# **Attachment D4**

**AISL Monitoring System Screenshots: OPMS Closeout Survey** 

### **Closeout Screenshots**



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This final update has been authorized by the National Science Foundation. While you are not required to respond, your cooperation is needed to ensure that the results of this monitoring system comprehensive, accurate, and timely.

### INSTRUCTIONS FOR COMPLETING THE ISE FINAL UPDATE

#### Project ID: 50004 Award Type: Test Project

The National Science Foundation (NSF) is collecting information annually from all of its Informal Science Education (ISE) projects. The purpose is to obtain data that can be used to evaluate the collective impact of the ISE portfolio of funded projects, to monitor participants' activities and accomplishments, and to obtain information that can inform the design of future ISE efforts.

You should call your Westat contact person or email isehelp@westat.com if you have any questions about how to respond to a particular item.

For guidance in using this system, click the Help link at the top or bottom of the screen. This will take you to a description of how to navigate the system, as well as additional information about how to address specific items.

Please complete each of the following sections of the Final Update as they pertain to your ISE project. More than one person can log into the survey and enter information. You may complete the sections in any order. When you have started a section, the status will change to *Incomplete*. When you have completed a section, the status will change to *Complete*. Once all sections are complete, a *Submit Report* button will appear at the bottom of the page. Select the *Submit Report* button to complete and submit your survey.

	Status
Section A: Project and the Lead Organization	Complete
Section B: Key Members of the Project Team	Complete
Section C: Organizational Partners	Complete
Section D: Products, Programs, or Experiences for Public Audiences	Complete
Section E: Products, Programs, or Experiences for Professional Audiences	Complete
Section F: Formative and Summative Evaluation Questions	Complete
Section G: Project Accomplishments and Lessons Learned	Complete
Section H: Future Directions	Complete

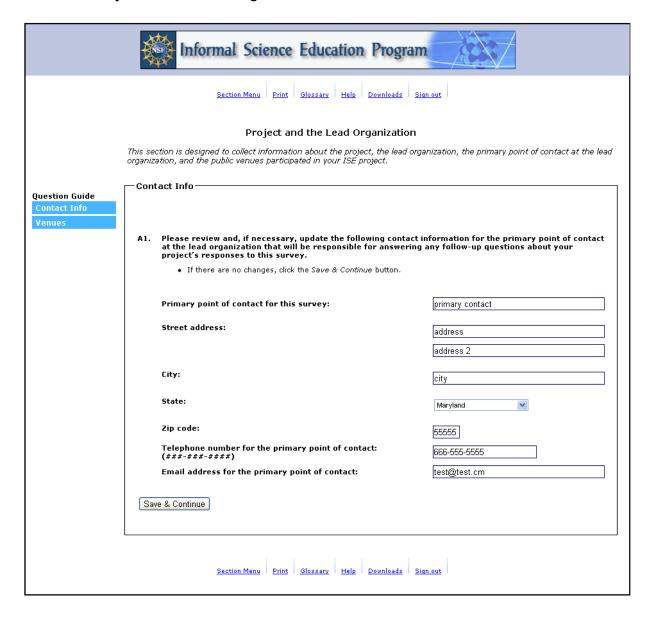
### Final Submission Status: Complete

### Submit Final Report

You have now completed all eight sections of the Final Submission. All information for your project has been recorded. Click on the Submit button above to submit your survey to NSF.

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## Section A - Project and the Lead Organization





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### Project and the Lead Organization

#### **Question Guide**

Contact Info

Venues

#### -Venues

A2. Please review and, if necessary, update information about previously entered public venues in the table below. If applicable, please add new public venues in which your project reached public or professional audiences.

#### STEP 1: Update previously entered public venues.

- For each previously entered public venue, select an option from the drop-down menu in the Venue use over the grant period column and click the "update" button.
- You cannot delete previously entered venues. Instead, select "No longer part of project" from the drop-down menu in the Venue use over the grant period column.

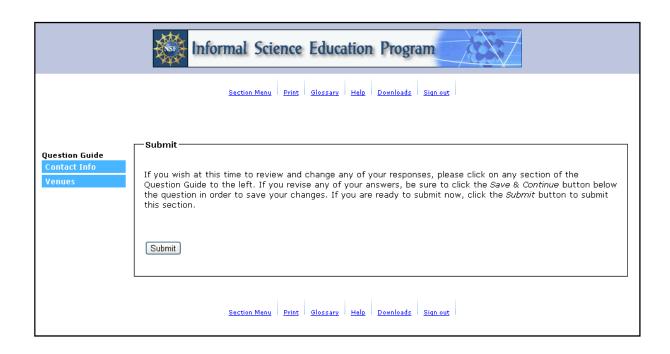
#### STEP 2: Add new public venues.

- For the purposes of this collection, public venue refers to a physical public setting in which public or professional
  audiences will convene to participate in an ISE-related product, program, or experience.
- To add a public venue to the table below, enter the venue name and zip code in the text boxes and select a venue
  type and venue use. Then, click the Add button in the right-hand column of the table.
- After you have added a venue to the table, use the Edit button to change information about it or use the Delete button to remove it.

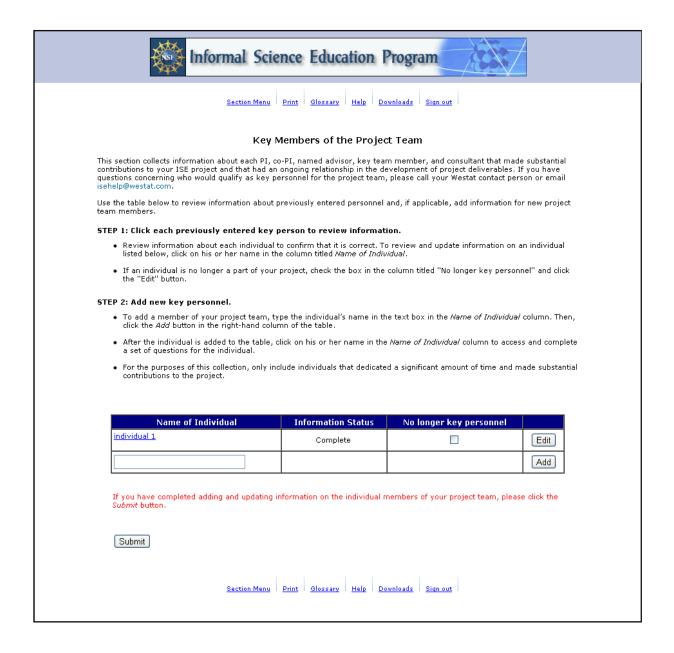
Public Venue Name	Public Venue Zip Code	Public Venue Type	Venue use over the grant period	
Venue 1	12345	History or art museum	Used in past year	Update
ar venue 2	45678	Library	Used in past year	Update
		Select venue type  Other (specify):	Select venue use	Add

Save & Continue

Section Menu Print Glossary Help Downloads Sign out



## **Section B: Key Members of the Project Team**



**Update Previously Entered Individuals** 

### Key Personnel for the Project Team

Please	: individual 1 e review and, if necessary, update the following contact information for this indi If there are no changes, click on the Save & Continue button.	vidual.	
•		vidual.	
•			
	I diele de lle didiges, diek di die save a continue bacoii.		
B1.			
ы.	With what organization is this individual affiliated? (If no organization, enter "not a	applicable ")	
	organization	appricable. )	
	organization		
B2.	Which of the following best describes the organization with which this individu	al is affiliated?	
	Please select one organization type.		
	<ul> <li>If your organization is a division or department of a larger entity (e.g., a museum with information below about your division or department (as opposed to the larger entity) type.</li> </ul>		
	Select Not Applicable for both the organization and division if the individual is not affiliate.	ated with an organizati	ion.
	Select Not Applicable for division/department if there is no separate division within the	-	
	<ul> <li>If the organization type for a given organization is not listed on the table below, select specific information as to how the organization type should be coded. The information organization codes for future collections.</li> </ul>		us develop nev
		Organization	Division/ departme
	Informal Learning Institution/Organization		
	Arboretum or botanical garden	•	0
	Children's museum	0	•
	History or art museum	0	0
	Natural history museum	0	0
	Science-technology center or museum	0	0
	Nature or interpretive center	0	0
	Planetarium or fulldome theater	0	0
	Zoo or a combined zoo/aquarium	0	0
	Aquarium only	0	0
	Library	0	0
	Theater or theater organization	0	0
	Community organization	0	0
	Youth organization/after-school organization	0	0
	Other informal learning institution/organization (specify)	0	0
	Media Design and Production		
	Exhibit design/fabrication firm/entity	0	0
	Planetarium show production firm/entity	0	0
	Independent film or media production firm/entity	0	0
	Print media production firm/entity	0	0
	Radio station or organization	0	0
	Television station or organization	0	0
	Website design firm/entity	0	0
	Software design firm/entity	0	0
	Digital/interactive media design and production firm/entity	0	0
	Other media design/production (specify)	0	0
	Educational Institution		

 $\circ$ 

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Other educational institution (specify)

	_	_	~
Educational Support Services			
Educational or STEM materials development firm/entity		0	0
Educational or STEM research firm/entity		0	0
Other educational support services (specify)		0	0
Other			
Public or government agency		0	0
Evaluation or research firm/entity		0	0
National or regional association or professional organization		0	0
Other (specify)		0	0
Not Applicable			
Not Applicable (i.e., the individual is not affiliated with an organization)		0	0

B3. What role did this individual assume on your project? (Select one Primary Role and as many Secondary Roles as apply.)

	Primary Role (select one)	Secondary Role (select all that apply)
Principal investigator	•	
Co-principal investigator	0	V
Program management	0	V
Committee member/chair	0	
Content specialist	0	
Materials design or development (e.g., film producer, curriculum writer, exhibit designer)	0	
Advisor/consultant	0	
Marketing and/or outreach (e.g., program promoter, exhibit public relations, participant recruitment)	0	
Educator/programming provider (e.g., exhibit guide, after school leader)	0	
Trainer	0	
External evaluator	0	
Researcher	0	
Other (specify)	0	

B4.	Please provide the following contact information	n for this individual:
-----	--	------------------------

Zip code:	12313
Telephone number:	1234567899
Email address:	temp@email.com

Save & Continue

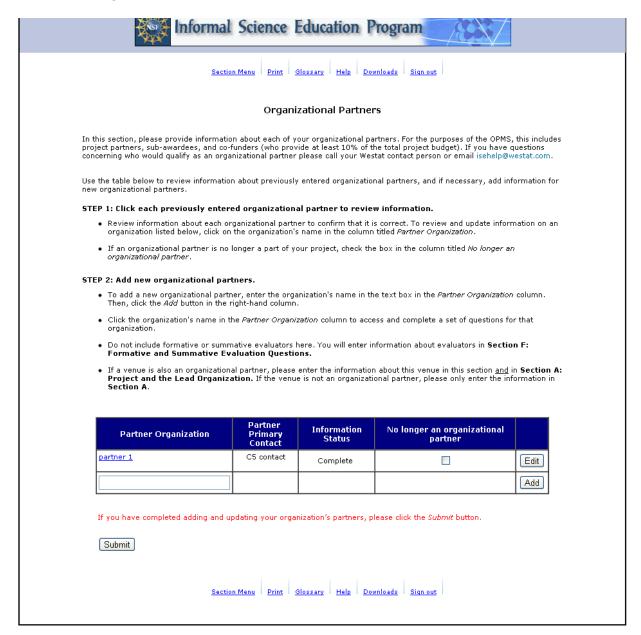
## **Add New Individuals**

### Key Personnel for the Project Team

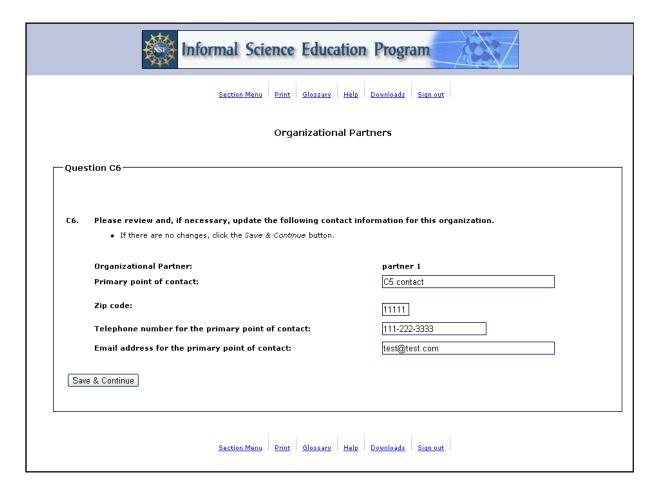
	individual 2						
ne:	Individual Z						
	With what organization is this individual affiliated? (If no organization, enter "not ap	oplicable.")					
	Which of the following best describes the organization with which this individual	l is affiliated?					
	<ul> <li>Please select one organization type.</li> <li>If your organization is a division or department of a larger entity (e.g., a museum within a university), you should also provi information below about your division or department (as opposed to the larger entity) by selecting one division/department type.</li> </ul>						
	Select Not Applicable for both the organization and division if the individual is not affiliate.	ed with an organizat	ion.				
	Select Not Applicable for division/department if there is no separate division within the o	organization.					
		Organization	Division/ department				
	Informal Learning Institution/Organization		department				
	Arboretum or botanical garden	0	0				
	Children's museum	0	0				
	History or art museum	0	0				
	Natural history museum	0	0				
	Science-technology center or museum	0	0				
	Nature or interpretive center	0	0				
	Planetarium or fulldome theater	0	0				
	Zoo or a combined zoo/aquarium	0	0				
	Aquarium only	0	0				
	Library	0	0				
	Theater or theater organization	0	0				
	Community organization	0	0				
	Youth organization/after-school organization	0	0				
	Other informal learning institution/organization (specify)	0	0				
	Media Design and Production						
	Exhibit design/fabrication firm/entity	0	0				
	Planetarium show production firm/entity	0	0				
	Independent film or media production firm/entity	0	0				
	Print media production firm/entity	0	0				
	Radio station or organization	0	0				
	Television station or organization	0	0				
	Website design firm/entity	0	0				
	Software design firm/entity	0	0				
	Digital/interactive media design and production firm/entity	0	0				
	Other media design/production (specify)	0	0				
	Educational Institution						
	Pre-K-12 district/school (including charter schools and private schools)	0	0				
	2-year college or community college	0	0				
	4-year college or university	0	0				
	Other advantaged in the time (accorded)	0	0				
	Other educational institution (specify)						
	Other educational institution (specify)  Educational Support Services	Ü					

any Secondary	Secondary Role (select all that apply)
any Secondary imary Role elect one)	Secondary Role (select all that apply)
imary Role elect one)	Secondary Role (select all that apply)
imary Role elect one)	Secondary Role (select all that apply)
imary Role elect one)	Secondary Role (select all that apply)
imary Role elect one)	Secondary Role (select all that apply)
imary Role elect one)	Secondary Role (select all that apply)
clect one)	(select all that apply)
clect one)	apply)
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## **Section C: Organizational Partners**



## **Update Previously Entered Partners**



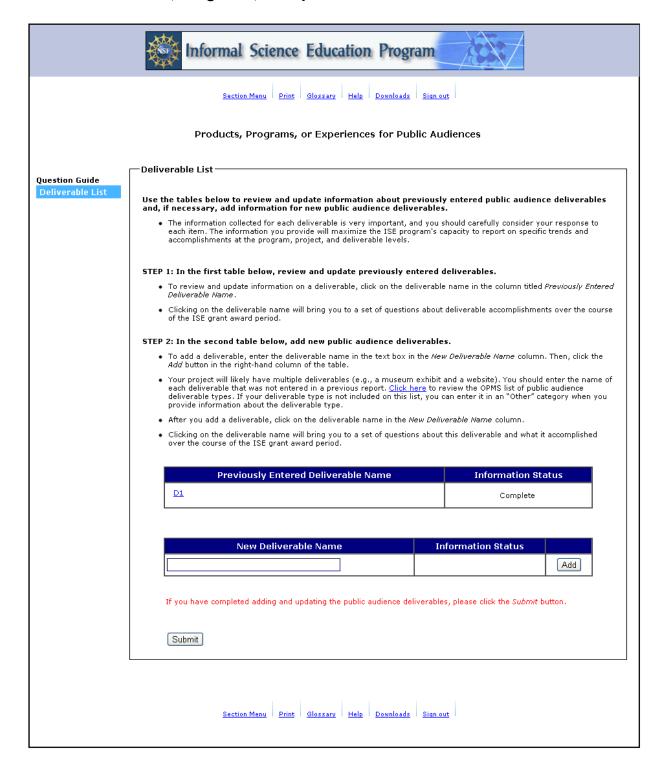
Add new organizational partners

### Organizational Partners

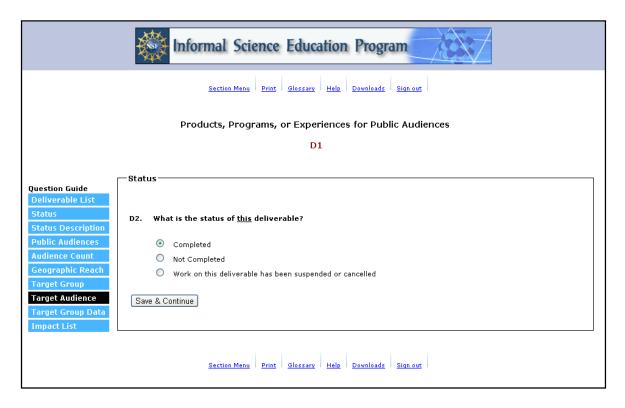
Organization name: partner 2		
Division/department: (If no division/department, enter "not applicable.")		
Which of the following best describes this organization (or division within an org	anization)?	
Please select one organization type.		
If the organization is a division or department of a larger entity (e.g., a museum within a information below about the division or department (as opposed to the larger entity) by second to the larger entity.		
• If there is no division/department for this organization, select Not Applicable.		
<ul> <li>If the organization type for a given organization is not listed on the table below, select "o information as to how the organization type should be coded. The information you provid for future collections.</li> </ul>		ganization co
	Organization	Division departme
Informal Learning Institution/Organization		
Arboretum or botanical garden	0	0
Children's museum	0	0
History or art museum	0	0
Natural history museum	0	0
Science-technology center or museum	0	0
Nature or interpretive center	0	0
Planetarium or fulldome theater	0	0
Zoo or a combined zoo/aquarium	0	0
Aquarium only	0	0
Library	0	0
Theater or theater organization	0	0
Community organization	0	0
Youth organization/after-school organization		0
Other informal learning institution/organization (specify)		0
Media Design and Production		
Exhibit design/fabrication firm/entity	0	0
Planetarium show production firm/entity	0	0
Independent film or media production firm/entity  Print media production firm/entity	0	0
Radio station or organization	0	0
Television station or organization	0	0
Website design firm/entity	0	
Software design firm/entity	0	0
Digital/interactive media design and production firm/entity	0	0
Other media design/production (specify)		0
Educational Institution	0	0
Pre-K-12 district/school (including charter schools and private schools)	0	0
	0	0
2-year college or community college 4-year college or university	0	

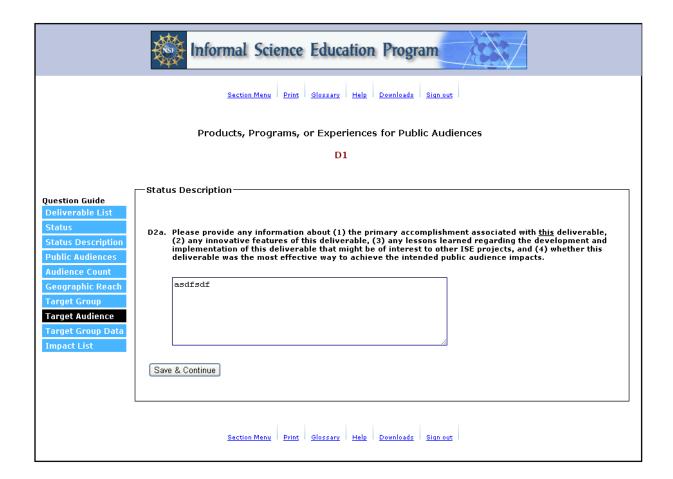
		~	_
	Other		
	Public or government agency	0	0
	Evaluation or research firm/entity	0	0
	National or regional association or professional organization	0	0
	Other (specify)	0	0
	Not Applicable		
	Not Applicable (i.e., there is no division/department for this organization)		0
C5.	Please provide the following contact information for this organization:		
C <b>5.</b>	Please provide the following contact information for this organization:  Primary point of contact:		
C5.			
C5.	Primary point of contact:		
C5.	Primary point of contact:  Zip code:  Telephone number for the		

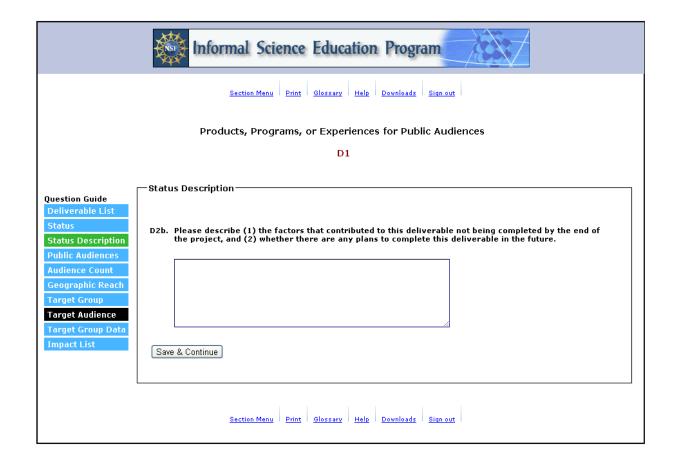
## Section D: Products, Programs, or Experiences for Public Audiences

