Tuesday, March 21, 2006

7:30 – 8:30 am  Continental Breakfast

8:30 – 9:00 am  Introduction
Logistics
Introductory Remarks
Robert Livezey, NOAA/NWS Climate Services

9:00 – 10:00 am  Stakeholder Engagement 1

9:00 am  Environmental and Resource Availability Effects on Agricultural Use of Climate Forecasts in Eastern Nebraska
Q. Steve Hu, University of Nebraska-Lincoln

9:20 am  Assessment of Probabilistic Forecasts Using Field Surveys of Resource Management Professionals: Preliminary Results
Holly Hartmann, University of Arizona
Niina Haas, University of Arizona

9:40 am  The Current Climate in Fire and Land Management
Tim Brown, Desert Research Institute

10:00 – 10:30 am  Break (snacks provided)

10:30 – 11:50 am  Stakeholder Engagement 2

10:30 am  Lessons Learned: Integrating Climate and Forecast Information into Fire Management Planning in the Western United States
Anthony Westerling, Scripps Institution of Oceanography

10:50 am  Understanding Group Participation in Climate Forecast Use
Nicole Peterson, Columbia University

11:10 am  Understanding How Meanings Get Transformed in the Dissemination of Climate Information - the Case of Northeast Brazil
Renzo Taddei, Columbia University
11:30 am  The Role of Scientists in Public Policy Decisions: The Case of Drought Planning  
Mark Shafer, Oklahoma Climatological Survey

11:50 – 1:30 pm  Lunch (food provided)

1:30 – 3:30 pm  Climate Products

1:30 pm  New Climate Divisions for Monitoring and Predicting Climate in the U.S.  
Klaus Wolter, NOAA – ESRL

1:50 pm  Daily Station Extremes of Temperature and Precipitation for U.S. Local Climatology Network Stations  
Tim Owen, NOAA / National Climatic Data Center

2:10 pm  A drought Monitoring and Early Warning System for the United States  
Kingtse Mo, Climate Prediction Center / NCEP / NWS

2:30 pm  The Climate Information Digest: A Monthly Web-Based Publication of Recent Climate  
Michael A. Bell, International Research Institute for Climate and Society

2:50 – 3:10 pm  Break (snacks provided)

3:10 pm  The Westmap Project  
Kelly Redmond, Western Regional Climate Center

3:30 pm – 4:45 pm  PANEL: NOAA Climate Prediction Services Team

4:45pm – 7:00pm  Poster & Icebreaker

7:00pm  Dinner (food provided)
Wednesday, March 22, 2006

7:30 – 8:30 am  Continental Breakfast

8:30 – 9:50 am  Climate-Health/Air Quality 1

8:30 am  Air Quality Extreme Events and Projected Trends for the Southwestern United States  
Erika Wise, University of Arizona

8:50 am  Regional Variability of Ozone in the Northeast United States and Associated Circulation Anomalies and Climate Teleconnections  
David Brown, University of New Hampshire

9:10 am  Air Quality and the Demand for Health Services in New Hampshire  
Aichatou Hassane, University of New Hampshire

9:50 am – 10:20 am  Break (snacks provided)

10:20 – 12:00 pm  Climate Science/Services

10:20 am  Emergence of a Pacific Climate Information System (PaCIS)  
Eileen Shea, East-West Center & NOAA IDEA Center

10:40 am  Climate Information, Data Logistics, and the Enhancement of Decision Systems  
Chester Ropelewski, Columbia University

11:00 am  Developing a National Agroclimate Information Service in Canada  
Alan Howard, National Agroclimate Information Service

11:20 AM  From Climate Variability to Climate Change: Challenges and Opportunities to Extension  
Clyde Fraisse, University of Florida

11:40 AM  Home on the Range: Exploring and Assessing Climate Science Needs within Range Management  
Mike Crimmins, University of Arizona

12:00pm – 1:30pm  Lunch (food provided)

1:30 pm – 2:45pm  PANEL: Drought

2:45 – 3:15 pm  Break (snacks provided)

3:15 pm – 5:15pm  Climate Forecasts & Applications

3:15pm  Issues for Use of Climate Models to Inform Policymakers, Assess Impacts, and Develop Adaptive Strategies  
Robert Livesey, NOAA
<table>
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| 3:35 pm| Exploring Changes in the Dependability of Seasonal Climate Forecasts Due to Spatial and Temporal Downscaling  
        \textit{Jeanne Schneider, USDA ARS Grazinglands Research Laboratory} |
| 3:55 pm| Experimental monthly to seasonal ensemble fire danger forecasts  
        \textit{John Roads, University of California, San Diego}            |
| 4:15 pm| Quantifying Impact of Uncertainty in the Simulated Crop Yield and Climate Forecast on Prescribed Decision Making  
        \textit{Shrikant Jagtap, University of Florida}                   |
| 4:35 pm| JMA ENSO Index and Thermal Time Accumulation  
        \textit{John Bellow, COAPS, Florida State University}             |
| 4:55 pm| Seasonal Climate and Crop-specific Outlooks Available on  
        \textit{AgClimate.org}  
        \textit{David Zierdan, COAPS, Florida State University}           |
| 5:15 – 6:00 pm | Break                                                               |
| 6:00 – 9:00 pm | Banquet Dinner                                                      |
| 7:00 pm  | Banquet talk                                                        |
Thursday, March 23, 2006

