



Western Consortium of Idaho, Nevada, and New Mexico

Plans for Sustaining Collaborations

Bill Michener – New Mexico Project Director

Gayle Dana – Nevada Project Director

Peter Goodwin – Idaho Project Director

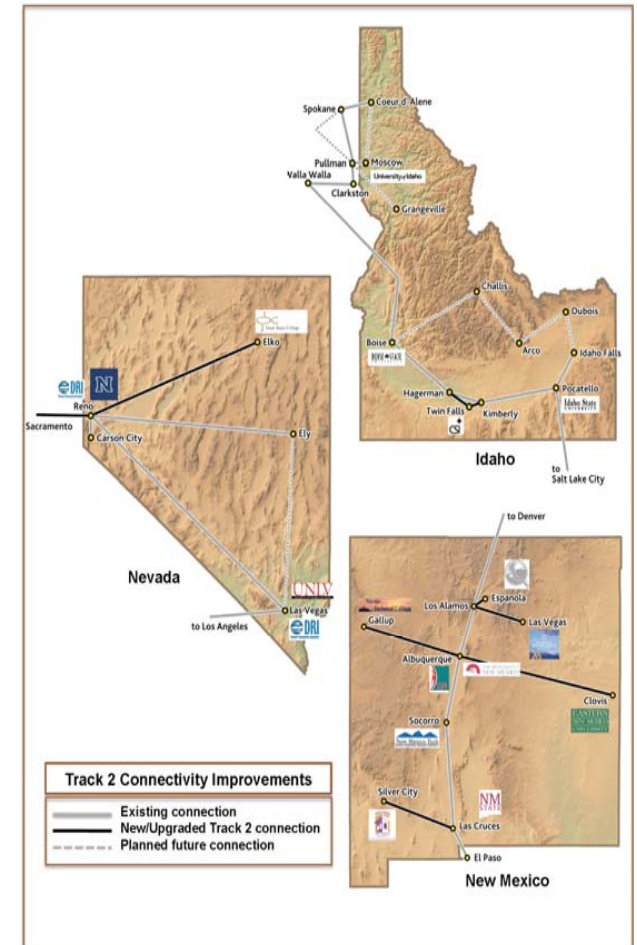
Topics

- Sustaining Current Collaborations
- Building New Collaborations



Track 2 Cyberinfrastructure

- Connectivity improvements and gateways – maintained by states and universities
- Data interoperability and preservation – Idaho's Northern Knowledge Network and New Mexico's Earth Data Analysis Center (Resource Geographic Information System) to be added as DataONE Member Nodes in 2012
- CUAHSI – all three states now actively participate
- Data portals for all three states have adopted common community standards enhancing their longevity and increasing their interoperability



Track 2 Education

- Interdisciplinary modeling course – business model developed for perpetuating the course
- K-12 cyber-learning realm – connecting New Mexico GUTS agent-based modeling effort with Nevada curriculum models
- Connecting MOSS curricula with Nevada curriculum model and New Mexico GUTS computational modeling program

Track 1 & 2 Collaborations

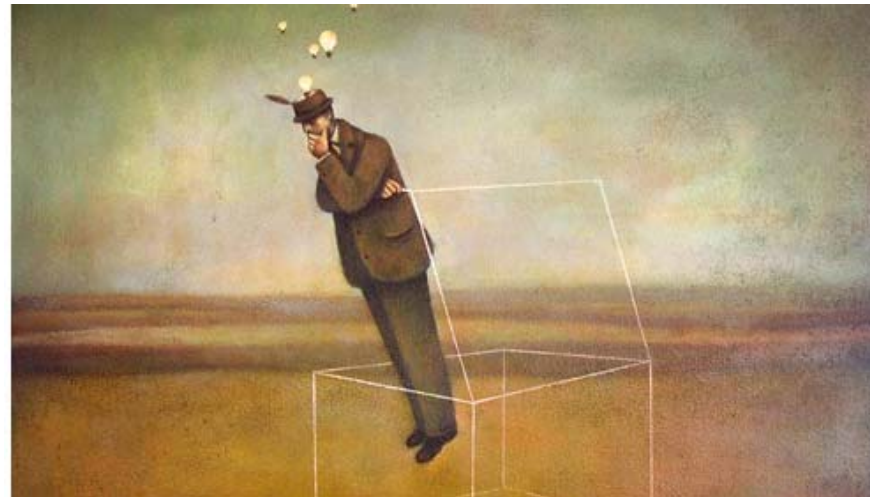
- Faculty leadership program – all three states now participate in New Mexico's Faculty Leadership Program
- Graduate student mentoring across states
- Numerous training and research collaborations resulting from Innovation Working Groups
- Tri-state meetings and working group activities