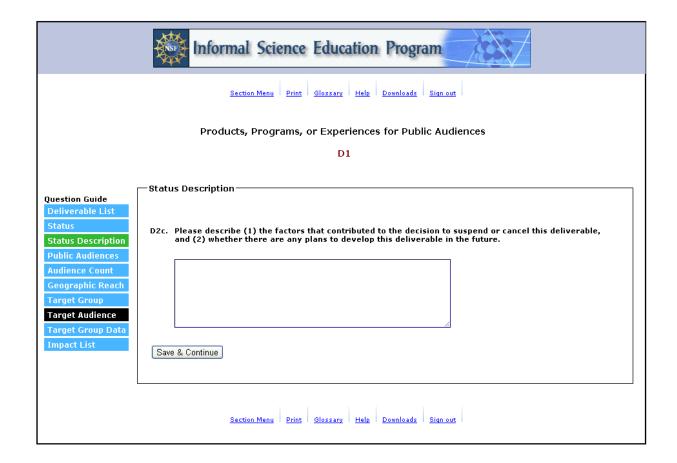


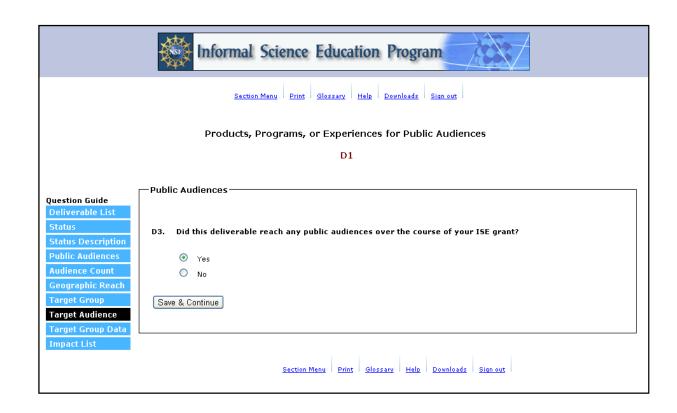
# **Previously entered deliverables**



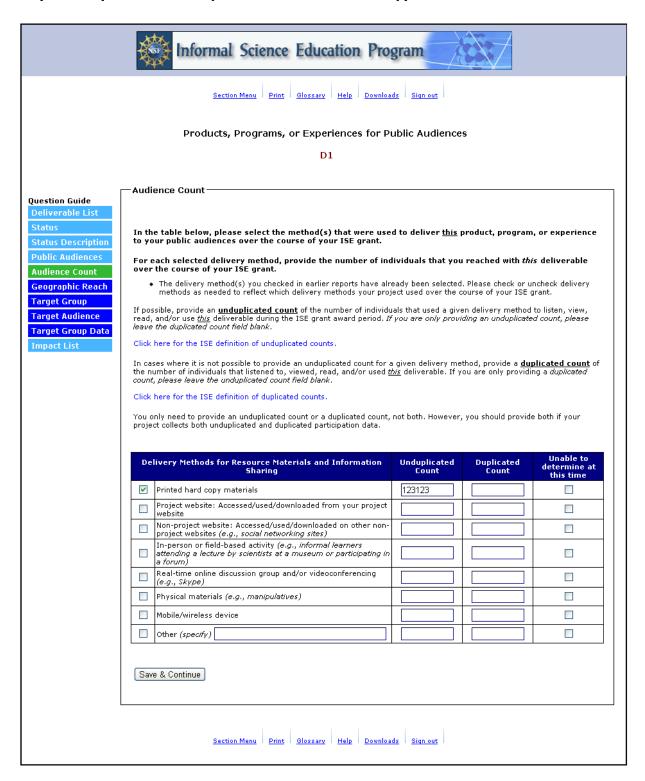


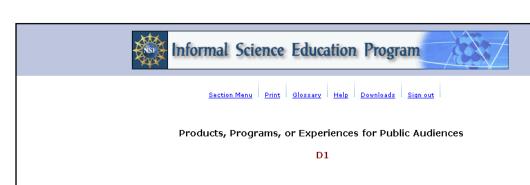






## Response options will vary based on deliverable type





Question Guide
Deliverable List
Status
Status Description
Public Audiences
Audience Count
Geographic Reach
Target Group
Target Audience
Target Group Data
Impact List

-Geor	graphic Reach
	<b></b>
D5.	Which of the following best describes the actual geographic reach of the public audiences that accessed
	or used this deliverable over the course of your ISE grant? (Check one.)
	<ul> <li>Single community or metropolitan region</li> </ul>
	Select even if the community or metropolitan region spans multiple states (e.g., the Washington, D.C.,
	metropolitan area—which includes the District of Columbia, Maryland, and Virginia).
	Multiple communities within a single state or U.S. territory  Select if the deliverable reached public audiences in two or more communities or metropolitan regions within a
	single state (e.g., a radio program that will be broadcast in Los Angeles and San Francisco).
	Multiple states and or U.S. territories
	Do not select if the deliverable only reached a public audience in a single metropolitan area that spans multiple states (e.g., the Washington, D.C., metropolitan area—which includes the District of Columbia, Maryland, and
	scales (e.g., are washington, b.c., medopoikan area—which includes are bisdroc or columbia, maryiand, and Virginia).
	Specify in how many states and/or territories this deliverable reached public audiences over the
	course of your ISE grant:
D6.	Were any steps taken to target this deliverable to an international public audience outside of the United
ъ.	States and U.S. territories over the course of your ISE grant?
	• • •
	No.
	● No
	O Yes
	If Yes, please describe the steps that were taken to reach international public audiences with this deliverable over the
	course of your ISE grant:
_	
∑a\	ve & Continue

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### Products, Programs, or Experiences for Public Audiences

D1

### Question Guide

Deliverable List

Status

tatus Description

Public Audiences

Geographic Reach

Target Group

Target Audience

Target Group Data

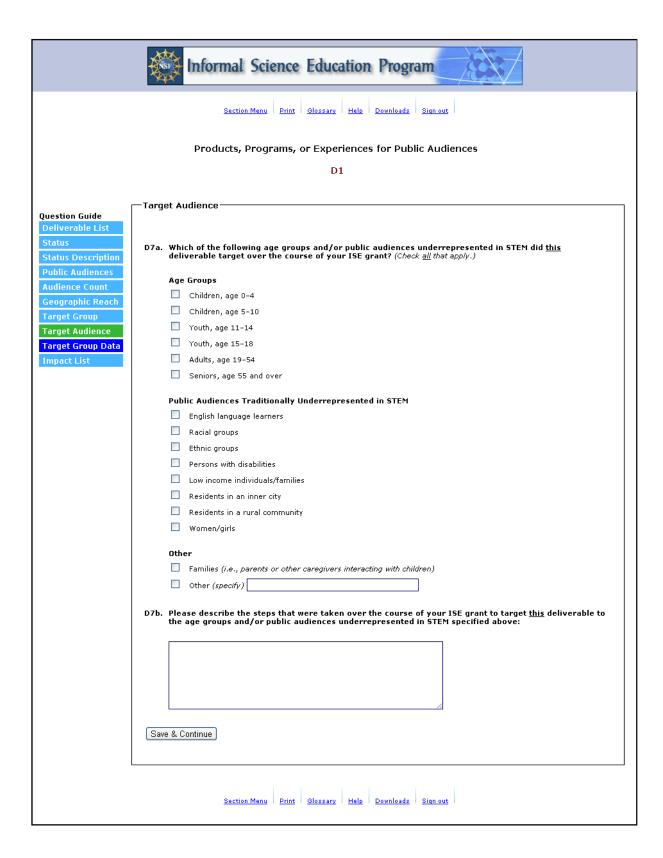
Impact List

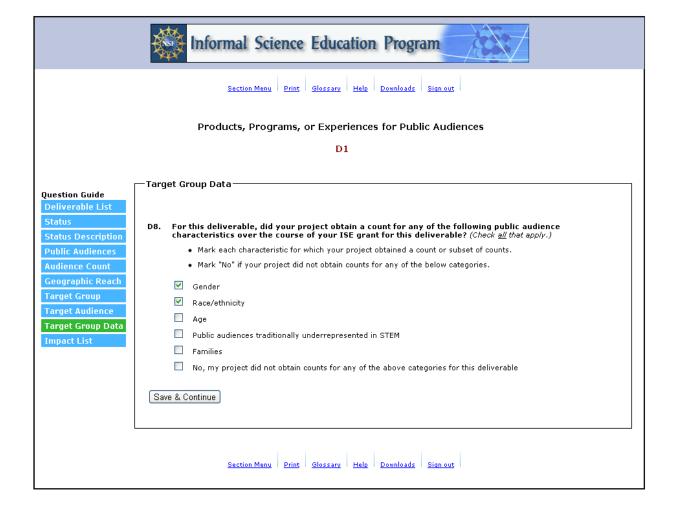
-Target Group

- D7. Which of the following best describes the public audience(s) that were targeted by this deliverable over the course of your ISE grant? (Check one.)
  - For the purposes of this item, target group refers to (1) a specific age group (e.g., youth, age 5-10), (2) caregivers interacting with their children, and/or (3) public audiences traditionally underrepresented in STEM.
  - The general public only (i.e., there was NO effort to direct this deliverable toward a specific target group)
  - The general public <u>AND</u> specific target groups (i.e., the deliverable targeted <u>BOTH</u> the general public <u>AND</u> one or more specific target groups)
  - A specific target group only (i.e., the deliverable targeted a specific target group(s)—but NOT the general public)

Save & Continue

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### Products, Programs, or Experiences for Public Audiences

D1

### Question Guide

Deliverable List

Status

Status Description

Public Audiences

Mudience Count

Geographic Reach

Target Group

Target Audience
Target Group Data
Impact List

### -Impact List-

D9. Please review and update each impact for this deliverable and, if necessary, add new impacts this deliverable is designed to achieve with your public audiences.

#### STEP 1: Review and update previously entered impacts.

- To review and update the impact(s) for this deliverable, click on the impact statement in the Impact column.
- After reviewing and updating an impact, you will report on the extent to which your project achieved the impact.

#### STEP 2: Add new impacts.

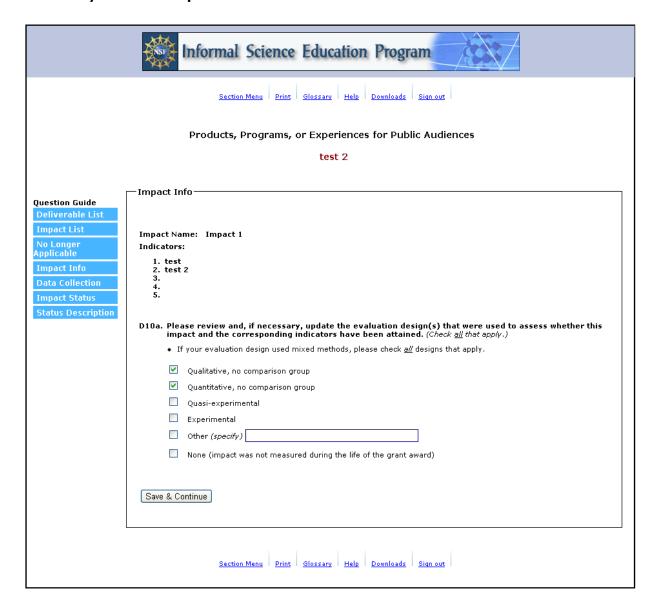
- To add an impact, enter the impact statement in the text box in the Impact column. Then, click the Add button in the right-hand column of the table.
- · For definitions and examples related to impacts, see the Impacts and Indicators PowerPoint in the [Help] link.
- After you add an impact, the impact name becomes a link to a set of questions about the impact and the extent
  to which your project achieved the impact. Click on the impact name in the Impact column to access and
  complete the questions for that impact.

Impact	Information Status	Impact No Longer Applicable	
Impact 1	Complete		
			Add

Save & Continue

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# **Previously entered impact**



### Products, Programs, or Experiences for Public Audiences

test 2

Question	Guide

No Longer Applicable

Impact Info

**Data Collection** 

Status Description

-1	Ŋα	ta	Col	lec	tio	m

Impact Name: Impact 1

Indicators:

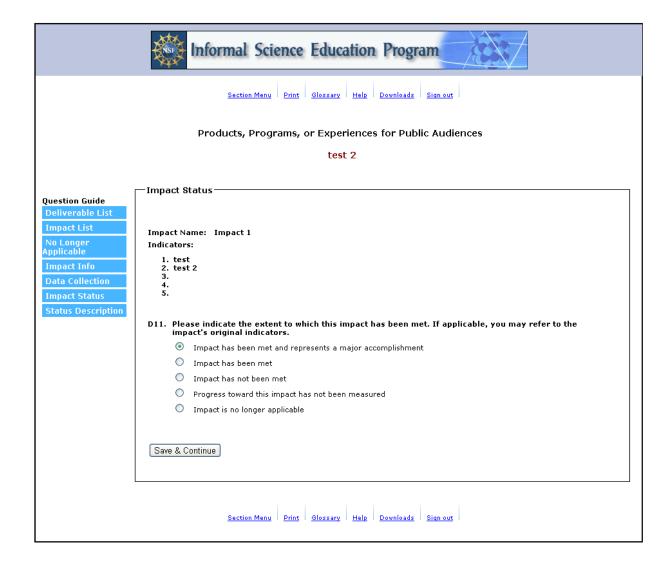
- 1. test 2. test 2 3. 4. 5.

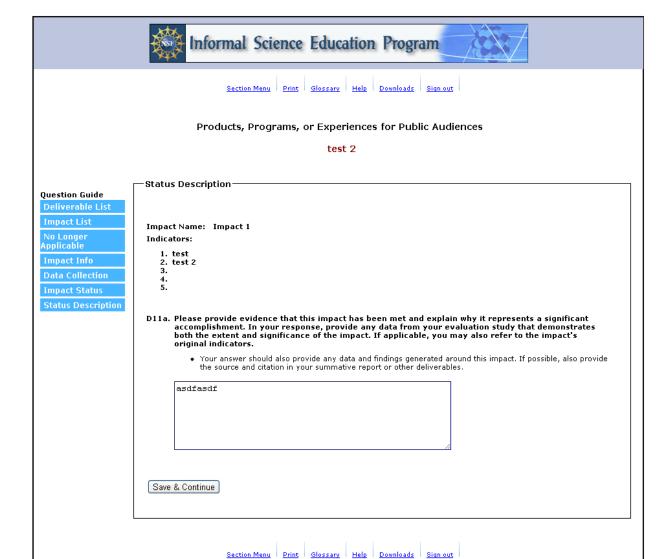
D10b. Please review and, if necessary, update the data collection methods that your project will use to determine if this impact and the corresponding indicators have been attained. (Check <u>all</u> that apply.)

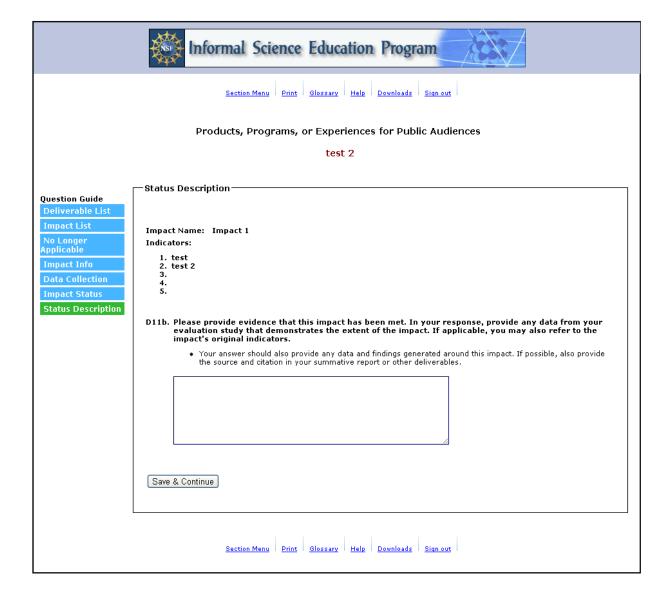
In responding to this item, please indicate whether the data collection activity will occur (1) prior to the ISE deliverable/activity, (2) during/at the end of the ISE deliverable/activity, and/or (3) at some point after the ISE deliverable/activity.

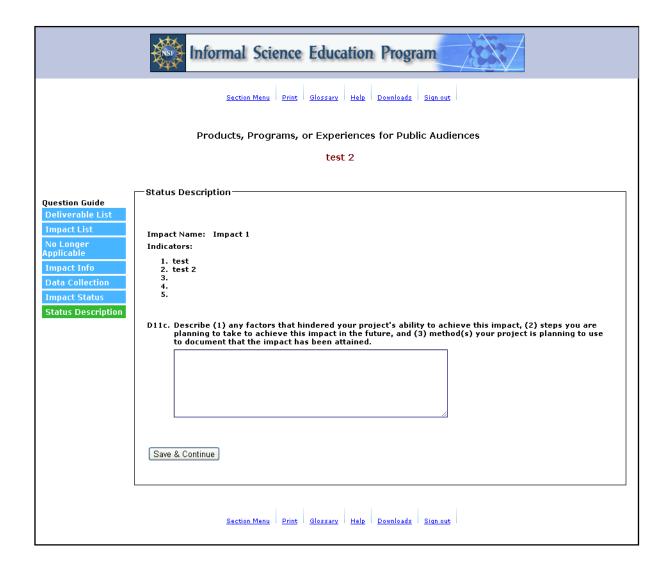
		When data will be collected		
Data Collection Activity	Prior to the ISE deliverable/ activity	the ISE	At some point <b>after</b> the ISE deliverable/ activity	
Administrative/participation data				
Museum attendance (e.g., for specific exhibits)	✓			
Program attendance (e.g., number participating in youth programs/professional development sessions)		~		
Number of viewers (e.g., for a movie, radio program, or television show)			✓	
Website hits				
School records (e.g., grades, test scores, course enrollment)				
Other administrative/participation data (specify)				
Data collected via the web/email				
Questionnaire/survey				
Formal assessment/test				
Focus groups				
Web logs by study subjects				
Other data collected via the web/email (specify)				
Debt. cells shed via telephone				
Data collected via telephone  Ouestionnaire/survey				
Formal assessment/test				
Focus groups				
Interviews				
Other data collected via telephone (specify)				
Data collected <u>AT</u> informal science education venues/programs				
Questionnaire/survey				
Formal assessment/test				
Focus groups				
Interviews (e.g., exit interviews)				
Tracking and timing studies				
Direct observations of visitors'/participants'/ educators' conversations and/or behavior				
Recording visitors'/participants'/educators' conversations and/or behavior				
Diaries/journals/records maintained by study subjects while at the informal science education venue/program				
Problem-solving tasks/sorting tasks/drawing tasks/concept maps				
Learner artifacts				
Think-aloud techniques/protocols				
Other data collected <u>AT</u> informal science education venues/programs (specify)				

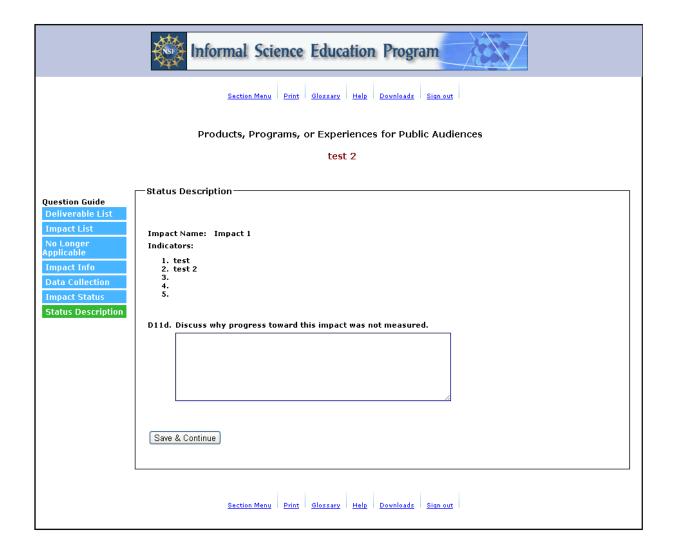
Focus groups Interviews Direct observations of study subjects' conversations/behavior outside of the informal ciclence venue/program Diaries/journals/records maintained by study subjects outside of the informal science education venue/program Other data collected OUTSIDE of informal science venues/other educational settings (specify)  Other	Questionnaire/survey		
Direct observations of study subjects' conversations/behavior outside of the informal science venue/program  Diaries/journals/records maintained by study subjects outside of the informal science education venue/program  Other data collected OUTSIDE of informal science venues/other educational settings (specify)  Other	Formal assessment/test		
(specify) Other	Focus groups		
Science venue/program  Diaries/journals/records maintained by study subjects outside of the informal science education venue/program  Other data collected OUTSIDE of informal science venues/other educational settings (specify)  Other	Interviews		
other data collected OUTSIDE of informal science venues/other educational settings (specify)  Other			
Other (specify)			
Other (specify)	Other Control of the		
	Other (specify)		

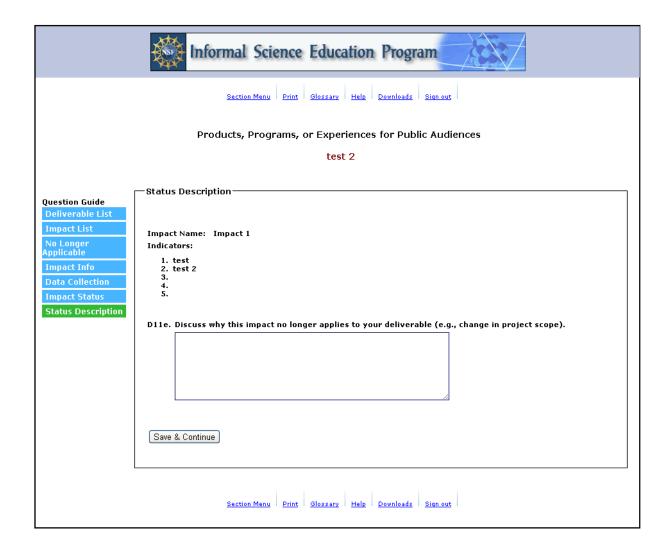




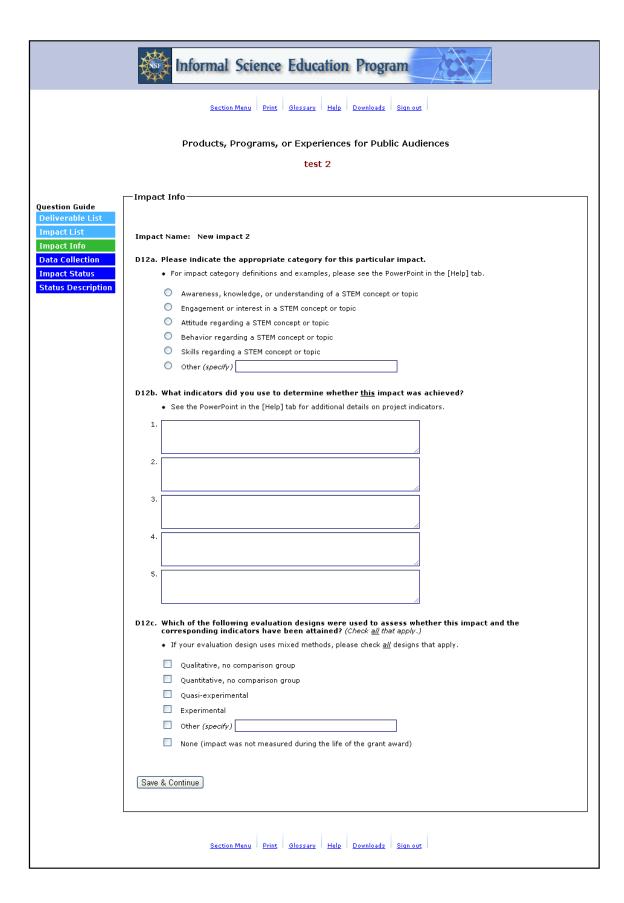








**New Impact** 



Section Menu Print Glossary Help Downloads Sign out

# Products, Programs, or Experiences for Public Audiences

test 2

uestion Guide
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Deliverable List

