Attachment A2

AISL Monitoring System Screenshots: OPMS Baseline Survey

Baseline Survey Screenshots for

The NSF Advancing Informal STEM Learning (AISL) Program's Online Project Monitoring System (OPMS)

NOTE: The OPMS Baseline Survey collects anticipated data over the course of the AISL grant.

To enter the Advancing Informal STEM Learning (AISL) Online Project Monitoring System (OPMS), please type your User Login and Password in the boxes below, then click on **Login**.

User Login:		ogin		1
Password:]
	OGIN		ESET	

OMB # 3145-0226, Expiration Date: 2/29/2016 Advancing Informal STEM Learning (AISL) Online Project Monitoring System (OPMS)

Sponsored by the
National Science Foundation
Conducted by
Westat
1650 Research Boulevard
Rockville, Maryland 20850

Privacy Notice

Information from this monitoring system will be retained by the National Science Foundation, a federal agency, and will be an integral part of its Privacy Act System of Records in accordance with the Privacy Act of 1974 and maintained in the Education and Training System of Records, 63 Fed. Reg. 264, 272 (January 5, 1998). These are confidential files accessible only to appropriate National Science Foundation (NSF) officials, their staffs, and their contractors responsible for monitoring, assessing, and evaluating NSF programs. Only data in highly aggregated form, or data explicitly requested as "for general use," will be made available to anyone outside of the National Science Foundation for research purposes. Data submitted will be used in accordance with criteria established by NSF for monitoring research and education grants, and in response to Public Law 99-383 and 42 U.S.C. 1885c.

Public Burden

Submission of the requested information is voluntary. Failure to provide full and complete information, however, may reduce the possibility for continued support thorough the award/project subject to this survey. The public reporting burden for this collection of information is estimated to average 24.0 person hours for the Baseline submission, 8.0 person hours for each Annual Report, and 16.0 person hours for the Closeout Report, including the time for reviewing instructions. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Suzanne Plimpton, Reports Clearance Officer for OMB Collection 3145-0226, National Science Foundation, 4201 Wilson Blvd., Suite 1265, Arlington, VA 22230.

If you have any questions, contact isehelp@westat.com

Contact Us

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

INSTRUCTIONS FOR COMPLETING THE AISL BASELINE SUBMISSION

Award ID: Test201 Award Type: Test

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

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	Status
Section A: Project and the Lead Organization	Not Started
Section B: Key Personnel for the Project Team	Not Started
Section C: Organizational Partners	Not Started
Section D: Products, Programs, or Experiences for Public Audiences	Not Started
Section E: Products, Programs, or Experiences for Professional Audiences	Not Started
Section F: Formative and Summative Evaluation Questions	Not Started
Baseline Submission Status: Not complete	

Section Menu | Print | Glossary | Survey Navigation | Help Materials | Sign out

Section A: Project and the Lead Organization

Section Menu Print Glossary Survey Navigation Help Materials Sign out

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INSTRUCTIONS FOR COMPLETING THE AISL BASELINE SUBMISSION

Award ID: Test202 Award Type: Test

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	Status
Section A: Project and the Lead Organization	Incomplete
Section B: Key Personnel for the Project Team	Not Started
Section C: Organizational Partners	Not Started
Section D: Products, Programs, or Experiences for Public Audiences	Not Started
Section E: Products, Programs, or Experiences for Professional Audiences	Not Started
Section F: Formative and Summative Evaluation Questions	Not Started
Baseline Submission Status: Not complete	

	Title	/Abstract
Question Guide Title/Abstract	riuc	Abstract
Lead Organization		
Venues	A1.	Project title:
Contact Info		
	A2.	Please review and revise the following abstract about your project:
		4000 characters left
	Sav	e & Continue
Question Guide	—Lead O	rganization————————————————————————————————————
Title/Abstract Lead Organization		
Venues	АЗ.	Lead organization name:
Contact Info		
	A4.	Division/department: (If no division/department, enter "not applicable")

(CONTINUED ON NEXT PAGE)

A5. Which of the following best describes this division/department or organization?

- · Please select one organization type.
- If your organization is a division or department of a larger entity (e.g., a museum within a university), you should also provide information below about your division or department (as opposed to the larger entity) by selecting one division/department type.
- . If your lead organization has multiple divisions or departments, select the division or department in which the PI is located.
- · If your organization is not a division or department, select Not Applicable in the Division/department column.
- If the lead organization type for a given lead organization is not listed on the table below, select "other" (under Other) and provide specific information as to how the lead organization type should be coded. The information you provide will help us develop new lead organization codes for future collections.

	Organization	Division/ department
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	©
Science-technology center or museum	0	©
Multi-type museum (e.g., a museum that is both a science-technology museum and a natural history museum)	©	0
Tribal museum	0	0
Nature or interpretive center	0	0
Planetarium or fulldome theater		0
Combined planetarium and science technology-center or museum	0	0
Zoo or a combined zoo/aquarium	0	
Aquarium only	0	©
Library	0	©
Theater or theater organization	0	0
Community organization		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
Television and radio 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)		©
Educational Institution		
Pre-K-12 district/school (including charter schools and private schools)	0	0
Continuing education institution	0	0
2-year college or community college	0	0
4-year college or university	0	0
Graduate or professional school	0	0
Other educational institution (specify)	0	0
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	
Other		

(CONTINUED ON NEXT PAGE)

Other		
Public or government agency	•	0
Evaluation or research firm/entity	•	0
Research and educational outreach firm/entity	•	0
Research laboratory/center	0	0
Consulting/public relations/marketing/communications firm/entity	•	
Foundation or grant-making institution	0	0
Private company	0	0
National or regional association or professional organization	•	0
Other (specify)	0	0
Multi-category	<u>.</u>	
Multi-category (e.g., two or more organization categories)	0	0
Not Applicable		
Not Applicable (i.e., the organization is not a division/department)		0

A6. Has the PI or any co-PIs for this project served as a PI or co-PI for a previous AISL and/or NSF project?

• If your project does not have a co-PI, please click the radio button in the column No co-PI.

	co-PI for a previous		Served as a PI or a co-PI for a previous NSF (i.e., non-AISL)		
	Yes	No	Yes	No	
PI for this grant	0	0	0	0	
Any co-PIs for this grant	0	0	0	0	0

Save & Continue

Question Guide

Title / Abeteau

Lead Organization

lanuar

Contact Info

-Venues

- A7. Please enter each public venue in which your project will reach public or professional audiences.
 - 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 AISL-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. 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.
 - If the venue type for a given venue is not listed on the table below, select "other" (under Other) and provide specific information as to how the venue should be coded. The information you provide will help us develop new venue codes for future collections.
 - $\bullet\,\,$ If your project has no public settings, please check the box below the table.

Public Venue Name	Public Venue Zip Code	Public Venue Type	
		Select venue type Other (specify):	Add
This project has no physical public se	ettings in which it will reach	public or professional audiences.	
Save & Continue			

	— Conta	ect Info	
uestion Guide Title/Abstract			
ead Organization			
/enues	A8.	Please provide the following contact information for the primary point o answering any follow-up questions about your project's responses to th	of contact at the lead organization that will be responsible for
Contact Info		answering any rollow-up questions about your project s responses to th	is suivey.
		Primary point of contact for this survey:	
		Street address:	
		City:	
		State:	Select State
		Zip code:	
		Telephone number for the primary point of contact: (###-#######)	
		Email address for the primary point of contact:	
	Save	& Continue	

Section A

Question Guide Title/Abstract

Lead Organization

Contact Info

Submit-

If you wish at this time to review and change any of your responses, please click on any section of the Question Guide to the left. If you revise any of your answers, be sure to click the Save & Continue button below the question in order to save your changes. If you are ready to submit now, click the Submit button to submit this section.

Submit

Section B: Key Personnel for the Project Team

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	Status
Section A: Project and the Lead Organization	Complete
Section B: Key Personnel for the Project Team	Not Started
Section C: Organizational Partners	Not Started
Section D: Products, Programs, or Experiences for Public Audiences	Not Started
Section E: Products, Programs, or Experiences for Professional Audiences	Not Started
Section F: Formative and Summative Evaluation Questions	Not Started
Baseline Submission Status: Not complete	

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Key Personnel for the Project Team

This section collects information about each PI, co-PI, named advisor, key team member, and consultant that will make substantial contributions to your AISL project and that has an ongoing relationship in the development of project deliverables. If you have questions concerning who would qualify as a key member of the project team, please call your Westat contact person or email isehelp@westat.com.

