



Background

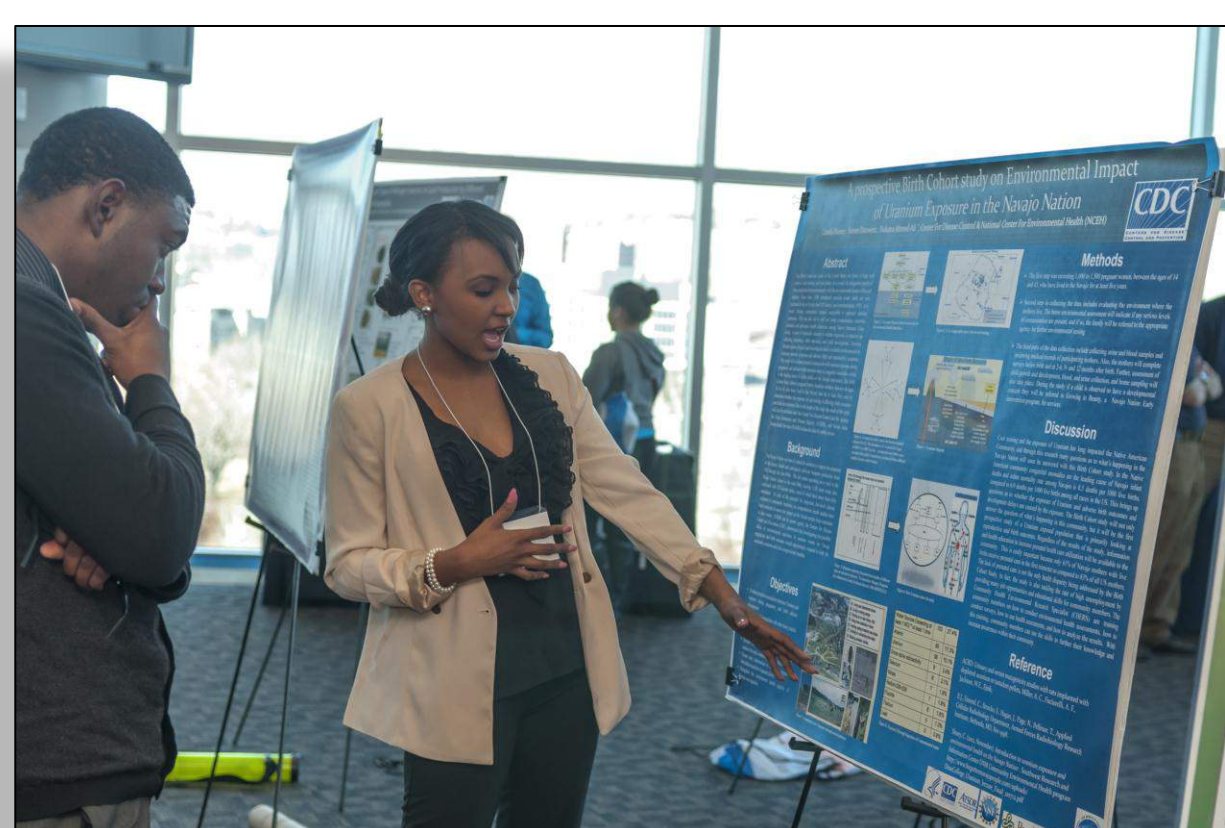
The Institute for STEM and Diversity Initiatives evolved from Boise State's STEM Station that began in 2010. STEM Station was a 5-year project funded by NSF (#0963659) with the mission to catalyze collaboration among STEM initiatives and provide value-added programs to address critical junctures of students, faculty and the university at large. The success of the STEM Station led to the Idaho State Board of Education approved formation of the Institute for STEM and Diversity Initiatives on August 14, 2014.

"This institute illustrates the value and priority that Boise State University is placing on increasing access to STEM education and career paths for all members of the community."

Mission

The Institute aims to build a diverse community of students, faculty, and others involved and invested in science, technology, engineering and mathematics. The primary goal of the Institute is to promote a culture of active inclusive excellence in STEM at Boise State University. The Institute fosters diversity in STEM through

- I. Advocating for and nurturing underrepresented student and faculty success inside and beyond the classroom,
- II. Strengthening avenues of communication and collaboration among University and external partners, and
- III. Conducting and catalyzing STEM educational research.



