Workforce Development Team @ EPSCoR iUtah

Innovative Urban Transitions and Arid Region Hydro Sustainability
iUtah EPSCoR Component
(e.g. research, CI, workforce development, etc.)

- **Purpose**
  - Enhance the STEM workforce by developing programs that will inspire students to choose STEM careers, promote retention in STEM degrees, and enhance success of faculty in STEM disciplines

- **EPSCoR Vision:**
  - A strong STEM workforce is critical to building and sustaining research capacity and economic growth.
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- **Team Leads:**
  - Tami Goetz (coordinator)
  - Holly Godsey (EAST-like program)
  - Bob Ramsey/Chris Keleher (industry internships)
  - Louise Stark (Summer Institutes)
  - Brian Avery (undergraduate research)
  - Todd Crowl (Faculty Research Fellowships)

- **Researchers at R1 and PUI institutions:**

- **Industry partners:**
iUtah EPSCoR Component Goals

- integration of research and education;
- near-peer mentoring;
- encouraging diversity;
- public-private partnerships
iUtah EPSCoR Component

Objectives

1) K-12 students: Engage at least 200 students
2) K-12 teachers: Engage at least 40 teachers annually
3) Undergraduate students: Engage at least 30 undergraduate students annually
4) Graduate students: Engage at least 20 graduate students annually
5) Postdoctoral researchers: Engage at least 3 postdoctoral scientists
6) Faculty: Provide research funds for at least 10
iUtah EPSCoR Component Activities

- UTAH-Water, the Environment, Science and Teaching (WEST) Fellows
- iUTAH Summer Institutes
- Collaborative Research Experiences for Undergraduates
- Industry Internship Program
- Water Sustainability Graduate Research Fellows
- iUtah Postdoctoral Fellowships
- iUtah Faculty Research Fellowships
- Annual iUTAH Symposium
iUtah EPSCoR Component Outputs

- Increase in students entering STEM pathways
- Increase in students graduating with STEM degrees (secondary and post-secondary)
- Increased number of Utah companies offering internships
- Increase in graduates entering STEM-based research activities
  - Internship participation
  - Near-peer mentoring
  - Undergraduate research
  - Graduate school
  - Employment in Utah STEM-based companies
- Increased community awareness
  - Increased participation in STEM events
Possible Challenges

- Industry internship participation (students and companies)
- Activity monitoring
- Assessment
  - Metric development
  - Tracking data
- Dissemination of research and internship opportunities
Anticipated Outcomes or Impacts

- Greater support of university and industry research activities
- Increased effectiveness of research activities resulting in increased extramural funding and commercialization
- Increased participation in STEM activities
- Increased awareness of the importance of STEM education and workforce efforts that results in increased State funding