



## **I-CREWS Summer Authentic Research Experiences (SARE) Faculty Application Guidelines:**

The following guidelines are intended to assist Idaho faculty when submitting applications to the Idaho EPSCoR SARE program. This SARE program is part of Idaho's multi-year (2023-2028) statewide National Science Foundation (NSF) Established Program to Stimulate Competitive Research (EPSCoR) Track-1 Research Infrastructure Improvement (RII) award, "Idaho Community-engaged Resilience for Energy-Water (E-W) Systems (I-CREWS)."

I-CREWS SARE projects should address topics related Energy-Water systems. Faculty submitting SARE proposals that do not show an obvious connection will be asked to resubmit. SARE projects must focus on research and education activities of importance to Idaho and that are predominantly located within Idaho. Due to limited SARE funding, SARE faculty applicants that are unable to show a strong connection to I-CREWS research theme will have a lower funding priority.

### **What is Energy-Water (E-W) Systems?**

Within the I-CREWS project, the term Energy-Water (E-W) systems refers to the intersection between the systems, consisting of the physical infrastructure, data/information/knowledge, the people, laws and policy, as well as the fuel and water that flows or is in reserve. This may include, for example, interdependent power and water systems tied to the physical infrastructure for generation, transmission, distribution and use of power and water along with governance and management practices, knowledge flows, and effects on end users. SARE projects must address topics clearly related to energy or water, but preferably both and or their intersection.

### **What are some topics that fit the I-CREWS scope?**

I-CREWS leverages and builds linkages among existing areas of academic research strengths in the geosciences, biological sciences, social sciences, and resilience science. I-CREWS also expands Idaho's nascent research capacity in computational modeling, machine learning and artificial intelligence, to provide analytical outcomes to proactively address the impacts of environmental and technological change on energy water (E-W) systems.

### **How do applicants indicate a connection?**

SARE faculty applicants should explicitly state the connection to E-W systems within the body of the project descriptions and not assume the connection is implied. This should be done with at least 2-3 sentences stating how the proposed SARE project is related to E-W systems.

### **What if there is no connection?**

SARE applications that do not indicate a connection to E-W systems will be asked to resubmit their application and include 2-3 sentences stating how the proposed SARE project is related to E-W systems. If, after resubmission, there is still not a clear connection, application will be denied.

Learn more about I-CREWS at [www.idahocrewws.org](http://www.idahocrewws.org)