The Future of Water in California: Integrating Climate, Water, and Policy
April 8-9, 2013
UC Center Sacramento

Monday, April 8th

8:30 - 9:00  Coffee and bagels
9:00-9:05  Welcome and Introduction: Graham Fogg, Professor of Hydrogeology, UC Davis
9:10-10:10  Flash talks
  9:10-9:20  Daniel Cayan, Director, Climate Research Division, Scripps Institute; Researcher, USGS
  9:20-9:30  Jeffrey Mount, Saracino and Mount, LLC
  9:30-9:40  John Andrew, Assistant Deputy Director, California Department of Water Resources
  9:40-9:50  Linda Prokopy, Associate Professor of Natural Resources Planning, Purdue University
  9:50-10:10  Q&A

10:15-10:50  Morning Keynote Address: Phil Isenberg, Chairman, Delta Stewardship Council
11:05-12:15  Panel Discussion: Integrating science, management, and policy: finding the disconnects
Addressing future water availability under climate change must be comprehensive and multidisciplinary, requiring efficient conduits through which useful information passes between scientists, managers, and policymakers. Promoting this synergism will better facilitate effective adaptation strategies in an uncertain future. Integrating science, management, and policy: finding the disconnects aims to identify the information necessary for improved connections, the appropriate tools and forms of that information, and highlight effective mechanisms that promote reciprocal exchange between scientists, managers, and policymakers.

Panelists
Andrew Altevogt, Assistant Executive Officer, Central Valley Water Board
Lauren Hastings, Deputy Executive Officer, Delta Science Program
Hank Jenkins-Smith, Associate Director, Center for Applied Social Research
Jay Lund, Director, Center for Watershed Sciences, UC Davis
David Purkey, Senior Scientist, Stockholm Environment Institute

12:15-1:15  Catered Lunch
12:40-1:15  Afternoon Keynote Address: Benjamin Santer, Research Scientist, Lawrence Livermore National Lab
1:20-2:30  Panel Discussion: Modeling the future: integrating across scientific disciplines
Atmospheric, hydrological, and human processes interact through multiple feedbacks and across scales. Modeling the Future: Integrating Across Scientific Disciplines seeks to highlight the state of the art in modelling this complex system while identifying unresolved issues. Model uncertainty and integration of human decision making into existing modelling efforts and frameworks will be explored. We will highlight the current challenges to our understanding of the key hydroclimatic processes, and discuss innovative integration schemes to address disconnects across fields to provide a holistic modelling perspective.

Panelists
John Bolte, Professor of Biological and Ecological Engineering, Oregon State University
Daniel Cayan, Director, Climate Research Division, Scripps Institute; Researcher, USGS
Lorraine Flint, Research Hydrologist, United States Geological Survey
Ruby Leung, Climate Physics Laboratory Fellow, Pacific Northwest National Laboratory
Richard Howitt, Agricultural and Resource Economist, UC Davis
Reed Maxwell, Director, Integrated GroundWater Modeling Center, Colorado School of Mines
Panel Discussion: Integrating California water management across scales and institutions

Managers and policy-makers face growing challenges in adapting physical and social systems to allocate an increasingly tight and variable supply of water to meet environmental, agricultural, and urban needs. Climate change promises to exasperate these challenges. Integrating California water management across scales and institutions will explore how science, economic policy, and collaborative models offer opportunities to improve water management. The panelists will also discuss how to manage for resilience to unexpected variability, and how to promote cooperation across institutions, political boundaries, and scales.

Panelists
Celeste Cantú, General Manager, Santa Ana Watershed Project Authority
Kamyar Guivetchi, Manager, Statewide Integrated Water Management, California Dept. of Water Resources
Ellen Hanak, Co-Director of Research, Senior Fellow, Public Policy Institute of California
Elizabeth Martin, C.E.O., The Sierra Fund
Tim Quinn, Executive Director, Association of California Water Agencies
Samuel Sandoval Solis, Assistant Professor of Water Resources, UC Davis

4:00-5:00 Posters and Reception

Tuesday, April 9th

9:00 - 9:20 World Cafe Introduction: Jeff Loux, Director, Land Use and Natural Resource Program, UC Davis

9:20 - 11:20 World Cafe Roundtable
Table 1, James Farlin: Decision-making under changing ecohydrologic paradigms
Table 2, Eric Kent & Nicolas Bambach: Land-surface processes
Table 3, Michael Levy: Improving representation of decision-making in hydrologic models
Table 4, Derek Nixon: Economic solutions to scarce water resource allocation
Table 5, Al Rhoaades: Utilizing regional models to effectively address hydroclimate issues
Table 6, Alison Whipple: Identifying the scientific tools to facilitate management and planning

11:30 - 12:00 Concluding Remarks: Jay Lund, Director, Center for Watershed Sciences, UC Davis