“Thinking Outside the Box”

Economics of Water and Land Use” – Kelly Cobourn

Carbon and Nitrogen Dynamics in Semi-Arid Ecosystems: Responses to Climate Change from Mechanisms to Landscape Processes” – Kevin Feris and Marie-Anne DeGraaff

“Use of Climate Records” – John Mejia



“Catchment Science” -- John Wilson

“Water Resources: State and Change” – Robert Heinse, Amanda White, Caiti Steele

“Climate Change Education” – Lawrence Rudd

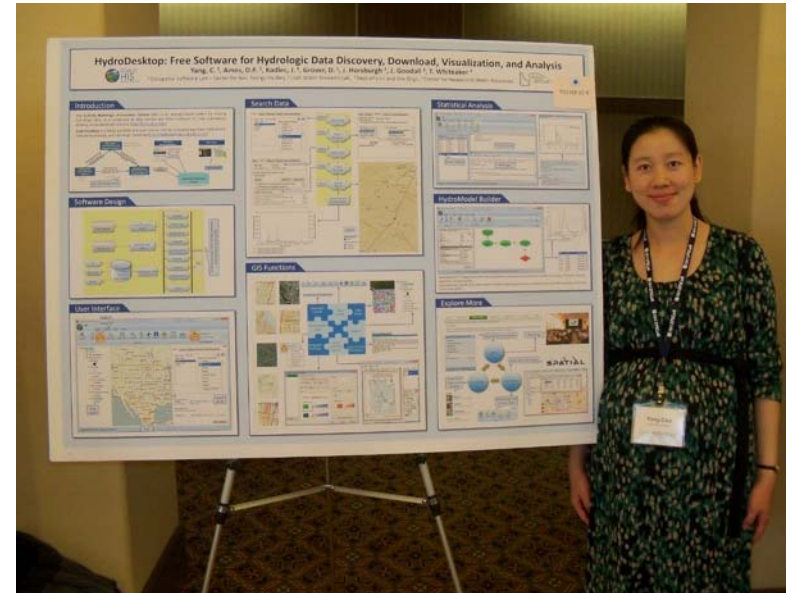
Strategies for Effective Education and Outreach Activities in Research Projects” Mary Jo Daniel

“Connecting Agencies and Researchers” – Bob Parmenter

“Cyberlearning with Analysis and Visualization of Data” – Kent Crippen

Communicating Climate Change Science to non-Scientists” – Jessica Sapunar-Jursich

Collaboration, Networking and Learning



Building New Collaborations

- Tri-State State Committee Meetings
- Track 1 2012
- Track 2 2012 – discontinued for 2012






Tri-State Committee Meetings

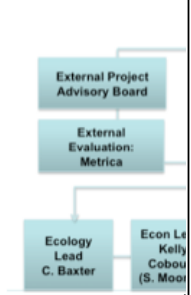
- Joint Meetings of Representatives of State EPSCoR Committees and Leadership from Idaho, Nevada, and New Mexico
 - April 6, 2011
 - October 24, 2011
 - April 3-5, 2012 (upcoming)

Tri-State Committee Meetings: Results

- Networking
- Developed academic/political landscape map for all states
- Reviewed new Track 1 plans and identified opportunities for collaboration and sustaining programs

