



1



Working towards an ATE community in which
evaluation is valued, systematic, and used
to improve the education of technicians
in high-tech fields.



2

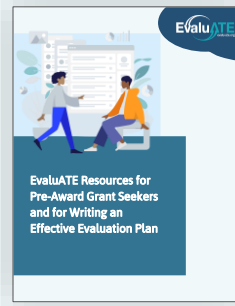
Slides available at:
evalu-ate.org/webinar/march24

1

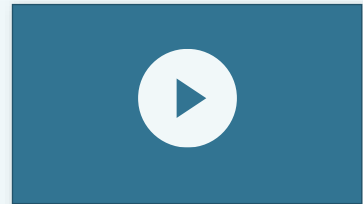
Materials



Slides



Additional
Resources



Recording



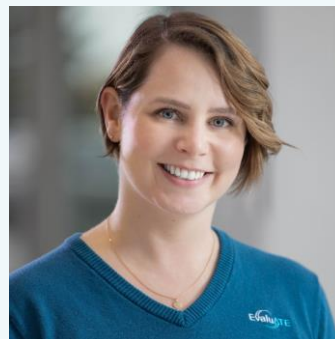
3

Introductions



Samantha

Hooker



Lyssa

Wilson Becho



4

Slides available at:
evalu-ate.org/webinar/march24

Behind the Scenes & Thank You



**Maureen
Green**



**Lori
Wingate**



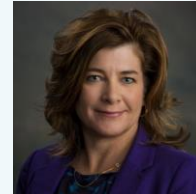
**Carolyn
Williams-Noren**



**Elaine
Craft**



**Pam
Silvers**



**Emery
DeWitt**



5



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.



6
Slides available at:
evalu-ate.org/webinar/march24

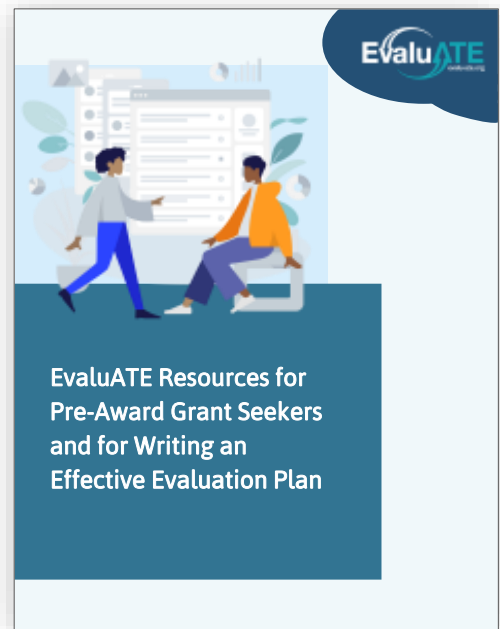
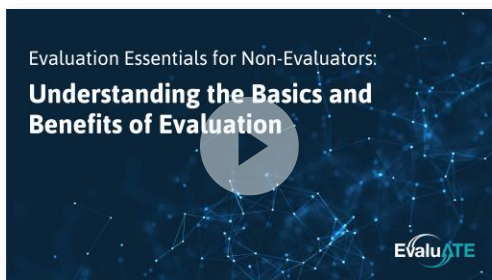


Lyssa

7

Resources

WHAT IS EVALUATION?



8
Slides available at:
evalu-ate.org/webinar/march24

Evaluation

PURPOSES



Project improvement



Accountability



Evidence

9

Evaluation

PURPOSES



“If you don’t evaluate and assess your activities and outcomes you can’t know if the project was successful.

[Evaluation] 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



10

Slides available at:

evalu-ate.org/webinar/march24

Evaluation

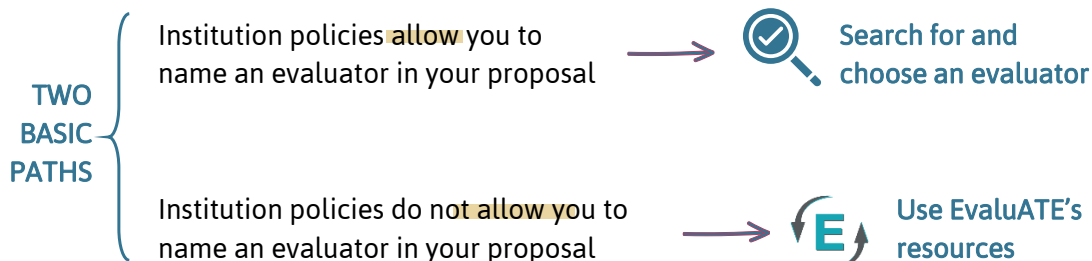
FOUR BASIC STEPS



11

Procuring

AN EVALUATOR




12
Slides available at:
evalu-ate.org/webinar/march24

Working with an Evaluator

POLL QUESTION

- Given procurement policies at your institution, will you be able to **name an evaluator** in your NSF ATE proposal?

