







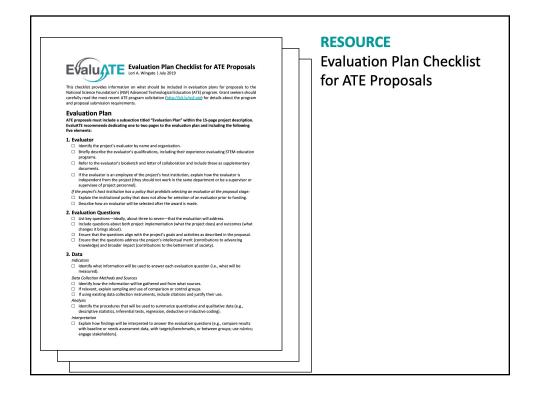
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Any opinions, findings, and conclusions or recommendations expressed in this material are those of the presenters and do not necessarily reflect the views of NSF.



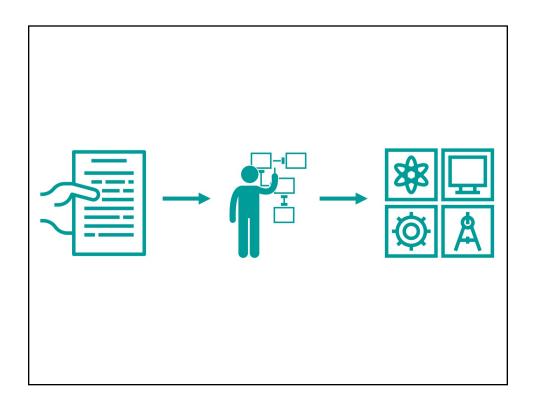
Webinar Overview

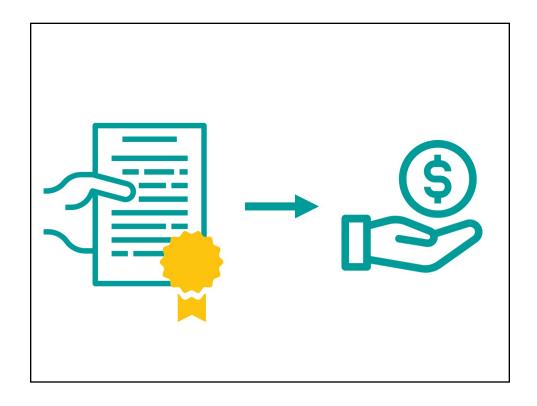
- essential elements of an ATE proposal evaluation plan
- integrating evaluation throughout a proposal
- question and answer panel



Evaluation

A systematic determination of a project's quality and effectiveness.

