



New Mexico  
**EPSCoR**



# New Mexico EPSCoR State Committee Meeting September 20, 2010

New Mexico State University

**Jack Jekowski**

Committee Chair

**Bill Michener**

Director

**Mary Jo Daniel**

Associate Director

# State Committee Welcome/Agenda, Jack Jekowski

- Introductions
- Review Agenda
- Approval of Minutes from May 2010 meeting



# Agenda

- 11:00 am Welcome and updates (Jack Jekowski)
- 11:15 am Project Updates (Daniel and Michener)
  - Track 1, Track 2, and C2 including upcoming events
- Noon Lunch and Science Talk by Al Rango & Sam Fernald
  - "The effects of climate change on New Mexico's mountain snowmelt runoff and how acequias may become a mitigating factor"
- 1 :00 pm CI for Business—a New Approach (MJ Daniel)
- 1:15 pm Discussion Topics (Bill Michener)
  - Final draft of Diversity Plan
  - Timeline for RII 4 Development
  - Working with Legislature
- 1:45 pm Closing Comments (Jack Jekowski)



# Track 1: Research Activities

- Hydrology and Water Quality Research at the VCNP and Rio Hondo; instrumentation work at NM Tech
- Continuing work with Acequia Associations
- Locations for weather stations on Navajo Nation





# Science Progress/Planning Meetings

- Hydrology and Climate Modeling -July 8, 2010 at NM Tech
  - Continue collaboration on instrumentation locations
  - Decision to use NARCCAP downscale model outputs
  - Plans for seminar at NMT on snow runoff model (NMSU)
- Hydrology and Water Quality -July 9 at EPSCoR Office
  - Plan for estimating flow for out-of-channel conditions @VCNP
  - Researchers will GPS study site locations
  - Discussion of possible study areas in Rio Hondo



# Track 1 Outreach: Summer Teacher Institute

- June 7-11 at Valles Caldera National Preserve
- 14 teachers from Northern NM schools (mid and high)
- Mornings and early afternoons—in the **field learning techniques and collecting data.**
- Rest of day: processing **samples collected in the morning & developing lessons** to implement in the Fall



# Track 1: Broadening Participation

- Undergraduate Research Opportunities Program
  - 11 students from WNMU, ENMU, SFCC, SJC, Dine, NMHU and Navajo Tech
  - 30 applicants (double Year 1)
  - July 30 Research presentations
  - Several students have moved to 4 year programs or graduate programs in STEM



# Track 1: Sustainability

- Infrastructure Seed Grants
  - Up to \$50,000 per award to non-PhD granting institutions to support/enhance undergraduate research opportunities
  - Two awards budgeted for first round
  - RFP released September 1, 2010
  - Proposals due November 10, 2010
  - Anticipated award period: 1/1/2011-12/31/2011



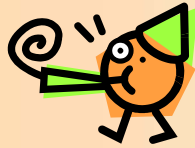


## Innovation Working Groups (IWGs)

- *Identifying the Most Relevant Spatial and Temporal Scales of Climate Change with Respect to Surface Hydrologic Processes*, led by Amanda White, NM Tech
- *The New Mexico STEM Higher Education Diversity Network*, led by Mike Pullin (NMT), Ed Martinez (NMHU) and Marnie Carroll (Dine)
- *Increasing the Diversity of the Western Tri-State Consortium*, led by MJ Daniel (NM), Michele Casela (NV) and Sarah Penney (ID)



# Kudos



- Sam Fernald and team for success in being awarded a Coupled Human and Natural Systems project by NSF
- Bob Parmenter and team on receiving a \$100M, 10-year award for research and adaptive management at the Valles Caldera.
- Laura Crossey for the Alliance for Minority Participation-Bridge to the Doctorate Fellowships' award. \$966,438 from NSF will provide complete support for PhD-bound eligible minority graduate students in STEM graduate programs at UNM.



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## Track 2: Tri-State Consortium

- Connectivity—Gateways installed statewide
- Interoperability—agreed-upon standards for metadata and web portal development among ID, NV, NM
- Cyberlearning—mid and high school computing modules (Supercomputer Challenge and GUTS) focused on climate change and water



## C2: Improving Campus Connectivity

- Award began 9/1/2010; \$1,176,470
- Approximately \$250K each to Northern NM College, Western NM University and Navajo Tech to improve broadband capacity
- Training for developing distance education materials
- \$7,500 awards for developing Gateway modules
- Support for Supercomputing Challenge to add schools in nearby communities





## Other Activities

- Annual Reports submitted and approved
- Data Portal Development continues; initial webinar for users to test the system held in early August
- Reporting Portal Developed; currently being tested by first users
- Initial data-gathering on workshop for Post-Docs
- Public Information Rep hired—Natalie Willoughby
  - First newsletter completed and distributed electronically
  - NM EPSCoR has a Facebook page



# Upcoming Activities

- September 21: Track 2 Planning for Year 2
- September 22: C2 “Kick Off”
- October 18: All Hands Meeting
- October 25: External Advisory Board
- November 10: Seed Proposals Due
- November 16-18: AAAS Review
- January 4-6: Faculty Leadership Workshop
- March 17: NSF Day
- April 6-8: Tri-State Meeting hosted by NM
- May 20: Climate Change Exhibit Opening at NMMNHS