Funding Sources

- STEM Station Grant # DRL-0963659
- EPSCoR Grant # IIA-1301792
- WIDER PERSIST Grant # DUE-1347830
- LSAMP Grant # HRD-141046
- Boise State College of Arts & Sciences
- Boise State College of Engineering
- Boise State College of Education



STEM Education Projects

Student Focus

- **FIRST Robotics**
- Idaho Conference on Undergraduate Research (ICUR)
- Idaho Space Grant
- **Louis Stokes Alliance for Minority Participation (LSAMP)**
- Microgravity Team
- Summer Research Community
- STEM Summer Adventure

FIRST Robotics

With support from the College of Engineering and other sponsors, STEM & Diversity has established a girl-powered high school robotics team to compete in the FIRST Robotics Regional Tournament to be held at Boise State in 2016.

LSAMP

LSAMP connects underrepresented students in the STEM disciplines with research and experiential learning opportunities to attract and maximize the potential of students from diverse backgrounds.

Faculty Focus

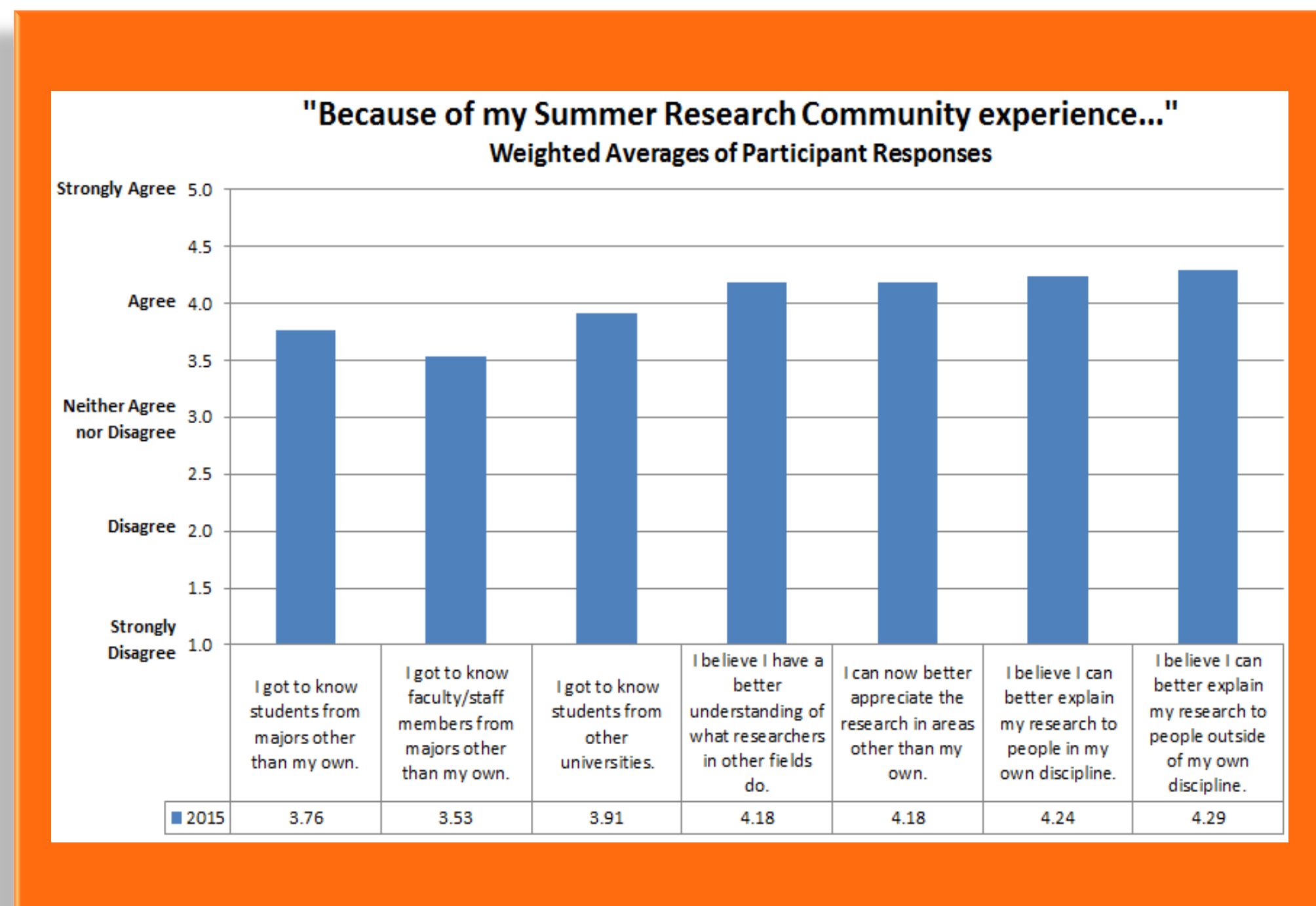
- Diversity Network Council
- **P-12 Networking Council**
- STEM Education Research Network