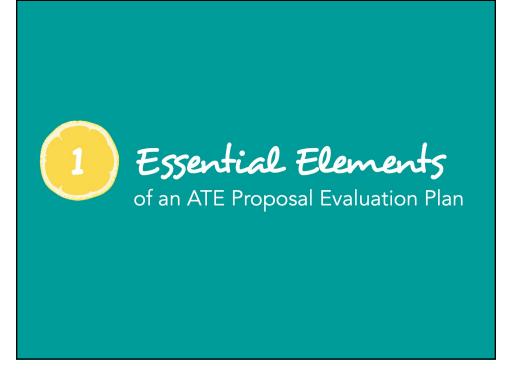


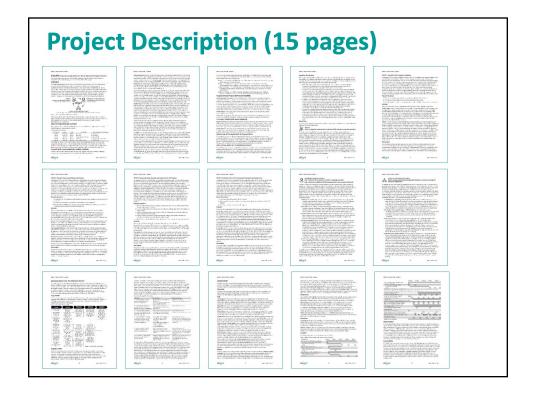


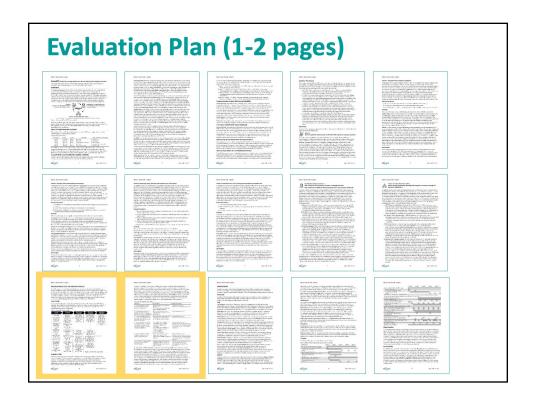


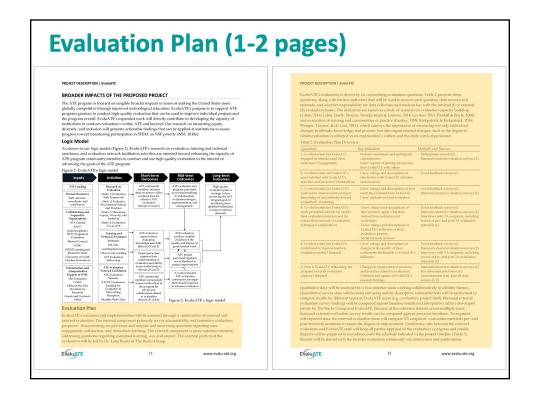
"if you don't evaluate and assess your activities and outcomes you can't know if the project was successful. It also provides the project team with data to convince others of the success of the project as well as contributing to the body of knowledge in that particular area of STEM."

