



Broader Impacts Wizard

ORED Seminar Series

November 10, 2021

Today's Agenda- Part 2:



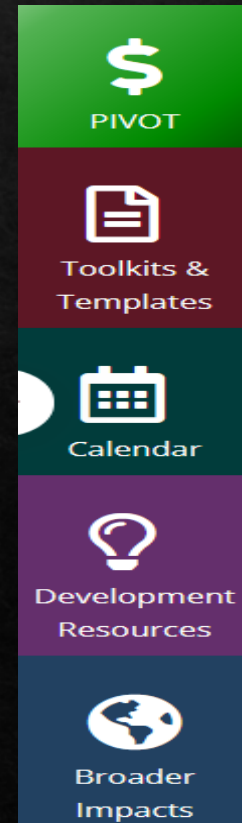
- ◆ Evolution of the BI Wizard
- ◆ Steps and Processes
- ◆ Final Product

Evolution of the Broader Impacts Wizard

- ◇ Created by COSEE NOW (Centers for Ocean Science Education Excellence Networked Ocean World)
<https://coseenow.net/wizard/>
- ◇ The BI Wizard was created to:
 - ◇ Assist in developing a broader impact statement
 - ◇ Satisfy NSF Broader Impacts Criterion
 - ◇ Help fulfill your interest in communicating your science
 - ◇ Help produce an outline of important points
 - ◇ Help frame discussions with your BI partners
- ◇ BI Statement for NSF proposals and framing BI Projects

Where it is today...

- ◆ Center for Advancing Research Impact in Society (ARIS) and Rutgers University (BI Wizard 2.0). <https://aris.marine.rutgers.edu/wizard/index.php>
- ◆ ARIS <https://researchinsociety.org/>
 - ◆ Professional development
 - ◆ Improve broader impacts plans
- ◆ Mississippi State University
 - ◆ Organizational Research Impact Capacity (ORIC)
 - ◆ Additional resources <https://www.ord.msstate.edu/>



ARIS Broader Impacts Toolkit



The resources and tools on this site are designed to help Researchers and BI Professionals develop projects and partnerships that will satisfy the Broader Impact requirement of National Science Foundation (NSF) proposals, and help you fulfill your interest in communicating your science.

This site is brought to you by the [Center for Advancing Research Impact in Society \(ARIS\)](#) and [Rutgers University](#).



Guiding Principles

What does NSF require?

Get a high-level overview of societally relevant outcomes and review criteria specified by NSF



Planning Checklist

What elements are needed in a BI project?

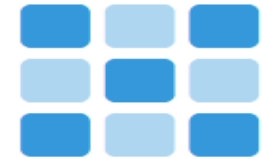
Use this list to review the key elements of an effective BI project proposal



BI Wizard

How to I develop my BI project proposal?

Our wizard will walk you through all of the key steps to building partnerships and an effective project



BI Project Rubric

How to I assess my project's potential?

Use this rubric to help you evaluate a Broader Impact project plan

As you go through the *BI Wizard* and other toolkit tools on this site, there are questions that ask you to record your thoughts for later reflection. This information is only saved locally in your web browser and is not shared with our server.



Broader Impacts Wizard


The Broader Impacts Wizard will help you develop a broader impacts plan that will satisfy the National Science Foundation (NSF) Broader Impact requirements and fulfill your interest in communicating your science.

The quick and easy process will help frame discussions with your BI partner(s) to produce an outline of important points to include in your NSF proposal.

Note, as you go through the Wizard, there are questions you can answer to save your thoughts. This information is only saved locally in your web browser and is not shared with our server. When you are done, you can copy all your work from the [summary](#) page. This will give you the notes you need to continue your work on the Broader Impact elements of your proposal.

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Get Started 

Let's get started!

Start anywhere in the cycle to develop a strong BI plan.



Who will I engage?

Finding Partners and
Determining your Target
Audience

Determine who you
want to reach with your
BI efforts and how you
can have a positive
impact.



How much will this cost?

Developing your Budget

Brainstorm the
resources will you need
to achieve your
objectives and develop a
viable budget.



How is my research relevant to society?

Explore a range of BI
options supported and
encouraged by NSF.



How will I know if my BI project is successful?

Explore evaluation
strategies for your BI
project.



Pulling it all together

Use our interactive
worksheet to draft an
outline for your BI plan.

Who Will I Engage?



