


Feb 2nd, 8:00 AM - 5:00 PM

Annual state NSF EPSCoR climate change conference agenda

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AGENDA

ANNUAL STATE NSF EPSCoR

CLIMATE CHANGE CONFERENCE

8:00 am – 5:00 pm – Tuesday, February 2, 2010

Stan Fulton Building, Ballroom, University of Las Vegas, Nevada

Meeting Objective: Share research progress and findings of the NSF EPSCoR Climate Change Project

Attendees: Faculty, Postdocs, Graduate Students, and other participants of Nevada's NSF EPSCoR Climate Change Project.

8:00 am Greetings

Coffee and light breakfast (on site)

8:15 am Welcome and Introductory Remarks Gayle Dana (Nevada NSF EPSCoR Project Director)

Agenda Review

Major NSF EPSCoR Climate Change Project Milestones

New NSF EPSCoR Cyberinfrastructure Project – Synergies with Climate Change Project

8:30 am Session 1: Education Convener: David Hassenzahl (UNLV)

8:30 – 8:40 am *Climate Change Education for Nevada – David Hassenzahl (UNLV)*

8:40 – 8:50 am *Planning for the Future of Climate Change in Higher Education – Shama Perveen (UNLV) and Amy Northrup (UNLV)*

8:50 – 8:55 am *Graduate Fellowship Program in Climate Change – Mike Collopy (UNR)*

8:55 – 9:05 am *Undergraduate Climate Change Research Opportunities – Mike Collopy (UNR)*

9:05 – 9:15 am *Climate Change Education for Nevada 6th and 7th Grade Earth Science Teachers – Paul Buck (DRI) and Jacque Ewing-Taylor (UNR)*

9:15 – 9:30 am *Questions and Answers*

9:30 am Break & Refreshments

Research posters available for viewing



10:00 am Session 2: Cyberinfrastructure Convener: Sergiu Dascalu (UNR)

- 10:00 – 10:10 am *Goals, Plans, and Strategies of the Cyberinfrastructure Project Component* – Sergiu Dascalu (UNR)
- 10:10 – 10:20 am *Survey of Environmental Data Portals: Features, Characteristics, and Reliability Issues* – Shahram Latifi (UNLV)
- 10:20 – 10:30 am *Architecture and Usability Aspects of Environmental Data Portals* – Michael McMahon, Jr. (UNR)
- 10:30 – 10:40 am *Design of a Software Framework Prototype for Scientific Model Interoperability* – Eric Fritzinger (UNR)
- 10:40 – 10:50 am *Networking and Computing Infrastructure in Nevada: Current Status and Future Developments* – Fred Harris (UNR)
- 10:50 – 11:00 am *Round Table on Cyberinfrastructure: Progress So Far and the Road Ahead* - Moderator – Sergiu Dascalu (UNR)

11:00 am Session 3: Policy, Decision Making, and Outreach Convener: William Smith (UNLV)

- 11:00 – 11:05 am *Introduction* – William Smith (UNLV)
- 11:05 – 11:15 am *Non-Governmental Organization (NGO) and Government Stakeholders* – Derek Kauneckis (UNR) and Orion Cuffe (UNR)
- 11:15 – 11:25 am *Business Stakeholders* – Mary Riddel (UNLV) and Alan Sanders (UNLV)
- 11:25 – 11:35 am *A role for Informal Educational Institutions and University System-based Surveys* – Jenna Zulauf (UNLV) and Robert Futrell (UNLV)
- 11:35 – 11:45 am *Native Americans and Ranchers (rural Nevada)* – Karletta Chief (DRI), Ahmad Safi (UNLV), Zhongwei Liu (UNLV), and William Smith (UNLV)
- 11:45 – 11:55 am *Geovisualization of Ecological Data for Park Policy Support* – Scott Abella (UNLV), Haroon Stephen (UNLV), and Ross Guida (UNLV)
- 11:55 – 12:00 pm *Questions and Answers*

12:00 pm Lunch (provided onsite)

Lunchtime talk: *CNN is on the Phone – What Now? Developing Effective Strategies for Communicating Your Research* – Sue DiBella (UNLV)

Research posters available for viewing



1:00 pm Session 4: Ecological Change and Water Resources Conveners: Franco Biondi (UNR) and Michael Young (DRI)

- 1:00 – 1:15 pm *Background, Goals, and Major Milestones* – Michael Young (DRI), Franco Biondi (UNR), and Jay Arnone (DRI)
- 1:15 – 1:35 pm *Biotic Responses to Climate Change in the Great Basin and Mojave Deserts: Vegetation* – David Charlet (CSN) and Patrick Leary (CSN)
- 1:35 – 1:50 pm *Design and Status of the Elevational Transect and Monitoring Systems for Nevada’s NSF EPSCoR Climate Change Research Program* – Brian Bird (UNLV), Scotty Strachan (UNR), Dave Simeral (DRI) and Richard Jasoni (DRI)
- 1:50 – 2:05 pm *Modification of Snow Albedo by Aerosol Deposition* – Hans Moosmüller (DRI) and Dave Dubois (DRI)
- 2:05 – 2:20 pm *Water Source Partitioning for Shrubland Transpiration using Innovative Field Methods* – Dale Devitt (UNLV), Michael Young (DRI), Matt Lachniet (UNLV), Jeremy Koonce (UNLV), Amanda Wagner (UNLV), and Brian Bird (UNLV)
- 2:20 – 2:30 pm *The Waterfall Fire Interpretative Trail: A Summer Community College Fellowship* – Mike Sady (WNC), Jay Arnone (DRI), Ann Bollinger (Carson City Open Space), Alice Sady (WNC), and Mike Sady (WNC)

2:30 pm Session 5: Climate Modeling Convener: Darko Koracin (DRI)

- 2:30 – 2:40 pm *Dynamical and Statistical Regional Climate Modeling Downscaling* – Darko Koracin (DRI)
- 2:40 – 2:55 pm *Regional Climate Modeling Methodological and Experimental Designs* – John Mejia (DRI)
- 2:55 – 3:10 pm *The Scaling Impact of Hydrologic Processes on the Integrated Response in large River Basins* – Zhongbo Yu (UNLV)
- 3:10 – 3:25 pm *Local Land Use Scenario Formulation using the IPCC SRES Climate Change Scenarios within Nevada* – Scott Bassett (UNR)
- 3:25 – 3:30 pm *Questions and Answers*

3:30 pm Break & Refreshments

Research posters available for viewing



4:00 pm Session 6: Bridging the Gap – Interdisciplinary Science to Connect Biophysical and Social Dimensions of Climate Change

Convener: Nick Lancaster (DRI)

4:00 – 4:05 pm *Introduction* – Nick Lancaster (DRI)

4:05 – 4:25 pm *Losing the Lake: Designing an Educational Computer Game on Water Resources in Southern Nevada* – Michael Nussbaum (UNLV), Gale Sinatra (UNLV), Fred Harris (UNR), Sergiu Dascalu (UNR), Sajjad Ahmad (UNLV), Kent Crippen (UNLV), and Marissa Owens (UNLV)

4:25 – 4:45 pm *Understanding the Impact of Climate Change Media Messages* – Susanna Priest (UNLV)

4:45 pm Upcoming Project Events and Announcements Gayle Dana (NV NSF EPSCoR Project Director)

5:00 pm Thank You and Adjourn