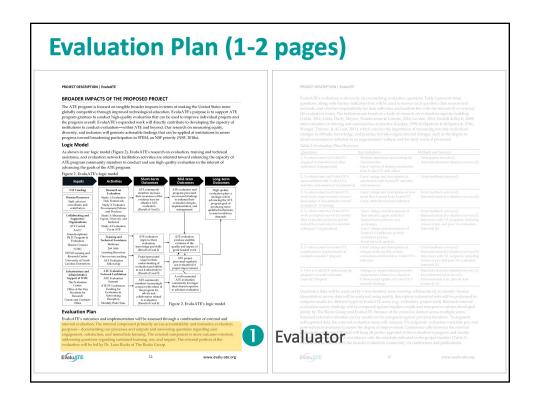


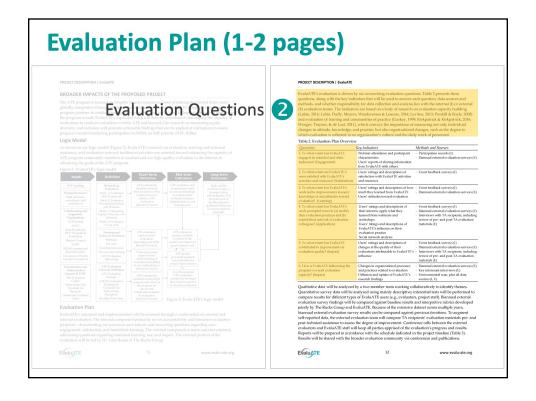


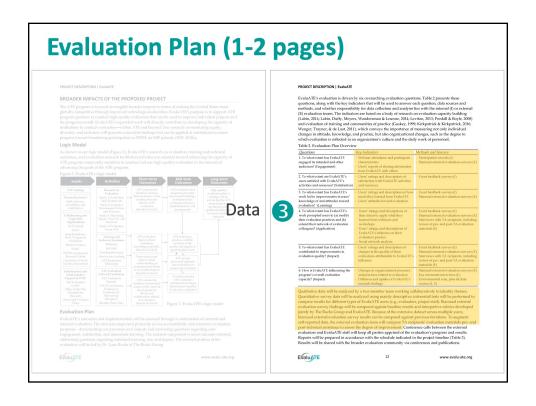


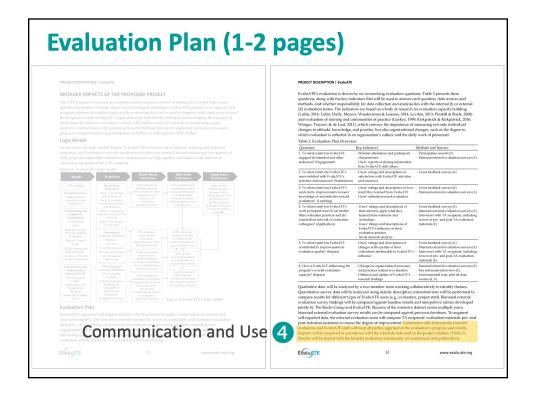


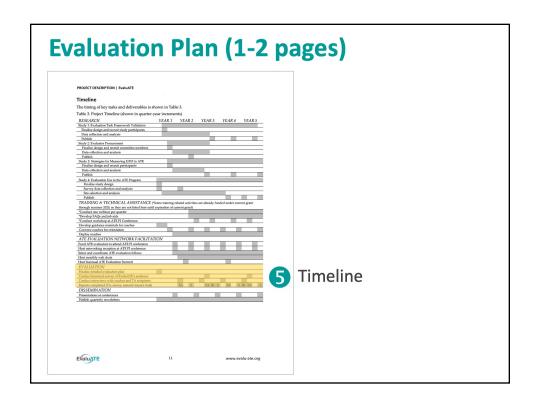


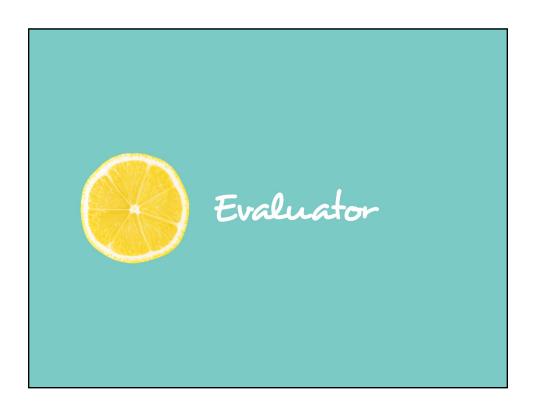


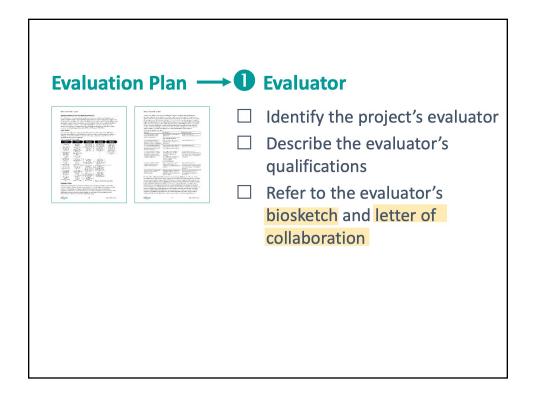


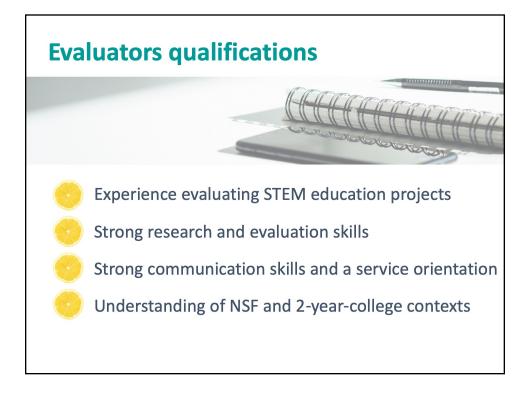




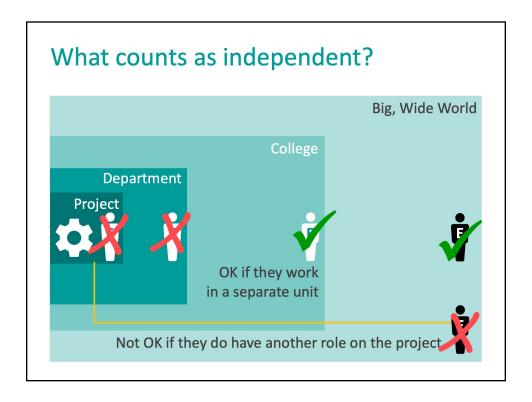


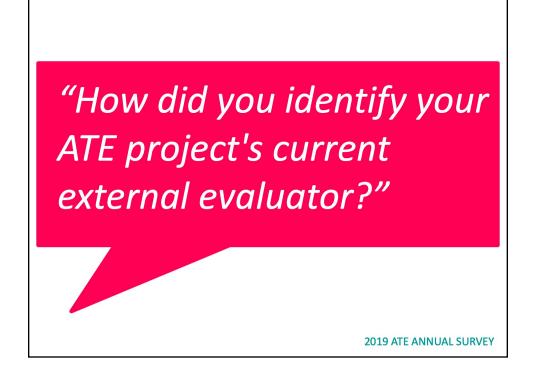


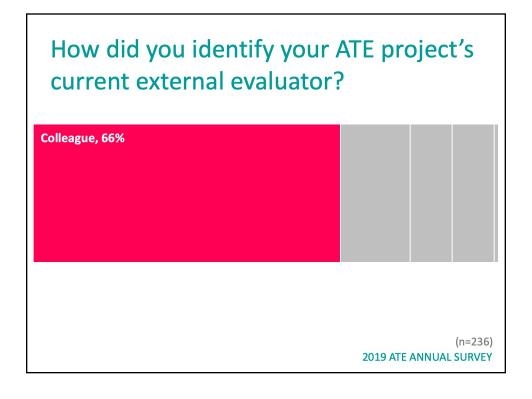


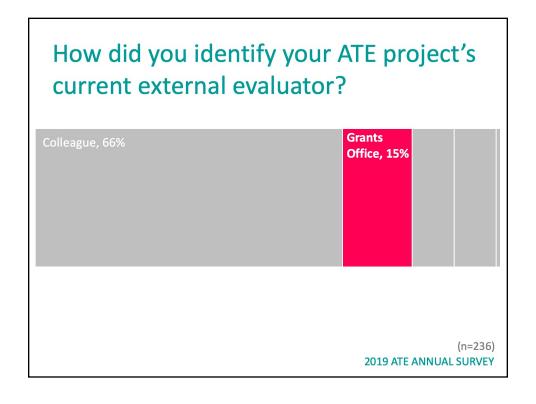


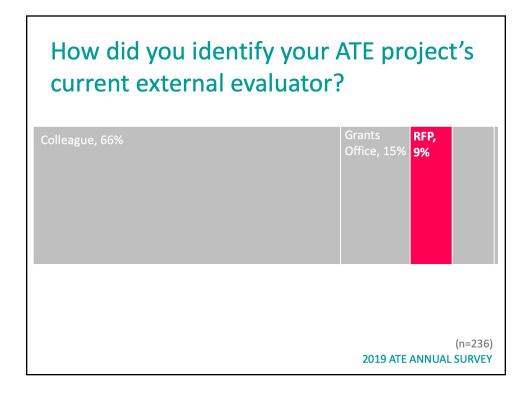


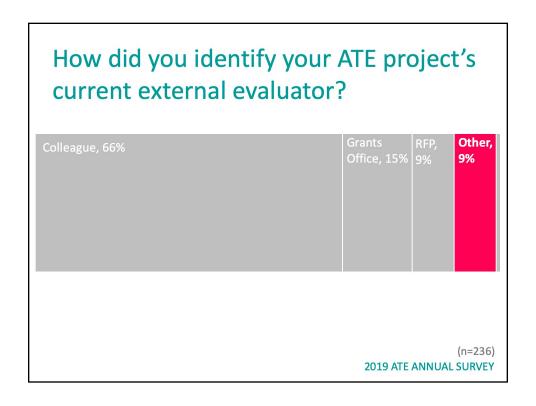


