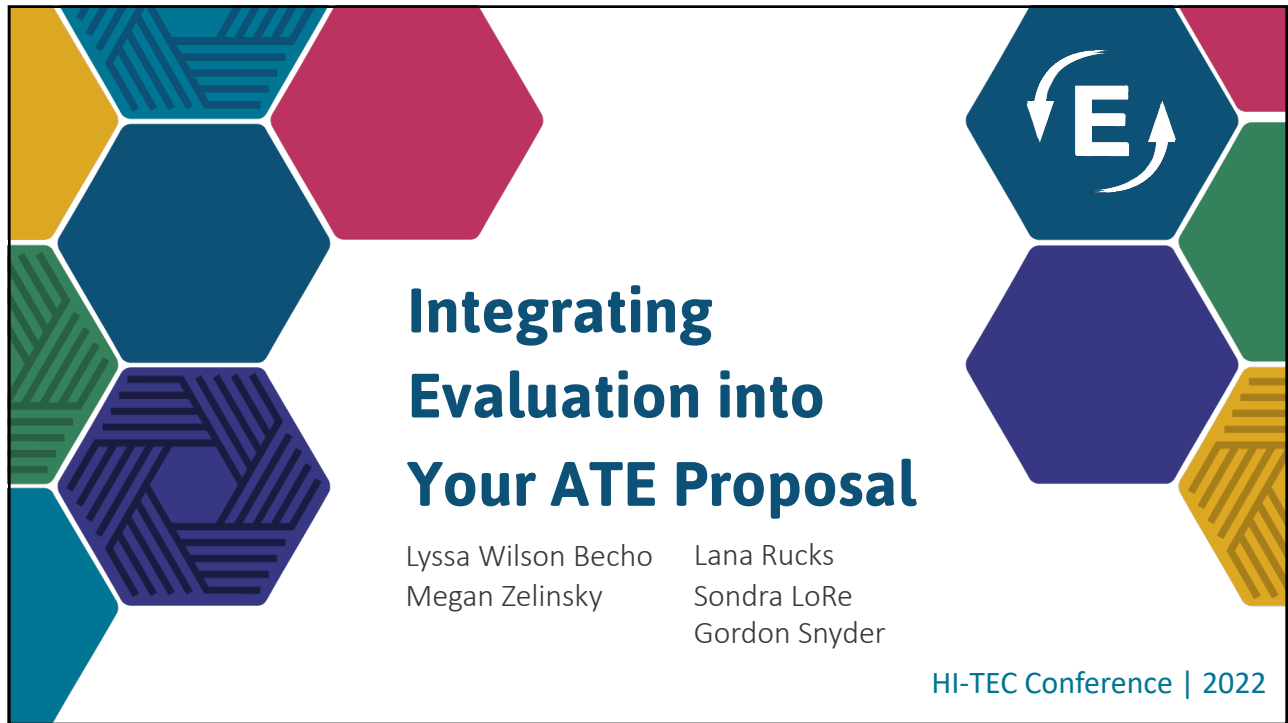




Integrating Evaluation into Your ATE Proposal

Lyssa Wilson Becho Lana Rucks
Megan Zelinsky Sondra LoRe
Gordon Snyder

HI-TEC Conference | 2022

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EvaluATE



TRAINING



NETWORK



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ATE SURVEY

www.evalu-ate.org

2

Introductions



Megan
Zelinsky



Lyssa
Wilson Becho



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Land Acknowledgments

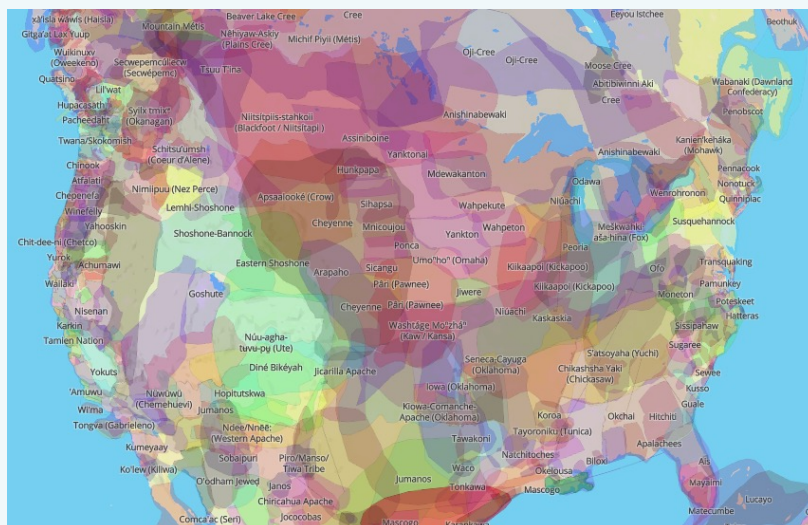


Image: <https://native-land.ca/>



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Advanced Technological Education Program

www.nsf.gov/ate



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This material is based upon work supported by the National Science Foundation under Grant No. 1841783. The content reflects the views of the authors and not necessarily those of NSF.