Answer 
in chat box

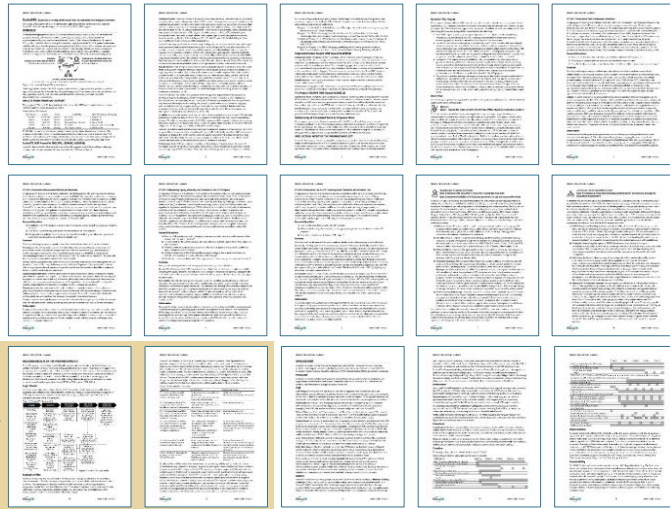
13

ESSENTIAL ELEMENTS OF EVALUATION PLANS FOR ATE PROPOSALS

14

Slides available at:
evalu-ate.org/webinar/march24

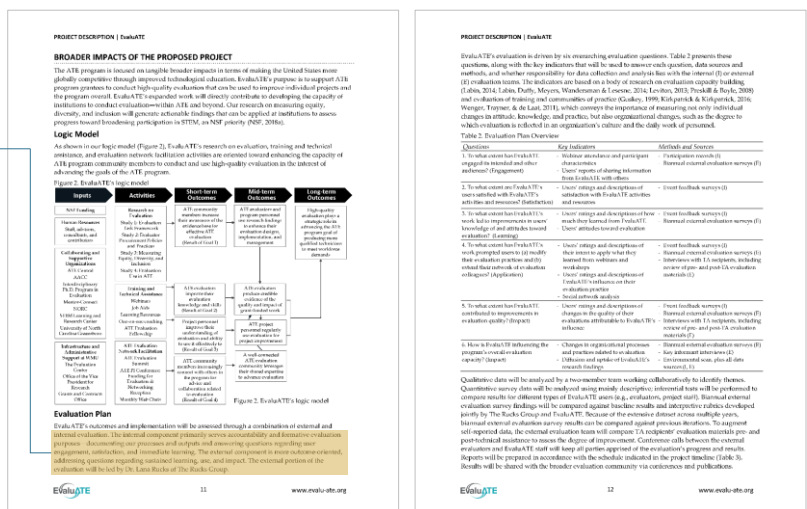
15 PAGES



Evaluation Plan ●
1–2 pages

15

1-2 PAGES



16
Slides available at:
evalu-ate.org/webinar/march24

1-2 PAGES

Evaluation Questions



1-2 PAGES

Evaluation Questions

Data 3



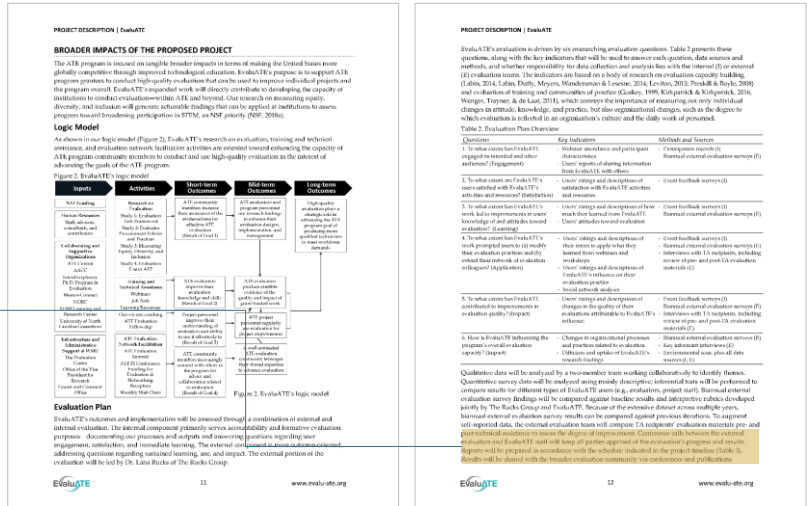
Slides available at:
evalu-ate.org/webinar/march24