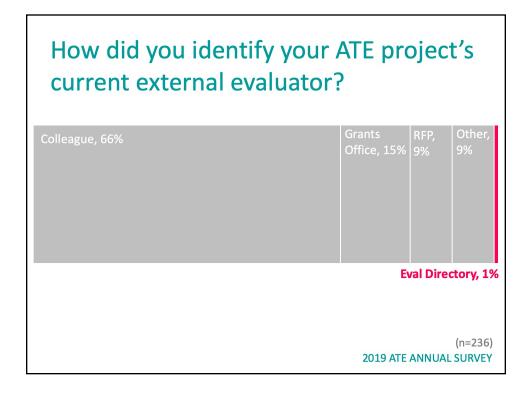


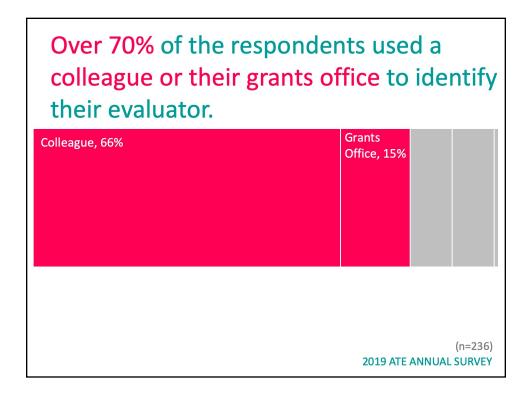


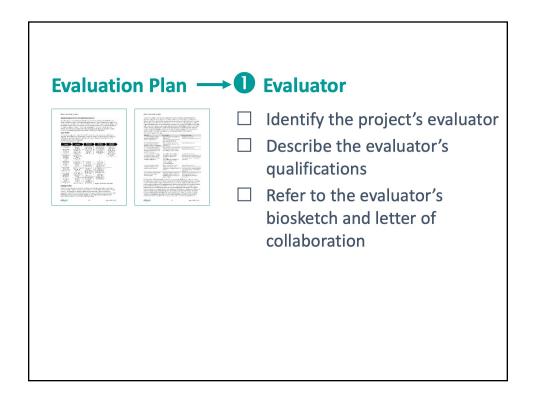


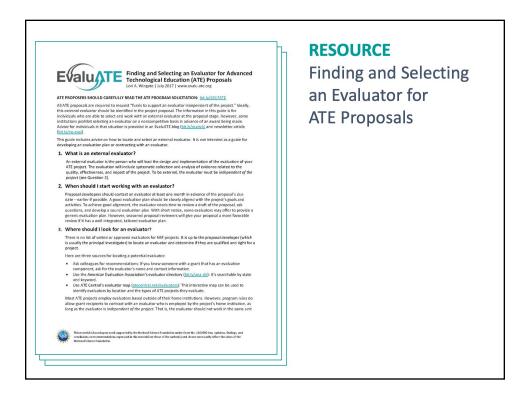


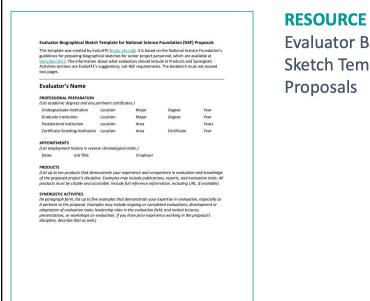










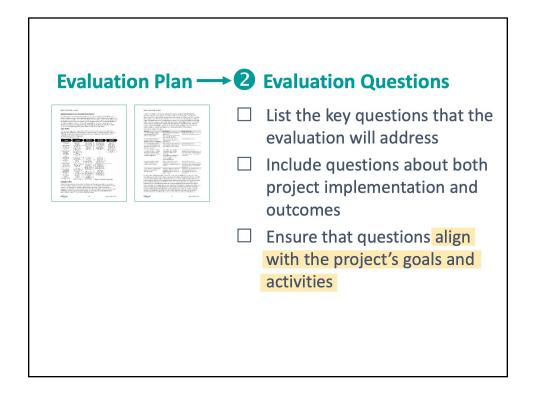


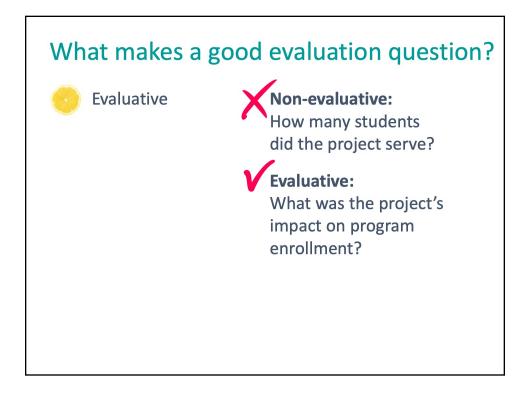
Evaluator Biographical Sketch Template for NSF

Questions?









What makes a good evaluation question?



Reasonable

Unreasonable: Did the project increase manufacturing employment in the state?

Reasonable:

To what extent did students served by the project find employment in the manufacturing sector?

What makes a good evaluation question?

- Evaluative
- Reasonable
- Specific

Vague: Did the proje

Did the project increase instructor effectiveness?

Specific:

To what extent did participating instructors increase their knowledge about nanotechnology?



Reasonable

Specific

Answerable

Unanswerable:

To what extent does the project affect long-term persistence in STEM careers?

Answerable:

To what extent does the project affect students interest in pursuing a future career in STEM?

What makes a good evaluation question?