Use the table below to generate a list of the key personnel for your project team. Once you have created the list, you will answer a set of questions for each individual you entered.

STEP 1: Generate a list of your key personnel.

To add a member of your project team, type the individual's name in the text box in the Name of Individual column. Then, click the Add button in the right-hand column of the table.

STEP 2: Click on each individual listed below to provide information.

After you add a project team member, that name becomes a link to a set of questions for that particular individual. Click on each link in the Name of Individual
column to access and complete the questions for each individual.

Name of Individual	Information Status	
test key personnel	Not Started	Delete
		Add

-					٠.	
-	11	h	n	n	ıt.	
0	u	u	ш	ш	11	

(B1-B4 ARE COMPLETED FOR EACH PERSON ENTERED INTO THE KEY PERSONNEL TABLE)

-Ouestion B1-B4			
-Question B1-B4			

Name: test key personnel

B1. With what organization is this individual affiliated? (If no organization, enter "not applicable.")

B2. Which of the following best describes the organization with which this individual is affiliated?

- · Please select one organization type.
- If your organization is a division or department of a larger entity (e.g., a museum within a university), you should also provide information below about your division or department (as opposed to the larger entity) by selecting one division/department type.
- · Select Not Applicable for both the organization and division if the individual is not affiliated with an organization.
- Select Not Applicable for division/department if there is no separate division within the organization.
- If the organization type for a given organization is not listed on the table below, select "other" (under Other) and provide specific information as to how the organization type should be coded. The information you provide will help us develop new organization codes for future collections.

	Organization	Division/ department
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
Multi-type museum (e.g., a museum that is both a science-technology museum and a natural history museum)	0	0
Tribal museum	0	0
Nature or interpretive center	0	0
Planetarium or fulldome theater	0	0
Combined planetarium and science technology-center or museum	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
Television and radio 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
Continuing education institution	0	0
2-year college or community college		0
4-year college or university	0	0
Graduate or professional school	•	0
Other educational institution (specify)	0	•
Educational Support Services		
Educational or STEM materials development firm/entity		0
Educational or STEM research firm/entity		0
Other educational support services (specify)	0	•
Other		<u> </u>

(CONTINUED ON NEXT PAGE)

Other		
Public or government agency	0	0
Evaluation or research firm/entity	0	0
Research and educational outreach firm/entity	0	0
Research laboratory/center	0	0
Consulting/public relations/marketing/communications firm/entity	0	0
Foundation or grant-making institution	0	0
Private company	0	0
National or regional association or professional organization	0	0
Other (specify)	0	0
Multi-category		
Multi-category (e.g., two or more organization categories)	0	0
Not Applicable		
Not Applicable (i.e., the individual is not affiliated with an organization)	0	0

B3. What role will 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	0	
Co-principal investigator	0	
Program management	0	
Committee member/chair	0	
Content specialist	0	
Materials design or development (e.g., film producer, curriculum writer, exhibit designer)	0	
Computer programmer or web 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	
Internal evaluator	0	
Researcher	0	
Other (specify)	0	

			0	
B4.	Please provide the followi	ng contact information for this individual:		
	Zip code:			
	Telephone number:			
	Email address:			
Save 8	Continue			

Key Personnel for the Project Team

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To add a member of your project team, type the individual's name in the text box in the Name of Individual column. Then, click the Add button in the right-hand column of the table.

STEP 2: Click on each individual listed below to provide information.

After you add a project team member, that name becomes a link to a set of questions for that particular individual. Click on each link in the Name of Individual
column to access and complete the questions for each individual.

Name of Individual	Information Status	
test key personnel	Complete	Delete
		Add

If you have completed adding and updating the key personnel for your project team, please click the Submit button.

Submit

Section C: Organizational Partners

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	Status
Section A: Project and the Lead Organization	Complete
Section B: Key Personnel for the Project Team	Complete
Section C: Organizational Partners	Not Started
Section D: Products, Programs, or Experiences for Public Audiences	Not Started
Section E: Products, Programs, or Experiences for Professional Audiences	Not Started
Section F: Formative and Summative Evaluation Questions	Not Started
Baseline Submission Status: Not complete	

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Organizational Partners

In this section, please provide information about each of your organizational partners. For the purposes of the OPMS, this includes project partners, sub-awardees, and co-funders (who provide at least 10% of the total project budget). If you have questions concerning who would qualify as an organizational partner please call your Westat contact person or email isehelp@westat.com.

Use the table below to generate a list of your organizational partners. Once you have created this list, you will answer a series of questions for each organizational partner. If your project has no organizational partners, check the box below the table.

STEP 1: Generate a list of your organizational partners.

- To add an organizational partner, enter the organization's name in the text box in the Partner Organization column. Then, click the Add button in the right-hand column of the table.
- Do not include formative or summative evaluators here. You will enter information about evaluators in Section F: Formative and Summative Evaluation Questions.
- If a venue is an organizational partner, please enter the information about this venue in this section <u>and</u> in **Section A: Project and the Lead Organization.** If the venue is not an organizational partner, please only enter the information in Section A.

STEP 2: Click on each organization listed below to provide information.

After you add an organization to the table, the organization's name becomes a link to a set of questions for that particular organization. Click on each
organization name in the Partner Organization column to access and complete the questions for that organization.

Partner Organization	Partner Primary Contact	Information Status	
test organizational partner		Not Started	Delete
			Add

1000	rgamedional paraner	Not Started	Delete
			Add
	This project has no organizational partners.		\$0

If you have completed adding and updating your organization's partners, or if you have no organizational partners, please click the Submit button.

Submit

(C1-C5 ARE COMPLETED FOR EACH ORGANIZATION ENTERED IN THE PARTNER ORGANIZATION TABLE)

-Question C1-C5-

Graduate or professional school

Other educational institution (specify)

Educational Support Services

Educational or STEM research firm/entity

Other educational support services (specify)

Educational or STEM materials development firm/entity

rganization name: est organizational partner		
ivision/department: (If no division/department, enter "not applicable.")		
The state of the s		
hich of the following best describes this organization (or division within an organization)?		
Please select one organization type.		
If the organization is a division or department of a larger entity (e.g., a museum within a university), you should also department (as opposed to the larger entity) by selecting one division/department type.	o provide information below	about the division
If there is no division/department for this organization, select Not Applicable.		
If the organization type for a given organization is not listed on the table below, select "other" (under Other) and pro		
should be coded. The information you provide will help us develop new organization codes for future collections.	Organization	Division/ department
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
Multi-type museum (e.g., a museum that is both a science-technology museum and a natural history museum) Tribal museum	0	<u> </u>
Nature or interpretive center	0	
Planetarium or fulldome theater	0	0
	0	0
Combined planetarium and science technology-center or museum 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
Television and radio station or organization	0	0
Website design firm/entity	0	0
	0	0
Software design firm/entity	0	0
Software design firm/entity Digital/interactive media design and production firm/entity		
	0	0
Digital/interactive media design and production firm/entity Other media design/production (specify) Educational Institution		
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)	0	0
Digital/interactive media design and production firm/entity Other media design/production (specify) Educational Institution		

(CONTINUED ON NEXT PAGE)

0

Other		
Public or government agency	0	0
Evaluation or research firm/entity	0	0
Research and educational outreach firm/entity	0	0
Research laboratory/center	0	0
Consulting/public relations/marketing/communications firm/entity	0	0
Foundation or grant-making institution	0	0
Private company	0	0
National or regional association or professional organization	0	0
Other (specify)	0	0
Multi-category		
Multi-category (e.g., two or more organization categories)	0	0
Not Applicable		1
Not Applicable (i.e., there is no division/department for this organization)		0

		1000 characters left	
Please provide the follow	wing contact information for th	nis organization:	
•			
Primary point of contact	t:		
Primary point of contact	t:		
	he		

Save & Continue

Organizational Partners

In this section, please provide information about each of your organizational partners. For the purposes of the OPMS, this includes project partners, sub-awardees, and co-funders (who provide at least 10% of the total project budget). If you have questions concerning who would qualify as an organizational partner please call your Westat contact person or email isehelp@westat.com.