## CI for Business—a Track 2 Activity

- Brainstorming meeting held in June—led to MANY options
- Focus on small, entrepreneurial businesses?
- Collaborate with FastForward NM, extend their project to C2 communities: Silver City, Espanola, Crownpoint



# Discussion Topics

- Final Draft of Diversity Plan (Faculty)
- Timeline for RII 4 Development
- Working with Legislature

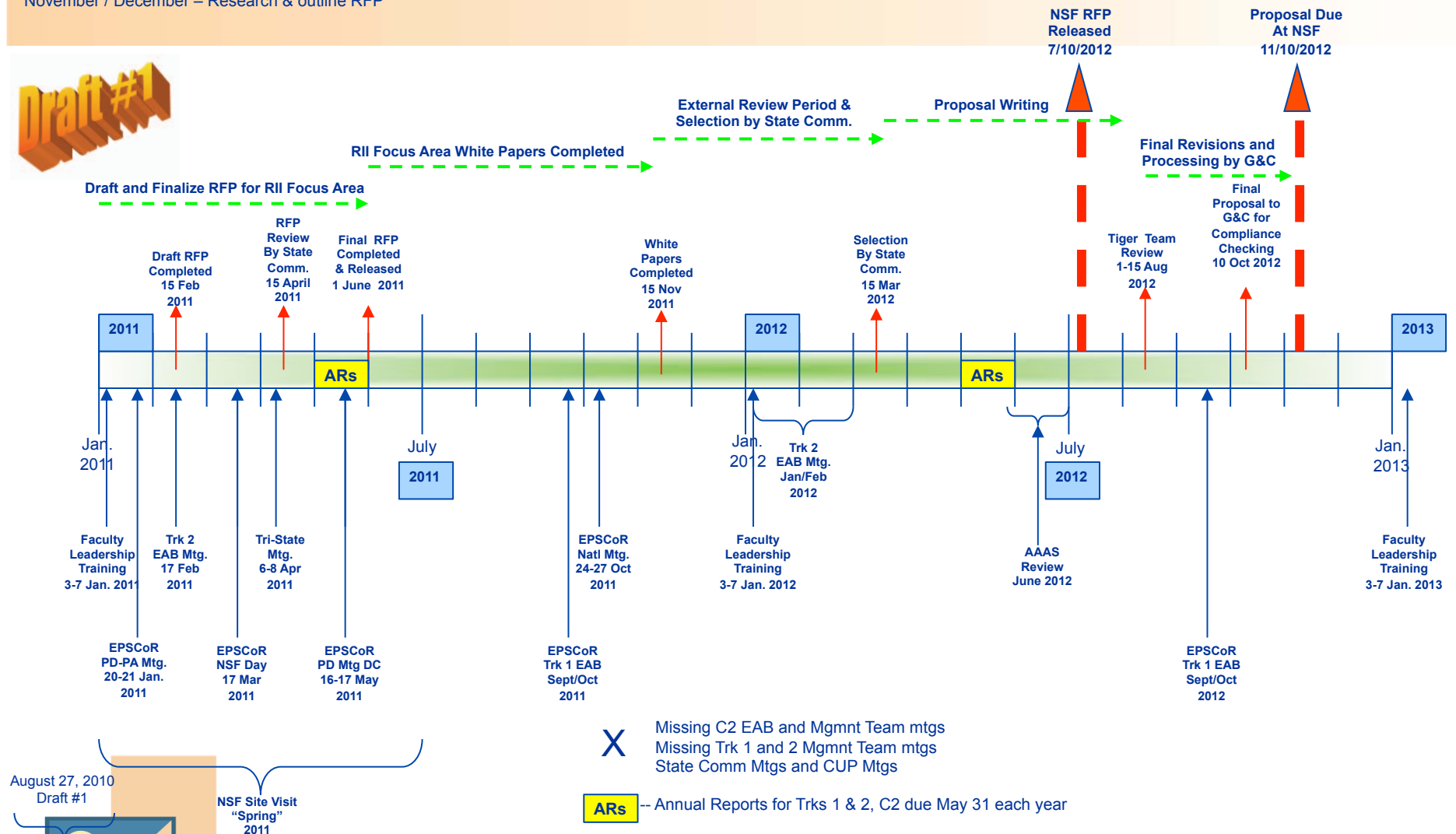




## 2010 Preliminary Activities:

20 Sept. 2010 – State Committee reviews timeline  
 18 Nov. 2010 – AAAS input to NM EPSCoR  
 November / December – Research & outline RFP

# EPSCoR RII Trk 1 Critical Milestones



August 27, 2010  
 Draft #1

NSF Site Visit  
 "Spring"  
 2011

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# RII Track 1

- Focus Area
  - RFP
    - Draft - 15 Feb 2011
    - Review by State Committee - 15 April 2011
    - Final RFP released - 1 June 2011
  - Development of “white papers” - 1 June → 15 November 2011
  - Review and selection
    - External review and review by State Committee - 15 November 2011 → 15 March 2012
    - State Committee selects focus area - 15 March 2012
- Proposal Development
  - Proposal Development 15 March 2012 → 1 August 2012
  - Tiger Team Review - 1-15 August 2012
  - Revisions and sub-award budgeting - 15 August → 10 October 2012
  - Proposal submitted - 10 Nov 2012



Thank you !

