



# 2017 ANNUAL STATE CONFERENCE

FRIDAY, APRIL 7, 2017 \* EMBASSY SUITES HOTEL \* OKLAHOMA CITY, OK

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## AGENDA

**7:30 A.M. Registration & Continental Breakfast**

**OPENING SESSION** (Ballroom C/D)

**8:20 A.M. Welcoming Remarks**

Ray Huhnke, Project Director & PI, Oklahoma NSF EPSCoR

**OBSERVING SOCIAL SYSTEMS IN A CHANGING CLIMATE** (Ballroom C/D)

*Session Chair: Hank Jenkins-Smith, Co-Director, National Institute for Risk & Resilience, OU*

**8:30 A.M. America's Two Climate Changes**

Dan M. Kahan, Professor of Law & Professor of Psychology, Yale Law School

**9:10 A.M. Signals, Noise, and Recognition of Changing Weather Patterns in Oklahoma**

Hank Jenkins-Smith, Co-Director, National Institute for Risk & Resilience, OU  
Joe Ripberger, Deputy Director for Research, Center for Risk & Crisis Management, OU  
Carol Silva, Director, Center for Risk & Crisis Management, OU

**OBSERVING ECOLOGICAL SYSTEMS IN A CHANGING CLIMATE** (Ballroom C/D)

*Session Chair: Renee McPherson, Assoc. Professor, Dept. of Geography & Environmental Sustainability, OU*

**9:30 A.M. Is Climate Change Forcing a Reinvention of Conservation?**

Stephen T. Jackson, Director, Dept. of the Interior Southwest Climate Science Center, U.S. Geological Survey; Professor, Dept. of Geosciences & Institute of the Environment, University of Arizona

**10:10 A.M. Measuring and Monitoring Biodiversity in a Changing World**

Ron Bonett, Assoc. Professor, Dept. of Biological Science, TU

**10:30 A.M. Break (15 minutes)**

**OBSERVING ECOLOGICAL SYSTEMS IN A CHANGING CLIMATE** (Ballroom C/D)

*Session Chair: Tyson Ochsner, Assoc. Professor, Dept. of Plant & Soil Sciences, OSU*

**10:45 A.M. From the Market to the Field: The Impact of Agricultural and Energy Linkages on Farmers' Choices**

Silvia Secchi, Assoc. Professor, Dept. of Geography & Environmental Resources; Director, Environmental Resources & Policy Ph.D. Program, Southern Illinois University

**11:25 A.M. Urban Forests: Interactions Between Human Decision-Making, Climate, and Landscape Function**

Heather McCarthy, Asst. Professor, Dept. of Microbiology & Plant Biology, OU

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## SOCIO-ECOLOGICAL DECISION SUPPORT IN A CHANGING CLIMATE (Ballroom C/D)

*Session Chair: Tyson Ochsner, Assoc. Professor, Dept. of Plant & Soil Sciences, OSU*

**11:45 A.M. Measuring and Predicting Drought in Oklahoma: A Decision-Support and Educational Model**

Jad Ziolkowska, Asst. Professor, Dept. of Geography & Environmental Sustainability, OU

## LUNCHEON AND AFTERNOON POSTER SESSION

**12:10 P.M. Luncheon** (Included for all Registered Guests; Ballroom A/B)

**Presentation: Update on EPSCoR Programs**

Jerry Malayer, State Director, Oklahoma EPSCoR

**1:20 P.M. Poster Session and Judging** (Courtyard & Preconvene)

**2:20 P.M. Break** (10 Minutes)

## HUMAN-NATURAL SYSTEMS INTEGRATIVE MODELING (Ballroom C/D)

*Session Chair: Tracy Boyer, Assoc. Professor, Dept. of Agricultural Economics, OSU*

**2:30 P.M. Agent-Based Models of Complex Socio-Ecological Systems: Deforestation, Household Vulnerability and Road-Building the Southwest Amazon**

Gregory A. Kiker, Assoc. Professor & Graduate Coordinator,  
Dept. of Agricultural & Biological Engineering, University of Florida

**3:10 P.M. Modeling the Relationship Between Climate, Domestic Water Use, and Vegetation**

Jennifer Koch, Asst. Professor, Dept. of Geography & Environmental Sustainability, OU

**3:30 P.M. Simulating the Impacts of Social Coordination on Groundwater Sustainability and Agricultural Resilience**

Phil Alderman, Asst. Professor, Dept. of Plant & Soil Sciences, OSU

**3:50 P.M. Break** (15 minutes)

## BROADER IMPACTS (Ballroom C/D)

*Session Chair: Ray Huhnke, Project Director & PI, Oklahoma NSF EPSCoR, OSU*

**4:05 P.M. Oklahoma Ecological Observatory: Its Contribution to the NASA GeoCarb Mission**

Xiangming Xiao, Professor, Center for Spatial Analysis, OU

**4:25 P.M. OneOklahoma Cyberinfrastructure Initiative**

Dana Brunson, Director, High Performance Computing Center; Asst. Vice President for Research Cyberinfrastructure, OSU

Henry Neeman, Director, Supercomputing Center for Education and Research; Asst. Vice President, IT-Research Strategy Advisor, OU

**4:45 P.M. Presentation of Poster Session Awards** (Ballroom C/D)

**5:00 P.M. Adjourn**