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- If a venue is an organizational partner, please enter the information about this venue in this section <u>and</u> in **Section A: Project and the Lead Organization.** If the venue is not an organizational partner, please only enter the information in Section A.

STEP 2: Click on each organization listed below to provide information.

After you add an organization to the table, the organization's name becomes a link to a set of questions for that particular organization. Click on each
organization name in the Partner Organization column to access and complete the questions for that organization.

Partner Organization	Partner Primary Contact	Information Status	
test organizational partner	test	Complete	Delete
			Add

		Timury Contact		
test or	rganizational partner	test	Complete	Delete
				Add
	This project has no organizational partners.			

This project has no organizational partners.

If you have completed adding and updating your organization's partners, or if you have no organizational partners, please click the Submit button.

Submit

ences

Section Menu | Print | Glossary | Survey Navigation | Help Materials | Sign out

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

INSTRUCTIONS FOR COMPLETING THE AISL BASELINE SUBMISSION

Award ID: Test201 Award Type: Test

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

Some of this information can be taken directly from your original AISL proposal. 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.

Links are available at the top and bottom of the screen to assist you. For guidance on how to navigate the system, click on the Survey Navigation link. For information on the items contained in the survey and how to address them, click on the Help Materials link.

Please complete each of the following sections of the Baseline Submission as they pertain to your AISL 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 Personnel for the Project Team	Complete
Section C: Organizational Partners	Complete
Section D: Products, Programs, or Experiences for Public Audiences	Not Started
Section E: Products, Programs, or Experiences for Professional Audiences	Not Started
Section F: Formative and Summative Evaluation Questions	Not Started
Baseline Submission Status: Not complete	

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(SECTION D IS ONLY COMPLETED IF A PROJECT HAS AT LEAST ONE PUBLIC AUDIENCE DELIVERABLE. IN D1, A SELECTION OF "YES" CONTINUES TO THE DELIVERABLE LIST SCREEN. A SELECTION OF "NO" RETURNS TO THE SECTION MENU.)

Products, Programs, or Experiences for Public Audiences

This section collects information about each public audience deliverable that your project is designed to produce. Public audience deliverables are products, programs, or experiences that target public audiences for self-directed learning in informal settings. If your project has deliverables that target public audiences, select "Yes" to D1 to enter the public audience deliverable section. If your project does <u>not</u> have any public audience deliverables, select "No" and proceed to **Section E: Products, Programs, or Experiences for Professional Audiences.**

NOTE: Before selecting an answer for D1, please note that this section *does not* collect information about products, programs, or experiences that target <u>professional</u> audiences. Deliverables for professional audiences should *only* be added in **Section E: Products, Programs, or Experiences for Professional Audiences.**

D1.	Does your project have any deliverables for public audiences?
	YesNo
Save & C	Continue

Products, Programs, or Experiences for Public Audiences

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Deliverable List

Use the table below to generate a list of your public audience deliverables. Once you have created this list, you will answer a series of questions for each deliverable you entered.

STEP 1: Generate a list of your project deliverables for public audiences.

- To add a deliverable, enter the deliverable name in the text box in the Deliverable Name column. Then, click the Add button in the right-hand column of the table.
- Your project will likely have multiple deliverables (e.g., a museum exhibit and a website). <u>Click here</u> to review the OPMS list of
 public audience deliverable types. If your deliverable type is not included on this list, you can enter it in an "Other" category
 when you provide information about the deliverable type.

STEP 2: Click each deliverable name listed below to provide information.

- After you add a deliverable, the deliverable name becomes a link to a series of questions for that particular deliverable. Click on
 each deliverable name in the Deliverable Name column to access and complete the questions for that deliverable.
- The information collected for each deliverable is very important, and you should carefully consider your response to each item. The information you provide will maximize the AISL program's capacity to report on specific trends and accomplishments at the program, project, and deliverable levels.

Deliverable Name	Information Status	
Test public audience deliverable: Website	Not Started	Edit Delete
		Add

If you have completed adding and updating the public audience deliverables, please click the Submit button.

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Submit

(SECTION D QUESTIONS ARE ANSWERED FOR EACH DELIVERABLE ENTERED IN THE DELIVERABLE TABLE)

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Please indicate the delive	rable type that best describes <u>this</u> product, program, or experience. (Select <u>one</u> .)
riouse maioate the delive	radio () po tilat bast describes <u>time</u> producty program, or experiencel (essect <u>one</u>)
Audio and Video	
Planetarium show (at one o	r more public venues)
Full-length film/movie	
Television segment/episode	/program/series
Video segment/clip/program	s/series (that does <u>not</u> originate on television or full-length film/movie)
Radio segment/episode/prog	gram/series (that originates on AM/FM/HD/satellite radio)
Audio segment/episode/prog	gram/series (that does <u>not</u> originate on radio)
Other audio or video (specil	fy)
Exhibits (not including vir	
•	revise exhibit at one or more public venues)
	revise exhibit at one or more public venues)
Traveling exhibit (create/re	vise traveling exhibit at two or more public venues)
Other exhibit (specify)	
Programs, Events, and Ac	rtivities
	gram for youth (e.g., at a youth or community center)
Science café	
Group/club (e.g., astronom	y club)
Group-oriented program (e.	g., family nights at a museum)
Festival or other one-time/a	annual event
Theater production or perfo	rmance
Research and/or data collec	ction BY citizen scientists
Other program or event (sp	ecify)
Resource Materials and Ir Blog/newsletter	nformation Sharing
Newspaper/magazine <i>(artic</i> i	lo or entire publication)
Discussion group/forum (e.g	
	r professionals for the general public (e.g., lectures by scientists or other STEM professionals
at museums or other public	
Presentation BY informal lea	arners (e.g., seminar by citizen scientists describing findings from their research or data)
Research paper or issue brie	ef (e.g., paper prepared by citizen scientists describing findings from their research or data)
Informational guides (e.g., 1	family guides that help explain key concepts in a museum exhibit)
Demonstration/activity kit/g	guide (with supplies and/or instructions to perform experiments or activities)
Social media presence	

(CONTINUED ON NEXT PAGE)

Wiki website (e.g., allows creation and editing of interlinked web pages via a web browser using a simplified markup language)	
Database on project website (e.g., database to collect data from citizen scientists)	
Database on non-project website (e.g., developing the capacity to contribute to an existing database)	
Other infrastructure (specify)	
Games and Information and Communication Technologies	
Game (e.g., mobile online games, massively multiplayer online games, console games, board games)	
Social virtual world (e.g., computer-based simulated environments such as Second Life)	
Simulation (e.g., a virtual museum exhibit, a simulation of a scientific phenomenon)	
Application for mobile/wireless device (e.g., GPS or iPhone/iPad application)	
Other information and communication technology (specify)	
Project Website	
Project Website	
Other	
Other (specify)	
& Continue	

(D2A IS ONLY ANSWERED IF THE DELIVERABLE TYPE SELECTED IN THE PREVIOUS QUESTION, D2, IS "PROJECT WEBSITE")

	Website Info
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Deliverable List	D2a. Which of the following products, programs, or experiences are included on your project website? (Select all that apply for
Deliverable Type	your project website.)
Website Info	☐ Full-length film/movie
Audience Count	☐ Television segment/episode/program/series
Project Info	☐ Video segment/clip/program/series (that does <u>not</u> originate on television or full-length film)
Geographic Reach	☐ Radio segment/episode/program/series (that originates on AM/FM/HD/satellite radio)
	Audio segment/episode/program/series (that does <u>not</u> originate on radio)
Target Group	□ Blog/Newsletter
Target Audience	Newspaper/magazine (article or entire publication)
Target Group Data	☐ Discussion group/forum
Impact List	Presentation (e.g., PowerPoint slides from presentation by scientists for informal learners)
	Research paper or issue brief
	Activity or informational guide/kit (e.g., family guides for a museum exhibit)
	☐ Wiki site
	Database
	Game (e.g., mobile online games, massively multiplayer online games, console games)
	Social virtual world (e.g., computer-based simulated environments such as Second Life)
	☐ Simulation (e.g., a virtual museum exhibit, a simulation of a scientific phenomenon)
	☐ Application for mobile/wireless device (e.g., GPS or iPhone/iPad application)
	Other components that appear on a project website (specify)
	Save & Continue
	Save a Continue

(EACH OF THE EIGHT DELIVERABLE CATEGORIES IN D2 (E.G., AUDIO AND VIDEO) SKIPS TO A UNIQUE D3 (AUDIENCE COUNT) QUESTION. ALTHOUGH ALL EIGHT D3 ITEMS ARE DISPLAYED BELOW, ONLY ONE OF THE D3 QUESTIONS IS ANSWERED FOR EACH DELIVERABLE.)