Impact List

Impact Info

Data Collection

Impact Status

Status Description

-Data Collection

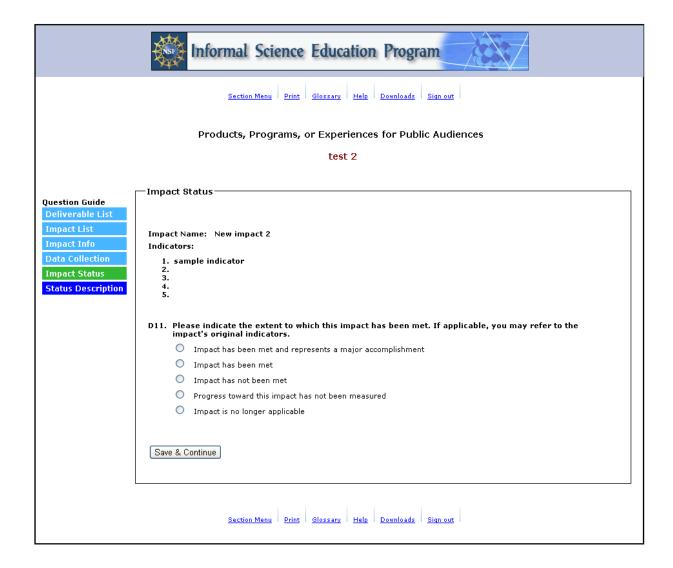
Impact Name: New impact 2

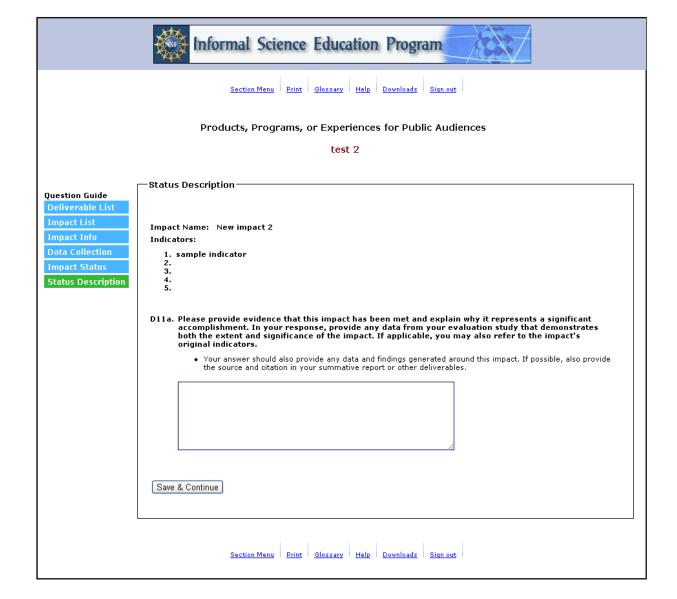
D12d. Which of the following data collection methods were used to assess whether  $\underline{\text{this}}$  impact and the corresponding indicators have been attained? (Check  $\underline{\text{all}}$  that  $\overline{\text{apply}}$ .)

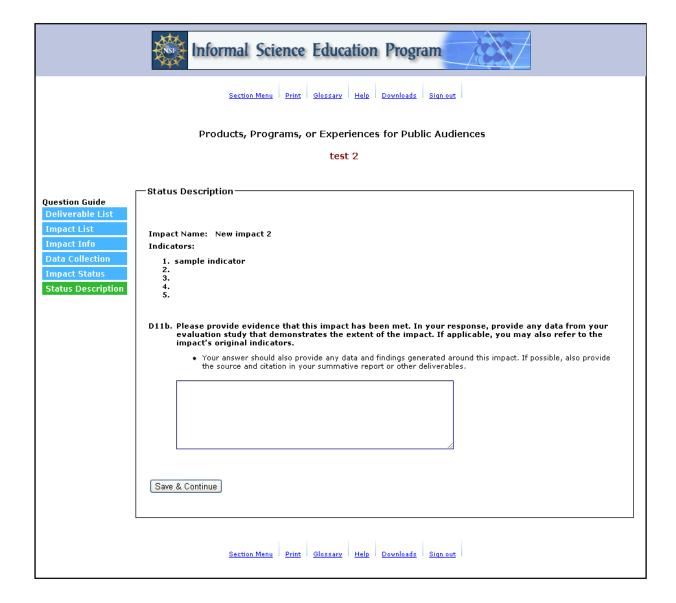
• In responding to this item, please indicate whether the data collection activity occured (1) **prior** to the ISE deliverable/activity, (2) **during/at the end of** the ISE deliverable/activity, and/or (3) at some point **after** the ISE deliverable/activity.

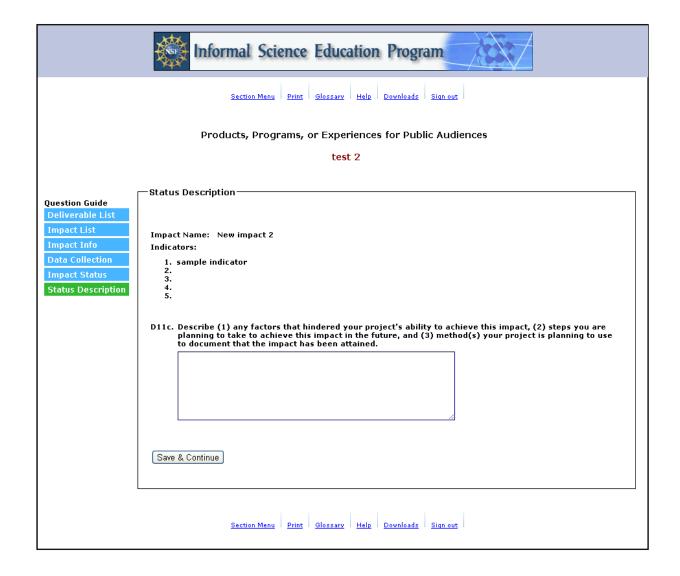
	When data was collected			
Data Collection Activity	<b>Prior</b> to the ISE deliverable/ activity	the ISE	At some point <b>after</b> the ISE deliverable/ activity	
Administrative/participation data				
Museum attendance (e.g., for specific exhibits)				
Program attendance (e.g., number participating in youth programs/professional development sessions)				
Number of viewers (e.g., for a movie, radio program, or television show)				
Website hits				
School records (e.g., grades, test scores, course enrollment)				
Other administrative/participation data (specify)				
Data collected via the web/email				
Questionnaire/survey				
Formal assessment/test				
Focus groups				
Web logs by study subjects				
Other data collected via the web/email (specify)				
Data collected via telephone				
Questionnaire/survey				
Formal assessment/test				
Focus groups				
Interviews				
Other data collected via telephone (specify)				

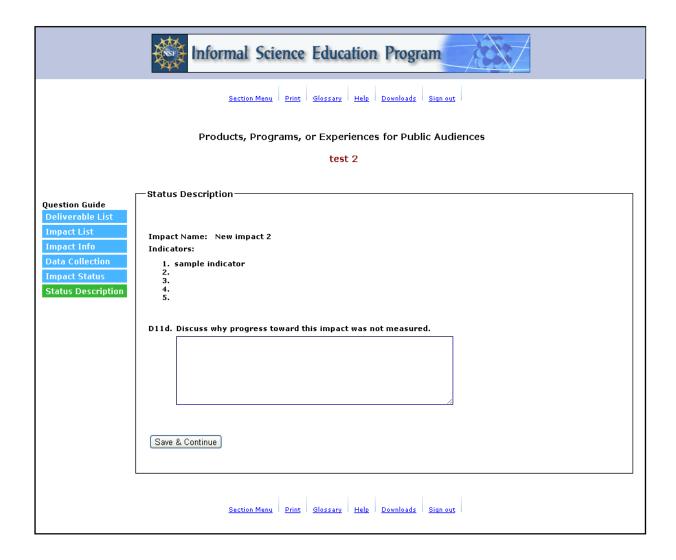
Data collected AT informal science education venues/programs
Formal assessment/test
Tracking and timing studies
Interviews (e.g., exit interviews)  Tracking and timing studies  Direct observations of visitors'/participants'/ educators' conversations and/or behavior  Recording visitors'/participants'/educators' conversations and/or behavior  Diaries/journals/records maintained by study subjects while at the informal science education venue/program  Problem-solving tasks/sorting tasks/drawing tasks/concept maps  Learner artifacts  Think-aloud techniques/protocols  Other data collected AT informal science education venues/programs (specify)  Data collected OUTSIDE of informal science education venues/other educational settings (e.g., in a participant's home)  Questionnaire/survey  Formal assessment/test  Direct observations of study subjects' conversations/behavior outside of the informal science venue/program  Diaries/journals/records maintained by study subjects outside of the informal science
Tracking and timing studies  Direct observations of visitors'/participants'/ educators' conversations and/or behavior  Recording visitors'/participants'/educators' conversations and/or behavior  Diaries/journals/records maintained by study subjects while at the informal science education venue/program  Problem-solving tasks/sorting tasks/drawing tasks/concept maps  Learner artifacts  Think-aloud techniques/protocols  Other data collected AT informal science education venues/programs (specify)  Data collected OUTSIDE of informal science education venues/other educational settings (e.g., in a participant's home)  Questionnaire/survey  Formal assessment/test  Focus groups  Interviews  Direct observations of study subjects' conversations/behavior outside of the informal science venue/program  Diaries/journals/records maintained by study subjects outside of the informal science
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Recording visitors'/participants'/educators' conversations and/or behavior    Diaries/journals/records maintained by study subjects while at the informal science education venue/program    Problem-solving tasks/sorting tasks/drawing tasks/concept maps   Diaries/journals/records   Diaries/jo
Diaries/journals/records maintained by study subjects while at the informal science education venue/program  Problem-solving tasks/sorting tasks/drawing tasks/concept maps  Learner artifacts  Think-aloud techniques/protocols  Other data collected AT informal science education venues/programs (specify)  Data collected OUTSIDE of informal science education venues/other educational settings (e.g., in a participant's home)  Questionnaire/survey  Formal assessment/test  Focus groups  Interviews  Direct observations of study subjects' conversations/behavior outside of the informal science venue/program  Diaries/journals/records maintained by study subjects outside of the informal science
education venue/program  Problem-solving tasks/sorting tasks/drawing tasks/concept maps  Learner artifacts  Think-aloud techniques/protocols  Other data collected AT informal science education venues/programs (specify)  Data collected <u>OUTSIDE</u> of informal science education venues/other educational settings (e.g., in a participant's home)  Questionnaire/survey  Formal assessment/test  Focus groups  Interviews  Direct observations of study subjects' conversations/behavior outside of the informal science  Diaries/journals/records maintained by study subjects outside of the informal science
Learner artifacts  Think-aloud techniques/protocols  Other data collected AT informal science education venues/programs (specify)  Data collected OUTSIDE of informal science education venues/other educational settings (e.g., in a participant's home)  Questionnaire/survey  Formal assessment/test  Focus groups  Interviews  Direct observations of study subjects' conversations/behavior outside of the informal science venue/program  Diaries/journals/records maintained by study subjects outside of the informal science
Think-aloud techniques/protocols  Other data collected AT informal science education venues/programs (specify)  Data collected OUTSIDE of informal science education venues/other educational settings (e.g., in a participant's home)  Questionnaire/survey  Formal assessment/test  Focus groups  Interviews  Direct observations of study subjects' conversations/behavior outside of the informal science venue/program  Diaries/journals/records maintained by study subjects outside of the informal science
Other data collected AT informal science education venues/programs (specify)  Data collected <u>OUTSIDE</u> of informal science education venues/other educational settings (e.g., in a participant's home)  Questionnaire/survey  Formal assessment/test  Focus groups  Interviews  Direct observations of study subjects' conversations/behavior outside of the informal science venue/program  Diaries/journals/records maintained by study subjects outside of the informal science
Data collected <u>DUTSIDE</u> of informal science education venues/other educational settings (e.g., in a participant's home)  Questionnaire/survey  Formal assessment/test  Focus groups  Interviews  Direct observations of study subjects' conversations/behavior outside of the informal science venue/program  Diaries/journals/records maintained by study subjects outside of the informal science
participant's home)  Questionnaire/survey  Formal assessment/test  Focus groups  Interviews  Direct observations of study subjects' conversations/behavior outside of the informal science venue/program  Diaries/journals/records maintained by study subjects outside of the informal science
Formal assessment/test  Focus groups  Interviews  Direct observations of study subjects' conversations/behavior outside of the informal science venue/program  Diaries/journals/records maintained by study subjects outside of the informal science
Focus groups  Interviews  Direct observations of study subjects' conversations/behavior outside of the informal science venue/program  Diaries/journals/records maintained by study subjects outside of the informal science
Interviews  Direct observations of study subjects' conversations/behavior outside of the informal science venue/program Diaries/journals/records maintained by study subjects outside of the informal science
Direct observations of study subjects' conversations/behavior outside of the informal science venue/program  Diaries/journals/records maintained by study subjects outside of the informal science
science venue/program  Diaries/journals/records maintained by study subjects outside of the informal science
Caacater Vollacyprogram
Other data collected OUTSIDE of informal science venues/other educational settings (specify)
Other (specify)
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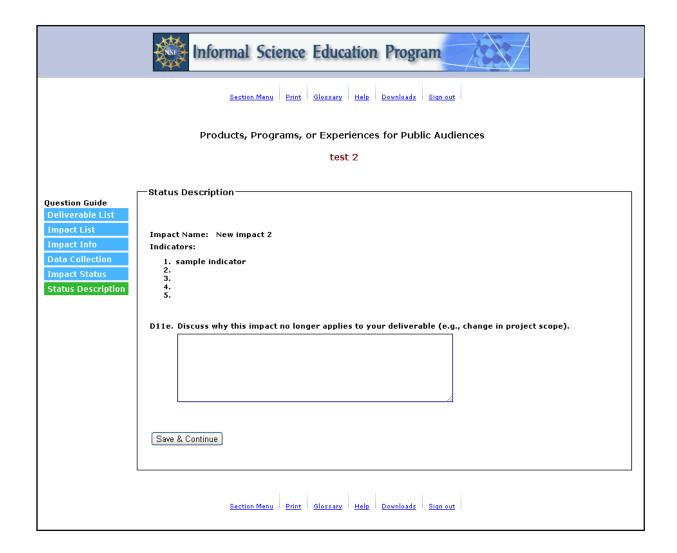












**New Deliverable** 

# Products, Programs, or Experiences for Public Audiences

# New Deliverable Sample

_ Deliv	erable Type	
D13.	Please indicate the deliverable type that best describes this product, program, or experience. (Se/e	ct
	one.)	
	Audio and Video	
	Planetarium show (at one or more public venues)	0
	Full-length film/movie	0
	Television segment/episode/program/series	0
	Video segment/clip/program/series (that does not originate on television or full-length film/movie)	0
	Radio segment/episode/program/series (that originates on AM/FM/HD/satellite radio)	0
	Audio segment/episode/program/series (that does <u>not</u> originate on radio)	0
	Other audio or video (specify)	0
	Exhibits (not including virtual exhibits)	
	Permanent exhibit (create/revise exhibit at one or more public venues)	0
	Temporary exhibit (create/revise exhibit at one or more public venues)	0
	Traveling exhibit (create/revise traveling exhibit at two or more public venues)	0
	Other exhibit (specify)	0
	Programs, Events, and Activities	
	After-school or summer program for youth (e.g., at a youth or community center)	0
	Science café	0
	Group/club (e.g., astronomy club)	0
	Group-oriented program (e.g., family nights at a museum)	0
	Festival or other one-time/annual event	0
	Theater production or performance	0
	Research and/or data collection BY citizen scientists	0
	Other program or event (specify)	0
	Resource Materials and Information Sharing	
	Blog/newsletter	
	Newspaper/magazine (article or entire publication)	0
	Discussion group/forum (e.g., face-to-face or online)	0
	Presentation BY STEM/other professionals for the general public (e.g., lectures by scientists or other STEM professionals at museums or other public venues)	0
	Presentation BY informal learners (e.g., seminar by citizen scientists describing findings from their research or data)	0
	Research paper or issue brief (e.g., paper prepared by citizen scientists describing findings from their research or data)	0
	Informational guides (e.g., family guides that help explain key concepts in a museum exhibit)	0
	Demonstration/activity kit/guide (with supplies and/or instructions to perform experiments or activities)	0
	Other resource materials (specify)	0
	Infrastructure Development or Enhancement for Facilitated Communication	
	Wiki website (e.g., allows creation and editing of interlinked web pages via a web browser using a simplified markup language)	0
	Database on project website (e.g., database to collect data from citizen scientists)	0
	Database on non-project website (e.g., developing the capacity to contribute to an existing database)	0
	Other infrastructure (specify)	0
	Games and Information and Communication Technologies	
	Game (e.g., mobile online games, massively multiplayer online games, console games, board games)	0
	Social virtual world (e.g., computer-based simulated environments such as Second Life)	0
	Simulation (e.g., a virtual museum exhibit, a simulation of a scientific phenomenon)	0
	Application for mobile/wireless device (e.g., GPS or iPhone/iPad application)	0
	Other information and communication technology (specify)	0
	Duniost Walksita	
	Project website	
	Project Website Project Website	0

Save & Continue

Other (specify)

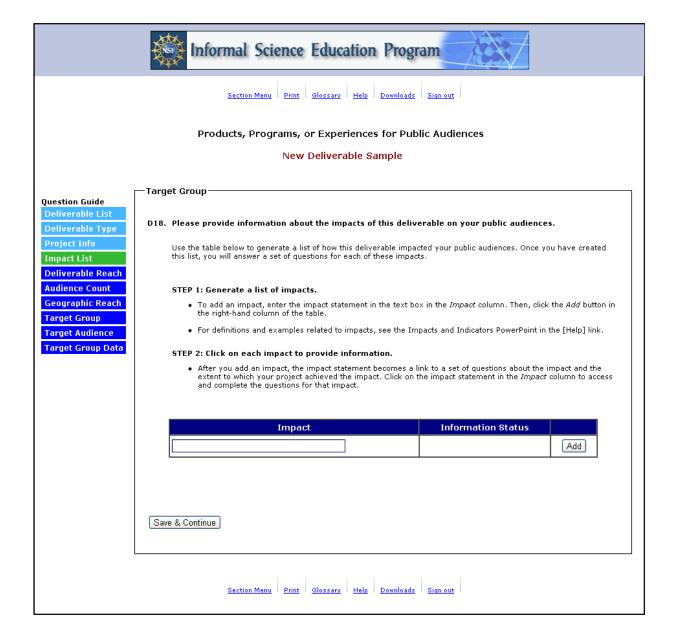
# Products, Programs, or Experiences for Public Audiences