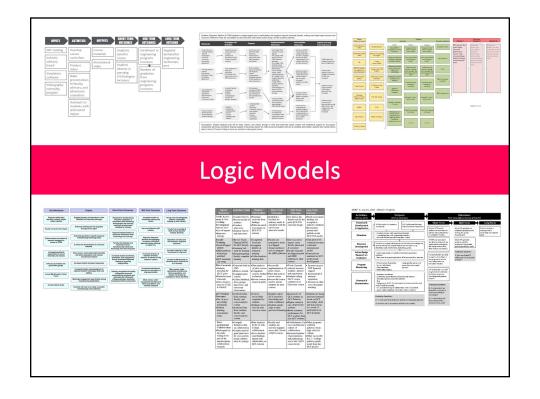
Evaluative

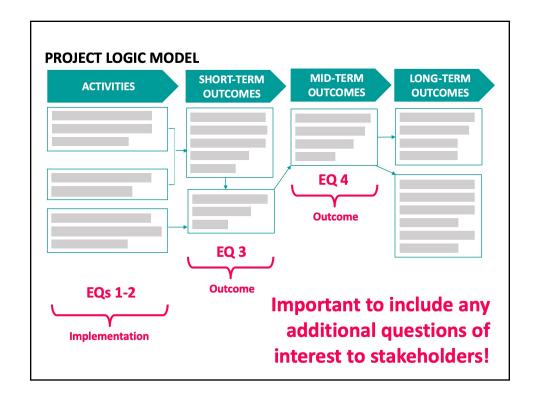
Reasonable

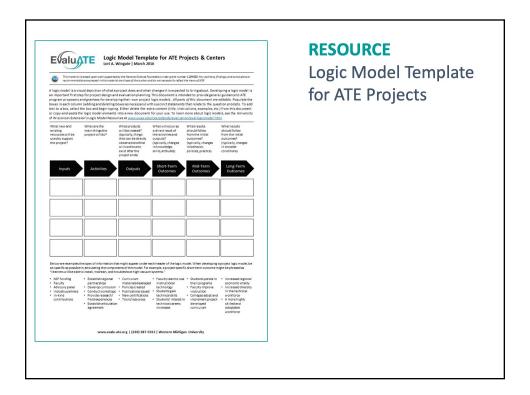
Specific

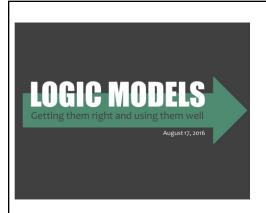
Answerable

Complete



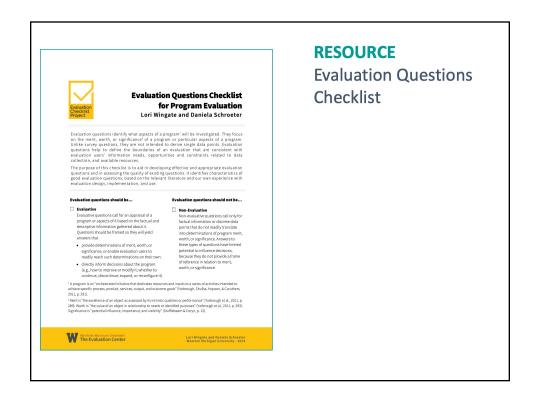


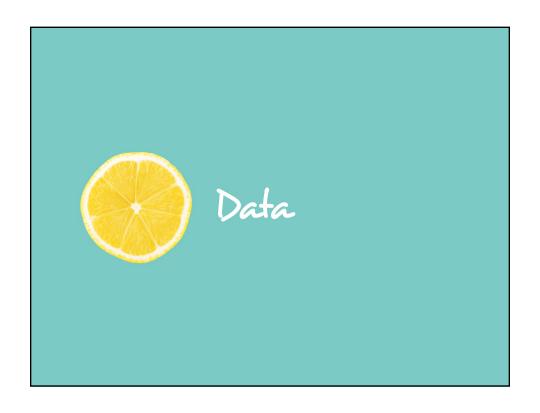


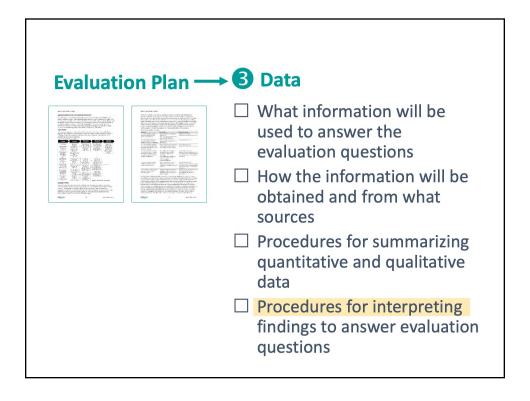


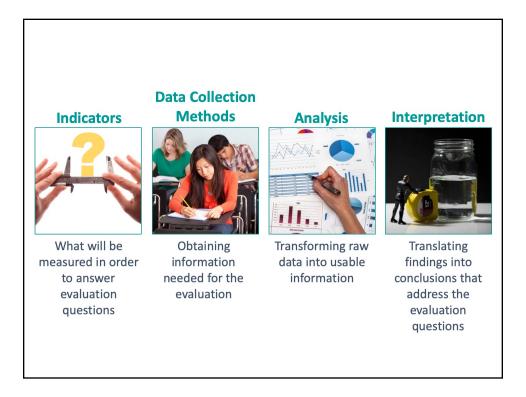
RESOURCE

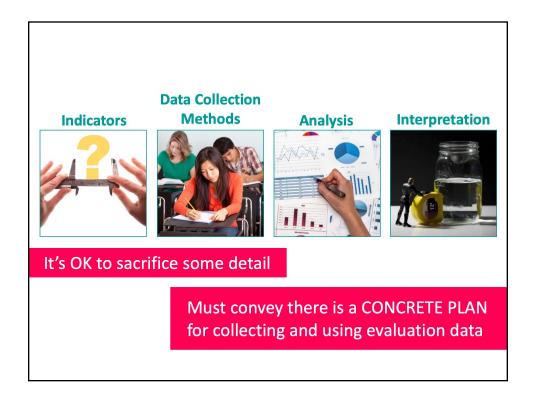
Logic Models: Getting
Them Right and Using
Them Well
(webinar recording and handouts)







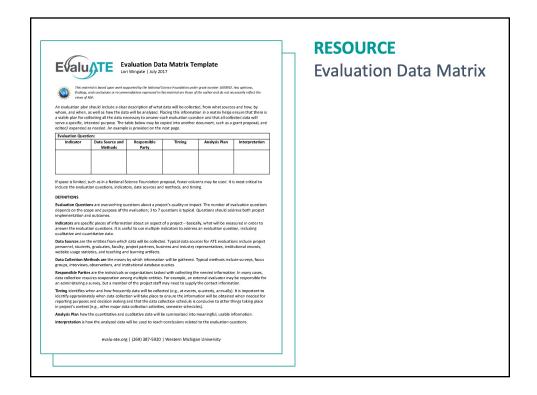




Data Matrix

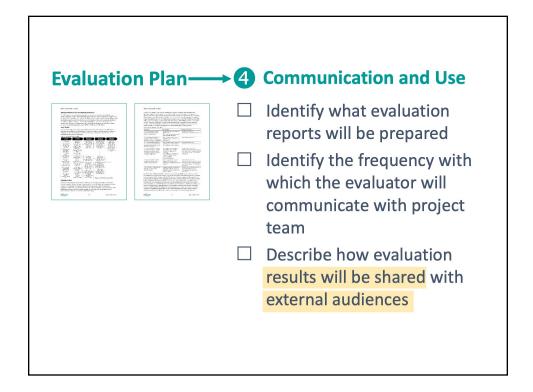
Evaluation Question 3: To what extent and how are project activities impacting enrollment and persistence in the aviation program?