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D3a. In the table below, please select the method(s) that will be used to deliver this product, program, or experience to your public audiences.

For each selected delivery method, provide your best estimate of the number of individuals that you expect to reach with *this* deliverable over the course of the AISL grant award period.

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

Click here for the AISL 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 will listen, view, read, and/or use <u>this</u> deliverable. If you are only providing a <u>duplicated count</u>, please leave the unduplicated count field blank.

Click here for the AISL 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)			

Save & Continue

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In the table below, please select the method(s) that will be used to deliver this product, program, or experience to your public D3b.

For each selected delivery method, provide your best estimate of the number of individuals that you expect to reach with *this* deliverable over the course of the AISL grant award period.

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

Click here for the AISL 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 will listen, view, read, and/or use <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 AISL 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 Exhibit	Unduplicated Count	Duplicated Count	Unable to determine at this time
Permanent exhibit (create/revise exhibit at one or more public venues)			

Save & Continue

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In the table below, please select the method(s) that will be used to deliver this product, program, or experience to your public D3c.

For each selected delivery method, provide your best estimate of the number of individuals that you expect to reach with this deliverable over the course of the AISL grant award period.

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

Click here for the AISL 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 will listen, view, read, and/or use <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 AISL 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 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)			
Theater at an informal science education venue (e.g., a museum)			
Professional theater			
Theater in another setting (e.g., community center)			
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 <u>non-project</u> 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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D3d. In the table below, please select the method(s) that will be used to deliver this product, program, or experience to your public audiences.

For each selected delivery method, provide your best estimate of the number of individuals that you expect to reach with this deliverable over the course of the AISL grant award period.

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

Click here for the AISL 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 will listen, view, read, and/or use <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 AISL 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

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D3e. In the table below, please select the method(s) that will be used to deliver this product, program, or experience to your public

For each selected delivery method, provide your best estimate of the number of individuals that you expect to reach with *this* deliverable over the course of the AISL grant award period.

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

Click here for the AISL 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 will listen, view, read, and/or use <u>this</u> deliverable. If you are only providing a <u>duplicated count</u>, please leave the unduplicated count field blank.

Click here for the AISL 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)			

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D3f. In the table below, please select the method(s) that will be used to deliver this product, program, or experience to your public

For each selected delivery method, provide your best estimate of the number of individuals that you expect to reach with *this* deliverable over the course of the AISL grant award period.

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

Click here for the AISL 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 will listen, view, read, and/or use <u>this</u> deliverable. If you are only providing a <u>duplicated count</u>, please leave the unduplicated count field blank.

Click here for the AISL 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)			
Exhibit: 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

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D3g. In the table below, please select the method(s) that will be used to deliver this product, program, or experience to your public

For each selected delivery method, provide your best estimate of the number of individuals that you expect to reach with *this* deliverable over the course of the AISL grant award period.

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

Click here for the AISL 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 will listen, view, read, and/or use <u>this</u> deliverable. If you are only providing a *duplicated count*, please leave the unduplicated count field blank.

Click here for the AISL 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
Project Website			

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In the table below, please select the method(s) that will be used to deliver this product, program, or experience to your public

For each selected delivery method, provide your best estimate of the number of individuals that you expect to reach with this deliverable over the course of the AISL grant award period.

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

Click here for the AISL 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 will listen, view, read, and/or use <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 AISL 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
	test			
Save	& Continue			

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Please provide a brief description of <u>this</u> deliverable. The description should include information about:
The deliverable's purpose or what it will accomplish.
The deliverable's content.
Any unique or innovative features about the deliverable.
2000 characters left

(CONTINUED ON NEXT PAGE)

Primary focus (i.e., at least 25 percent of your overall AISL project effort in terms of budget and/or staff time)
 Secondary focus (i.e., less than 25 percent of your overall AISL project effort in terms of budget and/or staff time)

D6. 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 deliverable (e.g., what the project is looking to educate public audiences about).
- Check up to two primary STEM content foci for this deliverable. Check all remaining secondary STEM content foci that apply for this deliverable.

STEM Content Area	Primary	Secondary
Biological Sciences		
Environmental Biology		
Integrative Organismal Systems		
Molecular and Cellular Biosciences		
Evolution		
Anatomy		
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		
Materials Research		
Mathematical Sciences		
Physics		
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		
Archaeology/Paleontology		
Other social, behavioral and economic sciences (specify)		

Other	
Animal Sciences	
Plant Sciences	
Environmental/Conservation/Climate Sciences	
Nanotechnology	
History of Science	
Energy	
Scientific Tools	
Other (specify)	

(CONTINUED ON NEXT PAGE)

D7. Is this deliverable interdisciplinary (i.e., does it integrate concepts across multiple content areas)?

ONLY select "Yes" if your deliverable is interdisciplinary:

A deliverable is interdisciplinary if it integrates concepts, information, techniques, perspectives, theories, etc. from two or more disciplines. For example, a television series is interdisciplinary if a single episode explores how math skills are utilized in a specific scientific field.

DO NOT select "Yes" if your deliverable is multidisciplinary OR the team developing the deliverable is multidisciplinary:

- A deliverable is multidisciplinary if it includes, but does not integrate, concepts, information, techniques, perspectives, theories, etc. from two
 or more disciplines. For example, a television series is multidisciplinary if it includes one episode about math skills and a separate episode about a
 specific scientific field. In this case, math and science are not integrated.
- A deliverable is NOT interdisciplinary simply because the team members developing the deliverable come from multiple disciplines. The
 deliverable, and not the team, must integrate two or more disciplines in order to be interdisciplinary.

Click here to hide examples of interdisciplinary public audience deliverables.

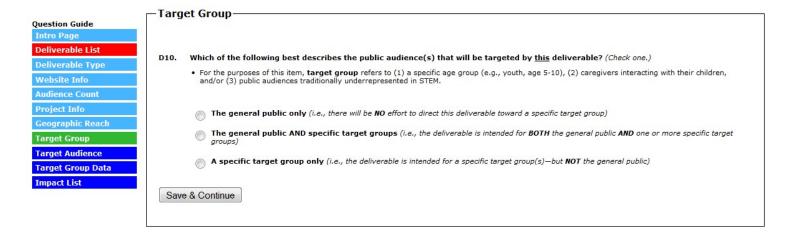
- The film will be interdisciplinary because it will teach viewers how technology and engineering are utilized in a range of fields including medicine, physics, and earth science.
- . The exhibit will be interdisciplinary because it will explore the inter-relatedness of energy demand, water consumption, and climate change.
- . The festival will be interdisciplinary because each activity at the festival will demonstrate connections between STEM disciplines and the arts.