# New Deliverable Sample

-Proje	ect Info		
D14	Please provide a brief description (i.e., 2-3 sentences) of this deliverable.		
D14.			
	<ul> <li>Include information about any specific public audiences that were targeted by this deliverable unique or innovative features of the deliverable that are worth noting (e.g., the use of</li> </ul>		
	and a second sec	15 1110710 100111	0.09, ,.
D15	Please indicate whether this deliverable is a primary or secondary focus of yo	ur ouerall ISE	project
D13.	riease mulcate whether this deliverable is a primary of secondary focus of yo	ui uveiaii 13L	project.
	Primary focus (i.e., at least 25 percent of your overall ISE project effort in terms of	hudget and/or	staff time l
	Secondary focus (i.e., less than 25 percent of your overall ISE project effort in term		
	Secondary rocus (ne., less than 25 percent or your overall 152 project enter in term	is or budget and	iyor scarr ciri
D16.	Which of the following are the primary and secondary STEM content foci of this	deliverable?	
	This item focuses exclusively on the STEM content that is being conveyed by this delive	arable (e.a. wh	at the proje
	is looking to educate public audiences about).	erable (e.g., wil	at the projet
	• Check up to two primary STEM content foci for this deliverable. Check all remaining se	condary STEM (	content foci
	that apply for this deliverable.		
	NSF Division STEM Content Area	Primary	Secondar
	Biological Sciences	·	
	Environmental Biology		
	Integrative Organismal Systems		
	Integrative Organismal Systems  Molecular and Cellular Biosciences		
	Molecular and Cellular Biosciences		
	Molecular and Cellular Biosciences  Other biological sciences (specify)		
	Molecular and Cellular Biosciences  Other biological sciences (specify)  Computer and Informational Sciences		
	Molecular and Cellular Biosciences  Other biological sciences (specify)  Computer and Informational Sciences  Computer and Network Systems		
	Molecular and Cellular Biosciences  Other biological sciences (specify)  Computer and Informational Sciences  Computer and Network Systems  Intelligent Systems and Robotics		
	Molecular and Cellular Biosciences  Other biological sciences (specify)  Computer and Informational Sciences  Computer and Network Systems		
	Molecular and Cellular Biosciences  Other biological sciences (specify)  Computer and Informational Sciences  Computer and Network Systems  Intelligent Systems and Robotics		
	Molecular and Cellular Biosciences  Other biological sciences (specify)  Computer and Informational Sciences  Computer and Network Systems  Intelligent Systems and Robotics  Other computer and informational sciences (specify)		
	Molecular and Cellular Biosciences  Other biological sciences (specify)  Computer and Informational Sciences  Computer and Network Systems  Intelligent Systems and Robotics  Other computer and informational sciences (specify)  Engineering		
	Molecular and Cellular Biosciences  Other biological sciences (specify)  Computer and Informational Sciences  Computer and Network Systems  Intelligent Systems and Robotics  Other computer and informational sciences (specify)  Engineering  Chemical, Bioengineering, Environmental, Transport Systems  Civil, Mechanical and Manufacturing Innovation		
	Molecular and Cellular Biosciences Other biological sciences (specify)  Computer and Informational Sciences  Computer and Network Systems  Intelligent Systems and Robotics Other computer and informational sciences (specify)  Engineering Chemical, Bioengineering, Environmental, Transport Systems  Civil, Mechanical and Manufacturing Innovation Electrical, Communications and Cyber Systems		
	Molecular and Cellular Biosciences  Other biological sciences (specify)  Computer and Informational Sciences  Computer and Network Systems  Intelligent Systems and Robotics  Other computer and informational sciences (specify)  Engineering  Chemical, Bioengineering, Environmental, Transport Systems  Civil, Mechanical and Manufacturing Innovation  Electrical, Communications and Cyber Systems  Other engineering (specify)		
	Molecular and Cellular Biosciences  Other biological sciences (specify)  Computer and Informational Sciences  Computer and Network Systems  Intelligent Systems and Robotics  Other computer and informational sciences (specify)  Engineering  Chemical, Bioengineering, Environmental, Transport Systems  Civil, Mechanical and Manufacturing Innovation  Electrical, Communications and Cyber Systems  Other engineering (specify)  Geosciences		
	Molecular and Cellular Biosciences  Other biological sciences (specify)  Computer and Informational Sciences  Computer and Network Systems  Intelligent Systems and Robotics  Other computer and informational sciences (specify)  Engineering  Chemical, Bioengineering, Environmental, Transport Systems  Civil, Mechanical and Manufacturing Innovation  Electrical, Communications and Cyber Systems  Other engineering (specify)  Geosciences  Atmospheric Sciences		
	Other biological sciences (specify)  Computer and Informational Sciences  Computer and Network Systems  Intelligent Systems and Robotics  Other computer and informational sciences (specify)  Engineering  Chemical, Bioengineering, Environmental, Transport Systems  Civil, Mechanical and Manufacturing Innovation  Electrical, Communications and Cyber Systems  Other engineering (specify)  Geosciences  Atmospheric Sciences  Earth Sciences		
	Molecular and Cellular Biosciences  Other biological sciences (specify)  Computer and Informational Sciences  Computer and Network Systems  Intelligent Systems and Robotics  Other computer and informational sciences (specify)  Engineering  Chemical, Bioengineering, Environmental, Transport Systems  Civil, Mechanical and Manufacturing Innovation  Electrical, Communications and Cyber Systems  Other engineering (specify)  Geosciences  Atmospheric Sciences		
	Other biological sciences (specify)  Computer and Informational Sciences  Computer and Network Systems  Intelligent Systems and Robotics  Other computer and informational sciences (specify)  Engineering  Chemical, Bioengineering, Environmental, Transport Systems  Civil, Mechanical and Manufacturing Innovation  Electrical, Communications and Cyber Systems  Other engineering (specify)  Geosciences  Atmospheric Sciences  Earth Sciences		
	Molecular and Cellular Biosciences  Other biological sciences (specify)  Computer and Informational Sciences  Computer and Network Systems  Intelligent Systems and Robotics  Other computer and informational sciences (specify)  Engineering  Chemical, Bioengineering, Environmental, Transport Systems  Civil, Mechanical and Manufacturing Innovation  Electrical, Communications and Cyber Systems  Other engineering (specify)  Geosciences  Atmospheric Sciences  Earth Sciences  Ocean Sciences		
	Molecular and Cellular Biosciences  Other biological sciences (specify)  Computer and Informational Sciences  Computer and Network Systems  Intelligent Systems and Robotics  Other computer and informational sciences (specify)  Engineering  Chemical, Bioengineering, Environmental, Transport Systems  Civil, Mechanical and Manufacturing Innovation  Electrical, Communications and Cyber Systems  Other engineering (specify)  Geosciences  Atmospheric Sciences  Earth Sciences  Ocean Sciences  Other geosciences (specify)		
	Molecular and Cellular Biosciences Other biological sciences (specify)  Computer and Informational Sciences Computer and Network Systems Intelligent Systems and Robotics Other computer and informational sciences (specify)  Engineering Chemical, Bioengineering, Environmental, Transport Systems Civil, Mechanical and Manufacturing Innovation Electrical, Communications and Cyber Systems Other engineering (specify)  Geosciences Atmospheric Sciences Earth Sciences Ocean Sciences Other geosciences (specify)  Math and Physical Sciences		
	Molecular and Cellular Biosciences Other biological sciences (specify)  Computer and Informational Sciences Computer and Network Systems Intelligent Systems and Robotics Other computer and informational sciences (specify)  Engineering Chemical, Bioengineering, Environmental, Transport Systems Civil, Mechanical and Manufacturing Innovation Electrical, Communications and Cyber Systems Other engineering (specify)  Geosciences Atmospheric Sciences Earth Sciences Ocean Sciences Other geosciences (specify)  Math and Physical Sciences Astronomical Sciences		
	Molecular and Cellular Biosciences  Other biological sciences (specify)  Computer and Informational Sciences  Computer and Network Systems  Intelligent Systems and Robotics  Other computer and informational sciences (specify)  Engineering  Chemical, Bioengineering, Environmental, Transport Systems  Civil, Mechanical and Manufacturing Innovation  Electrical, Communications and Cyber Systems  Other engineering (specify)  Geosciences  Atmospheric Sciences  Earth Sciences  Ocean Sciences  Other geosciences (specify)  Math and Physical Sciences  Astronomical Sciences  Chemistry		

Other math and physical sciences (specify)

Social, Behavioral and Economic Sciences	
Behavioral and Cognitive Sciences	
Human and Social Dynamics	
Science of Learning	
Science Resource Statistics	
Social and Economic Sciences	
Other social, behavioral and economic sciences (specify)	
Other	
Other (specify)	
O No	
O Yes	
If Yes, please describe the steps taken to make this deliverable interdisciplinary	
in res, prease describe die sceps taken to make diis denverable interdisciplinary	
ave & Continue	





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# Products, Programs, or Experiences for Public Audiences

# New Deliverable Sample

on Guide	— Impact Info
rable List	
t List	Impact Name: sample impact
t Info	
Collection	D18a. Please indicate the appropriate category for this particular impact.
t Status	<ul> <li>For impact category definitions and examples, please see the Impacts and Indicators PowerPoint in the [Help] link.</li> </ul>
Description	<ul> <li>Awareness, knowledge, or understanding of a STEM concept or topic</li> </ul>
	Engagement or interest in a STEM concept or topic
	Attitude regarding a STEM concept or topic
	Behavior regarding a STEM concept or topic
	Skills regarding a STEM concept or topic
	Other (specify)
	D18b. What indicators did you use to determine whether this impact was achieved?
	<ul> <li>See the Impacts and Indicators PowerPoint in the [Help] link for additional details on project indicators.</li> </ul>
	1.
	2.
	3.
	4.
	5.
	D18c. Which of the following evaluation designs were used to assess whether this impact and the corresponding indicators have been attained? (Check <u>all</u> that apply.)
	<ul> <li>If your evaluation design used mixed methods, please check <u>all</u> designs that apply.</li> </ul>
	Qualitative, no comparison group
	Quantitative, no comparison group
	Quasi-experimental
	☐ Experimental
	Other (specify)
	None (impact was not measured during the life of the grant award)
	Save & Continue

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### Products, Programs, or Experiences for Public Audiences

New Deliverable Sample

Question Gui
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Deliverable List

Impact List

mpact Info

Data Collection

Impact Status

Status Description

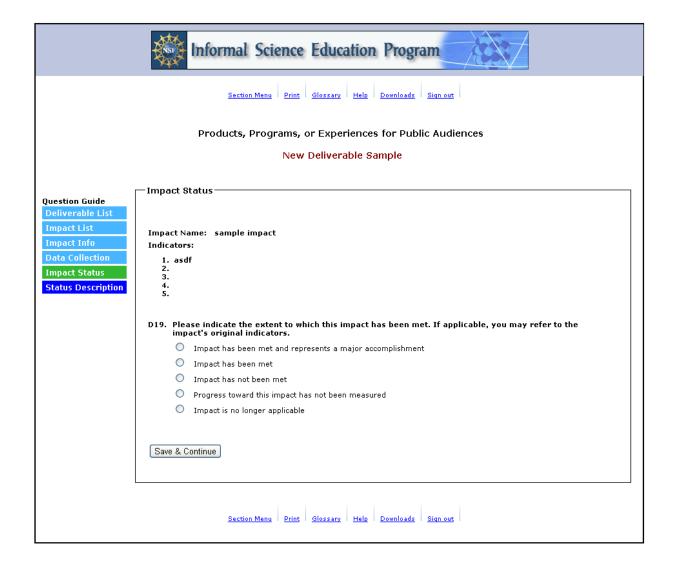
-Data Collection

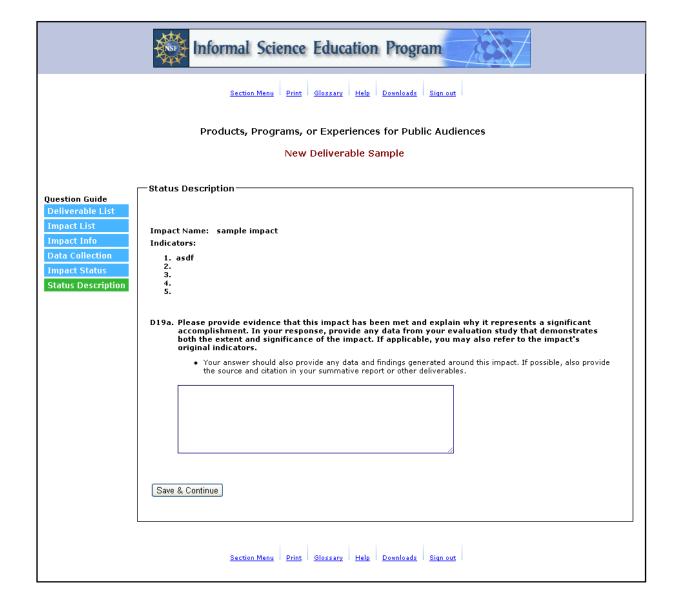
D18d. Which of the following data collection methods were used to assess whether <u>this</u> impact and the corresponding indicators have been attained? (Check <u>all</u> that apply.)

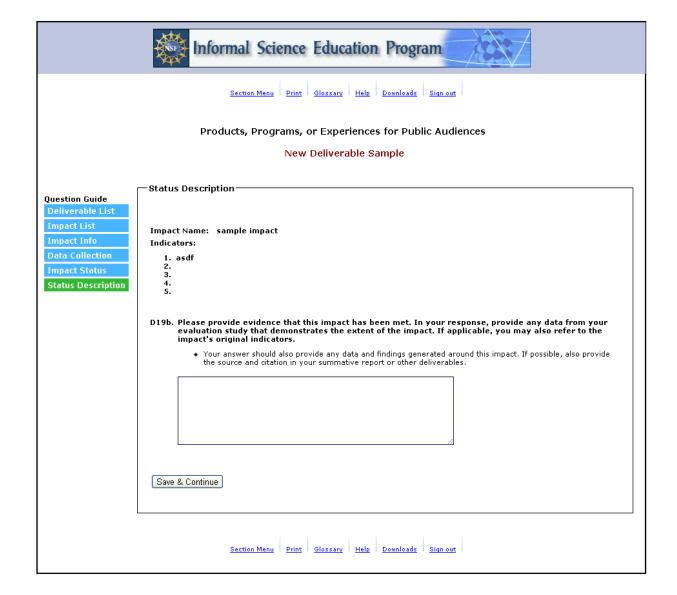
• In responding to this item, please indicate whether the data collection activity occured (1) **prior** to the ISE deliverable/activity, (2) **during/at the end of** the ISE deliverable/activity, and/or (3) at some point **after** the ISE deliverable/activity.

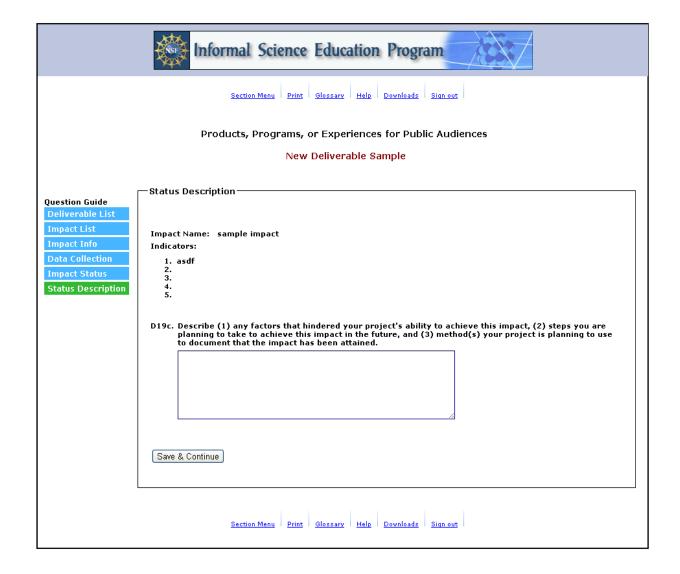
	When	When data was collec		
Data Collection Activity	Prior to the ISE deliverable/ activity	During/at the end of the ISE deliverable/ activity		
Administrative/participation data				
Museum attendance (e.g., for specific exhibits)				
Program attendance (e.g., number participating in youth programs/professional development sessions)				
Number of viewers (e.g., for a movie, radio program, or television show)				
Website hits				
School records (e.g., grades, test scores, course enrollment)				
Other administrative/participation data (specify)				
Data collected via the web/email				
Questionnaire/survey				
Formal assessment/test				
Focus groups				
Web logs by study subjects				
Other data collected via the web/email (specify)				
Data collected via telephone				
Questionnaire/survey				
Formal assessment/test				
Focus groups				
Interviews				
Other data collected via telephone (specify)				

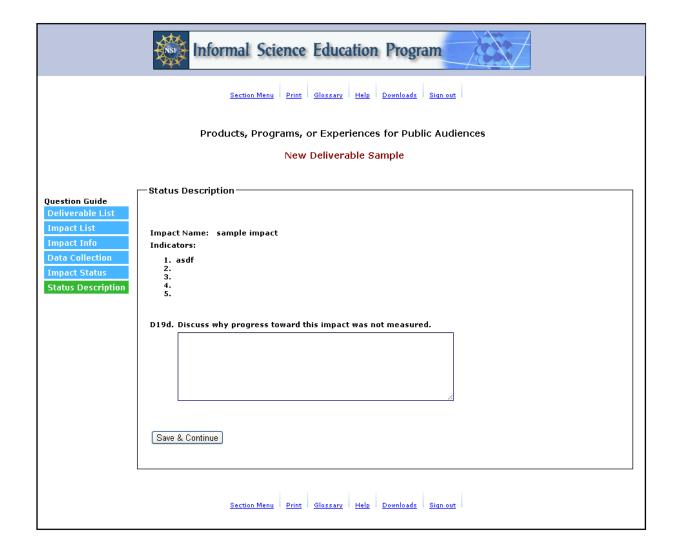
Questionnaire/survey			
Formal assessment/test			
Focus groups			
nterviews (e.g., exit interviews)			
Tracking and timing studies			
Direct observations of visitors'/participants'/ educators' conversations and/or behavior			
Recording visitors'/participants'/educators' conversations and/or behavior			
Diaries/journals/records maintained by study subjects while at the informal science education venue/program			
Problem-solving tasks/sorting tasks/drawing tasks/concept maps			
Learner artifacts			
Think-aloud techniques/protocols			
Other data collected <u>AT</u> informal science education venues/programs (specify)			
Data collected <u>OUTSIDE</u> of informal science education venues/other educati participant's home)	onal settings	(e.g., in a	
Questionnaire/survey			
Formal assessment/test			
Focus groups			
Interviews			
Direct observations of study subjects' conversations/behavior outside of the informal science venue/program			
Diaries/journals/records maintained by study subjects outside of the informal science education venue/program			
Other data collected <u>OUTSIDE</u> of informal science venues/other educational settings (specify)			
Other			
Other (specify)			

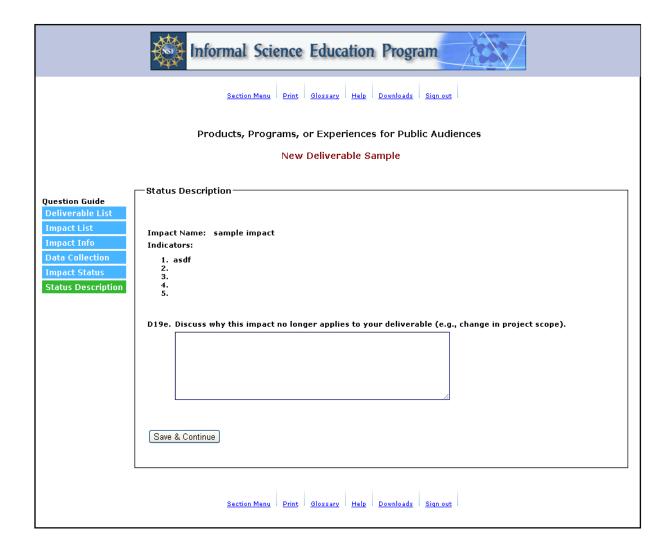


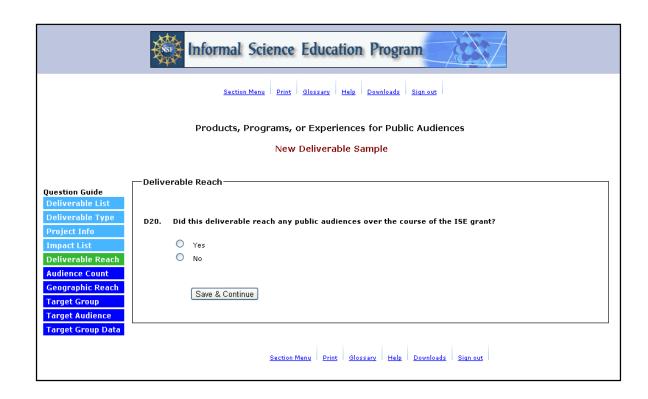












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# Products, Programs, or Experiences for Public Audiences

New Deliverable Sample

#### **Question Guide**

Deliverable List
Deliverable Type

Project Info

Dolivorable Reach

Audience Count

Geographic Reach

Target Group

Target Audience

Target Group Data

### Audience Count

D21a. In the table below, please select the method or methods that were used to deliver <u>this</u> product, program, or experience to your public audiences over the course of the ISE grant.

For each selected delivery method, provide the number of individuals that you reached with  $\it this$  deliverable over the course of the ISE grant.

If possible, provide an <u>unduplicated count</u> of the number of individuals that used a given delivery method to listen, view, read, and/or use <u>this</u> deliverable during the ISE grant award period. If you are only providing an unduplicated count, please leave the duplicated count field blank.

Click here for the ISE definition of unduplicated counts.

In cases where it is not possible to provide an unduplicated count for a given delivery method, provide a <u>duplicated</u> <u>count</u> of the number of individuals that listened to, viewed, read, and/or used <u>this</u> deliverable. If you are only providing a <u>duplicated</u> <u>count</u>, <u>please leave the unduplicated count field blank</u>.

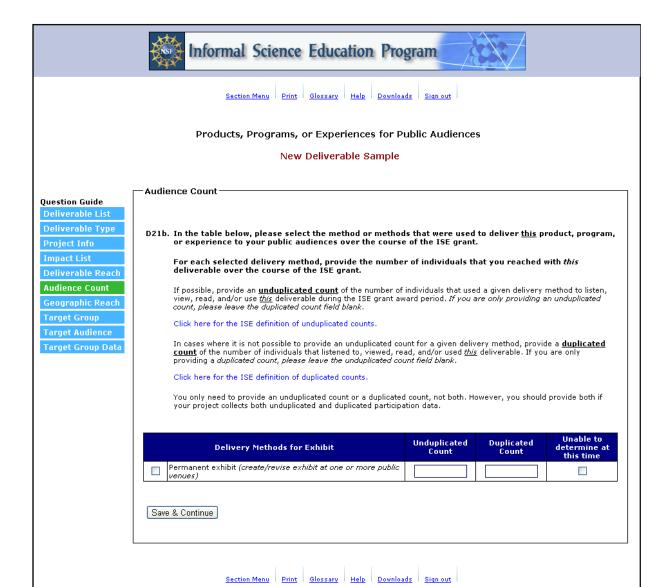
Click here for the ISE definition of duplicated counts.

You only need to provide an unduplicated count or a duplicated count, not both. However, you should provide both if your project collects both unduplicated and duplicated participation data.

Delivery Methods for Audio or Video	Unduplicated Count	Duplicated Count	Unable to determine at this time
DVD or CD-ROM			
Accessed at an exhibit (e.g., video segment that appears in a museum exhibit)			
AM/FM/HD/satellite radio			
Television (e.g., network or cable)			
Theater at an informal science education institution (e.g., IMAX theater in a museum, planetarium)			
Commercial theater (e.g., movie theater)			
Theater in another setting (e.g., community center)			
Fulldome			
Project Website: Video/Audio that can be accessed or downloaded (e.g., as a podcast) from <u>your project</u> website			
Non-Project Website: Video/Audio that can be accessed or downloaded (e.g., as a podcast) on other <u>non-project</u> websites (e.g., YouTube or social networking site)			
Other (specify)			

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# Products, Programs, or Experiences for Public Audiences

New Deliverable Sample

#### **Question Guide**

eliverable List

Project Info

(mpact Lis

Deliverable Reach

Audience Count

Geographic Reach

Target Group

Target Group Dat

#### -Audience Count-

D21c. In the table below, please select the method or methods that were used to deliver <u>this</u> product, program, or experience to your public audiences over the course of the ISE grant.

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If possible, provide an <u>unduplicated count</u> of the number of individuals that used a given delivery method to listen, view, read, and/or use <u>this</u> deliverable during the ISE grant award period. If you are only providing an unduplicated count, please leave the duplicated count field blank.

Click here for the ISE definition of unduplicated counts.

In cases where it is not possible to provide an unduplicated count for a given delivery method, provide a <u>duplicated</u> count of the number of individuals that listened to, viewed, read, and/or used <u>this</u> deliverable. If you are only providing a <u>duplicated</u> count, please leave the unduplicated count field blank.

Click here for the ISE definition of duplicated counts.

You only need to provide an unduplicated count or a duplicated count, not both. However, you should provide both if your project collects both unduplicated and duplicated participation data.