Academic/political landscapes

Jurisdiction	Reporting Structure	State Committee Information	Cong. Delegation	Governor/State Legislature	Track 1 RII Status
 <p>New Mexico EPSCoR http://nmepscor.org State Director: Dr. Bill Michener, wjmichene@ternet.edu Associate Director: Dr. Mary Jo Daniel, mjdaniel@epscor.unm.edu</p>	New Mexico EPSCoR is overseen by the Council of University Presidents (CUP) – see http://www.unm.edu/~cup/ comprising seven public Universities in NM. The Statewide Advisory Committee comprised of private sector and national	State Committee Co-Chairs: Jack Jekowski jjekowski@aol.com Dr. Jose Garcia, NM Secretary of Higher Education,	Senator Jeff Bingaman (D – Since 1982, retiring in 2012) – Chairman of the	Governor: Susana Martinez (R) Took office January 1, 2011 after 8 years (2 terms) of Governor Bill Richardson (D). First Hispanic female governor in the U.S. elected to office.	In the fall of 2008, NM EPSCoR was awarded \$15 million in NSF funding for its
 <p>Idaho EPSCoR http://www.idahoepscor.org/ State Director: Dr. Peter Goodwin, goodwin@uidaho.edu Project Administrator: Rick Schumaker, rschumak@uidaho.edu Lead Scientist: Nancy Glenn glennc@isu.edu</p>	ID EPSCoR is led by a statewide EPSCoR Committee composed of 16 members with diverse professional backgrounds from both the public and private sectors and from all regions of the State. The EPSCoR Committee reports to the State Board of Education. ID EPSCoR partner research institutions include the University of Idaho (fiscal agent), (UII), Boise State University (BSU) and Idaho	State Committee Chair: Doyle Jacklin, riverbend Commerce Park, doyle@riverbendco.com Vice-Chair: Laird Noh, State Senator, retired, Noh Sheep Company lnoh@earthlink.net	Senator Michael Dean "Mike" Crapo (R – Since 1998, previously three-term U.S. Representative from	Governor: C. L. "Butch" Otter (R) Took office for second term January 7, 2011 New In 2012, the Governor's IGEN initiative that connects research with business development and	ID EPSCoR was awarded \$15 million in NSF funding for Research infrastructure and
 <p>EPSCoR Nevada http://www.nevada.edu/epscor/ State EPSCoR Director: Dr. Jane Nichols, Vice Chancellor for Academic & Student Affairs, jane_nichols@nshe.nevada.edu NSF EPSCoR Project Director: Dr. Gayle Dana, Gayle.Dana@nshe.edu</p>	<p>Nevada EPSCoR is overseen by the Nevada System of Higher Education (NSHE - http://system.nevada.edu/NSHE/index.cfm).</p> <p>NV EPSCoR research institutions include the University of Nevada, Las Vegas, University of Nevada, Reno, Desert Research Institute.</p> <p>Dr. Gayle Dana is the NSF Project Director. She manages the program operations and the administration is administered by the NSF EPSCoR office.</p> <p>Lori Brazafield, Director, Nevada System of Higher Education – Sponsored Programs and EPSCoR, lori_brazafield@nshe.nevada.edu</p>	State Committee Chair: Dr. Jane Nichols, Vice Chancellor for Academic & Student Affairs, jane_nichols@nshe.nevada.edu Committee Members: Dr. Michael Brazda , Director, Intellectual Property, Marketing/Business Development, University of Nevada, Reno Ms. Stacey Crowley, Director & Energy Advisor to the Governor Nevada State Office of Energy Mr. Martin Gastonguay , Senior Vice President, Client Engagements Mr. Lee Charles Kuo , Good, Managing Director, C4CUBE Mr. Scott Hollingsworth, President/Chief Executive Officer Nevada Development Authority Mr. Bruce R. James, President and CEO, Nevada New-Tech, Inc. Dr. Emmanuel Marczak , Dean, College of Engineering, University of Nevada, Reno Dr. Susan Moore, Senior Policy Advisor, Office of the Nevada Lieutenant Governor Dr. Thomas Brubaker , Associate Vice President for Interdisciplinary Research, University of Nevada, Las Vegas Dr. Timothy Porter, Dean, College of Sciences, University of Nevada, Las Vegas Dr. Marsha Read, Vice President for Research and Dean of the Graduate School, University of Nevada, Reno Mr. Michael Skaggs, Executive Director, Nevada Commission on Economic Development Dr. Ron Smith, Vice President for Research and Dean of the Graduate College, University of Nevada, Las Vegas Dr. Terry Sudoko , Executive Vice President for Research Desert Research Institute Dr. Jeffrey (Jeff) Thompson, Dean, College of Sciences University of Nevada, Reno Dr. Stephen Younger, President, National Security Technologies	Senator Harry Reid (D – since 1986, previously two-term U.S. Representative) Currently Senate Majority Leader. Senator Dean A. Heller (R – appointed by Governor Brian Sandoval in May, 2011, previously three term U.S. Representative) Rep. Shelley Berkley (D – District 1) Committee of Ways and Means Rep. Mark Brazda (R – District 2) Rep. Joe Heck (R – District 3) Committee of Armed Services Education and the Workforce Permanent Select Committee on Intelligence District 4 – TBD in 2012	Governor Brian Sandoval (R) Took office January 3, 2011 The State Legislature is a bicameral body, consisting of the lower house Nevada Assembly , with 42 members, and the upper house Nevada Senate , with 21 members. The Senate is composed of 11 Democrats and 10 Republicans. The Nevada Assembly (equivalent to the House of Representatives) is composed of 26 Democrats, and 16 Republicans. Issues: Assembly Bill 449 (Chapter 507, Statutes of Nevada 2012) establishes a structure for the economic development programs of this State. Among its numerous provisions, the bill creates an economic development commission on economic development and the board of Economic Development, which among its members includes the Chancellor of the Nevada System of Higher Education. In addition, the measure creates the Office of Economic Development within the Office of the Governor and the position of Executive Director of the Office. The duties of the Office and its Executive Director, include, the development of a State Plan for Economic Development and the designation of regional development authorities for the regions of this State. On July 1, 2012, the existing powers and duties of the Commission on Economic Development will be transferred to the Office of Economic Development. Further, ASB449 establishes a program for the development and commercialization of research and technology at the University of Nevada, Las Vegas, the University of Nevada, Reno, and the Desert Research Institute, and creates the Knowledge Fund. Money in the Knowledge Fund may be used by the universities and the Desert Research Institute to provide funding for: (1) the recruitment, hiring and retention of faculty and teams to conduct research in science and technology; (2) research laboratories and related equipment; (3) the construction of research clinics, institutes and facilities and related buildings; and (4) matching funds for federal and private grants that further economic development. In addition, money in the Knowledge Fund will be used to establish a technology outreach program at strategic locations throughout Nevada. Further, the bill authorizes the University of Nevada, Las Vegas, the University of Nevada, Reno and the Desert Research Institute to enter into agreements for the allocation of commercialization revenue generated from programs receiving money from the Knowledge Fund. The measure did not appropriate dollars to start-up the Knowledge Fund. An effort underway to prepare for the 2013 RII submission – this will be an infrastructure research effort focused on the intersection of Energy, Water and the Environment, tied to the State Science and Technology Plan.	

