Broader Impacts Handout – used by faculty to plan and build their BI

Developing your Broader Impacts Plan

1. What specific aspects of broader impacts are you personally interested in addressing (e.g. K-12, engaging under-represented groups, public)?

    a. What is the rationale and goal(s)/objective(s) of your BI activities?

    b. Is there an established/identified issue or need that your activity will address?

    c. How will these activities relate to your scientific research?

    d. Are there programs or resources on campus whose goals more or less align with your planned activities?

2. What is (are) your anticipated outcome(s) of the activities?

    a. What will you measure to show whether you are progressing towards your goal (assessment)?

    b. Are there data/benchmarks that you can use?

    c. Are there campus entities that you can work with to do the assessment and evaluation?

3. How will you (begin to) implement the activities?

a. Are there programs or resources on campus that you can leverage or align with?

b. What is your timeline to establish these activities to an extent that you can show 'prior experience' in your proposals?

c. What resources will you need and commit towards these activities (for activities and assessment/evaluation?)

Review Criteria for Broader Impacts (NSF)
1. What is the potential for the proposed activity to benefit society or advance desired societal outcomes?
2. To what extent do the proposed activities suggest and explore creative, original, or potentially transformative concepts?
3. Is the plan for carrying out the proposed activities well reasoned, well organized, and based on a sound rationale? Does the plan incorporate a mechanism to assess success?
4. How well qualified is the individual, team, or organization to conduct the proposed activities?
5. Are there adequate resources available to the PI (either at the home organization or through collaborations) to carry out the proposed activities?

What PIs need to do for a highly rated BI activity:

- Choose their BI activity
- Show credibility in BI activity
- Measure progress towards or achievement of stated goals
- Invest resources for BI plan

Checklist

Review Criteria	Activity (before proposal)	Best practices	In proposal	Check/Action
1,2,3	Choose and plan their BI activities	• Choose 1 – 2 specific activities • Address known needs • Align with programs/needs on campus/research field • Should have a connection to their research in some way	• BI plan should be specific • Articulate rationale (known need) and defined objectives • Relate/connect to research theme • Describe campus programs as needed	• Preferred • Necessary • Necessary • Preferred
4,5	Establish credibility in BI activity	• Deploy or engage in planned activities • Leverage programs on campus	• Show evidence of BI activities in place	Necessary for highly competitive grants
3	Measure progress towards or achievement of goals	• Identify measures of progress or success • Use relevant benchmarks for goals • Leverage programs on campus for assessment/evaluation	• Articulate measures, benchmarked goals and assessment tools • Articulate how assessment/evaluation data be used to improve/change activities	• Necessary If NO – direct PIs to resources on campus (RISE, SBRS) • Preferred
5	Invest resources for BI plan	• Engage programs on campus/region etc.	• Allocate budget (~5% of overall budget) and rationale	• Necessary for highly competitive proposals and large (>1M) grants If NO – PI should re-budget
Various			• Include tangible specific letters of collaboration from campus programs etc.	• Preferred; Necessary for highly competitive proposals