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Agenda



What is evaluation?



Why should you evaluate?



Essential elements of an evaluation plan for ATE proposal



Questions



Panel of ATE evaluators

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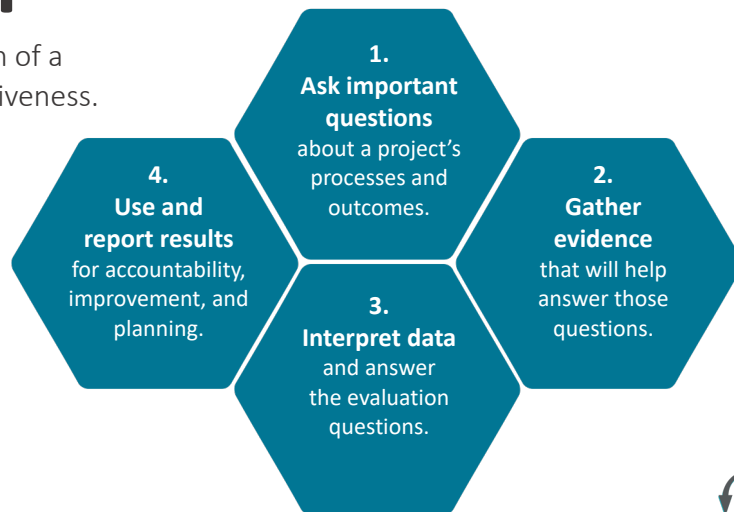
Evaluation

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

8

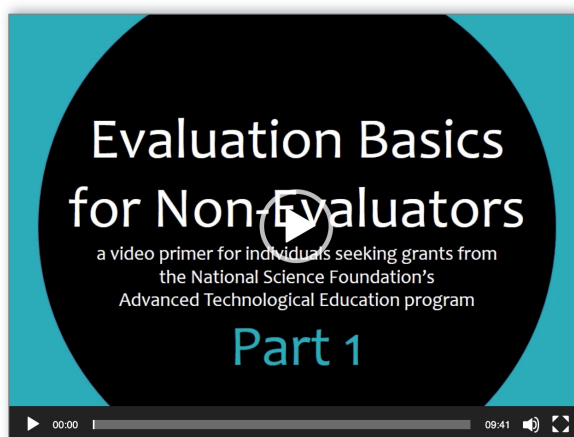
Evaluation

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



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Learn about evaluation basics...



Evaluation Basics for Non-Evaluators

bit.ly/evaluation-basics-videos



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Why evaluate?



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Why evaluate?



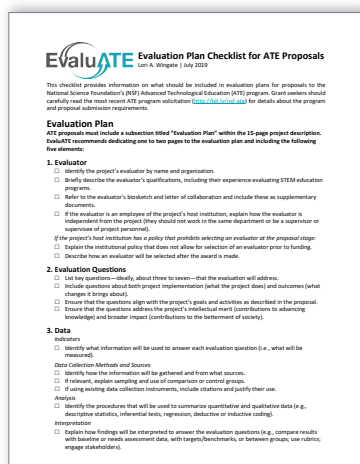
“If you don’t evaluate and assess your activities and outcomes you can’t know if the project was successful. It also provides the project team with data to convince others of the success of the project as well as contributing to the body of knowledge in that particular area of STEM.”