	No	
	Yes	
If Ye	s, please describe the EXACT steps that will be taken to make <u>this</u> de	liverable interdisciplinary.
		2000 characters left

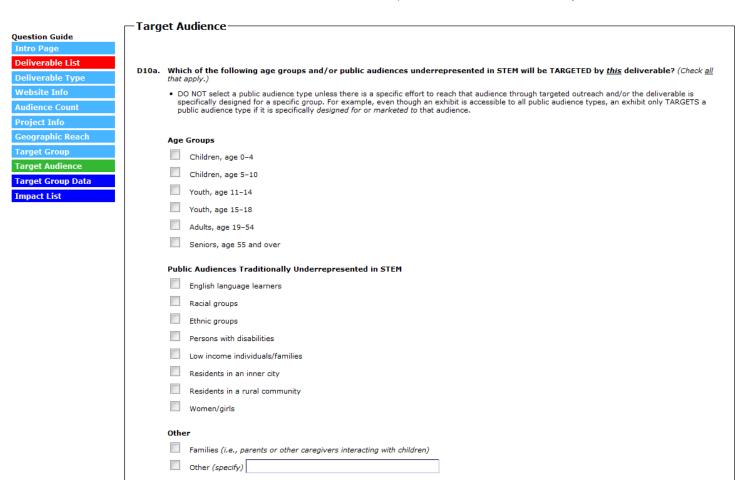
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-Geographic Reach-

D8.	Which of the following best describes the anticipated geographic reach of the public audiences that will ultimately access or use this deliverable? (Check one.)
	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).
	Multiple communities within a single state or U.S. territory Select if the deliverable will reach 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 will only reach 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).
	Specify in how many states and/or territories you anticipate reaching public audiences:
D9.	Will any steps be taken to TARGET this deliverable to international public audiences outside of the United States and U.S. territories?
	DO NOT select "Yes" if international audiences will be passive observers/consumers of the deliverable.
	 For example, a website is not targeting international audiences merely because it is accessible to an international audience via the internet. A website only TARGETS international audiences if it is specifically designed for or is marketed to a specific international audience.
	Click here to hide examples of how a deliverable is targeted to international public audiences.
	The film will target international audiences because it will be licensed to theaters in Canada and Europe.
	The exhibit will be launched at a site that is commonly visited by international audiences. To target the international visitors, steps will be taken to translate exhibit information in order that they can fully participate in the exhibit.
	The activities will target international audiences because they will be advertised and promoted through an international science network.
	© No
	O Yes
	If Yes, please describe the EXACT steps that will be taken to TARGET international public audiences with this deliverable:
	ar resy please describe the Exicar steps that will be taken to rinke hatolici public dedictions with any deliverable.
	2000 characters left
Sav	e & Continue



(ONLY PROJECTS THAT SELECT "THE GENERAL PUBLIC AND SPECIFIC TARGET GROUPS" OR "A SPECIFIC TARGET GROUP ONLY" IN D10 WILL ANSWER D10A-B; OTHERS WILL SKIP TO D10C)



(CONTINUED ON NEXT PAGE)

D10b.	Please describe the EXACT steps that will be taken to TARGET this deliverable to EACH of the age groups and/or public audiences underrepresented in STEM selected in D10a.
	Click here to hide examples of how deliverables target public audiences.
	 The afterschool program will target urban and rural youth. Program staff will conduct outreach and recruit urban and rural youth through partnerships with local organizations that serve these populations.
	• The exhibit will target Latino adults through bilingual material presentation. The exhibit will also be advertised in venues used by Latino adults.
	 The website will target children ages 5-10. To target this group, the website content will be developed in a style that is accessible and engaging for young children.
	2000 characters left
Save	e & Continue

Question Guide	ranget Group Bata
Intro Page	
Deliverable List	
Deliverable Type	D10c. Will your project obtain a count for the number served by this deliverable for any of the following public audience characteristics over the course of your AISL grant for this deliverable? (Check <u>all</u> that apply.)
Website Info	Mark each characteristic for which you will be able to provide a count or subset of counts.
Audience Count	Mark "No" if your project will not provide counts for any of the below categories.
Project Info	
Geographic Reach	Gender
Target Group	Race/ethnicity
Target Audience	☐ Age
Target Group Data	Public audiences traditionally underrepresented in STEM
Impact List	Families
	No, my project will not provide counts for any of the above categories for this deliverable
	Save & Continue

Impact List Question Guide Intro Page D11. Please provide the following information about the anticipated impacts of this deliverable on your public audience. **Deliverable List** Deliverable Type Use the table below to generate a list of impact statements that depict EACH of the public audience outcomes that are expected to occur as a result of Website Info **Audience Count** Each impact statement should be a single sentence that describes how a target audience will change as a result of exposure to this deliverable. A well-written impact statement will include the following information: • The public audience that will change as result of exposure to this deliverable (e.g., middle school girls); Geographic Reach • The type of change that will be observed (e.g., an increase in knowledge or awareness); and Target Group • The subject or content area that is the focus of the impact. A deliverable can have multiple impacts—e.g., one for increased knowledge AND another for enhanced interest. You should NOT combine two impacts Impact List Click here to hide examples of impact statements for public audiences. . Middle school girls will learn about the scientific research process. • Middle school girls will be interested in the scientific research process. • Middle school girls will have more positive attitudes toward scientific careers. • Middle school girls will conduct scientific research. • Middle school girls will demonstrate specific skills necessary to carry out scientific research.

Once you have created this list, you will answer a set of questions for each impact statement about corresponding indicators, study designs, and data collection methods. You should consult with your evaluator when generating a list of impact statements and answering the corresponding questions.

Step 1: Generate a list of impact statements for this deliverable.

- To add an impact, enter the impact statement in the text box in the Impact Statement column. Then, click the Add button in the right-hand column of the table.
- · You will be able to add additional impact statements at a later time.

Step 2: Provide information about each impact.

- After you add an impact, the impact statement becomes a link to a set of questions for that particular impact.
- . Click on the statement in the Impact Statement column to access and complete the questions for that impact.
- · Click here to obtain background information about impacts, indicators, impact categories, study designs, and data collection methods.

If no impacts will be measured for this deliverable, select the box below the table.

	Impact Statement (see examples above)	Information Status	
	:		Add
	There are no impacts for this deliverable.		
Submit			

(FOR EACH IMPACT STATEMENT ENTERED IN THE "IMPACT STATEMENT" TABLE, ANSWER D11A-D11C OR D11A-D11D)

Impa	ct Info-
Impact	: Statement: Middle school girls will learn about the scientific research process.
D11a.	Please indicate the appropriate category for this impact statement. (Check one.)
	Awareness, knowledge, or understanding of a concept or topic (e.g., middle school girls will learn about the scientific research process)
	Engagement or interest in a concept or topic (e.g., middle school girls will be interested in the scientific research process)
	Attitude regarding a concept or topic (e.g., middle school girls will have more positive attitudes toward scientific careers)
	Behavior regarding a concept or topic (e.g., middle school girls will conduct scientific research)
	Skills regarding a concept or topic (e.g., middle school girls will demonstrate specific skills necessary to carry out scientific research)
	Other (specify)
	What indicates will account to determine whether this important the orbits and
11b.	What indicators will you use to determine whether this impact will be achieved? • Indicators are the evidence that will be used to measure progress towards a given impact. An indicator answers the question: How will you know it
	when you see it?
	 Effective indicators align directly to impacts and are clear, measurable, unbiased, and sensitive to change. For instance, if an impact relates to knowledge gains, the indicator should measure knowledge gains as opposed to, say, participant interest.
	While indicators are measurable, they do not always need to be quantifiable. Indicators can also be qualitative and descriptive, i.e., "Participants will describe that they"
	Click here to hide examples of indicators that might be used to measure progress towards the following impact: Middle school girls will learn about the scientific research process.
	Participating middle school girls will be able to define the scientific method.
	• Participating middle school girls will be able to define such terms as hypothesis, hypothesis testing, reliability, and replication.
	 Participating middle school girls will be able to distinguish the scientific method from other methods of acquiring knowledge.
	Participating middle school girls will be able to identify the benefits of the scientific method.
	Middle school girls will be able to articulate the specific steps that comprise the scientific method.
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۷.	
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3.	
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4.	
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Question Guide
Intro Page
Deliverable List
Impact List
Impact Info
Data Collection

(CONTINUED ON NEXT PAGE)

D11c. Which of the following evaluation designs will be 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 all of the study designs that apply.

Click here to hide definitions for the study designs.