7:30 am – 8:30 am  Continental Breakfast

8:30 am – 9:50 am  Water Management 1

8:30 am  Emerging Water Management Challenges in the Lower Colorado River Basin: Climate, Modeling Assumptions, and Uncertainty  
*Dustin Garrick, University of Arizona*

8:50 am  Water Shortage Sharing Agreements: An Application for Climate Prediction  
*Bonnie Colby, University of Arizona*

9:10 am  Deciding on Drought Triggers in the FERC Dam Relicensing Process  
*Greg Carbone, University of South Carolina*

9:30 am  Assessment of the Utility of Climate Information for Large Front Range Water Providers in Colorado  
*Andrea Ray, NOAA Earth Systems Research Lab*

9:50 – 10:20 am  Break (snacks provided)

10:20 am – 12:00 pm  Water Management 2

10:20 am  Be Careful of What You Wish For… Climate-Responsive Water Management from the Ground Up Goes Big-Time?  
*John Wiener, University of Colorado*

10:40 am  Integrated Forecast and Reservoir Management in Northern California – The INFORM Project  
*Elyon Shamir, Hydrologic Research Center*

11:00 am  Incorporating climate variability uncertainty in water resources planning for the upper Santa Cruz River.  
*Elyon Shamir, Hydrologic Research Center*

11:20 am  An Operational Database For Low Flow Forecasting in the NWS  
*Doug Kluck, National Weather Service*

11:40 am  Update on West Wide Hydrologic Forecasting at the University of Washington  
*Alan Hamlet, University of Washington*

12:00 pm – 1:30 pm  Lunch (food provided)

1:30 pm – 3:00 pm  PANEL: Water Resources Management & Climate Science

3:00 pm – 3:30 pm  Break (snacks provided)
3:30 pm – 3:50 pm  Long-Range Hydropower Forecasts for the Columbia River, Colorado River, and Sacramento/San Joaquin Systems  
Alan Hamlet, University of Washington

3:50 pm – 4:10 pm  Workshop Evaluation

4:10 pm – 5:15 pm  Climate-Health/Air Quality 2

4:10 pm  Climate and Health: Basic Science and Decision Support for Valley Fever  
Andrew Comrie, University of Arizona

4:30 pm  Climate Information Resources for the Malaria Control Community  
Emily Grover-Kopec, International Research Institute for Climate and Society

4:50 pm  Progress in Developing a Climate Based Malaria Early Warning System in Sri Lanka  
Lareef Zubair, International Research Institute for Climate and Society

5:15 pm  Dinner (food provided)
Friday, March 24, 2006

7:30 am – 8:30 am  Continental Breakfast

8:30 am – 9:50 am  Economics/Forecast Value

8:30 am  Estimating The Value of El Niño Forecasts for Panama Canal Operations
Nicholas Graham, Hydrologic Research Center / Scripps Institute Oceanography

8:50 am  Industry Uses and the Economic Value of Air Quality Information and Forecasts: An Exploratory Inquiry
Ross Gittell, University of New Hampshire

9:10 am  Snow Days: Using Climate Forecasts to Better Manage Climate Variability in the Ski Industry
Rosalind Bark, University of Arizona

9:30 am  Crop Insurance and Climate Information: Synergies and Conflicts of Interest Between Farmer and Insurer
Victor Cabrera, University of Miami

9:50 am – 10:20 am  Break (snacks provided)

9:50 am – 11:45 am  PANEL: Decision Making, Partnerships, & Stakeholders

11:45 – 12:00 pm  Concluding Remarks

12:00 pm  Adjourn
Poster Presentations

**ENSO, PNA and NAO Scenarios for Extreme Storminess, Rainfall, and Temperature Variability During the Florida Dry Season: Challenges of Communicating Uncertainty to Decision Makers**
Bart Hagemeyer, NOAA / NWS

**Demonstrating a Methodology for Incorporating Climate Information in a Lower Colorado River Basin Operations Model**
Laura Lindenmayer, University of Arizona

**Assessing Sand Dune Mobility Potential for the Coalmine Mesa Chapter area of the Navajo Nation**
Casey Thornbrugh, University of Arizona

**GENFLOW: A Software System for Science-Based Water Resources Planning for the Upper Santa Cruz River**
Eylon Shamir

**Western Water Assessment's Climate Affairs Program**
Jessica Lowrey, University of Colorado

**Drought Triggers Methodology (Wyoming)**
Jan Curtis, NRCS / National Water and Climate Center

**Spatial Inhomogeneities in Winter Precipitation Anomalies in the Southwestern**
James Tamerius, University of Arizona

**Climate Information Delivery and Decision Support System**
Holly Hartmann, University of Arizona

**Enhancing Climate Services in the National Weather Service**
Andrea Bair, National Weather Service

**NOAA’s Climate Test Bed; Engaging Applications and User Communities**
Mel Gelman, NOAA Climate Prediction Center

**Southwest Climate Change Web Portal**
Ben Crawford, University of Arizona

**Binational Cooperation on a Climate Product for the U.S.-Mexico Border Region**
Gregg Garfin, University of Arizona
Applications of Monsoon Research: Opportunities to Inform Decision-Making and Reduce Regional Vulnerability
Andrea J. Ray (1), Gregg M. Garfin (2), Margaret Wilder (3), Marcela Vásquez-León (4), Melanie Lenart (2), and Andrew C. Comrie (5), 1 – NOAA Earth Systems Research Lab, 2-5 – University of Arizona