D	elivery Methods for Programs, Events, and Activities	Unduplicated Count	Duplicated Count	Unable to determine at this time
	In-person or field-based activity (e.g., students at an after- school/summer program, adults attending a science café at a public venue, scientists taking questions at a museum)			
	Real-time online discussion group and/or videoconferencing (e.g., Skype)			
	Project Website: Accessed/used/downloaded from <u>your project</u> website			
	Non-Project Website: Accessed/used/downloaded on other non-project websites (e.g., social networking sites)			
	Mobile/wireless device (e.g., submitting data on a cell phone via texting)			
	Other (specify)			

Save & Continue

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# Products, Programs, or Experiences for Public Audiences

New Deliverable Sample

### **Question Guide**

Deliverable List

Deliverable Type

Project Info

Impact Lis

Deliverable Reach

Audience Count

Geographic Reach

Target Group

Target Audience

Target Group Dat

#### Audience Count

D21d. In the table below, please select the method or methods that were used to deliver <u>this</u> product, program, or experience to your public audiences over the course of the ISE grant.

For each selected delivery method, provide the number of individuals that you reached with  $\it this$  deliverable over the course of the ISE grant.

If possible, provide an <u>unduplicated count</u> of the number of individuals that used a given delivery method to listen, view, read, and/or use <u>this</u> deliverable during the ISE grant award period. If you are only providing an unduplicated count, please leave the duplicated count field blank.

Click here for the ISE definition of unduplicated counts.

In cases where it is not possible to provide an unduplicated count for a given delivery method, provide a <u>duplicated count</u> of the number of individuals that listened to, viewed, read, and/or used <u>this</u> deliverable. If you are only providing a <u>duplicated count</u>, <u>please leave the unduplicated count field blank</u>.

Click here for the ISE definition of duplicated counts.

You only need to provide an unduplicated count or a duplicated count, not both. However, you should provide both if your project collects both unduplicated and duplicated participation data.

Delivery Methods for Resource Materials and Information Sharing		Unduplicated Count	Duplicated Count	Unable to determine at this time
	Printed hard copy materials			
	Project Website: Accessed/used/downloaded from your project website			
	Non-Project Website: Accessed/used/downloaded on other non-project websites (e.g., social networking sites)			
	In-person or field-based activity (e.g., informal learners attending a lecture by scientists at a museum or participating in a forum)			
	Real-time online discussion group and/or videoconferencing (e.g., Skype)			
	Physical materials (e.g., manipulatives)			
	Mobile/wireless device			
	Other (specify)			

Save & Continue

Section Menu Print Glossary Help Downloads Sign out

Deliverable Type

Deliverable Reach

Audience Count

Geographic Re<u>ach</u>

Target Group Data

D21e. In the table below, please select the method or methods that were used to deliver <u>this</u> product, program, or experience to your public audiences over the course of the ISE grant.

For each selected delivery method, provide the number of individuals that you reached with this deliverable over the course of the ISE grant.

If possible, provide an <u>unduplicated count</u> of the number of individuals that used a given delivery method to listen, view, read, and/or use <u>this</u> deliverable during the ISE grant award period. If you are only providing an unduplicated count, please leave the duplicated count field blank.

Click here for the ISE definition of unduplicated counts.

In cases where it is not possible to provide an unduplicated count for a given delivery method, provide a <u>duplicated count</u> of the number of individuals that listened to, viewed, read, and/or used <u>this</u> deliverable. If you are only providing a <u>duplicated count</u>, <u>please leave the unduplicated count field blank</u>.

Click here for the ISE definition of duplicated counts.

You only need to provide an unduplicated count or a duplicated count, not both. However, you should provide both if your project collects both unduplicated and duplicated participation data.

Delivery Methods		Unduplicated Count	Duplicated Count	Unable to determine at this time
	Wiki website (e.g., allows creation and editing of interlinked web pages via a web browser using a simplified markup language)			

Save & Continue

Section Menu Print Glossary Help Downloads Sign out

#### Products, Programs, or Experiences for Public Audiences

New Deliverable Sample

#### **Question Guide**

)eliverable List

Project Info

IIIpact List

Deliverable Reach

Audience Count

Geographic Reach

Target Group

Target Audiend

Target Croup Dat

#### -Audience Count-

D21f. In the table below, please select the method or methods that were used to deliver <u>this</u> product, program, or experience to your public audiences over the course of the ISE grant.

For each selected delivery method, provide the number of individuals that you reached with  $\it this$  deliverable over the course of the ISE grant.

If possible, provide an <u>unduplicated count</u> of the number of individuals that used a given delivery method to listen, view, read, and/or use <u>this</u> deliverable during the ISE grant award period. If you are only providing an unduplicated count, please leave the duplicated count field blank.

Click here for the ISE definition of unduplicated counts.

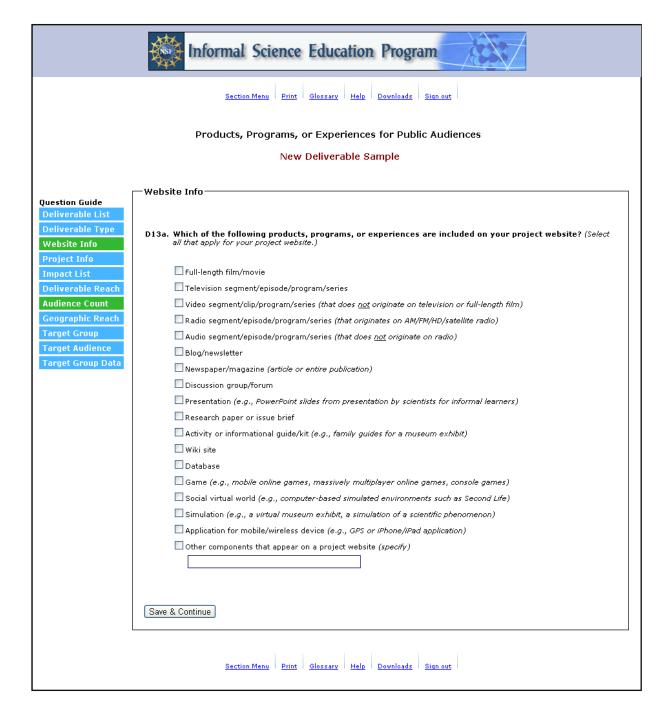
In cases where it is not possible to provide an unduplicated count for a given delivery method, provide a <u>duplicated</u> <u>count</u> of the number of individuals that listened to, viewed, read, and/or used <u>this</u> deliverable. If you are only providing a <u>duplicated</u> count, please leave the unduplicated count field blank.

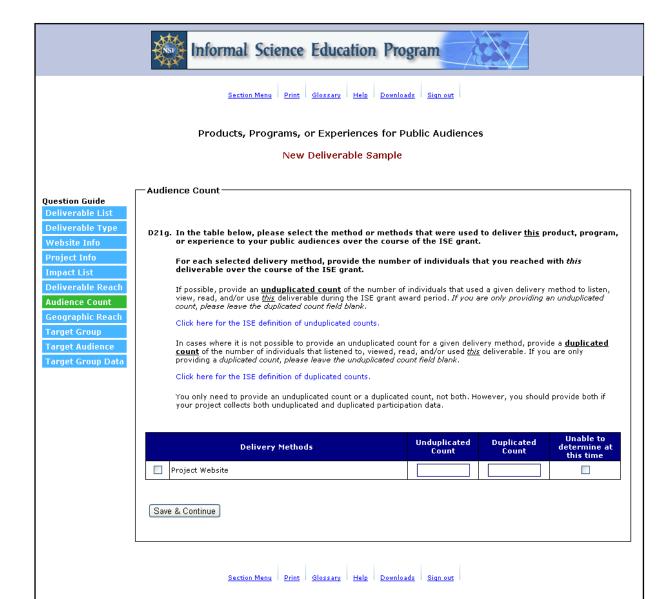
Click here for the ISE definition of duplicated counts.

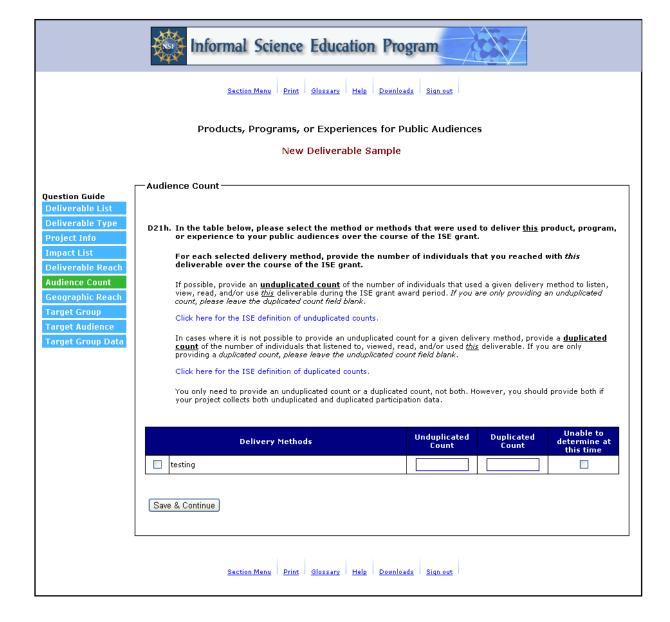
You only need to provide an unduplicated count or a duplicated count, not both. However, you should provide both if your project collects both unduplicated and duplicated participation data.

Delivery Methods for Games and Information and Communication Technologies	Unduplicated Count	Duplicated Count	Unable to determine at this time
Project Website: Accessed/used/downloaded from your project website			
Non-Project Website: Accessed/used/downloaded on other non-project websites (e.g., social networking sites)			
Accessed/used at an exhibit (e.g., at a kiosk in a museum exhibit)			
Downloaded to computer or other device			
DVD or CD-ROM			
Video game			
Board game			
Mobile/wireless device (e.g., GPS, iPad)			
Other (specify)			

Save & Continue









# Products, Programs, or Experiences for Public Audiences New Deliverable Sample Geographic Reach **Question Guide** D22. Which of the following best describes the actual geographic reach of the public audiences that accessed or used $\underline{\text{this}}$ deliverable over the course of the ISE grant? (Check one.) Project Info Single community or metropolitan region Select even if the community or metropolitan region spans multiple states (e.g., the Washington, D.C., metropolitan area—which includes the District of Columbia, Maryland, and Virginia). Audience Count Geographic Reach Multiple communities within a single state or U.S. territory Select if the deliverable reached public audiences in two or more communities or metropolitan regions within a single state (e.g., a radio program that will be broadcast in Los Angeles and San Francisco). Target Group Target Audience Multiple states and or U.S. territories Do not select if the deliverable only reached a public audience in a single metropolitan area that spans multiple states (e.g., the Washington, D.C., metropolitan area—which includes the District of Columbia, Maryland, and Virginia). Target Group Data Specify in how many states and/or territories this deliverable reached public audiences over the course of the ISE grant: D23. Did this deliverable target international public audiences outside of the United States and U.S. territories over the course of the ISE grant? O No If Yes, please describe the steps that were taken to reach international public audiences with $\underline{\text{this}}$ deliverable over the Save & Continue Section Menu | Print | Glossary | Help | Downloads | Sign out



#### Products, Programs, or Experiences for Public Audiences

New Deliverable Sample

#### Question Guide

Deliverable List
Deliverable Type
Project Info

Impact List

Deliverable Reach

Audience Count Geographic Reach

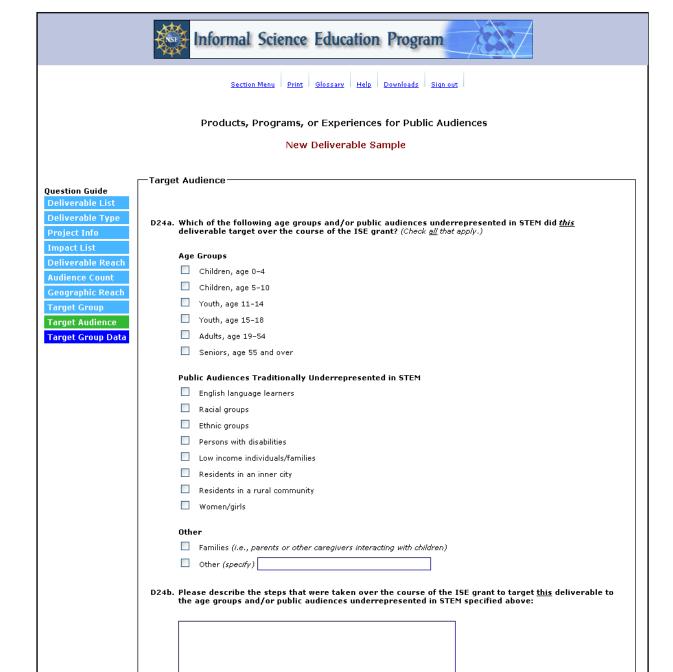
Target Group

Target Audience Target Group Data

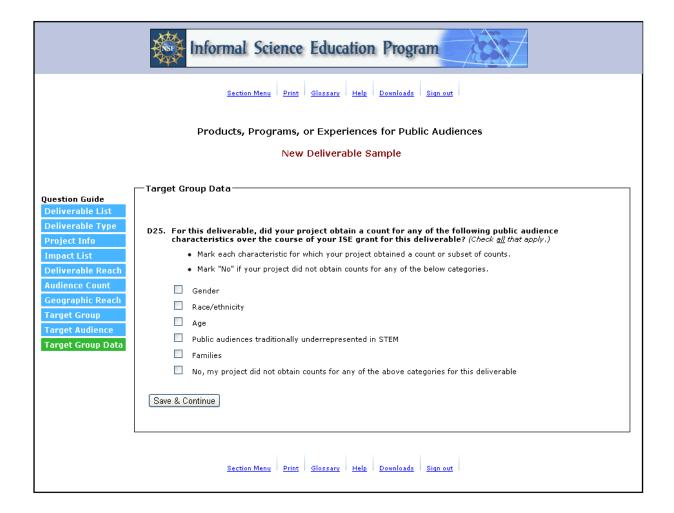
#### -Target Group

- D24. Which of the following best describes the public audience(s) that were targeted by <a href="mailto:this:hits-deliverable-over-the-course-of-the-ISE">this:hits-deliverable-over-the-course-of-the-ISE</a> grant? (Check one.)
  - For the purposes of this item, target group refers to (1) a specific age group (e.g., youth, age 5-10), (2) caregivers interacting with their children, and/or (3) public audiences traditionally underrepresented in STEM.
  - The general public only (i.e., there were MO efforts to direct this deliverable toward a specific target group)
  - The general public <u>AND</u> specific target groups (i.e., the deliverable targeted <u>BOTH</u> the general public <u>AND</u> one or more specific target groups)
  - A specific target group only (i.e., the deliverable targeted a specific target group(s)—but <u>NOT</u> the general public)

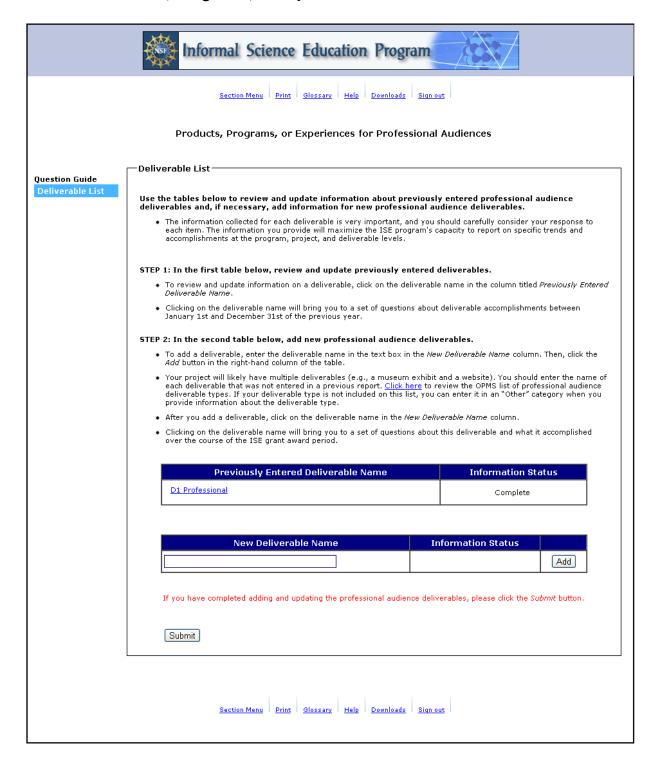
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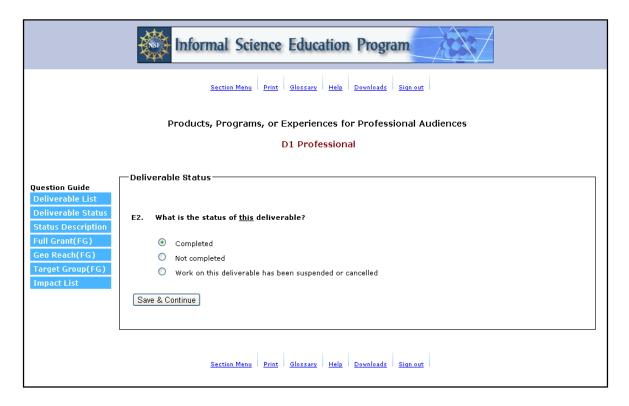
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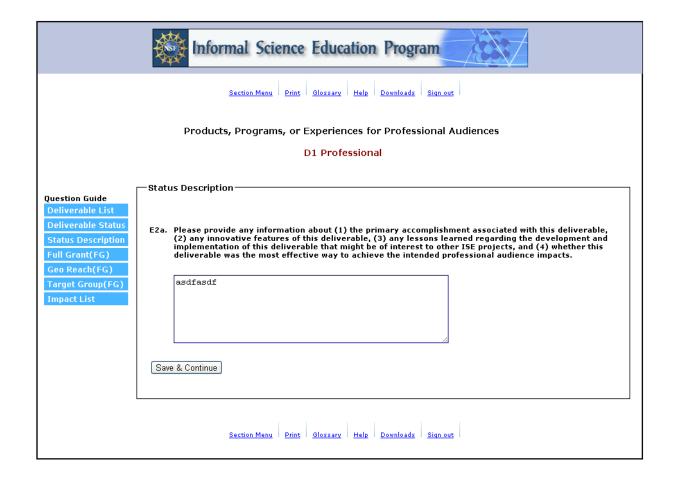


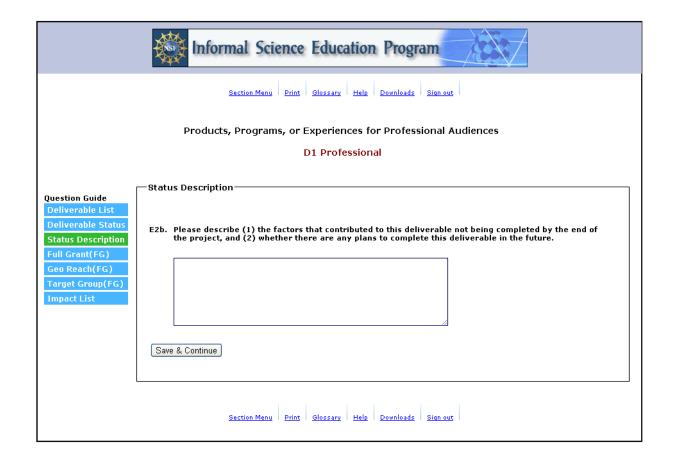
### Section E: Products, Programs, or Experiences for Professional Audiences.

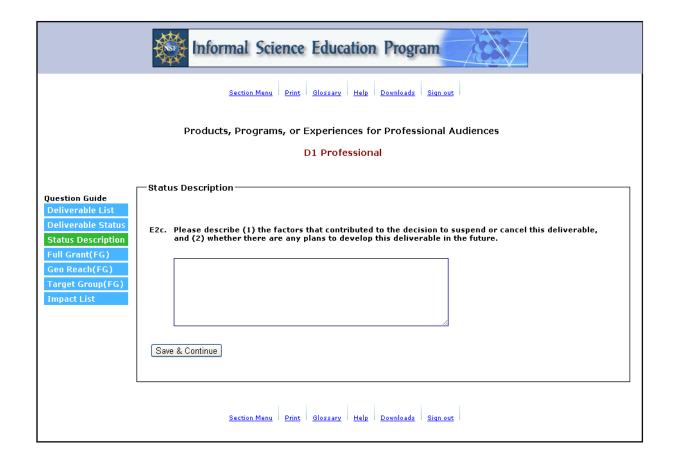


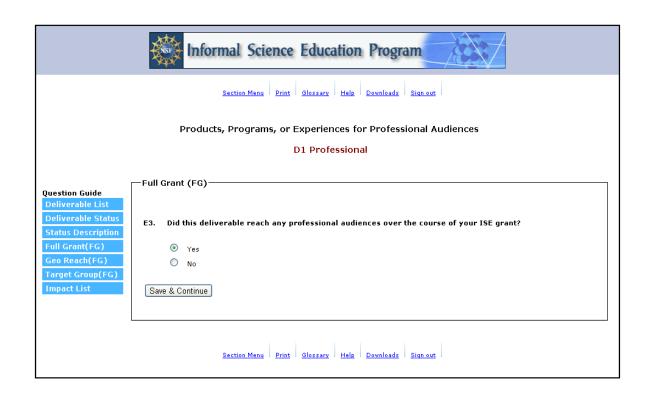
## Previously entered deliverable













# Products, Programs, or Experiences for Professional Audiences **D1 Professional** Geo Reach (FG)-**Question Guide** Deliverable List Which of the following best describes the actual geographic reach of the professional audiences that accessed or used <u>this</u> deliverable over the course of your ISE grant? (Check one.) Full Grant(FG) Single community or metropolitan region Geo Reach(FG) Select even if the community or metropolitan region spans multiple states (e.g., the Washington, D.C., metropolitan area—which includes the District of Columbia, Maryland, and Virginia). Target Group(FG) Multiple communities within a single state or U.S. territory Select if the deliverable reached professional audiences in two or more communities or metropolitan regions within a single state (e.g., a radio program that will be broadcast in Los Angeles and San Francisco). Multiple states and or U.S. territories Do not select if the deliverable only reached a professional audience in a single metropolitan area that spans multiple states (e.g., the Washington, D.C., metropolitan area—which includes the District of Columbia, Maryland, Specify in how many states and/or territories this deliverable reached professional audiences over the course of your ISE grant: E5. Did <u>this</u> deliverable target an international professional audience outside of the United States and U.S. territories over the course of your ISE grant? No O Yes If Yes, please describe the steps that were taken to reach international professional audiences with this deliverable over Save & Continue Section Menu Print Glossary Help Downloads Sign out

#### Products, Programs, or Experiences for Professional Audiences

#### D1 Professional

#### **Question Guide**

Deliverable List
Deliverable Status
Status Description
Full Grant(FG)
Geo Reach(FG)

Target Group(FG)

Impact List

-Target Group (FG)-

Save & Continue

E6. In the table below, please select <u>each</u> professional audience that this deliverable reached over the course of your ISE grant. (Check all that apply.)