Celeste Carter
ATE Program Director



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Evaluation in ATE Proposals



Evaluation Plan Checklist for ATE Proposals

bit.ly/eval-plan-ATE-proposals



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Evaluation in ATE Proposals

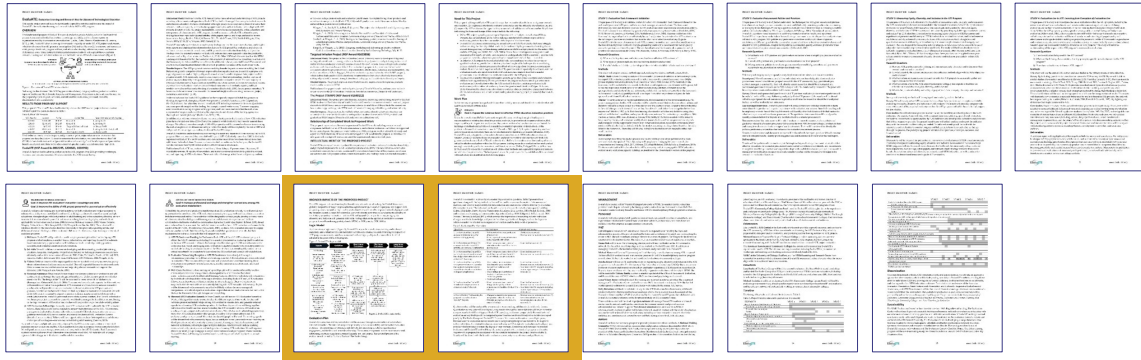
Project Description (15 pages)



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Evaluation in ATE Proposals

Evaluation Plan (1-2 pages)



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Evaluation in ATE Proposals

Evaluation Plan (1-2 pages)

- 1 Evaluator
- 2 Evaluation Questions
- 3 Data
- 4 Communication and Use
- 5 Timeline

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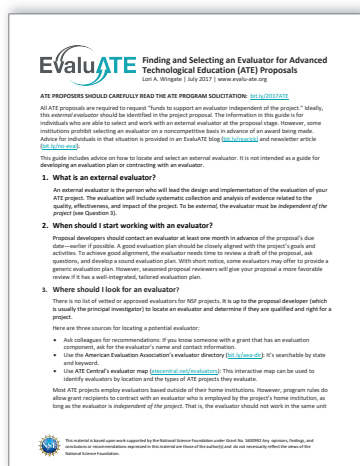
Elements of an Evaluation Plan

1 Evaluator

- ✓ Identify the project's evaluator
- ✓ Describe the evaluator's qualifications
- ✓ Refer to the evaluator's biosketch and letter of collaboration

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Elements of an Evaluation Plan



Finding and Selecting an Evaluator for ATE Proposals

bit.ly/finding-eval



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Elements of an Evaluation Plan

② Evaluation Questions

- ✓ List the key questions that the evaluation will address
- ✓ Include questions about both project implementation and outcomes
- ✓ Ensure that questions align with the project's goals and activities

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Elements of an Evaluation Plan



The Art and Science of Asking
Meaningful Evaluation Questions

bit.ly/eq-webinar-22



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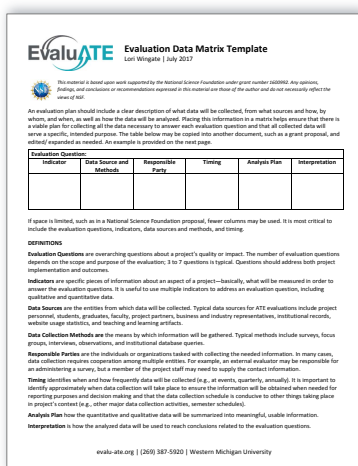
Elements of an Evaluation Plan

3 Data

- ✓ What information will be used to answer the evaluation questions
- ✓ How the information will be obtained and from what sources
- ✓ Procedures for summarizing quantitative and qualitative data
- ✓ Procedures for interpreting findings to answer evaluation questions

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Elements of an Evaluation Plan



Evaluation Data Matrix Template

bit.ly/data-planning-matrix



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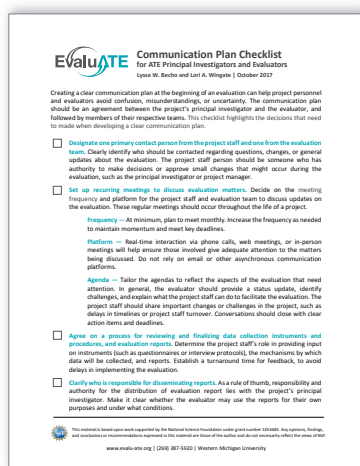
Elements of an Evaluation Plan

4 Communication and Use

- ✓ Identify what evaluation reports will be prepared
- ✓ Identify the frequency with which the evaluator will communicate with project team
- ✓ Describe how evaluation results will be shared with external audiences

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Elements of an Evaluation Plan



