



ACTIVITIES AND COLLABORATIONS **Social Science Woven into Meteorology SSWIM** activities as of May 2009

Presentations and briefings

- **Heather: Participant:** American Meteorological Society Policy Colloquium Washington DC June 2009
- **Heather: Invited social scientist** serving on National Weather Service Assessment Team following Mt. Redoubt Volcanic Eruption May 2009
- **Gina:** Toward a simple science: Comparing popular visual & verbal science messages in meteorology presented at International Communication Association meeting Chicago, IL May 2009
- **Eve: Invited presenter** – Integrating Social Science into Meteorology: Progress in Moving from WAS to IS with Evidence from Remarkable WAS * IS Voyages into a New World - NOAA ESRL-NCAR Seminar Series, Webinar Boulder, CO May 4, 2009
- **Heather: Invited keynote presenter** – The Intersection of Social Science & Meteorology National Press Club meeting, Norman, OK April 22, 2009
- **Heather: Invited presenter** – What is Science class presentation on adaptation to climate change – OU Campus April 9, 2009
- **Eve & Heather briefing** – Center for Risk and Crisis Management, March 29, 2009
- **Heather: Invited presenter** - Weather & Society Class – OU Campus March 26, 2009
- **Gina:** Studies in visual interpretation of complex forecast information. Invited talk at National Severe Storms Conference Norman, OK March 2009
- **Eve: Invited speaker** - What Weaving Social Science Into Hydrology & Meteorology Can Teach Us About Living with Floods - Living with Floods From Science to Policy, University of Iowa, Iowa City, IA March 10-12, 2009
- **Heather: Invited speaker** – MOLA (Meaning of Life Association) – meeting of meteorologists & social scientists, Norman March 9, 2009
- **Eve: Invited presenter** - Central Oklahoma Chapter of the American Meteorological Society, Norman February 26, 2009
- **Heather: Participant** – National Academies Roundtable on Cascading Disasters Irvine, CA February 26, 2009
- **Heather: Invited speaker** - National Weather Center National Severe Storms Laboratory speaker series Norman, OK February 24, 2009
- **Eve, Heather: Invited lecturers** - Warning Decision Training Branch Orientation course for new National Weather Service Employees Norman, OK ongoing – February 10, 24, March 10, 2009 – *15 minutes increased to 25 minutes*
- **Heather: Invited presentation** - Association for Social Anthropology in Oceania Santa Cruz, CA February 13, 2009
- **Heather: Speaker** - American Anthropological Association San Francisco, CA February 13, 2009

- **Eve: Organizer & invited speaker** Integrated Warning Team meeting hosted by National Weather Service Kansas City, MO January 21-23, 2009
- **Gina:** Communication, communication, communication: Message intent, consistency, & effectiveness Integrated Warning Team meeting hosted by National Weather Service Kansas City, MO January 21-23, 2009
- **Gina:** Weather visuals & the public: How do we help the public understand our visuals & (with others) Lessons learned: Evacuation management of Hurricane Gustav - American Meteorological Society meeting Phoenix, AZ January 2009
- **Eve: Invited speaker** - New initiatives that integrate social science & policy into weather & climate work - American Meteorological Society National Weather Service International Session January 9, 2009
Eve: Invited keynote speaker – Four State Regional Emergency Managers meeting, Branson, MO December 10, 2008
- **Eve: Invited keynote speaker** – Integrated Warning Team meeting hosted by National Weather Service Springfield, MO December 8, 2009
- **Gina:** Visual validity: How scientific intent translates through visuals to evoke public understanding of science & risk assessment & Visual literacy & complex science: Implications for risk communication - Society for Risk Analysis meeting Boston, MA December 2008
- **Eve, Gina: Invited speaker** – Next Generation Warning Workshop hosted by National Weather Service Norman, OK December 2, 2008
- **Eve: Invited speaker** -NWS Southern New England Weather Conference New Initiatives That Integrate Social Science into Meteorology, Boston, MA October 25, 2008
- **Eve: Invited speaker** NWS Great Divide Workshop New Initiatives that Integrate Social Science into Meteorology, Billings, MT October 9, 2008
- **Eve:** Electronic slide set sent to **Deirdre Jones**, NOAA Office of Science & Technology, September 25, 2008
- **Eve, Gina: Invited presenters** - Introductory Meteorology class at OU September 29, 2009
- **Eve:** Electronic slide set sent to **Maureen Wylie**, Chief Financial Officer, at NOAA September 23, 2008
- **Heather: Invited participant** - Science & the Public Series, “Climate Change is Global: What Can We Do?” - University of Wisconsin Holtz Center for Science & Technology Studies Madison, WI September 18, 2008
- **Eve: Invited speaker** - Norman Chamber of Commerce September 16, 2008
- **Eve: Invited keynote** – High Plains National Weather Service conference Hays KS September 4, 2008
- **Gina:** A brief summary: A study on visual communication, cyclones, cones, & confusion. Invited talk American Meteorological Society’s Summer Community Meeting Boulder, CO August 2008
- **Gina:** Overview of in-depth interviews - Weather & Society*Integrated Studies (WAS * IS) workshop Boulder, CO August 2008
- **Heather: Invited participant** - United Nations University Environment &

- Human Security Institute Summer Academy on Social Vulnerability - Hohenkammer, Germany July 26-August 3, 2008, July-August 2008

