Engagement through the Disciplines
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Partnerships to Build Enduring Understandings: Education, Outreach, and Broader Impact (EOBI) Workshops for Science, Technology, Engineering, and Mathematics (STEM) Faculty

SueAnn Bottoms
Eda Davis-Butts
Sujaya Rao
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Development of the Education, Outreach, and Broader Impact Workshops for STEM Research Faculty

- Polling of research faculty about the need for the workshop
- Proposal presented to Research Office
- Formation of an ad hoc EOBI Committee
- Invitations extended to various research faculty and outreach practitioners
- Series of committee meetings and work assignments
A Scientist’s EOBI Committee Participation

Able to communicate faculty perspectives, concerns and challenges which limit their involvement in outreach

Experience in a leadership role in a outreach program helpful to the committee

Personally greatly interested in outreach and interested in getting more colleagues involved
Content of the Introductory EOBI Workshops

- Faculty Perspectives on EOBI
- Addressing Diversity in EOBI
- Nuts and Bolts of EOBI
- Outreach Roundtables
Goals for Introductory Workshops

- Build better understanding of the challenges and opportunities of doing effective EOBI
- Create greater awareness of OSU outreach programs
- Begin to build the capacity of OSU as a leader in engaging researchers in meaningful and effective EOBI
Additional Content in the Advanced EOBI Workshop

- Levels of Commitment in EOBI
- EOBI Planning - program design, budgeting, addressing diversity, and assessment and evaluation
- EOBI Showcase
An Untenured Scientist’s Perspective

• Potential risks
  – Time commitment
  – Documenting ‘scholarship’ from outreach engagements
  – Convincing colleagues about the value of outreach

• Benefits
  – Visibility
  – Outreach funding adds to grantsmanship
  – Options available for documenting scholarship

Examples:

Goals for Advanced EOBI Workshop

• Support a better understanding of the challenges and opportunities of doing effective education, outreach, and broader impact programming

• Build the capacity of researchers to accomplish meaningful and effective education, outreach, and broader impact programming by promoting linkages with OSU outreach programs
<table>
<thead>
<tr>
<th>Workshop</th>
<th>Research Faculty</th>
<th>Professional Faculty</th>
<th>Graduate Students</th>
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<tbody>
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<td>II</td>
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<td>III*</td>
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*This workshop was attended also by an emeritus VP for Research and one community non-profit leader.
Summary of Workshop Evaluations

• All participants stated they would recommend to other faculty to attend the workshops.

• The workshops were identified as important steps in supporting faculty in addressing EOBI.

• Future efforts should include offerings for administrators to expand their understanding of the context of federal funding for scientific research.

• The networking of research faculty and outreach program faculty was highly valued and much needed.
Key Points from Workshop Evaluations

- An infrastructure is needed to support research faculty in identifying appropriate strategies and partners to accomplish EOBI.
- The perceived lack of value in EOBI, the lack of incentives for faculty, and the lack of colleague and administrator support for EOBI are barriers to research faculty engagement.
- Engagement in EOBI will be facilitated by an explicit institutional agenda, on-going communication between research faculty and outreach practitioners, and appropriate funding to support the efforts.
Recommendations from Workshops

- Offer an ongoing series around specific topics
- Develop discipline-specific sessions
- Compile and deliver a report to the Faculty Senate
- Explore potential infrastructure to support EOBI
- Charge a faculty committee to gather information and make recommendations about EOBI at OSU
- Provide forum for research faculty to express their concerns and challenges in addressing EOBI
Some Collaborations Resulting from EOBI Workshops

• National Park Outreach Program and Hatfield Marine Science Center
• The SMILE Program and Mechanical Engineering Senior Capstone Project
• Science Outreach Course - Rural Science Education and The SMILE Program
A Tenured Scientist’s Perspective

Options:

• Negotiate job description to include more outreach responsibilities
• Continue hard core research and outreach without worrying as much about job security
• Less stress makes it more enjoyable!
Next Steps in EOBI Initiatives

- Reestablishment and recognition of EOBI Committee
- Institutionalization of workshops through the Research Office
- Collaboration with the Graduate School to support the professional development of STEM graduate students
Presenter Information

SueAnn Bottoms
sueann.bottoms@smile.oregonstate.edu

Eda Davis-Butts
eda.davisbutts@smile.oregonstate.edu

Sujaya Rao
sujaya@oregonstate.edu