For each professional audience that you select, please provide your best estimate of the number of professionals that you reached with  $\underline{\text{this}}$  deliverable over the course of your ISE grant.

If possible, provide an <u>unduplicated count</u> of individuals who were reached over the course of your ISE grant. If you are only providing an unduplicated count, please leave the duplicated count field blank.

Click here for the ISE definition of unduplicated counts.

In cases where it is not possible to provide an unduplicated count, provide a <u>duplicated count</u> of individuals who were reached during the previous year. If you are only providing a duplicated count, please leave the unduplicated count field blank.

Click here for the ISE definition of duplicated counts.

You only need to provide an unduplicated count or a duplicated count, not both. However, you should provide both if your project collects both unduplicated and duplicated participation data.

		Number of parti	cipants over the o	ourse of the IS
	Professional Audiences	Unduplicated Count	Duplicated Count	Unable to determine at this time
<b>V</b>	Pre-K - 12 teachers	12312		
	Post-secondary instructors			
	Informal educators			
	Staff at after-school and youth programs			
	Staff at community programs			
	Exhibit designers			
	Media producers and/or disseminators			
	Science writers/journalists			
	Scientists, engineers, and/or mathematicians			
	Board members			
	Directors, presidents, and/or CEOs			
	Funders			
	Policymakers			
	Researchers/evaluators			
	Other (specify)			

#### Products, Programs, or Experiences for Professional Audiences

#### D1 Professional

#### Question Guide

Status Description Full Grant(FG) Geo Reach(FG) Target Group(FG)

#### -Impact List-

E7. Please review and update each impact for this deliverable and, if necessary, add new impacts this deliverable is designed to achieve with your professional audiences.

#### STEP 1: Review and update previously entered impacts.

- To review and update the impact(s) for this deliverable, click on the impact statement in the Impact column.
   After reviewing and updating an impact, you will report on the extent to which your project achieved the impact.

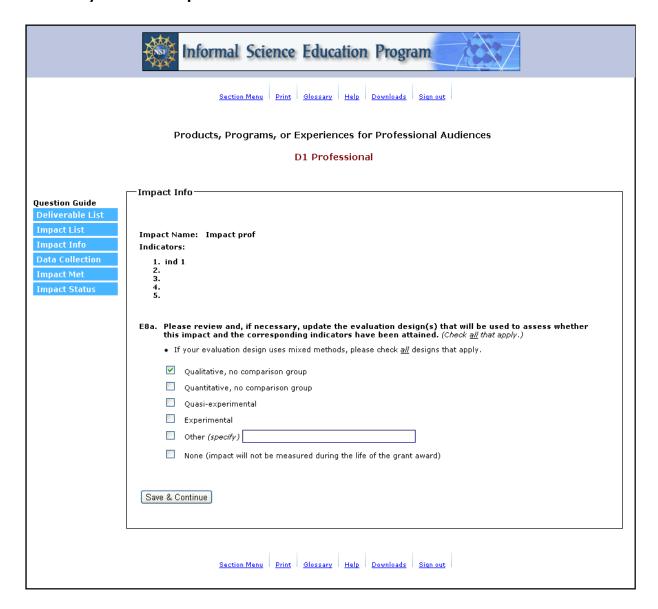
#### STEP 2: Add new impacts.

- To add an impact, enter the impact statement in the text box in the Impact column. Then, click the Add button in the right-hand column of the table.
- For definitions and examples related to impacts, see the Impacts and Indicators PowerPoint in the [Help] link.
- After you add an impact, the impact statement becomes a link to a set of questions for that particular impact.
   Click on the impact statement in the Impact column to access and complete the questions for that impact.

Impact	Information Status	
Impact prof	Complete	
		Add

Save & Continue

### **Previously Entered Impact**





#### Products, Programs, or Experiences for Professional Audiences

#### D1 Professional

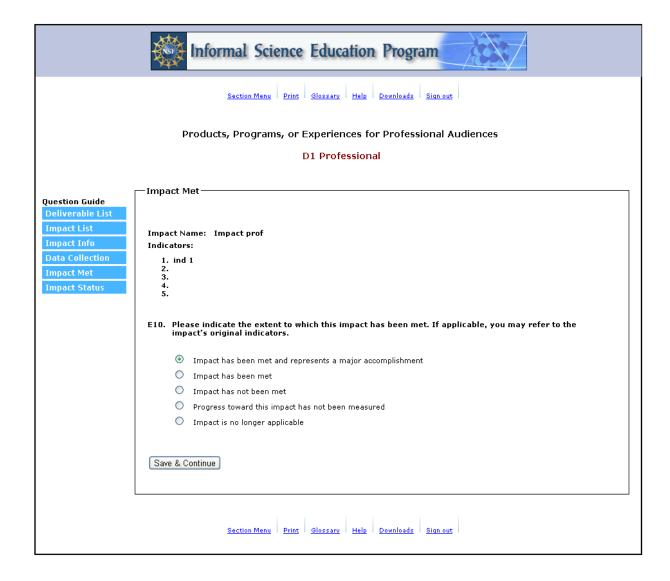
	— Nata Collection
Question Guide Deliverable List Impact List Impact Info Data Collection Impact Met Impact Status	Data Collection  Impact Name: Impact prof Indicators:  1. ind 1 2. 3. 4. 5.

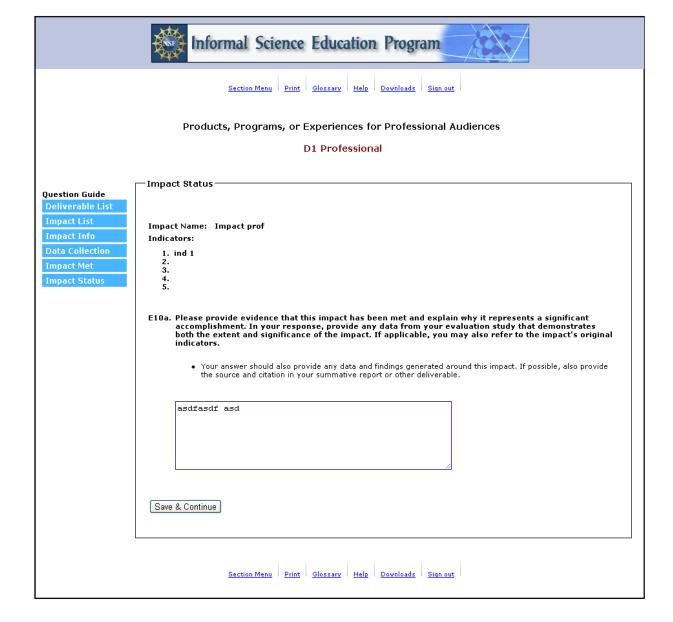
E8b. Please review and, if necessary, update the data collection methods that your project used to determine if this impact and the corresponding indicators have been attained. (Check <u>all</u> that apply.)

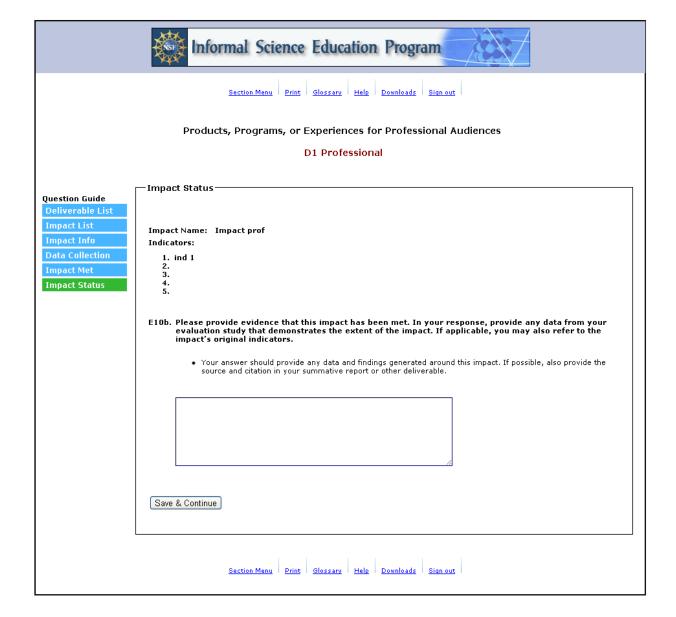
• In responding to this item, please indicate whether the data collection activity will occur (1) **prior** to the ISE deliverable/activity, (2) **during/at the end of** the ISE deliverable/activity, and/or (3) at some point **after** the ISE deliverable/activity.

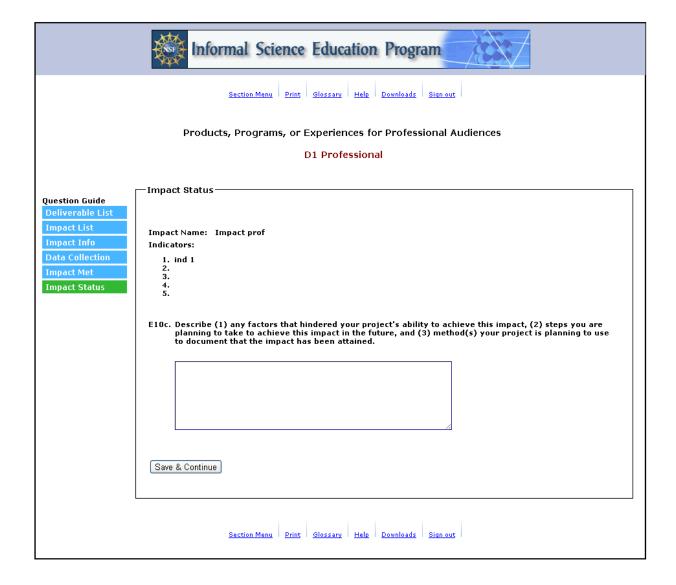
	When data was collected		
Data Collection Activity	Prior to the ISE deliverable/ activity	the end of the ISE	At some point <b>after</b> the ISE deliverable/ activity
Administrative/participation data			
Museum attendance (e.g., for specific exhibits)	✓		
Program attendance (e.g., number participating in youth programs/professional development sessions)		~	
Number of viewers (e.g., for a movie, radio program, or television show)			~
Website hits			
School records (e.g., grades, test scores, course enrollment)			
Other administrative/participation data (specify)			
Data collected via the web/email			
Questionnaire/survey			
Formal assessment/test			
Focus groups			
Web logs by study subjects			
Other data collected via the web/email (specify)			
Data collected via telephone			
Questionnaire/survey			
Formal assessment/test			
Focus groups			
Interviews			
Other data collected via telephone (specify)			

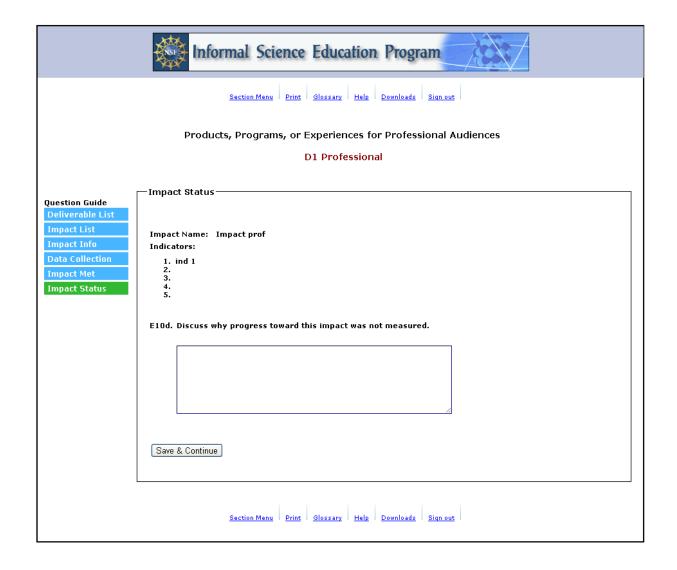
Data collected <u>AT</u> informal science education venues/programs		
Questionnaire/survey		
Formal assessment/test		
Focus groups		
(nterviews (e.g., exit interviews)		
Tracking and timing studies		
Direct observations of visitors'/participants'/ educators' conversations and/or behavior		
Recording visitors'/participants'/educators' conversations and/or behavior		
Diaries/journals/records maintained by study subjects while at the informal science education venue/program		
Problem-solving tasks/sorting tasks/drawing tasks/concept maps		
earner artifacts		
Think-aloud techniques/protocols		
Other data collected <u>AT</u> informal science education venues/programs (specify)		
Data collected <u>OUTSIDE</u> of informal science education venues/other educatio participant's home)	nal settings	(e.g., in a
Questionnaire/survey		
Formal assessment/test		
Focus groups		
Interviews		
Direct observations of study subjects' conversations/behavior outside of the informal science venue/program		
Diaries/journals/records maintained by study subjects outside of the informal science education venue/program		
Other data collected <u>OUTSIDE</u> of informal science venues/other educational settings (specify)		
Other		
Other (specify)		
Save & Continue		

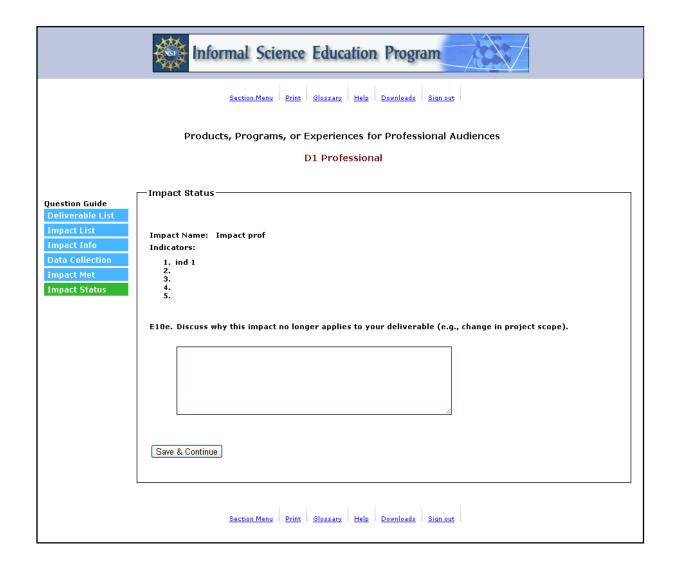




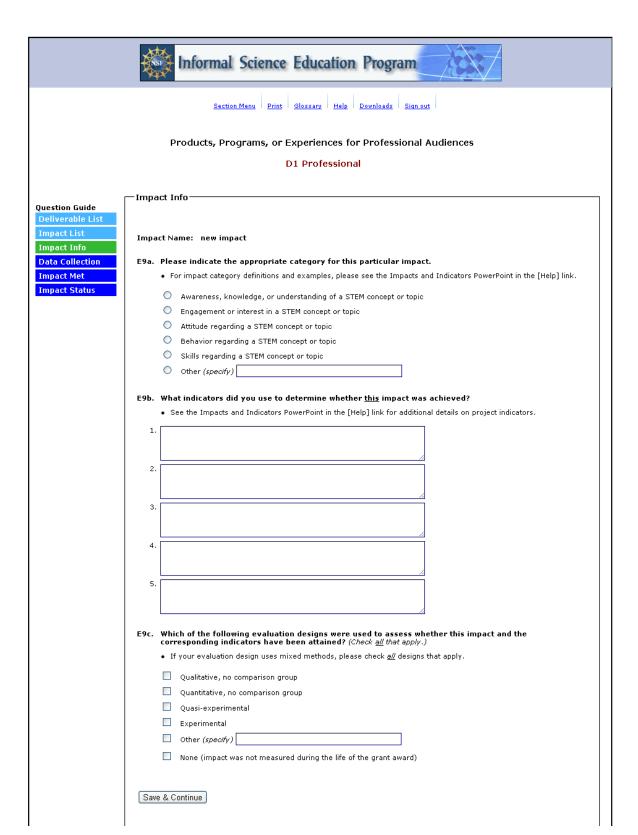








**New Impact** 



#### Products, Programs, or Experiences for Professional Audiences

#### **D1** Professional

Deliverable List

npact List

Impact Info

Data Collection

Impact Met

Impact Status

-	Da	ta	Col	le	cti	nn

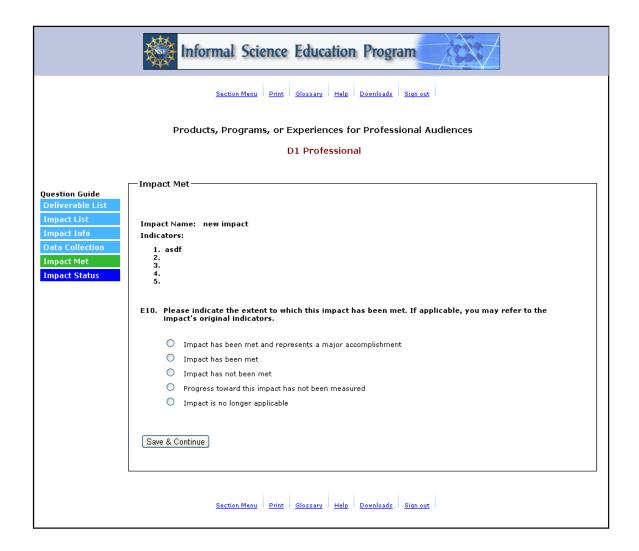
Impact Name: new impact

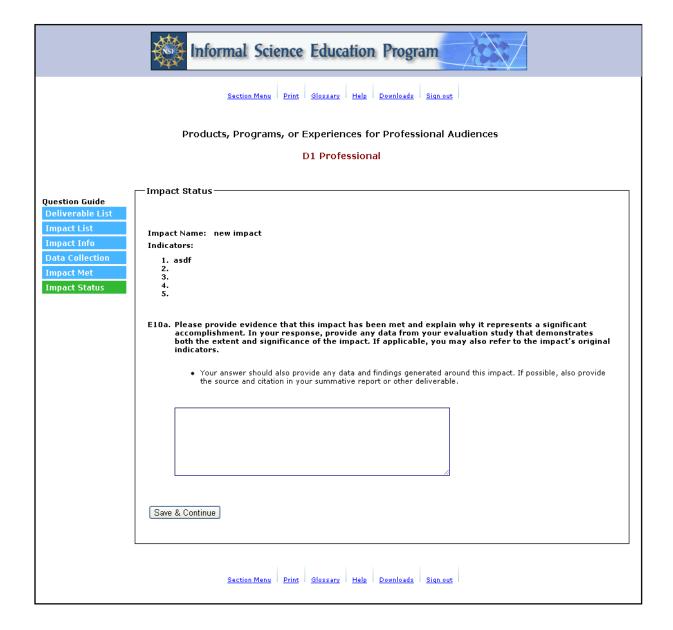
E9d. Which of the following data collection methods was used to assess whether  $\underline{\text{this}}$  impact and the corresponding indicators have been attained? (Check  $\underline{\text{all}}$  that apply.)

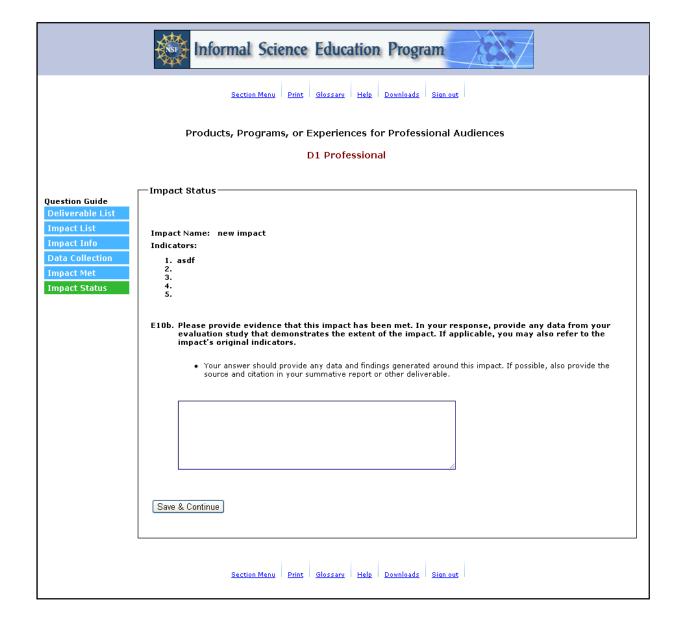
• In responding to this item, please indicate whether the data collection activity will occur (1) **prior** to the ISE deliverable/activity, (2) **during/at the end of** the ISE deliverable/activity, and/or (3) at some point **after** the ISE deliverable/activity.