Workshop & meeting participation & co-sponsorship

- Planning with **J.J. Gourley** & others to bring behavioral questions on flash floods to the Severe Hazards Analysis & Verification Experiment (SHAVE) program
- **Flash Flood Risk Analysis Project** – Interdisciplinary & interagency – (with **Isabelle Ruin** NCAR & **Andy Foster** NWS Springfield) mapping – observation & monitoring protocols of daily risky travel patterns including mapping low water crossings
- **Host: Celine Lutoff** – Spatio-temporal approach for understanding social adaptation during flash floods presentation & research planning discussions from University of Grenoble March 31, 2009
- **Weekly participation** in Hazardous Weather Testbed brownbag lunches
- **Heather: Invited moderator** – Climate Prediction Application Science Workshop Norman, OK March 24-27, 2009
- **Heather: Invited Session Chair:** Severe Weather Workshop March 7-9, 2009 Norman, OK
- **Summit organized & cohosted with K-20 Center:** Consideration of Future Weather Workforce - following up from Advanced WAS * IS -- **Quyen Arana** bringing educators into the work of weather & climate researchers & practitioners Norman, OK (40 attendees) December 4, 2008
- **Workshop:** Co-sponsor with National Weather Service & **John Ferree** December 2-4 Next Generation Warning Services Workshop in Norman, OK. Invited potential graduate student, Monica Zappa
- **Workshop:** Proposed, received NOAA funding (\$15k) & hosted Advanced WAS * IS with Hazardous Weather Testbed (50 attendees) September 15-17, 2008
- **Host:** presentation – NCAR Post Doc Isabelle Ruin September 17, 2008 (with Summer Policy Colloquium Group) - Appreciating Geographic & Temporal Scales in Flash Flood Research (standing room only crowd)

Proposal activity

- ISAT proposal with New Zealand Institute of Geological & Nuclear Sciences for visiting scientist funds, submitted April 2009

- Included in proposal for NSF Science & Technology Center with **Witold Krajewski**, University of Iowa “Living with Floods” April 2009 \$305,000 over 5 years (in review)
- Proposal submitted to NOAA Tsunami **Integrating Social Science into Tsunami Research & Mitigation** Program – May 2009 \$350,000 over 3 years (in review)
- Developing project with NSSL’s **J.J. Gourley** related to flash flooding & weaving hydrology into meteorology along with social science
- Proposals in preparation with Dr. Ilan Kelman of the Many Strong Voices program at CICERO, Norway
 - to the World Bank Development Marketplace for \$200,000 toward development of climate adaptation project in Tuvalu
 - to Norwegian Government for island vulnerability to climate change research.
- Developing follow-up work with **Steve Koch** & NOAA Central Regional Team – possible funding for hydro-socio-meteo work in Hazardous Weather Testbed
- Prepared two short “white papers” in response to call for University of Oklahoma National Economic Stimulus Initiative, “Weather & Climate Management System” with **Mark Shafer** & “DELUGE: Disasters: Evolving Lessons Using Global Experience” Submitted to Vice President for Research February 2009
- Included in pre-proposal for Science & Technology Center with OU School of Meteorology Professor **Mike Richman** & others on “Center for Prediction & Analysis of Cascading Events (PACE)” September – December, 2008 (not recommended – work on new proposal continues)
- Met with **Mark Yeary** from OU Electrical Engineering to plan ways to bring societal impacts into radar program, possibly fund graduate student to help develop modules for physical science & engineering courses showing benefits of quantitative & qualitative methods
- Met to develop IGERT pre-proposal with **Jeff Kelly** OU Zoology & other departments (no longer being proposed)
- Served as major contributor to proposal submitted November 2008 to NATO for Advanced Research Workshop for DELUGE (Disasters: Evolving Lessons Using Global Experience) meeting to be held in Grenoble, France, (denied)

Dr. Eve Gruntfest serves as

- Chair of Board on Societal Impacts, American Meteorological Society
- Invited member of international steering committee for HYMEX (Hydrological Cycle in the Mediterranean Experiment) Boulder meeting, October 29, 2008
- Member of President's Advisory Council on University Relations at UCAR
- Associate editor of *Journal of Flood Risk Management* London meeting January 26, 2009, September 16, 2009
- Member of Editorial Board for AMS journal *Weather, Climate & Society*
- Provided detailed comments submitted on the Social Science Working Group report to the NOAA Science Advisory Board December 20, 2008

Graduate student mentor

Rachel Butterworth OU Interdisciplinary Masters
Somer Erickson OU Interdisciplinary Ph.D.
Julie Malmberg U of Colorado Geography Ph.D.
Randy Peppler OU Geography Ph.D.

Recent graduates: Isabelle Ruin Geography Ph.D. U. of Grenoble France (2007)
& **Cedar League** Geography M.A. U. of Colorado at Colorado Springs (2009)

Other meetings held to develop collaborations

- **Jacqui Wilmshurst** discussing long term plans for collaboration on risk perception, communication and behavior
- **Konstantin Tovstiadi** considering collaborative information networks
- **Claude Duchon** collaborative research with meteorological data from Heather's Tuvalu field site
- **Deke Arndt** considering outreach possibilities
- **Pam Heinselman** assisting with grant proposal collaboration
- **Daphne LaDue** assisting with potential career opportunities & REU planning
- **Dan O'Hair** considering collaborations with Communication & Center for Risk Analysis
- **Mark Shafer** discussing collaborations & setting stage for Weather & Climate conference & sustainable activities with SCIPP
- **Carol Silva and Hank Jenkins-Smith** discussing collaborations with Political Science & Center for Applied Social Research
- **Keli Tarp** considering NOAA Public Relations
- **May Yuan** discussing collaborations with Center for Spatial Analysis