P-12 Networking Council

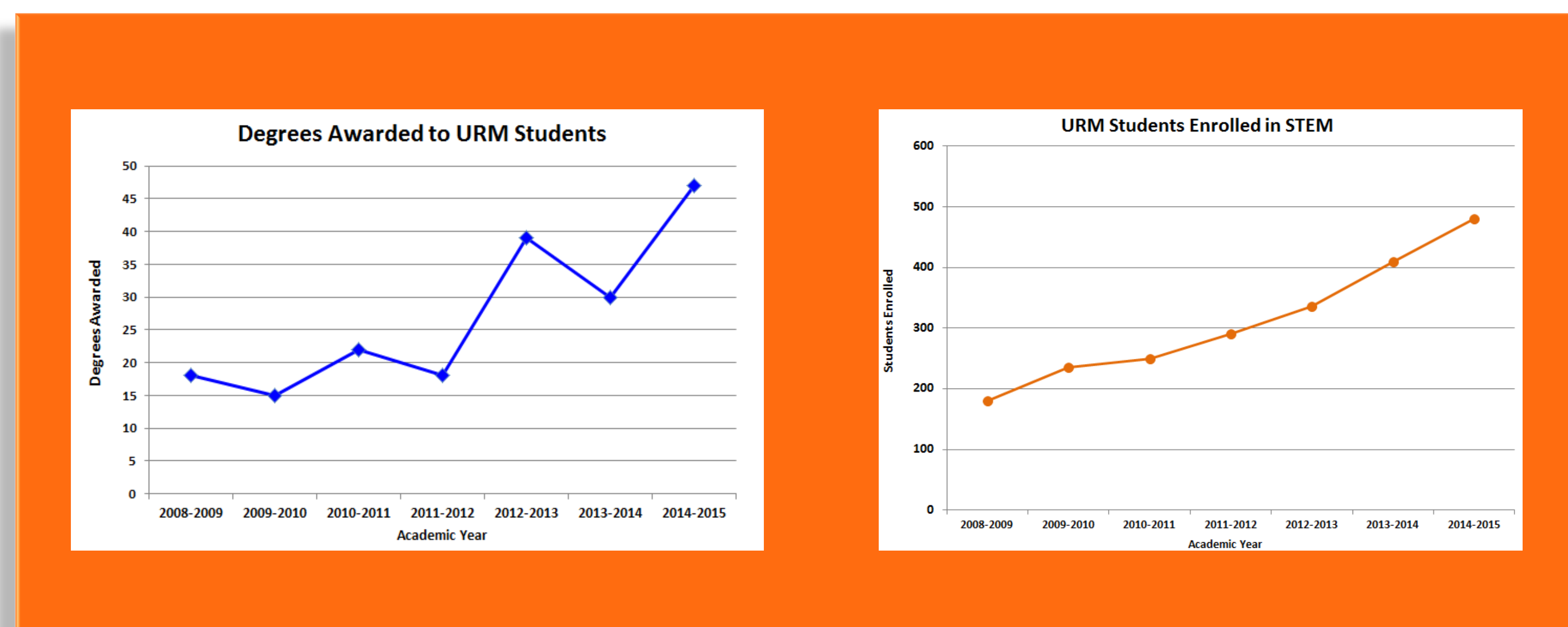
The P-12 Networking Council seeks to establish a network of university faculty and staff working in preK-12 school settings for streamlining communication, connections, and coherence of opportunities.

Summer Research Community Highlights

The Summer Research Community (SRC) is a unique opportunity for undergraduates engaged in research to celebrate and promote models of exemplary research and scholarship at Boise State. The SRC series includes engaging seminars and networking events for all students (undergraduate and graduate), faculty, staff and partners involved in research during the summer. Students become members of a vibrant community of scholars.



STEM Data



Community Partnerships

Community Focus

- Industry Partnerships with Idaho Power
- **Super Conference**
- STEM Learning Centers

Super Conference

In October 2016, Idaho's teacher professional organizations in math (ICTM), science (ISTA), English (ICTE), and literacy (ICILA) will co-host a "Super Conference" for teacher professional development. STEM & Diversity is co-sponsoring this event.