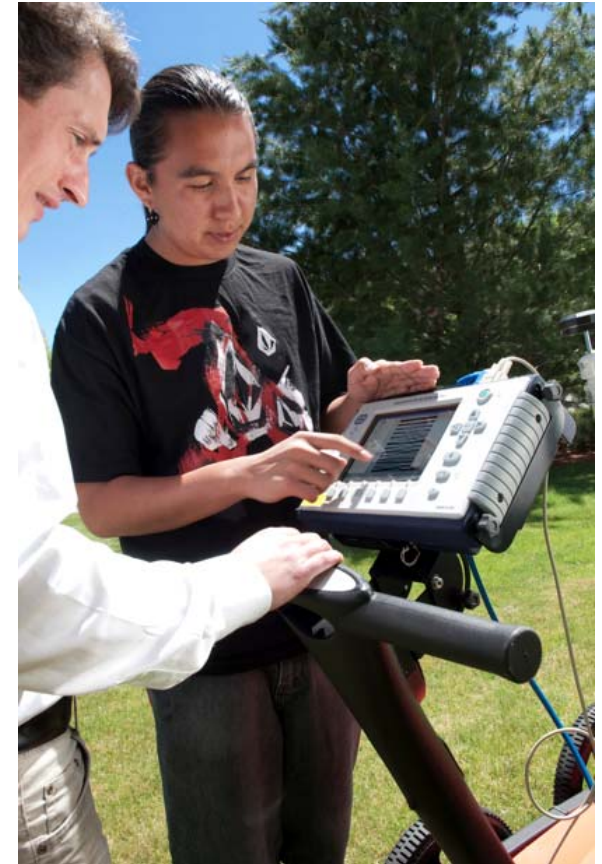


2012 Track 1

1. Collaborate wrt faculty mentoring programs
2. Coordinate CI and web portal development
3. Extend interdisciplinary modeling course to other themes
4. Support Tri-state and regional IWGs
5. Continue Tri-state diversity planning
6. Jointly brainstorm and develop faculty retention programs
7. Explore K-12 cyber-learning opportunities

2012 Track 1

- Collaborate in science initiatives as fully as possible
 - Wildfire research and impacts to the landscape
 - Linking NW and SW climate science research (beyond EPSCoR)
 - Linking experimental watersheds/observatories (beyond EPSCoR)
 - Enhanced collaboration with the National Labs in EPSCoR relevant areas



2012 Track 2 Ideas to be Incorporated into Track 1 Proposals

- Western Consortium for Analysis, Visualization and Exploration
 - Supporting data-intensive science via integration with DataONE (storage, APIs, toolkit development)
 - Immersive environment hardware, software, personnel to address relevant scientific issues
 - Transforming the STEM frontier by developing a diverse CI workforce (summer programs, REUs, professional development and academic support, mentoring and social networks)

