses</td>
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<tr>
<td>DELIVERABLES</td>
<td>Funding for integrated work in NWC, NWS &amp; NOAA</td>
<td>Implementation of NOAA Social Science Working group recommendations New curriculum Funding</td>
<td>WAS<em>IS book proposal for Wiley Publishers WAS</em>IS Compendium</td>
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