Communication Plan Checklist

bit.ly/checklist-commplan



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Elements of an Evaluation Plan

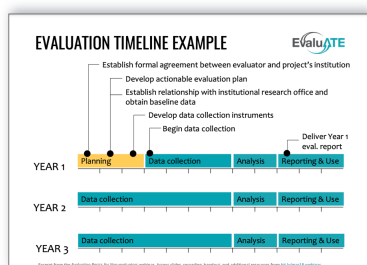
5 Timeline



Identify when key evaluation activities will occur in order to produce timely information

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Evaluation in ATE Proposals



Evaluation Timeline Example

bit.ly/eval-timeline



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Panel of ATE Evaluators



Lana Rucks



Sondra LoRe



Gordon Snyder

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Panel of ATE Evaluators

- 1 What advice do you have for people who are looking to write their first ATE proposal?
- 2 When clients approach you to be their evaluators, what are some of the first questions you ask them?
- 3 What examples of value or benefit have you seen evaluation bring to projects?

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TRAINING



NETWORK



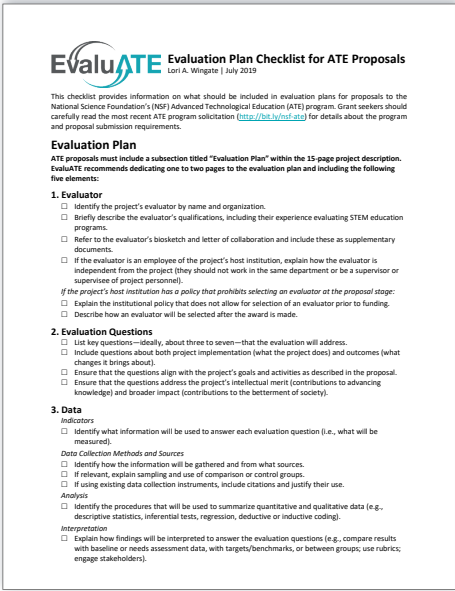
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EvaluATE Evaluation Plan Checklist for ATE Proposals
Lori A. Wingate | July 2019

This checklist provides information on what should be included in evaluation plans for proposals to the National Science Foundation's (NSF) Advanced Technological Education (ATE) program. Grant seekers should carefully read the most recent ATE program solicitation (<https://bit.ly/nsf-ate>) for details about the program and proposal submission requirements.

Evaluation Plan
ATE proposals must include a subsection titled "Evaluation Plan" within the 15-page project description. EvaluATE recommends dedicating one to two pages to the evaluation plan and including the following five elements:

1. Evaluator

- ☐ Identify the project's evaluator by name and organization.
- ☐ Briefly describe the evaluator's qualifications, including their experience evaluating STEM education programs.
- ☐ Refer to the evaluator's biosketch and letter of collaboration and include these as supplementary documents.
- ☐ If the evaluator is an employee of the project's host institution, explain how the evaluator is independent from the project (they should not work in the same department or be a supervisor or supervisee of project personnel).
- ☐ If the project's host institution has a policy that prohibits selecting an evaluator at the proposal stage, explain the institutional policy that does not allow for selection of an evaluator prior to funding.
- ☐ Describe how an evaluator will be selected after the award is made.

2. Evaluation Questions

- ☐ List key questions—ideally, about three to seven—that the evaluation will address.
- ☐ Include questions about both project implementation (what the project does) and outcomes (what changes it brings about).
- ☐ Ensure that the questions align with the project's goals and activities as described in the proposal.
- ☐ Ensure that the questions address the project's intellectual merit (contributions to advancing knowledge) and broader impact (contributions to the betterment of society).

3. Data

Indicators

- ☐ Identify what information will be used to answer each evaluation question (i.e., what will be measured).

Data Collection Methods and Sources

- ☐ Identify how the information will be gathered and from what sources.
- ☐ If relevant, explain sampling and use of comparison or control groups.
- ☐ If using existing data collection instruments, include citations and justify their use.

Analysis

- ☐ Identify the procedures that will be used to summarize quantitative and qualitative data (e.g., descriptive statistics, inferential tests, regression, deductive or inductive coding).

Interpretation

- ☐ Explain how findings will be interpreted to answer the evaluation questions (e.g., compare results with baseline or needs assessment data, with targets/benchmarks, or between groups; use rubrics; engage stakeholders).

Evaluation Plan Checklist for ATE Proposals

bit.ly/eval-plan-ATE-proposals

SCAN ME