Data Sources and Methods	Analysis	Interpretation
Camp and admission records	Counts	Compare with project target of 5 per year
Program records	Counts	Compare with project target of 5 per year
Survey	Descriptive statistics Inductive coding of qualitative data	Compare results with rubric to judge degree of influence
Focus group with students	Thematic coding to determine factors that increase or suppress interest in aviation program	Identify which, if any, factors can be influenced by the program
	Methods Camp and admission records Program records Survey	Methods Camp and admission records Counts Program records Counts Counts Descriptive statistics Inductive coding of qualitative data Focus group with students Thematic coding to determine factors that increase or suppress









ATE-Specific Review Criteria Related to Evaluation



Is the evaluation likely to provide useful information to the project and others?

Will the project evaluation inform others through the communication of results?

Planning for Evaluation Communication and Use

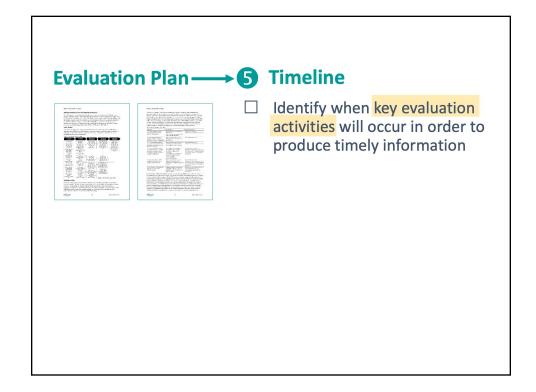


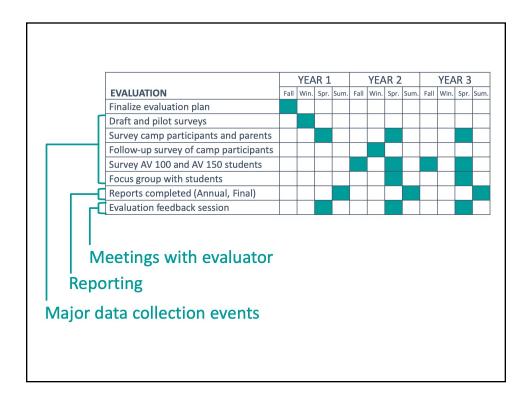
Formal reporting should occur at least annually

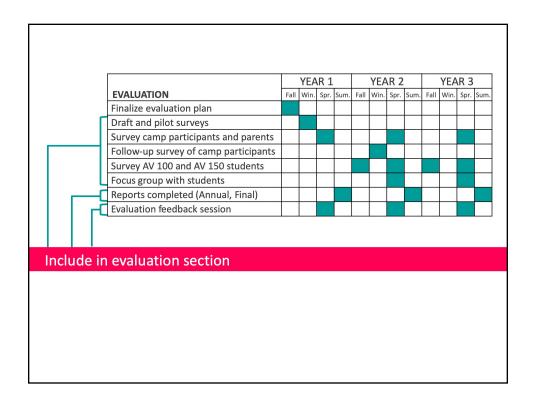
Project team should engage with evaluator regularly

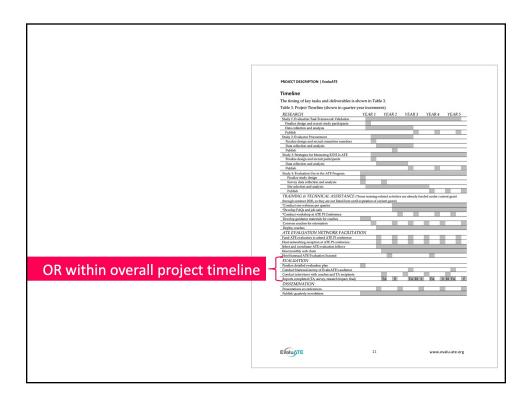
Show commitment to using results for improvement

