Broader Impacts

Susan Renoe, Ph.D.
Principal Investigator,
National Alliance for Broader Impacts
Executive Director, The Connector

Connecting the people, resources, tools, and ideas of UM System research and creative activities for the purposes of growing research, strengthening communication, and increasing engagement to benefit the people of Missouri, the nation, and the world.
The Road Ahead

- Broader Impacts Short Course
- Broader Impacts Challenge
- Cultivating a Broader Impacts Identity
- Broader Impacts Resources

Broader Impacts Short Course
All proposals submitted to the NSF are evaluated on their *intellectual merit* (whether or not they advance the field) and their *broader impacts* (benefit to society).

- Your research **CAN BE** the broader impact
- BIAs can be directly related to your project
- BIAs can be supported by or complementary to the project

The **BEST** broader impacts plans are seamlessly integrated into the research.
NSF-Suggested Areas of Impact:

- Full participation of women, persons with disabilities, and underrepresented minorities in STEM
- Improved STEM education and educator development at any level
- Increased public scientific literacy and public engagement with science and technology
- Improved well-being of individuals in society
- Development of a diverse, globally competitive STEM workforce
- Increased partnerships between academia, industry, and others
- Improved national security
- Increased economic competitiveness of the United States
- Enhanced infrastructure for research and education

Broader Impacts Examples:

- Benton Science Club
- Magic of Chemistry
- Science Quest
- Science on Tap
- Science on Wheels
Effective Broader Impacts are…
NSF CAREER
Differences between Traditional NSF and NSF CAREER

- No Special Requirements
- Can be of multiple durations
- Usually no minimum
- Allows Co-PIs/Senior Personnel
- Broader Impacts Plan
- Letters on Collaboration Only

- Eligibility Requirements
- Mandated 5-year duration
- Minimum budget $400,000/$500,000
- No Co-PIs/Senior Personnel
- Integrated Education Plan
- Require a Letter from Department Chair

CAREER TIMELINE
BI Resources

- The front door to higher education for many people across the state. It also serves as the front door for higher education to understand the needs of Missourians.
- Website: 3 million individuals; Programming: 2.3 million
- Focus Areas:
  - Agriculture & Environment
  - Business & Community
  - Health & Safety
  - Youth & Families
- State and Regional Specialists
- All Field Faculty have MA degrees, many have PhDs
- Treat them as colleagues
- Involve them early in the process—find out what they need
- Pay for their time
Broader Impacts Network Data, Evaluation, & Research System (BINDERS)

- Online platform for entering, collecting, and tracking BI evaluation data related to broadening participation, undergraduate research, high school outreach, and public outreach
- Completely free and links easily with myVITA
- Created in partnership with the MU Assessment Resource Center. [http://arc-qaweb1.missouri.edu/Binders](http://arc-qaweb1.missouri.edu/Binders)

Next Step Put it all together
Make Broader Impacts
Work for **YOU!!!**

Getting **Started**

- What is your favorite thing to do? What are your hobbies?
- What are you already doing in your community?
- What do you NOT like to do?
Thanks! Any questions?

broaderimpacts.net