- Qualitative, no comparison group: Research involving the use of descriptive and interpretive data. Frequently conducted in a natural setting
 where the researcher gathers words or pictures, analyzes them inductively, focuses on the meaning of participants, and describes a process that
 is both expressive and persuasive in language. "Qualitative no comparison group" means that evaluators will only study those who have
 participated in or viewed an AISL activity.
- Quantitative, no comparison group: Research involving the use of numerical measurement and data analysis based on statistical methods.
 Frequently relies on structured questions where response options have been predetermined and a large number of respondents are involved.
 Examples include the number of questions people answer correctly or the number of people who visit a website. "Quantitative no comparison group" means that evaluators will only study those who have participated in or viewed an AISL activity.
- Quasi-experimental: Study that compares outcomes for a treatment group and a comparison group—in which the comparison group is not
 exposed to an AISL activity. Comparison group is chosen through methods other than random assignment. One type of quasi-experimental study
 is a comparison-group study with equating: statistical controls and/or matching techniques are used to make the intervention and comparison
 groups similar in their pre-intervention characteristics. Another type of quasi-experimental study is a regression-discontinuity study: individuals
 are assigned to intervention or comparison groups solely on the basis of a "cutoff" score on a pre-intervention measure.
- Experimental: Study that measures an intervention's impact by randomly assigning individuals (or other units, such as classrooms or schools) to a treatment group (exposed to the AISL activity) and control group (is not exposed to the AISL activity). Because assignment is determined through random assignment, participants have an equal chance of being assigned to either the treatment or control group.

Qualitative, no comparison group
Quantitative, no comparison group
Quasi-experimental
Experimental
Other (specify)
None (impact will not be measured during the life of the grant award)

(D11D IS SKIPPED IF THE SELECTION IN D11C IS "NONE")

D11d. Which of the following data collection methods will be 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 each data collection activity will occur:

- Prior to the AISL activity (data collected at any point in time before a participant engages in the AISL activity)
- During/at the end of the AISL activity (data collected while/ immediately after the participant engages in the AISL activity—e.g., an exit interview when leaving an exhibit)
- At some point after the AISL activity (data collected at some point after the participant has ended engagement with the activity)

	When data will be collected		
Data Collection Activity	Prior to the AISL deliverable/ activity	During/at the end of the AISL deliverable/ activity	At some point after the AISL 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)			
Readership/citation/usage records			
Number of requests for deliverable			
Number of published or completed products by audience members			
Website downloads			
Website submissions			
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)		F	
Data collected via telephone			
Questionnaire/survey			
Formal assessment/test			
Focus groups			
Interviews		F	
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 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 education venue/program			
Other data collected <u>OUTSIDE</u> of informal science venues/other educational settings (specify)			
Other			
Other (specify)			

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

Section Menu Print Glossary Survey Navigation Help Materials Sign out

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

INSTRUCTIONS FOR COMPLETING THE AISL BASELINE SUBMISSION

Award ID: Test201 Award Type: Test

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

Some of this information can be taken directly from your original AISL proposal. 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.

Links are available at the top and bottom of the screen to assist you. For guidance on how to navigate the system, click on the Survey Navigation link. For information on the items contained in the survey and how to address them, click on the Help Materials link.

Please complete each of the following sections of the Baseline Submission as they pertain to your AISL 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 Personnel for 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	Not Started	
Section F: Formative and Summative Evaluation Questions	Not Started	
Baseline Submission Status: Not complete		

(SECTION E IS ONLY COMPLETED IF A PROJECT HAS AT LEAST ONE PROFESSIONAL AUDIENCE DELIVERABLE. IN E1, A SELECTION OF "YES" CONTINUES TO THE DELIVERABLE LIST SCREEN. A SELECTION OF "NO" RETURNS TO THE SECTION MENU.)

Products, Programs, or Experiences for Professional Audiences

This section collects information about each professional audience deliverable that your project is designed to produce. Professional audience deliverables target professionals or institutions for enhancement of informal learning knowledge, infrastructure, or systems. If your project has deliverables that target professional audiences, select "Yes" to E1 to enter the professional audience deliverables section. If your project does <u>not</u> have any professional audience deliverables, select "No" and proceed to **Section D: Products, Programs, or Experiences for Public Audiences.**

NOTE: Before selecting an answer for E1, please note that this section *does not* collect information about products, programs, or experiences that target <u>public</u> audiences. Deliverables for public audiences should *only* be added in **Section D**: **Products**, **Programs**, **or Experiences for Public Audiences**.

E1.	Does	s your project have any deliverables for professional audiences?
	<!--</th--><th>Yes No</th>	Yes No

(SECTION E QUESTIONS ARE ANSWERED FOR EACH DELIVERABLE ENTERED IN THE DELIVERABLE TABLE)



Deliverable List

Submit

Use the table below to generate a list of your professional audience deliverables. Once you have created this list, you will answer a series of questions for each deliverable you entered.

STEP 1: Generate a list of your project deliverables for professional audiences.

- To add a deliverable, enter the deliverable name in the text box in the Deliverable Name column. Then, click the Add button in the right-hand column of the table.
- Your project will likely have multiple deliverables (e.g., a training workshop and a website). Click here to review the OPMS list of professional audience deliverable types. If your deliverable type is not included on this list, you can enter it in an "Other" category when you provide information about the deliverable type.

STEP 2: Click each deliverable name listed below to provide information.

• After you add a deliverable, the deliverable name becomes a link to a series of questions for that particular deliverable. Click on each deliverable name in the *Deliverable Name* column to access and complete the questions for that deliverable.

Deliverable Name	Information Status	5
		Add

Deliverable Type Question Guide Intro Page Deliverable List E2. Please indicate the category that best describes this product, program, or experience. (Select one.) Deliverable Type Project Info **Audio and Video** Geographic Reach Video segment/clip/program/series (e.g., training videos, webinars) 0 Audio segment/clip/program/series Target Audience Other audio or video (specify) Impact Organization Resource Materials and Information Sharing **Impact List** Blog/newsletter Discussion group/forum/information sharing network Curriculum Training workshop 0 Presentation (e.g., lecture at a conference for formal educators) Research paper, issue brief, or publication (e.g., an article in a peer-reviewed journal) Informational guide (e.g., teacher guides for museum exhibit) Demonstration/activity kit/guide (with supplies and/or instructions to perform experiments or activities) 0 Program or event 0 0 Theater production or performance 0 Conference 0 Residency program Other resource materials (specify) 0 Infrastructure Development or Enhancement for Facilitated Communication Evaluation tools 0 Website for professional audiences (e.g., wiki website) Database (e.g., creating a new database or developing the capacity to contribute to an existing database) 0 Customizable tools or computer infrastructure 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) Application for mobile/wireless device (e.g., GPS or iPhone/iPad application) Other information and communication technology (specify) **Project Website** Project Website Other (specify)

	Project Info
Question Guide	100
Intro Page	
Deliverable List	E3. Please provide a brief description of this deliverable. The description should include information about:
Deliverable Type	
Project Info	The deliverable's purpose or what it will accomplish.
Geographic Reach	The deliverable's content.
Target Audience	Any unique or innovative features about the deliverable.
Impact Organization	,
Impact List	
	2000 characters left
	E4. Please indicate whether this deliverable is a primary or secondary focus of your overall AISL project.
	Primary focus (i.e., at least 25 percent of your overall AISL project effort in terms of budget and/or staff time)
	 Secondary focus (i.e., less than 25 percent of your overall AISL project effort in terms of budget and/or staff time)

(CONTINUED ON NEXT PAGE)

E5. 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 deliverable (e.g., what the project is looking to educate professional audiences about).
- Check up to two primary STEM content foci for this deliverable. Check all remaining secondary STEM content foci that apply for this deliverable.

STEM Content Area	Primary	Secondary
Biological Sciences		
Environmental Biology		
Integrative Organismal Systems		
Molecular and Cellular Biosciences		
Evolution		
Anatomy		
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		
Materials Research		
Mathematical Sciences		
Physics		
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		
Archaeology/Paleontology		
Other social, behavioral and economic sciences (specify)		
Other .		
Animal Sciences		
Plant Sciences		
Environmental/Conservation/Climate Sciences		
Nanotechnology		
History of Science		
Energy		
Scientific Tools		
Other (specify)		

(CONTINUED ON NEXT PAGE)

E6. Is this deliverable interdisciplinary (i.e., does it integrate concepts across multiple content areas)?