Evaluation Plan

1-2 PAGES

Evaluator
Evaluation Questions
Data
Communication & Use

4



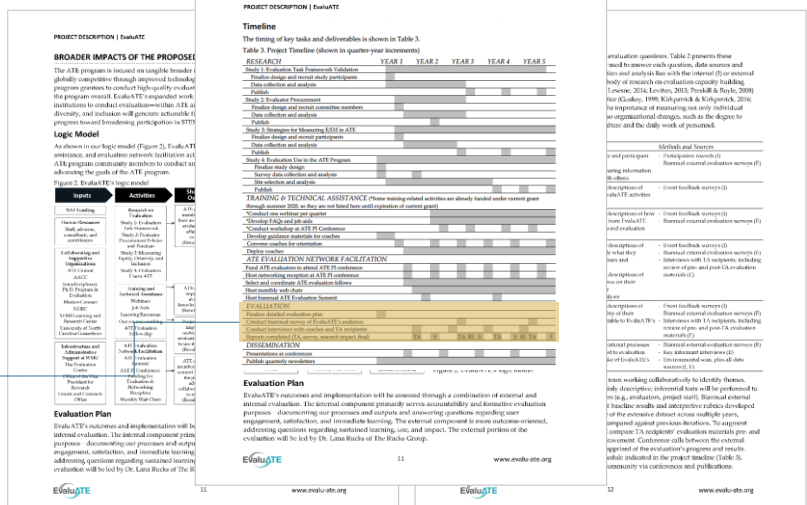
19

Evaluation Plan

1-2 PAGES

Evaluator
Evaluation Questions
Data
Communication & Use
Timeline

5



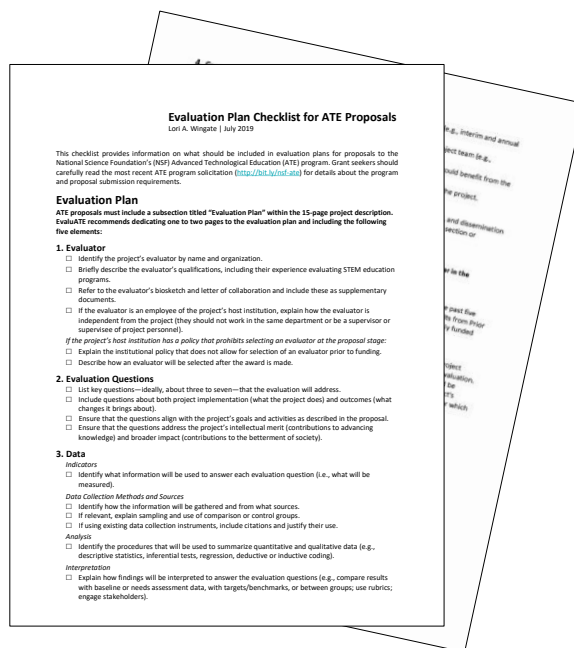
20

Slides available at:
evalu-ate.org/webinar/march24

Resource

EVAL PLAN CHECKLIST

Page 10



21



1

Evaluator

22

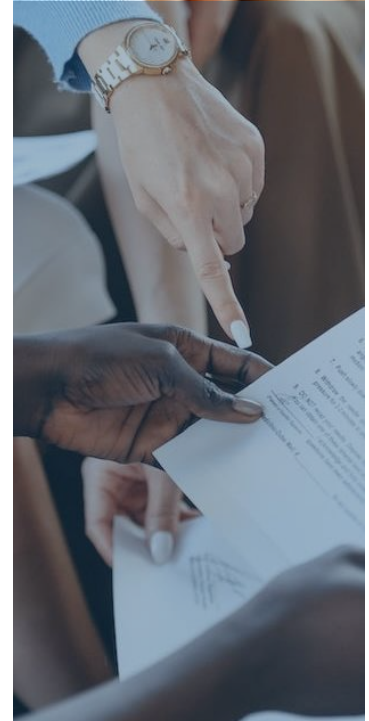
Slides available at:
evalu-ate.org/webinar/march24

11

Evaluator

EVAL PLAN CHECKLIST

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



23

Remember Jen Genericson*?



She has a **GREAT** idea
for an ATE proposal

*This is a fictional character and project.
Any resemblance to actual persons or projects is coincidental.