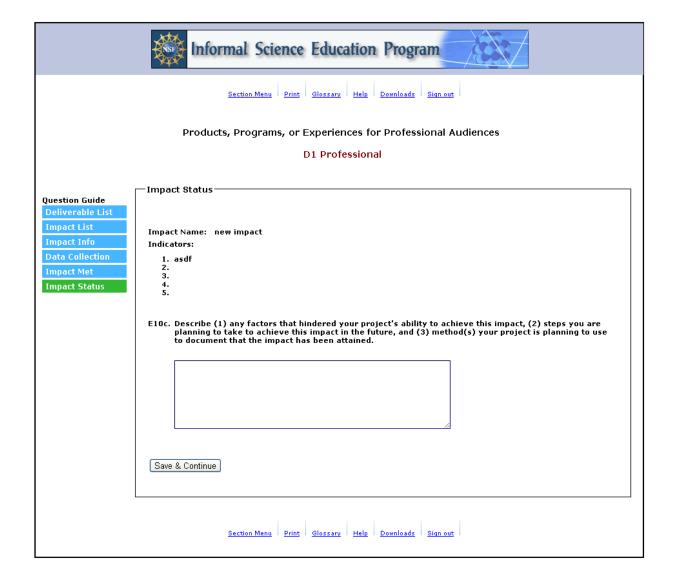
	When	When data was collected		
Data Collection Activity	Prior to the ISE deliverable/ activity	During/at the end of the ISE deliverable/ activity	the ISE	
Administrative/participation data				
Museum attendance (e.g., for specific exhibits)				
Program attendance (e.g., number participating in youth programs/professional development sessions)				
Number of viewers (e.g., for a movie, radio program, or television show)				
Website hits				
School records (e.g., grades, test scores, course enrollment)				
Other administrative/participation data (specify)				
Data collected via the web/email				
Questionnaire/survey				
Formal assessment/test				
Focus groups				
Web logs by study subjects				
Other data collected via the web/email (specify)				
Data collected via telephone				
Questionnaire/survey				
Formal assessment/test				
Focus groups				
Interviews				
Other data collected via telephone (specify)				

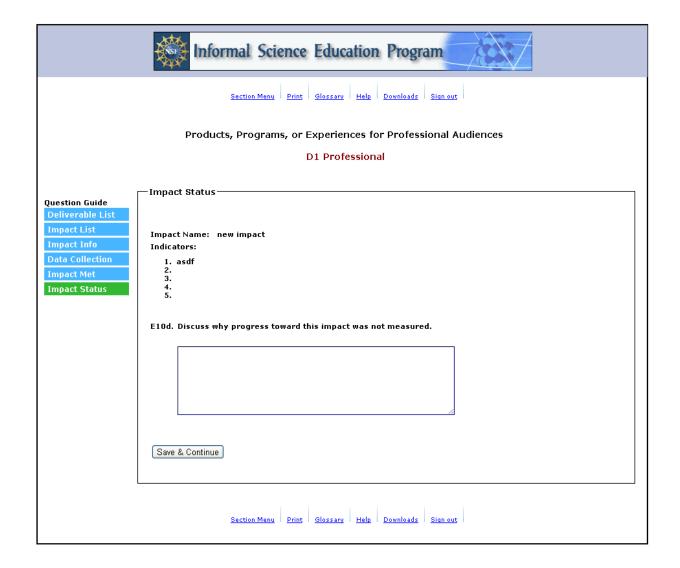
Questionnaire/survey			
Formal assessment/test			
Focus groups			
Interviews (e.g., exit interviews)			
Tracking and timing studies			
Direct observations of visitors'/participants'/ educators' conversations and/or behavio	r 🔲		
Recording visitors'/participants'/educators' conversations and/or behavior			
Diaries/journals/records maintained by study subjects while at the informal science education venue/program			
Problem-solving tasks/sorting tasks/drawing tasks/concept maps			
Learner artifacts			
Think-aloud techniques/protocols			
Other data collected <u>AT</u> informal science education venues/programs (specify)			
Data collected <u>OUTSIDE</u> of informal science education venues/other educat participant's home)	tional settings	(e.g., in a	
Questionnaire/survey			
Formal assessment/test			
Focus groups			
Focus groups Interviews			_
Interviews Direct observations of study subjects' conversations/behavior outside of the informal science venue/program			
Interviews Direct observations of study subjects' conversations/behavior outside of the informal			
Interviews Direct observations of study subjects' conversations/behavior outside of the informal science venue/program Diaries/journals/records maintained by study subjects outside of the informal science			
Interviews  Direct observations of study subjects' conversations/behavior outside of the informal science venue/program  Diaries/journals/records maintained by study subjects outside of the informal science education venue/program  Other data collected OUTSIDE of informal science venues/other educational settings			

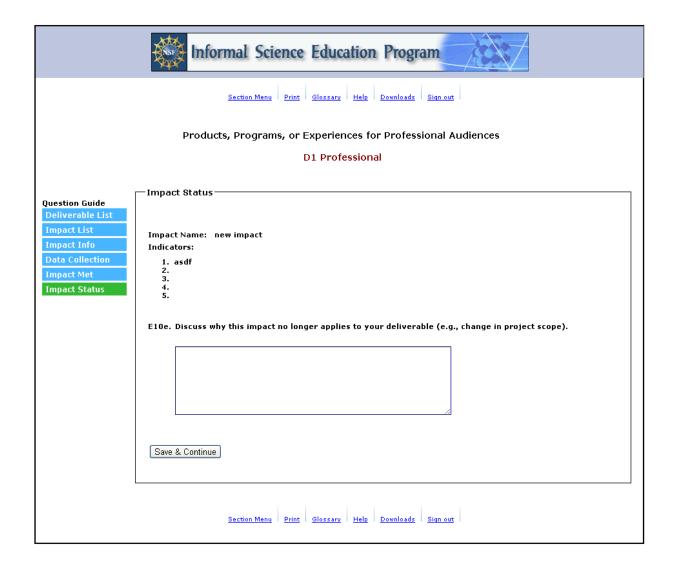












# **New Deliverable**

	New deliverable 1	
	Deliverable Type	
estion Guide eliverable List eliverable Type roject Info	E11. Please indicate the deliverable type that best describes this product, program, or experience. (Some.)	elect
npact	Audio and Video	
ganization	Video segment/clip/program/series (e.g., training videos, webinars)	0
pact List	Audio segment/clip/program/series	0
II Grant(FG)	Other audio or video (specify)	
o Reach(FG)		
rget Group(FG)	Resource Materials and Information Sharing	
	Blog/newsletter	0
	Discussion group/forum/information sharing network	0
	Curriculum	0
	Training workshop	0
	Presentation (e.g., lecture at a conference for formal educators)	0
	Research paper, issue brief, or publication (e.g., an article in a peer-reviewed journal)  Activity or informational guide (e.g., teacher guides for museum exhibit)	0
	Demonstration/activity kit/guide (with supplies and/or instructions to perform experiments or activities)	0
	Other resource materials (specify)	0
	Infrastructure Development or Enhancement for Facilitated Communication	
	Evaluation tools	0
	Website for professional audiences (e.g., wiki website)	0
	Database (e.g., creating a new database or developing the capacity to contribute to an existing database)	0
	Other infrastructure (specify)	0
	Games and Information and Communication Technologies	
	Game (e.g., mobile online games, massively multiplayer online games, console games, board games)	0
	Simulation (e.g., a virtual museum exhibit, a simulation of a scientific phenomenon)	0
	Application for mobile/wireless device (e.g., GPS or iPhone/iPad application)	0
	Other information and communication technology (specify)	0
	Project Website	
	Project Website	0
	Other	
	Other (specify)	0
	Save & Continue	

## Products, Programs, or Experiences for Professional Audiences

## New deliverable 1

—Proje			
E12.	Please provide a brief description (i.e., 2-3 sentences) of this deliverable.		
	Include information about any specific professional audiences that will be targeted by the targeted by the second se	<u>is</u> deliverable—a	as well as
	any unique or innovative features of the deliverable that are worth noting.		
E13.	Please indicate whether $\underline{\text{this}}$ deliverable is a primary or secondary focus of you	r overall ISE p	roject.
	Primary focus (i.e., at least 25 percent of your overall ISE project effort in terms of b	udget and/or st	aff time)
	Secondary focus (i.e., less than 25 percent of your overall ISE project effort in terms	of budget and/	or staff tim
E14.	Which of the following are the primary and secondary STEM content foci of <u>this</u>	deliverable?	
	This item focuses exclusively on the STEM content that is being conveyed by this deliver	able (e.g., what	the projec
	is looking to educate professional audiences about).		_++
	<ul> <li>Check up to two primary STEM content foci for this deliverable. Check all remaining sec that apply for this deliverable.</li> </ul>	ondary Siem co	ntent roci
	NSF Division STEM Content Area	Primary	Secondar
	Biological Sciences		
	Environmental Biology		
	Integrative Organismal Systems		
	Molecular and Cellular Biosciences		
	Other biological sciences (specify)		
	Computer and Informational Sciences		
	Computer and Network Systems		
	Intelligent Systems and Robotics		
	Other computer and informational sciences (specify)		
	Carlot compacts and informational sciences (specify)		
	Engineering		
	Engineering Chemical, Bioengineering, Environmental, Transport Systems		
	Chemical, Bioengineering, Environmental, Transport Systems		
	Chemical, Bioengineering, Environmental, Transport Systems  Civil, Mechanical and Manufacturing Innovation		
	Chemical, Bioengineering, Environmental, Transport Systems Civil, Mechanical and Manufacturing Innovation Electrical, Communications and Cyber Systems		
	Chemical, Bioengineering, Environmental, Transport Systems Civil, Mechanical and Manufacturing Innovation Electrical, Communications and Cyber Systems Other engineering (specify)		
	Chemical, Bioengineering, Environmental, Transport Systems Civil, Mechanical and Manufacturing Innovation Electrical, Communications and Cyber Systems Other engineering (specify)  Geosciences		
	Chemical, Bioengineering, Environmental, Transport Systems Civil, Mechanical and Manufacturing Innovation Electrical, Communications and Cyber Systems Other engineering (specify)  Geosciences Atmospheric Sciences		
	Chemical, Bioengineering, Environmental, Transport Systems  Civil, Mechanical and Manufacturing Innovation  Electrical, Communications and Cyber Systems  Other engineering (specify)  Geosciences  Atmospheric Sciences  Earth Sciences		
	Chemical, Bioengineering, Environmental, Transport Systems Civil, Mechanical and Manufacturing Innovation Electrical, Communications and Cyber Systems Other engineering (specify)  Geosciences Atmospheric Sciences		
	Chemical, Bioengineering, Environmental, Transport Systems  Civil, Mechanical and Manufacturing Innovation  Electrical, Communications and Cyber Systems  Other engineering (specify)  Geosciences  Atmospheric Sciences  Earth Sciences		
	Chemical, Bioengineering, Environmental, Transport Systems Civil, Mechanical and Manufacturing Innovation Electrical, Communications and Cyber Systems Other engineering (specify)  Geosciences Atmospheric Sciences Earth Sciences Ocean Sciences		
	Chemical, Bioengineering, Environmental, Transport Systems  Civil, Mechanical and Manufacturing Innovation  Electrical, Communications and Cyber Systems  Other engineering (specify)  Geosciences  Atmospheric Sciences  Earth Sciences  Ocean Sciences  Other geosciences (specify)		
	Chemical, Bioengineering, Environmental, Transport Systems  Civil, Mechanical and Manufacturing Innovation  Electrical, Communications and Cyber Systems  Other engineering (specify)  Geosciences  Atmospheric Sciences  Earth Sciences  Ocean Sciences  Other geosciences (specify)  Math and Physical Sciences		
	Chemical, Bioengineering, Environmental, Transport Systems  Civil, Mechanical and Manufacturing Innovation  Electrical, Communications and Cyber Systems  Other engineering (specify)  Geosciences  Atmospheric Sciences  Earth Sciences  Ocean Sciences  Other geosciences (specify)  Math and Physical Sciences  Astronomical Sciences		
	Chemical, Bioengineering, Environmental, Transport Systems  Civil, Mechanical and Manufacturing Innovation  Electrical, Communications and Cyber Systems  Other engineering (specify)  Geosciences  Atmospheric Sciences  Earth Sciences  Ocean Sciences  Other geosciences (specify)  Math and Physical Sciences  Astronomical Sciences  Chemistry		

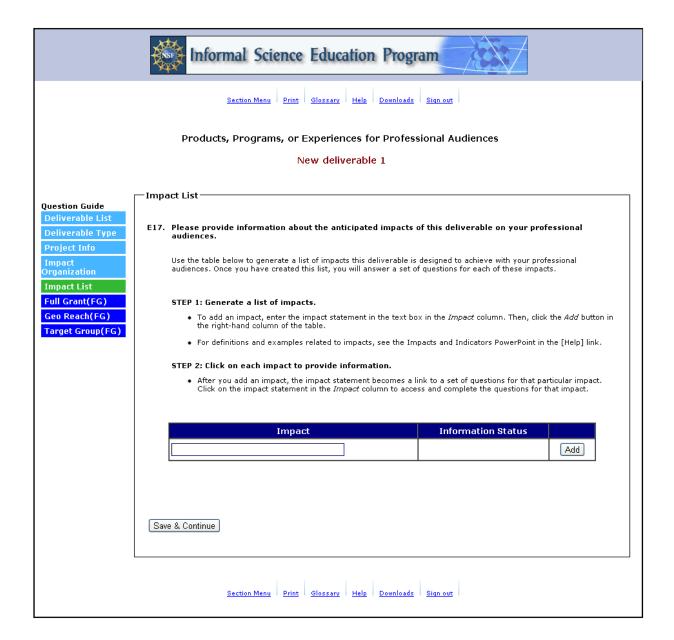
Other math and physical sciences (specify)

Behavioral and Cognitive Sciences				
Human and Social Dynamics				
Science of Learning				
Science Resource Statistics				
Social and Economic Sciences				
Other social, behavioral and economic sciences (specify)				
Other				
Other (specify)				
Is <u>this</u> deliverable interdisciplinary (i.e., does it combine cond	cepts acros	s multiple	STEM conte	ent are
	cepts acros	s multiple	STEM conte	ent are
O No	cepts acros	s multiple	STEM conte	ent are
O No	cepts acros	s multiple	STEM conte	ent are
O No O Yes		s multiple	STEM conte	ent are
O No O Yes		s multiple	STEM conte	ent are
O No O Yes		s multiple	STEM conte	ent are
O No O Yes		s multiple	STEM conte	ent are
O No O Yes		s multiple	STEM conte	ent are
O No O Yes		s multiple	STEM conte	ent are
O No O Yes		s multiple	STEM conte	ent are
0 140		s multiple	STEM conte	ent are

#### Products, Programs, or Experiences for Professional Audiences

#### New deliverable 1 -Impact Organization-Question Guide E16. Where did the information gained or disseminated from this deliverable ultimately have the greatest Project Info Impact Organization Informal Learning Institution/Organization Impact List Arboretum or botanical garden Full Grant(FG) Children's museum Geo Reach(FG) History or art museum Target Group(FG) Natural history museum Science-technology center or museum Nature or interpretive center Planetarium or fulldome theater Zoo or a combined zoo/aquarium Aquarium only Library Theater or theater organization Community organization Youth organization/after-school organization Other informal learning institution/organization(specify) Exhibit design/fabrication firm/entity Planetarium show production firm/entity Independent film or media production firm/entity Print media production firm/entity Radio station or organization Television station or organization Website design firm/entity Software design firm/entity Digital/interactive media design and production firm/entity Other media design/production (specify) **Educational Institution** Pre-K-12 district/school (including charter schools and private schools) 2-year college or community college 4-year college or university Other educational institution (specify) Educational or STEM materials development firm/entity Educational or STEM research firm/entity Other educational support services (specify) Public or government agency Evaluation or research firm/entity National or regional association or professional organization Other (specify)

Save & Continue





## Products, Programs, or Experiences for Professional Audiences

New deliverable 1

	Impact Info
uide le List	
st Elst	
o	Impact Name: test impact 1
	E18a. Please indicate the appropriate category for this particular impact.
	For impact category definitions and examples, please see the Impacts and Indicators PowerPoint in the [Help] link
	Awareness, knowledge, or understanding of a STEM concept or topic
	Engagement or interest in a STEM concept or topic
	Attitude regarding a STEM concept or topic
	Behavior regarding a STEM concept or topic
	Skills regarding a STEM concept or topic
	Other (specify)
	E18b. What indicators will you use to determine whether this impact was achieved?
	See the Impacts and Indicators PowerPoint in the [Help] link for additional details on project indicators.
	1.
	2.
	2.
	3,
	4.
	7'
	5.
	<i>A</i>
	E18c. Which of the following evaluation designs were used to assess whether this impact and the corresponding indicators have been attained? (Check <u>all</u> that apply.)
	If your evaluation design uses mixed methods, please check <u>all</u> designs that apply.
	Ouslitative ne comparison group
	Qualitative, no comparison group  Quantitative, no comparison group
	Quantitative, no comparison group     Quasi-experimental
	_ <
	Experimental
	Other (specify)
	None (impact was not measured during the life of the grant award)
Ì	
	Save & Continue



## Products, Programs, or Experiences for Professional Audiences

New deliverable 1

	C
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Deliverable List

Impact List

Impact Info

Data Collection

Impact Met

Impact Status

-Data Collection

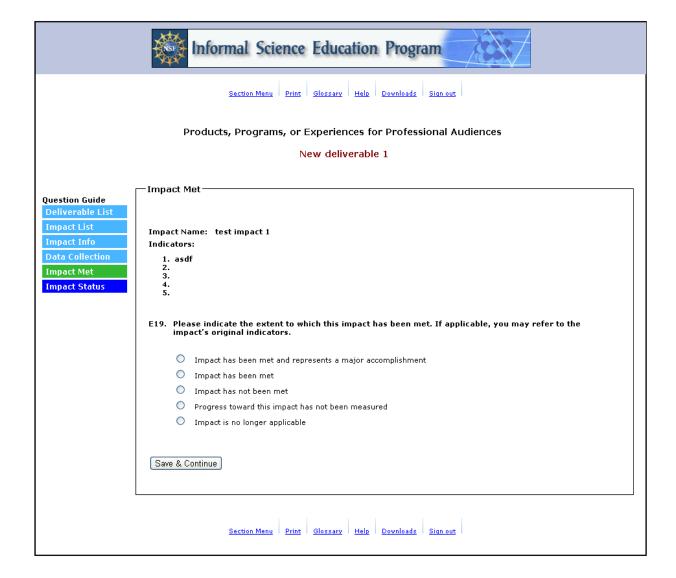
Impact Name: test impact 1

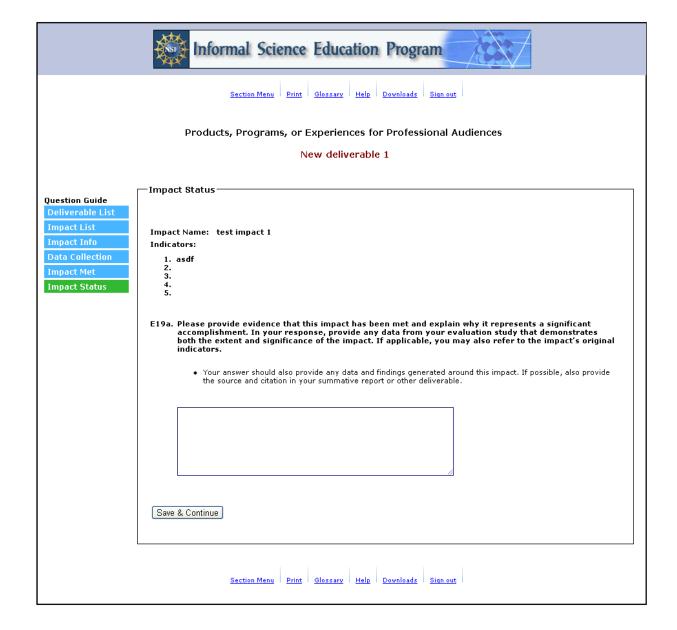
E18d. Which of the following data collection methods were used to assess whether this impact and the corresponding indicators have been attained? (Check all that apply.)

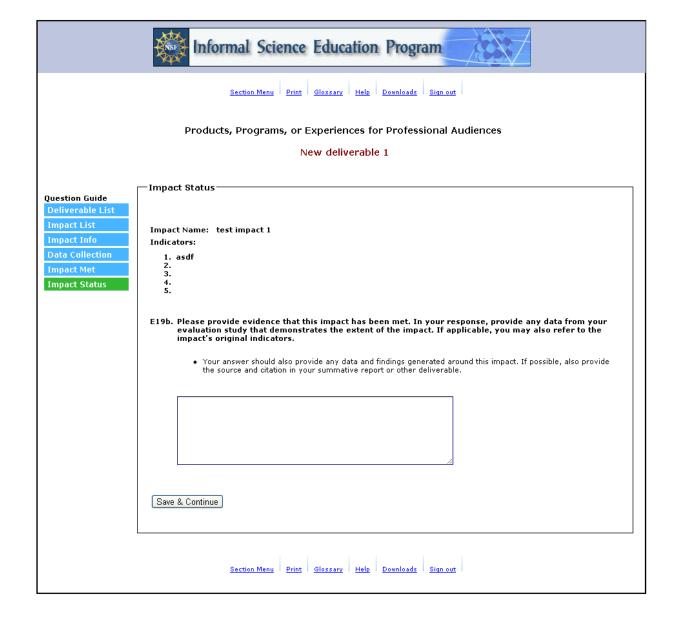
• In responding to this item, please indicate whether the data collection activity occured (1) **prior** to the ISE deliverable/activity, (2) **during/at the end of** the ISE deliverable/activity, and/or (3) at some point **after** the ISE deliverable/activity.

