

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

Annual state NSF EPSCoR climate change conference agenda

, "Annual state NSF EPSCoR climate change conference agenda" (February 2, 2010). *2010 Annual Nevada NSF EPSCoR Climate Change Conference*. Paper 2.

<http://digitalcommons.library.unlv.edu/epscor/2010/feb02/2>

This Event is brought to you for free and open access by the Conferences/Meetings (NNE) at University Libraries. It has been accepted for inclusion in 2010 Annual Nevada NSF EPSCoR Climate Change Conference by an authorized administrator of University Libraries. For more information, please contact marianne.buehler@unlv.edu.



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
