

INNER SPACE CENTER

Broader Impacts Support Options

A general rule of thumb is that broader impact (BI) activities should be budgeted at approximately 10% of a proposal's direct costs. The Inner Space Center will work with PIs to develop a competitive and comprehensive BI plan for their proposals. Below are some BI activities with associated costs. However, it is recommended that a suite of activities be combined to achieve the most extensive reach.

I. Formal Education Programs

A. Middle, High School, and Undergraduate Level

1. Integration of research plans, data, and/or results into classroom programs
ISC staff will develop and conduct classroom activities related to the proposed research. Six classrooms will be visited and host teachers will be given resources to conduct the activity on their own after the visit. ISC staff will work with the teacher to integrate the activity into their curriculum. \$2,500 per activity
2. Integration of research plans, data, and/or results into on-campus programs
ISC staff will develop and conduct activities related to the proposed research. Four classrooms of students visiting GSO will be led in hands-on activities related to the proposed research and in a tour of the ISC. Visiting teachers will be given resources to conduct the hands-on activity in their own classrooms after the visit. \$2,750 includes bus transportation for students.
3. ISC broadcasts/interactions for classrooms
 - a. ISC staff will broadcast live from the Inner Space Center studio and facilitate a classroom interaction with proposed project's team member(s). \$600 per broadcast
 - b. ISC staff will develop and deliver a live program related to the proposed research for broadcasting to classrooms. \$1,000 for development; \$300 per broadcast
4. Educational videos
ISC staff will produce a 5-minute video related to the proposed research for use in education programming. \$6,846 (based on the ISC day rate)
5. Webinars
ISC staff will facilitate a webinar or webinar series related to the proposed research. ISC staff will recruit the intended audiences and provide training to the presenters. \$600 per 45-minute webinar

II. Informal Science Education Programs

1. ISC broadcasts/interactions for museum, science center, and aquarium audiences
 - a. ISC staff will broadcast live from the Inner Space Center studio and facilitate an interaction between the proposed project's team member(s) and a museum, science center, or aquarium in the ISC's network. \$600 per broadcast
 - b. ISC staff will develop and deliver a live program related to the proposed research for broadcasting to public audiences. \$1,000 for development; \$600 per broadcast
2. Educational video
 - a. ISC staff will produce a 5-minute video related to the proposed research for use in education programming. \$6,846 (based on the ISC day rate)
 - b. ISC staff will produce a 20-minute, interactive public education program that integrates video highlights related to the proposed research. \$12,000 includes production of video highlights and development of educational program; \$600 per interactive broadcast

III. Educational Content Development

ISC staff will work with the proposed project's PIs and team members to develop educational content suitable for public audiences that can be integrated into existing ISC resources and programs. Cost to be determined by the activity.

IV. Other

ISC staff can provide other types of broader impacts support, including:

- professional development for graduate students and young investigators to assist in the development of education, outreach, and communication skills;
- project website development;
- undergraduate internships; and
- coordination of teacher research experiences.