ONLY select "Yes" if your deliverable is interdisciplinary:

Sav

 A deliverable is interdisciplinary if it integrates concepts, information, techniques, perspectives, theories, etc. from two or more disciplines. For example, curriculum is interdisciplinary if a single lesson explores how math skills are utilized in a specific scientific field.

DO NOT select "Yes" if your deliverable is multidisciplinary OR the team developing the deliverable is multidisciplinary:

- A deliverable is multidisciplinary if it includes, but does not integrate, concepts, information, techniques, perspectives, theories, etc. from two or more disciplines. For example, curriculum is multidisciplinary if it includes one lesson about math skills and a separate lesson about a specific scientific field. In this case, math and science are not integrated.
- A deliverable is **NOT interdisciplinary** simply because the team members developing the deliverable come from multiple disciplines. The deliverable, and not the team, must integrate two or more disciplines in order to be interdisciplinary.

Click here to hide examples of interdisciplinary professional audience deliverables.

- The presentation will be interdisciplinary because it will introduce concepts from a range of disciplines and explore how
 these concepts all contribute to deep ocean research and exploration.
- · The lesson plans will be interdisciplinary because each one will combine two disciplines, such as physics and biology.
- The workshops will be interdisciplinary because they will teach techniques for integrating science content into engineering challenges.

	challenges.	
0	No	
0	Yes	
If \	Yes, please describe the EXACT steps that will be take	ten to make this deliverable interdisciplinary.
		2000 characters left
& C	Continue	

Geographic Reach Question Guide Deliverable List E7. Which of the following best describes the anticipated geographic reach of the professional audiences that will **Deliverable Type** ultimately access or use this deliverable? (Check one.) Project Info Single community or metropolitan region Geographic Reach Select "single community or metropolitan region" even if the community or metropolitan region spans multiple states (e.g., Target Audience the Washington, D.C., metropolitan area—which includes the District of Columbia, Maryland, and Virginia). Impact Organization Impact List Multiple communities within a single state or U.S. territory Select if the deliverable will reach 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 will only reach 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, and Virginia). Specify in how many states and/or territories you anticipate reaching professional audiences: E8. Will any steps be taken to TARGET this deliverable to international professional audiences outside of the United States and U.S. territories? DO NOT select "Yes" if international audiences will be passive observers/consumers of the deliverable. · For example, a website is not targeting international audiences merely because it is accessible to an international audience via the internet. A website only TARGETS international audiences if it is specifically designed for or is marketed to a specific Click here to hide examples of how a deliverable is targeted to international professional audiences. · The program will target international professional audiences because it will be promoted and advertised through an international science network. • The conference is designed to be international in scope. To achieve this goal, the project will collaborate with international partners to recruit presenters from multiple countries. · To target international professional audiences, the research study will be presented at international conferences. No Yes If Yes, please describe the EXACT steps that will be taken to TARGET international professional audiences with this deliverable: 2000 characters left

Intro Dago

Deliverable List

Deliverable Type

Project Info

Geographic Reach

Target Audience

Impact Organization

Impact List

—Target Audience

E9. Please select all professional audience(s) in the table below that are targeted by this deliverable. (Check all that apply.)

For each professional audience that you select, please provide your best estimate of the number of professionals that will ultimately be reached by *this* deliverable over the course of your AISL award period.

If possible, provide an <u>unduplicated count</u> of individuals who will be reached. If you are only providing an unduplicated count, please leave the duplicated count field blank.

Click here for the AISL 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 will be reached. If you are only providing a duplicated count, please leave the unduplicated count field blank.

Click here for the AISL 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 anticipated participants over the course of the AISL award period				
Professional Audiences		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)					

Deliverable List

Deliverable Type

...,....

Geographic Reach

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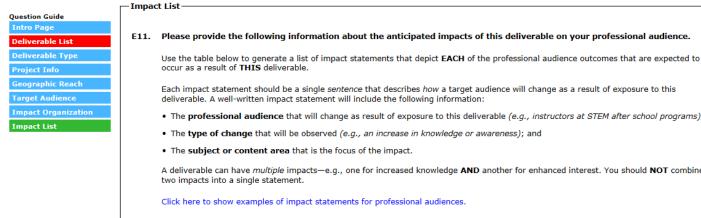
Impact List

—Impact Organization

E10. Where will the information gained or disseminated from this deliverable ultimately have the greatest impact? (Check all that apply.)

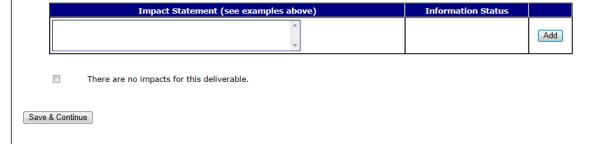
Informal Learning Institution/Organization	
Arboretum or botanical garden	
Children's museum	
History or art museum	
Natural history museum	
Science-technology center or museum	
Multi-type museum (e.g., a museum that is both a science-technology museum and a natural history museum)	
Tribal museum	
Nature or interpretive center	
Planetarium or fulldome theater	
Combined planetarium and science technology-center or museum	
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)	
Media Design and Production	
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	
Television and radio station or organization	
Website design firm/entity	
website besign firm/entity Software design firm/entity	
Digital/interactive media design and production firm/entity	
Other media design/production (specify)	
Other media design production (specify) Educational Institution En	_
Pre-K-12 district/school (including charter schools and private schools)	
Continuing education institution	
2-year college or community college	
z year conege or university 4-year college or university 4-year college or university	
7 year Conege or professional school Graduate or professional school	
Oriendate on professional sixtino (specify) Other educational institution (specify)	
Educational Support Services	
Educational or STEM materials development firm/entity	
Educational or STEM research firm/entity	
Other educational support services (specify)	
Other	_
Public or government agency	В
Evaluation or research firm/entity	
Research and educational outreach firm/entity	
Research laboratory/center	
Consulting/public relations/marketing/communications firm/entity	
Foundation or grant-making institution	
Private company	
National or regional association or professional organization	
Other (specify)	
Multi-category	
Multi-category (e.g., two or more organization categories)	П

Sava & Continua



Each impact statement should be a single sentence that describes how a target audience will change as a result of exposure to this • The professional audience that will change as result of exposure to this deliverable (e.g., instructors at STEM after school programs); • The type of change that will be observed (e.g., an increase in knowledge or awareness); and A deliverable can have multiple impacts—e.g., one for increased knowledge AND another for enhanced interest. You should NOT combine Once you have created this list, you will answer a set of questions for each impact statement about corresponding indicators, study designs, and data collection methods. You should consult with your evaluator when generating a list of impact statements and answering the corresponding questions. Step 1: Generate a list of impact statements for this deliverable. • To add an impact, enter the impact statement in the text box in the Impact Statement column. Then, click the Add button in the right-hand column of the table. You will be able to add additional impact statements at a later time. Step 2: Provide information about each impact. · After you add an impact, the impact statement becomes a link to a set of questions for that particular impact. · Click on the statement in the Impact Statement column to access and complete the questions for that impact. · Click here to obtain background information about impacts, indicators, study designs, and data collection methods.

If no impacts will be measured for this deliverable, select the box below the table.



(FOR EACH IMPACT STATEMENT ENTERED IN THE "IMPACT STATEMENT" TABLE, ANSWER E11A-E11C OR E11A-E11D)

Question Guide
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Deliverable List
Impact List
Impact Info
Data Collection

$^{-1}$			

Impact Statement: Instructors at STEM after school programs will demonstrate mastery of the specific skills needed to teach teenagers about how to carry out scientific research.

E11a. Please indicate the appropriate category for this impact statement. (Check one.)

- Awareness, knowledge, or understanding of a concept or topic (e.g., instructors at STEM after school programs will learn about the scientific research process)
- © Engagement or interest in a concept or topic (e.g., instructors at STEM after school programs will be interested in providing instruction about the scientific research process)
- Attitude regarding a concept or topic (e.g., instructors at STEM after school programs will have more positive attitudes towards using the scientific research process with teenagers)
- Behavior regarding a concept or topic (e.g., instructors at STEM after school programs will conduct scientific research with teenagers)
- Skills regarding a concept or topic (e.g., instructors at STEM after school programs will demonstrate mastery of the specific skills needed to teach teenagers about how to carry out scientific research)
- Other (specify)

E11b. What indicators will you use to determine whether this impact was achieved?

