

WRPI Conference
NSF Climate Change/Water System Grant Proposal Group
March 3, 2010

Potential Proposal Goals:

1. Receive Category 1 NSF Planning Grant to develop a complete research proposal for Category 2 and 3 grants in the future.
2. Complete a letter of intent (LOI) that includes a research goals statement that stresses the strengths of the CSU system including its geographic, academic, and cultural diversity.
3. Highlight the State Water Project (SWP) as a diverse water system that illustrates the strengths of and problems with water systems around the world. Given the geographic, climactic, and usage (i.e., agricultural, industrial, and municipal) diversity of the SWP, it can be studied as a microcosm of water systems around the globe.
4. Encourage collaboration between CSU and state/federal agency partners on the study.
5. Use biological metrics such as indicator specie abundance as a way to assess overall ecological health.
6. Focus on scenario-based planning to illustrate current conditions and likely outcomes for a variety of climate change possibilities.
7. Develop a proposal that focuses on the nexus between climate change and water resources/socioeconomic/ecosystem adaptation.
8. Investigate the economic and environmental impacts of water transfers.
9. Develop an approach to research that looks at ground and surface water as an integrated resource.
10. Develop a monitoring network to investigate anthropogenic factors and their impact on fresh water resources.
11. Develop a proposal that looks at how to influence societal behavior towards water conservation.

Immediate Next Steps:

1. Beth Ambos (eambos@calstate.edu) and Jeffrey Thompson (jthompson@csusb.edu) will communicate with CSU Chief Research Officers regarding a multi-campus grant approach.
2. John Keyantash (jkevantash@csudh.edu), Michelle Stevens (stevensm@csus.edu), Anita Chaudhry (achaudhry@csuchico.edu), and Andre Ellis (aellis3@calstatela.edu) will develop draft LOI language, including a 250 word goals statement for immediate discussion by the NSF Proposal workgroup.
3. Ms. Ambos will develop an information sharing network for the NSF Proposal workgroup using Google Docs.
4. **WRPI** will coordinate a conference call with NSF Proposal workgroup participants to finalize the LOI. Key outcomes should include confirming the goals statement and determining the correct PI/Co-PIs. *The LOI is due March 15th. A full proposal is due April 15th.*

Questions for Consideration:

1. How firm is the 10-campus limit in the RFP?
2. What is the intended product from the planning (category 1) grant? Will the planning grant be used to develop a category 2 or category 3 proposal?
3. What criteria will we use to develop future proposals?
4. Is the planning grant expected to be site-specific (i.e., does it have to apply to a specific geographic area?)
5. What is the definition of “water system” in the RFP? How much latitude does the PI/Co-PIs have in determining the scope of the “system” being studied?
6. How can the proposal be designed to maximize collaboration with state and federal agencies?