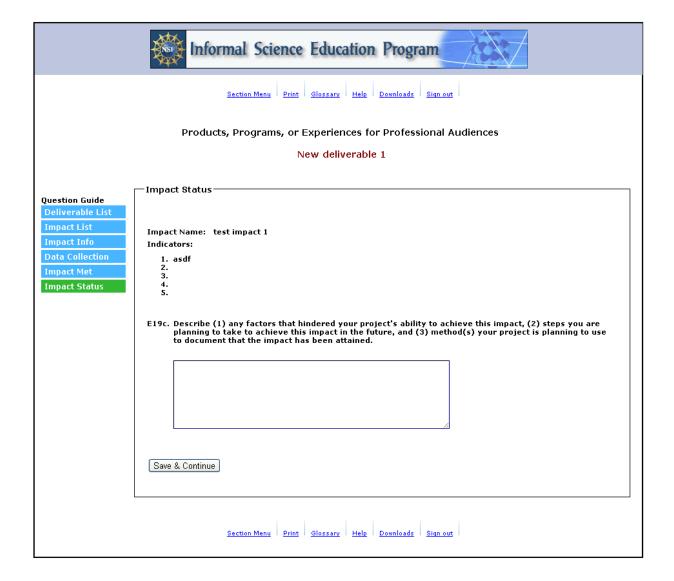
	When	lata was co	llected
Data Collection Activity	Prior to the ISE deliverable/ activity	During/at the end of the ISE deliverable/ activity	
Administrative/participation data			
Museum attendance (e.g., for specific exhibits)			
Program attendance (e.g., number participating in youth programs/professional development sessions)			
Number of viewers (e.g., for a movie, radio program, or television show)			
Website hits			
School records (e.g., grades, test scores, course enrollment)			
Other administrative/participation data (specify)			
Data collected via the web/email			
Questionnaire/survey			
Formal assessment/test			
Focus groups			
Web logs by study subjects			
Other data collected via the web/email (specify)			
Data collected via telephone			
Questionnaire/survey			
Formal assessment/test			
Focus groups			
Interviews			
Other data collected via telephone (specify)			

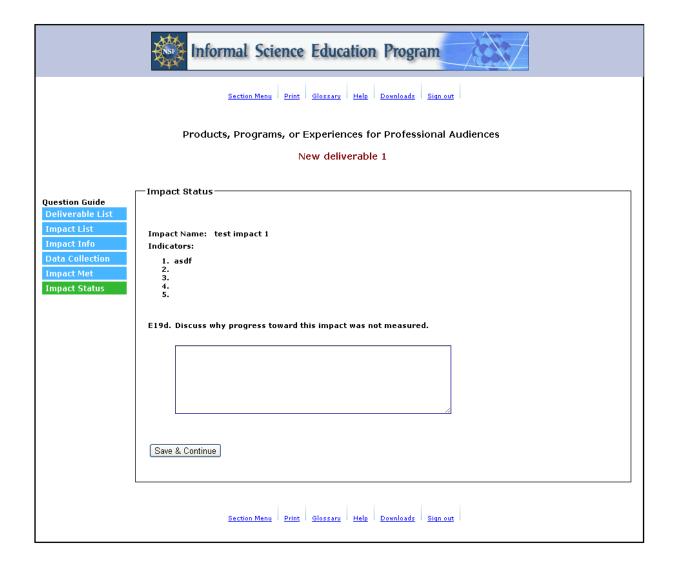
Questionnaire/survey			
Formal assessment/test			
Focus groups			
Interviews (e.g., exit interviews)			
Tracking and timing studies			
Direct observations of visitors'/participants'/ educators' conversations and/or behavior			
Recording visitors'/participants'/educators' conversations and/or behavior			
Diaries/journals/records maintained by study subjects while at the informal science education venue/program			
Problem-solving tasks/sorting tasks/drawing tasks/concept maps			
Learner artifacts			
Think-aloud techniques/protocols			
Other data collected <u>AT</u> informal science education venues/programs (specify)			
Data collected <u>OUTSIDE</u> of informal science education venues/other educatio participant's home)	onal settings	(e.g., in a	
Questionnaire/survey			
Formal assessment/test			
Focus groups			
Interviews			
Direct observations of study subjects' conversations/behavior outside of the informal science venue/program			
science venue/program  Diaries/journals/records maintained by study subjects outside of the informal science			
Science venue/program  Diaries/journals/records maintained by study subjects outside of the informal science education venue/program  Other data collected OUTSIDE of informal science venues/other educational settings		_	

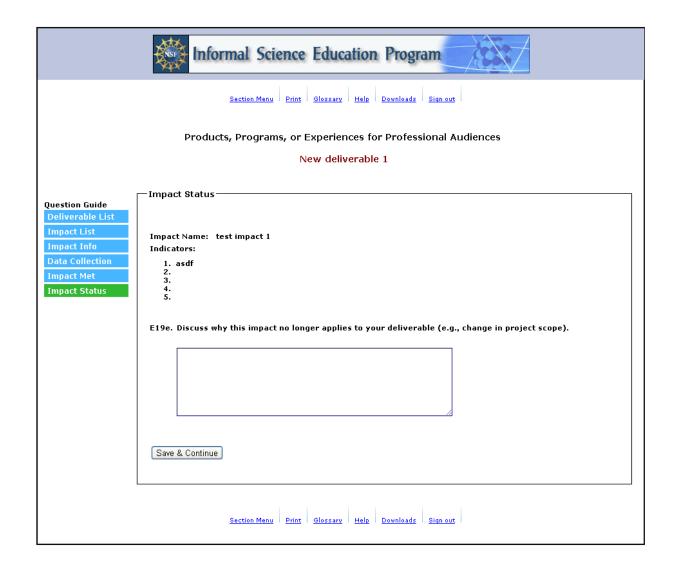


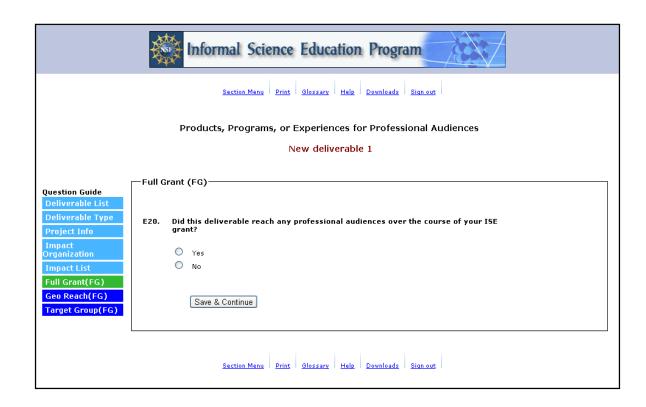


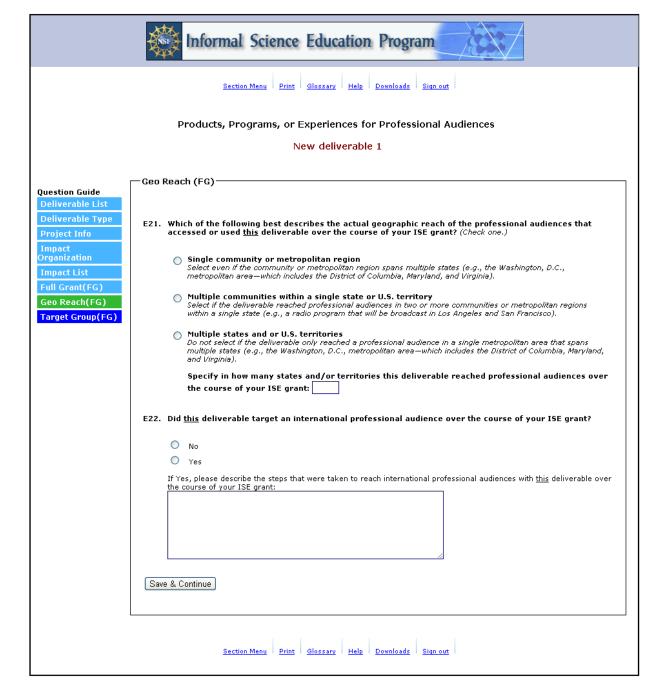












#### Products, Programs, or Experiences for Professional Audiences

#### New deliverable 1

## Question Guide

Deliverable List Deliverable Type

Project Info

Impact Organization

Impact List

Full Grant(FG)
Geo Reach(FG)

Target Group(FG)

-Target Group (FG)-

E23. In the table below, please select each professional audience that this deliverable reached over the course of your ISE grant. (Check all that apply.)

For each professional audience that you select, please provide the number of professionals that you reached with <u>this</u> deliverable over the course of your ISE grant.

If possible, provide an <u>unduplicated count</u> of individuals who were reached oer the course of your ISE grant. If you are only providing an unduplicated count, please leave the duplicated count field blank.

Click here for the ISE definition of unduplicated counts.

In cases where it is not possible to provide an unduplicated count, provide a <u>duplicated count</u> of individuals who were reached over the course of your ISE grant. If you are only providing a duplicated count, please leave the unduplicated count field blank.

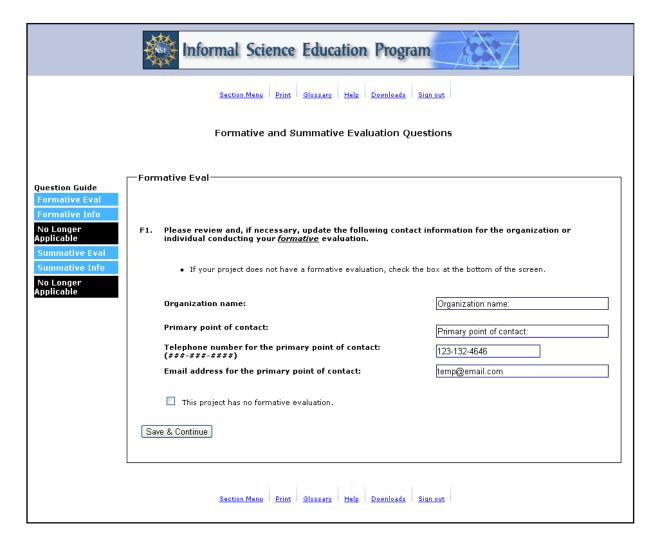
Click here for the ISE definition of duplicated counts.

You only need to provide an unduplicated count or a duplicated count, not both. However, you should provide both if your project collects both unduplicated and duplicated participation data.

1		Number of participants during ISE grant					
	Professional Audiences	Unduplicated Count	Duplicated Count	Unable to determine at this time			
	Pre-K - 12 teachers						
	Post-secondary instructors						
	Informal educators						
	Staff at after-school and youth programs						
	Staff at community programs						
	Exhibit designers						
	Media producers and/or disseminators						
	Science writers/journalists						
	Scientists, engineers, and/or mathematicians						
	Board members						
	Directors, presidents, and/or CEOs						
	Funders						
	Policymakers						
	Researchers/evaluators						
	Other (specify)						

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# **Section F: Formative and Summative Evaluation Questions**





#### Formative and Summative Evaluation Questions

#### **Question Guide**

Formative Eval Formative Info

No Longer Applicable

Summative Eval

No Longer Applicable

#### -Formative Info

#### F2. Please review, update, and report on formative evaluation questions.

Use the following steps to update previously entered evaluation questions, add new evaluation questions, and report on progress toward answering evaluation questions.

#### STEP 1: Update previously entered evaluation designs.

- Review each previously entered evaluation question. If the evaluation design has changed, you can check any new
  evaluation designs and uncheck any evaluation designs that will no longer be used to examine this evaluation
  question. Click "edit" to confirm the changes.
- If an evaluation question no longer applies, check the appropriate box in the column titled Check if question is no longer applicable, then click "edit."

#### STEP 2: Add new evaluation questions.

- To add a new evaluation question, type the question in the text box in the Formative Evaluation Question column.
- Check all evaluation designs that will be used to answer the evaluation question. If your evaluation design uses mixed methods, please check all designs that apply.
- If you will use an evaluation design that is not listed in the table, specify the evaluation design type in the text box in the Other column.
- Click the Add button in the right-hand column to add the completed evaluation question and designs to the table.

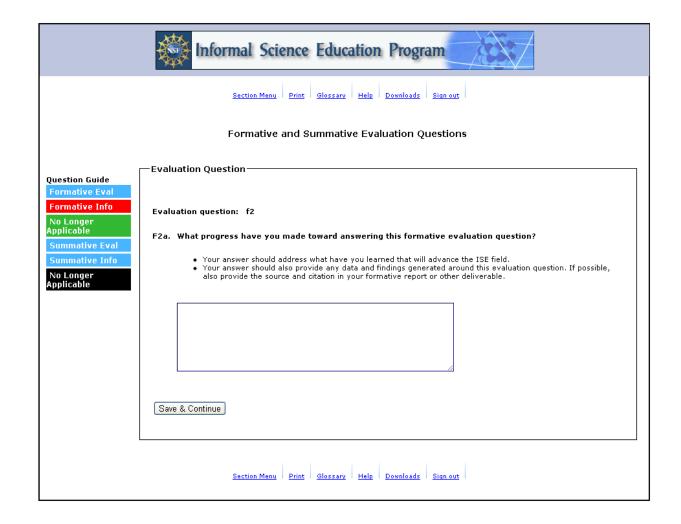
#### STEP 3: Report on progress toward answering evaluation questions.

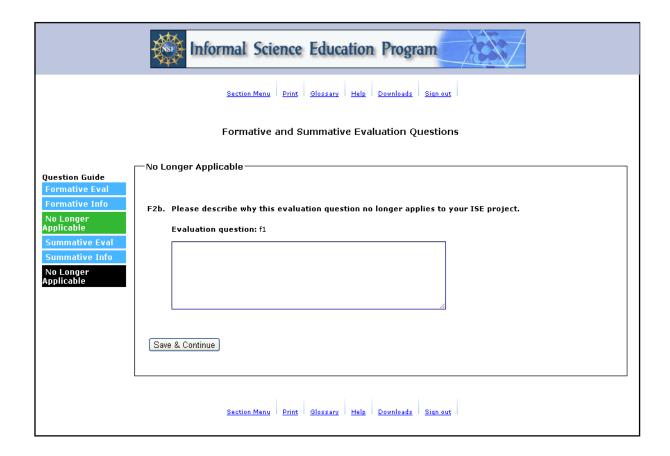
Each evaluation question in the table is a link. Click on each evaluation question link to describe the progress your project has made toward answering the evaluation question.

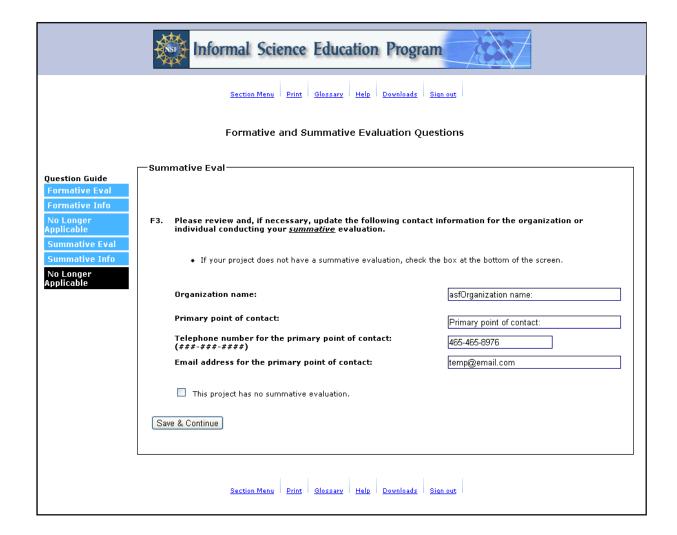
		Evaluat (check al	tion Desi I that ap			Check if		
Formative Evaluation Question	Qualitative, no comparison group	Quantitative, no comparison group	Quasi- experi- mental	Experi- mental	Other (specify)	question is no longer applicable	Status	
<u>f1</u>	~		V				Complete	Edit
								Add

Save & Continue

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#### Formative and Summative Evaluation Questions

#### **Question Guide**

Formative Eval

Formative Info

No Longer Applicable

Summative Eval

Summative Info

No Longer Applicable

#### Summative Info

F4. Please review, update, and report on summative evaluation questions.

Use the following steps to update previously entered evaluation questions, add new evaluation questions, and report on progress toward answering evaluation questions.

#### STEP 1: Update previously entered evaluation designs.

- Review each previously entered evaluation question. If the evaluation design has changed, you can check any new
  evaluation designs and uncheck any evaluation designs that will no longer be used to examine this evaluation
  question. Click "edit" to confirm the changes.
- If an evaluation question no longer applies, check the appropriate box in the column titled Check if question is no longer applicable, then click "edit."

#### STEP 2: Add new evaluation questions.

- To add a new evaluation question, type the question in the text box in the Summative Evaluation Question column.
- Check all evaluation designs that will be used to answer the evaluation question. If your evaluation design uses mixed methods, please check all designs that apply.
- If you will use an evaluation design that is not listed in the table, specify the evaluation design type in the text box in the Other column.
- Click the Add button in the right-hand column to add the completed evaluation question and designs to the table.

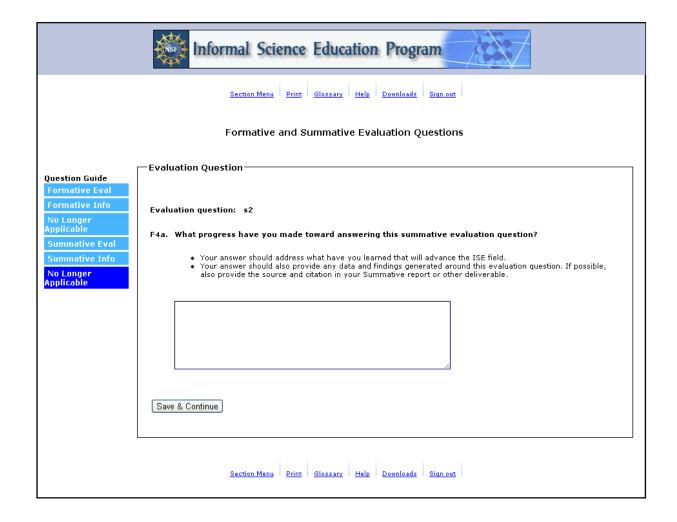
#### STEP 3: Report on progress toward answering evaluation questions.

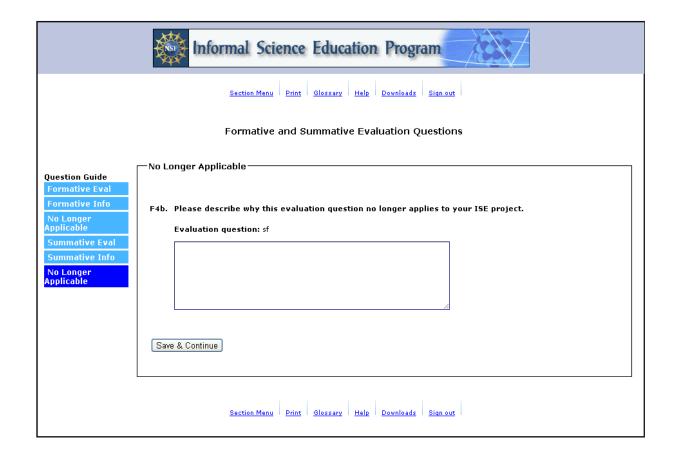
Each evaluation question in the table is a link. Click on each evaluation question link to describe the progress your
project has made toward answering the evaluation question.

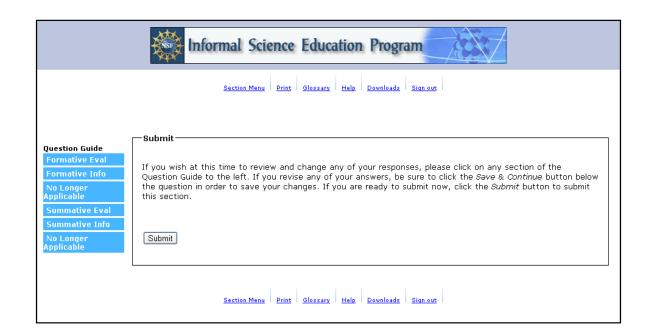
		Evaluat (check at	tion Desi Il that ap			Check if		
Summative Evaluation Question	Qualitative, no comparison group	Quantitative, no comparison group	Quasi- experi- mental	Experi- mental	Other (specify)	question is no longer applicable	Status	
<u>sf</u>	V	V	V	V			Not Started	Edit
<u>s2</u>		×					Not Started	Delete
								Add

Save & Continue

Section Menu Print Glossary Help Downloads Sign out







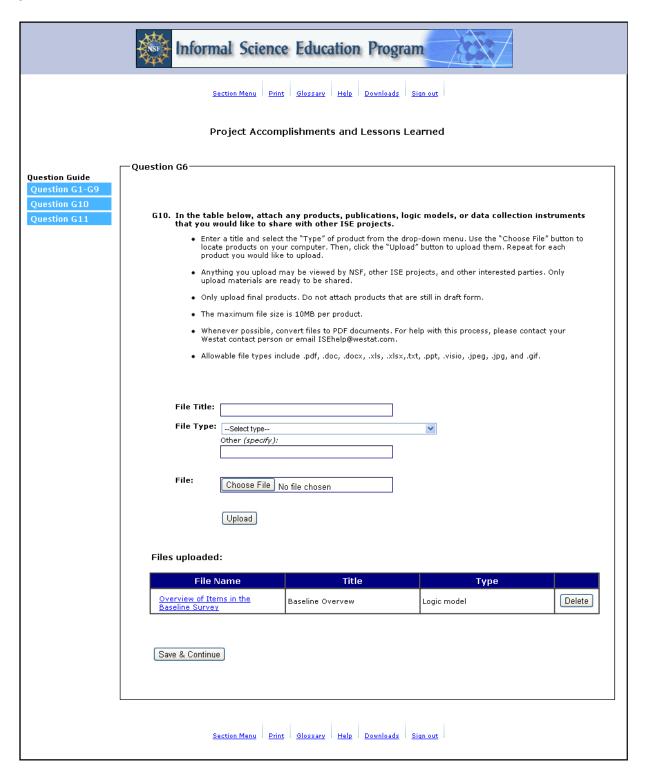
# **Section G: Project Accomplishments and Lessons Learned**

Project	Accomplish	hments	and	Lessons	Learned
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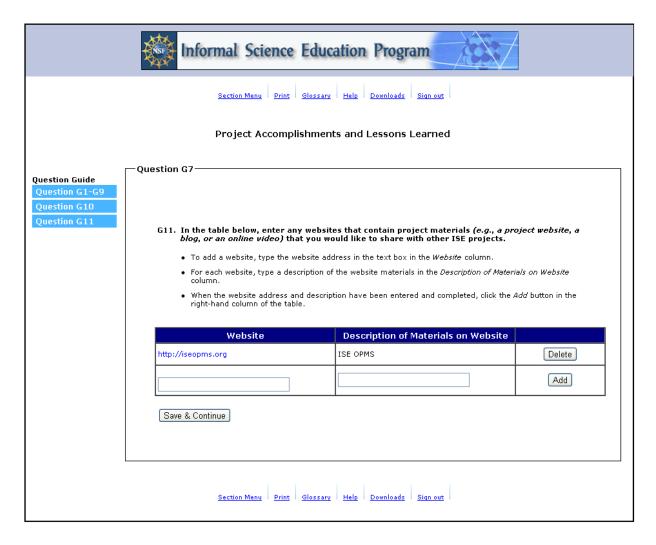
_(	Question	n G1-G7
stion Guide		
estion G1-G9 estion G10		
estion G11	G1.	What do you consider to be your project's most significant accomplishment? What is noteworthy about this accomplishment?
		<ul> <li>Your answer should provide any data and findings generated around this accomplishment. If possible, also provide the source and citation in your summative report or other deliverable.</li> </ul>
		asdf
	G2.	How did this project advance knowledge about the field of science, a specific field within science,
	uz.	and/or informal science education?
		Provide examples that can be easily understood by the general public.
		asdf
	G3.	Describe any unanticipated benefits or impacts that occurred as a result of your ISE project.
	из.	asdf
	G4.	Describe all significant innovations of your project (e.g., deliverables or approaches to project management) that would be of value to others.
		asd
	G5.	Describe any lessons that you learned as a result of this project that may be of use to other ISE Principal Investigators. If possible, address each of the following categories:
		Designing and managing project deliverables and activities
		Collaborating with partners
		Identifying and measuring project impacts
		Recruiting/retaining participants
		Sustainability
		Other aspects of your project
		asf

•	For example, provide examples of how the scope, focus, design, or implementation of the project was revised to reflect findings from your formative evaluation.
•	Enter "N/A" if your project did not have a formative evaluation.
asf	
Provi	ide a summary of approaches taken to disseminate information about your project to others s ISE field over the course of your ISE grant.
	asdf
	<i>h</i>
List a grant	only honors, awards, or other recognitions received by the project over the course of your Ist.
asf	
Desc	ribe any print and/or media coverage generated about your ISE project.
<b>Desc</b>	ribe any print and/or media coverage generated about your ISE project.
	ribe any print and/or media coverage generated about your ISE project.
	ribe any print and/or media coverage generated about your ISE project.

Note: if you do not enter any products, a checkbox appears that allows you to say you have none to upload.



Note: If you do not enter any websites, a checkbox appears that allows you to indicate that you have no websites.



# **Section H: Future Directions**