- Indicators are the evidence that will be used to measure progress towards a given impact. An indicator answers the question: How will you know it when you see it?
- Effective indicators align directly to impacts and are clear, measurable, unbiased, and sensitive to change. For instance, if an outcome relates to knowledge gains, the indicator should measure knowledge gains as opposed to, say, participant interest.
- While indicators are measurable, they do not always need to be quantifiable. Indicators can also be qualitative and descriptive, i.e.,
 "Participants will describe that they ..."

Click here to hide examples of indicators that might be used to measure progress towards the following impact: Instructors at STEM after school programs will demonstrate mastery of the specific skills needed to teach teenagers about how to carry out scientific research.

- · Participating instructors will be able to define the scientific method in a manner that is understandable and interesting to teenagers.
- Participating instructors will be able to define such terms as hypothesis, hypothesis testing, reliability, and replication in a manner that is
 understandable and interesting to teenagers.
- Participating instructors will be able to describe the benefits of the scientific method in a manner that is understandable and interesting to teenagers.
- Participating instructors will be able to describe the specific steps that comprise the scientific method in a manner that is understandable and interesting to teenagers.

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(CONTINUED ON NEXT PAGE)

E11c.		ich of the following evaluation designs will be used to assess whether this impact and the corresponding indicators have been ined? (Check <u>all</u> that apply.)
	• If	your evaluation design uses mixed methods, please check <u>all</u> of the study designs that apply.
	Click	k here to hide definitions for the study designs.
	•	 Qualitative, no comparison group: Research involving the use of descriptive and interpretive data. Frequently conducted in a natural setting where the researcher gathers words or pictures, analyzes them inductively, focuses on the meaning of participants, and describes a process that is both expressive and persuasive in language. Qualitative – no comparison group means that evaluators will only study those who have participated in or viewed an AISL activity.
	•	 Quantitative, no comparison group: Research involving the use of numerical measurement and data analysis based on statistical methods. Frequently relies on structured questions where response options have been predetermined and a large number of respondents are involved. Examples include the number of questions people answer correctly or the number of people who visit a website. Quantitative – no comparison group means that evaluators will only study those who have participated in or viewed an AISL activity.
		 Quasi-experimental: Study that compares outcomes for a treatment group and a comparison group—in which the comparison group is not exposed to an AISL activity. Comparison group is chosen through methods other than random assignment. One type of quasi-experimental study is a comparison-group study with equating: statistical controls and/or matching techniques are used to make the intervention and comparison groups similar in their pre-intervention characteristics. Another type of quasi-experimental study is a regression-discontinuity study: individuals are assigned to intervention or comparison groups solely on the basis of a "cutoff" score on a pre-intervention measure.
	•	• Experimental: Study that measures an intervention's impact by randomly assigning individuals (or other units, such as classrooms or schools) to a treatment group (exposed to the AISL activity) and control group (is not exposed to the AISL activity). Because assignment is determined through random assignment, participants have an equal chance of being assigned to either the treatment or control group.
		Qualitative, no comparison group
		Quantitative, no comparison group
		Quasi-experimental
		Experimental

Save & Continue

Other (specify)

 $\hfill \square$ None (impact will not be measured during the life of the grant award)

(E11D IS SKIPPED IF THE SELECTION IN E11C IS "NONE")

Question Guide	
Intro Page	
Deliverable List	
Impact List	
Impact Info	
Data Collection	

— Data Collection

Impact Statement: Instructors at STEM after school programs will demonstrate mastery of the specific skills needed to teach teenagers about how to carry out scientific research.

E11d. Which of the following data collection methods will be 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 each data collection activity will occur:

- Prior to the AISL activity (data collected at any point in time before a participant engages in the AISL activity)
- During/at the end of the AISL activity (data collected while/ immediately after the participant engages in the AISL activity—e.g., an exit interview when leaving an exhibit)
- At some point after the AISL activity (data collected at some point after the participant has ended engagement with the activity)

	Wh	When data will be collected			
Data Collection Activity	Prior to the AISL deliverable/ activity	During/at the end of the AISL deliverable/ activity	At some point after the AISL 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)					
Readership/citation/usage records					
Number of requests for deliverable					
Number of published or completed products by audience members					
Website downloads			8		
Website submissions					
Website hits					
School records (e.g., grades, test scores, course enrollment)					
Other administrative/participation data (specify)					
Data collected via the web/email	<u>'</u>				
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			В		
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 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) Ouestionnaire/survey		п	п		
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 OUTSIDE of informal science venues/other educational settings (specify) Other					
Other (specify)			8		

Saus P Continus

Section F: Formative and Summative Evaluation Questions

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

INSTRUCTIONS FOR COMPLETING THE AISL BASELINE SUBMISSION

Award ID: Test201 Award Type: Test

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

Some of this information can be taken directly from your original AISL proposal. 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.

Links are available at the top and bottom of the screen to assist you. For guidance on how to navigate the system, click on the Survey Navigation link. For information on the items contained in the survey and how to address them, click on the Help Materials link.

Please complete each of the following sections of the Baseline Submission as they pertain to your AISL 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 Personnel for 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	Not Started		
Baseline Submission Status: Not complete			

(SELECTING "THIS PROJECT HAS NO FORMATIVE EVALUATION" IN F1 WILL SKIP F2)

-Formative Info-Question Guide **Formative Eval** Formative Info Summative Eval Please provide information about each of your formative evaluation questions. Summative Info Use the following steps to add each of your formative evaluation questions and their evaluation designs to the table below. STEP 1: Enter a formative evaluation question. • Type a formative evaluation question in the text box in the Formative Evaluation Question column. STEP 2: Select evaluation designs for your evaluation question. · 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 be using 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.

	Evaluation Design (check all that apply)					
Formative Evaluation Question	Qualitative, no comparison group	Quantitative, no comparison group	Quasi- experimental	Experimental	Other (specify)	
Sample evaluation question	×	×			test	Delete
						Add

Summative Eval Question Guide Formative Eval Formative Info Summative Eval F3. Please enter the following contact information for the lead organization or individual conducting your summative evaluation. **Summative Info** . If your project does not have a summative evaluation, check the box at the bottom of the screen. Organization name: Evaluation inc Primary point of contact: Jane Doe Telephone number for the primary point of contact: 111-222-3333 (###-###-###) Email address for the primary point of contact: JaneDoe@El.com This project has no summative evaluation. Save & Continue

(SELECTING "THIS PROJECT HAS NO SUMMATIVE EVALUATION" WILL SKIP F4)

Question Guide

Formative Info

Summative Info

Summative Info-Please provide information about each of your summative evaluation questions. Use the following steps to add each of your summative evaluation questions and their evaluation designs to the table below. STEP 1: Enter a summative evaluation question. • Type a summative evaluation question in the text box in the Summative Evaluation Question column. STEP 2: Select evaluation designs for your evaluation question. 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 be using 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. Evaluation Design (check all that apply) Summative Evaluation Qualitative, Quantitative, Question Quasi-Other no Experimental comparison comparison (specify) experimental group group Add Save and Continue

Formative Eva

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Summative Info

-Submit-

If you wish at this time to review and change any of your responses, please click on any section of the Question Guide to the left. If you revise any of your answers, be sure to click the Save & Continue button below the question in order to save your changes. If you are ready to submit now, click the Submit button to submit this section.

Submit

Section Menu Print Glossary Survey Navigation Help Materials Sign out

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

INSTRUCTIONS FOR COMPLETING THE AISL BASELINE SUBMISSION

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	Status
Section A: Project and the Lead Organization	Complete
Section B: Key Personnel for 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

Baseline Submission Status: Complete

Submit Baseline Report

You have now completed all six sections of the Baseline Submission. All information for your project has been recorded. Please print your responses for your records. Click on the Submit button above to submit your survey to NSF

Thank You!

Thank you for submitting your Advancing Informal STEM Learning Baseline Report.

If you have any questions, please contact your Westat contact person or email ISEhelp@westat.com.

If you would like to print your responses, please click Print.

You will be contacted next year to complete an annual report if your project is ongoing or a closeout report if your project has ended.