Partners

Identifying your BI partners is an important step in crafting a BI statement. Partners can help you accomplish your goals and result in a positive impact with your target audience.



Target Audience

There are many options for you to consider when constructing a BI project. When deciding who to select as a target audience for your work, you should contemplate the benefits of the proposed BI activity.

- 1) Who do you want to engage and work with on your BI project?
- 2) Who will help you engage the target audience in your work?

Collaborative Partnerships

- ◆ Who are your partners?
 - ◆ Describe how they are appropriate and qualified partners.
- ◆ How will you collaborate?
 - ◆ Provide a clear plan for meeting the BI project goals and objectives, and how and why the partners are motivated to collaborate.
- ◆ How will the partnership operate?
 - ◆ Are the partners named, are the assigned roles as a Co-PI or Key Personnel, etc?
- ◆ What commitments am I making on behalf of myself vs. my university?
 - ◆ Is there a signed letter of agreement or MOU between the partners?

Target Audience



My Target Audiences

Once you've identified which audience you'd like to work with on this project, select it below.

- Government/Policy Makers
- Higher Education
- Industry
- K-12 Aged Children
- Educators (K-12 and Informal)
- Life Long Learners
- Public

How much will this COST??

- ◇ What resources will you put into the BI budget to support your partnerships and activities?
- ◇ What time/effort are you willing to invest?
 - ◇ In addition to yourself, who else will participate in the activities? (Ex. Grad students, postdocs, undergrads, others)
- ◇ What is the existing human capacity, financial investment, technological investment within your group or on campus?
 - ◇ How could you leverage existing programs?
 - ◇ Which resources can your partner(s) leverage?

- ◇ What are the scientific questions in your proposal?
- ◇ What elements of the scientific questions do you want to highlight in your BI project?
- ◇ Why does this information matter to your audience?
- ◇ What are the potential benefits of sharing this information with your audience?

How is my
research
relevant to
society?

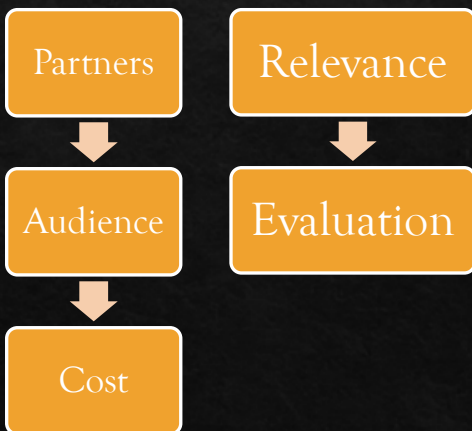
How will I
know if my
BI project is
successful?

Creating an Evaluation Plan:

- ◆ What activities in your BI plan can be evaluated?
- ◆ How will you measure the BI plan activities?
- ◆ Who will you collaborate with to perform the evaluation?

Wizard Steps: Partners / Audiences / Cost / Relevance / Evaluation / Step 1 What / Step 2 Who / Step 3 How / Step 4 Finish

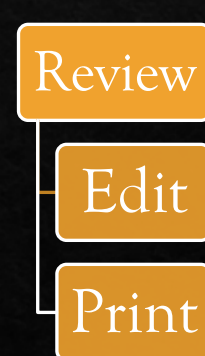
Plan
Elements



Wizard



My
Summary



Key Questions and Checklist

- ◆ Does the BI project address one/more of the target outcomes for BI activities outlined by NSF?
- ◆ What is the potential for the proposed activity to benefit society and contribute to achievement of specific desired societal outcomes?
- ◆ To what extent do the proposed activities suggest and explore creative, original, or potentially transformative concepts?
- ◆ 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?
- ◆ How well qualified is the individual, team, or institution to conduct the proposed activities?



Rubric

Evaluate a BI Plan

-
- 1- What is the potential for the proposed activity to benefit society or advance desired social outcomes?

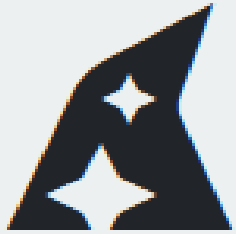
 - 2- To what extent do the proposed activities suggest and explore creative, original, or potentially transformative concepts?

 - 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 to carry out the proposed activities?

<https://aris.marine.rutgers.edu/wizard/index.php>



Broader Impacts Wizard

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 Project Goals

 Target Audience

 Partners

 Budgeting

 Evaluation

Thank you for attending – ORD

<https://www.ord.msstate.edu/>