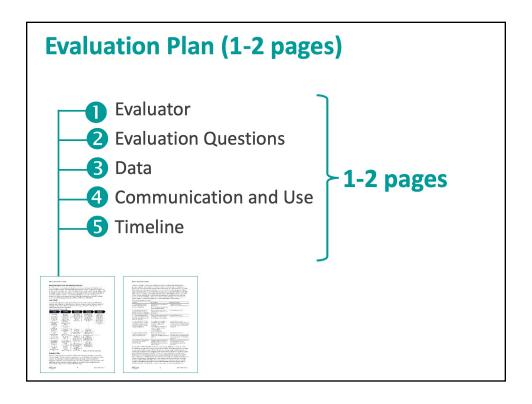


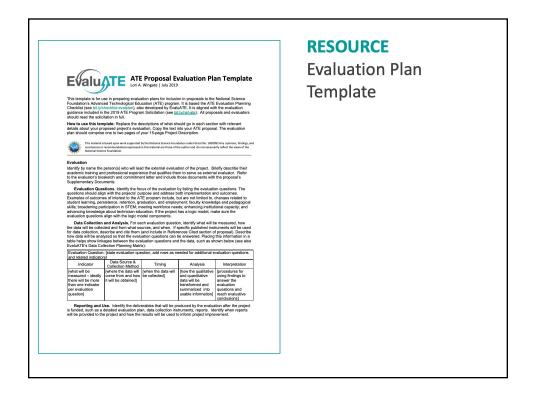










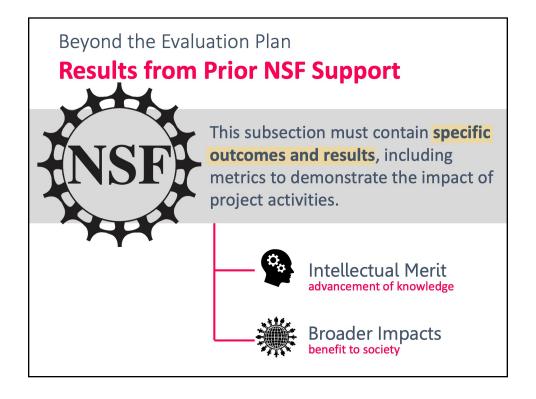


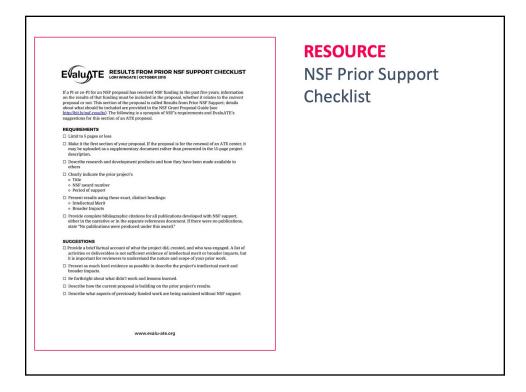




Beyond the Evaluation Plan

- Results from Prior NSF Support
- Budget and Budget Justification
- Data Management Plan
- References



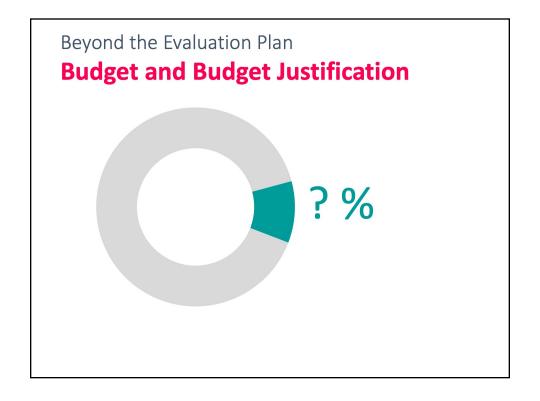


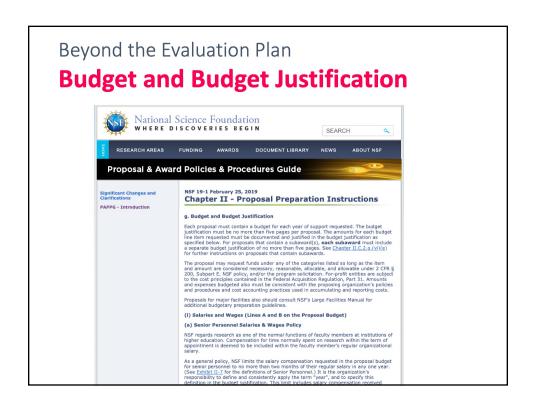
Beyond the Evaluation Plan

Beyond the Evaluation Plan

Budget and Budget Justification

The funds to support an evaluator independent of the project or center must be requested. The requested funds must match the scope of the proposed evaluative activities.





Beyond the Evaluation Plan

Budget and Budget Justification

- 1 Identify hourly rate of pay for evaluator
- 2 Justify time required for evaluator
- 3 Outline their main tasks and deliverables

Beyond the Evaluation Plan

Data Management Plan

Requirements

- ☐ Types of data and other materials to be produced
- ☐ Format of the data
- Policies for access and sharing data
- ☐ Policies for use of data by others
- ☐ Plans for archiving data for preserving access

Include evaluation data