24

Slides available at:
evalu-ate.org/webinar/march24



25



26

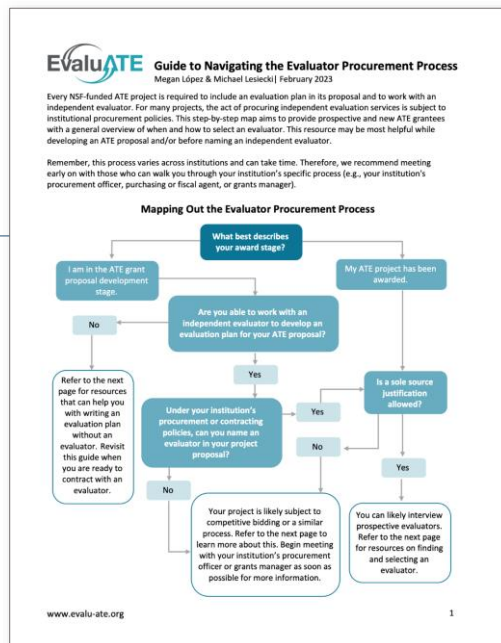
Slides available at:
evalu-ate.org/webinar/march24

Resources

IDENTIFYING YOUR EVALUATOR

Evaluator Procurement Process

Page 2



27

Resources

IDENTIFYING YOUR EVALUATOR

Guide to Finding and Selecting an Evaluator

Page 4



EvaluATE Finding and Selecting an Evaluator for Advanced Technological Education (ATE) Proposals
Lori A. Wingate | July 2017 | www.evalu-ate.org

ATE PROPOSERS SHOULD CAREFULLY READ THE ATE PROGRAM SOLICITATION: <https://www.evalu-ate.org/ate-program-solicitation>

All ATE proposals are required to request "funds to support an evaluator independent of the project." Ideally, this external evaluator should be identified in the project proposal. The information in this guide is for individuals who are able to select and work with an external evaluator at the proposal stage. However, some institutions prohibit selecting an evaluator on a noncompetitive basis in advance of an award being made. Advice for individuals in that situation is provided in an EvaluATE blog (<https://www.evalu-ate.org/blog/2017/07/07/ate-proposals>) and newsletter article (<https://www.evalu-ate.org/newsletter/2017/07/07/ate-proposals>).

This guide includes advice on how to locate and select an external evaluator. It is not intended as a guide for developing an evaluation plan or contracting with an evaluator.

- 1. What is an external evaluator?**
An external evaluator is the person who will lead the design and implementation of the evaluation of your ATE project. The evaluation will include systematic collection and analysis of evidence related to the quality, effectiveness, and impact of the project. To be external, the evaluator must be independent of the project (see Question 3).
- 2. When should I start working with an evaluator?**
Proposal developers should contact an evaluator at least one month in advance of the proposal's due date—earlier if possible. A good evaluation plan should be closely aligned with the project's goals and activities. To achieve good alignment, the evaluator needs time to review a draft of the proposal, ask questions, and develop a sound evaluation plan. With short notice, some evaluators may offer to provide a generic evaluation plan. However, seasoned proposal reviewers will give your proposal a more favorable review if it has a well-integrated, tailored evaluation plan.
- 3. Where should I look for an evaluator?**
There is no list of vetted or approved evaluators for NSF projects. It is up to the proposal developer (which is usually the principal investigator) to locate an evaluator and determine if they are qualified and right for a project.
Here are three sources for locating a potential evaluator:
 - Ask colleagues for recommendations: If you know someone with a grant that has an evaluation component, ask for the evaluator's name and contact information.
 - Use the American Evaluation Association's evaluator directory (<https://www.evalu-ate.org/ate-proposals>): It's searchable by state and keyword.
 - Use ATE Central's evaluator map (<https://www.evalu-ate.org/ate-proposals>): This interactive map can be used to identify evaluators by location and the types of ATE projects they evaluate.

Most ATE projects employ evaluators based outside of their home institutions. However, program rules do allow grant recipients to contract with an evaluator who is employed by the project's home institution, as long as the evaluator is independent of the project. That is, the evaluator should not work in the same unit

This material is based upon work supported by the National Science Foundation under Grant No. 1809192. Any opinions, findings, and conclusions or recommendations expressed in this material are those of the author(s) and do not necessarily reflect the views of the National Science Foundation.

28

Slides available at:
evalu-ate.org/webinar/march24

Resources

IDENTIFYING YOUR EVALUATOR

Evaluator Biosketch Template

Bit.ly/eval-bio



Evaluator Biographical Sketch Template for National Science Foundation (NSF) Proposals

This template was created by EvaluATE (evalu-ate.org). It is based on the National Science Foundation's guidelines for preparing biographical sketches for senior project personnel, which are available at <https://www.nsf.gov/pubs/2012/2012012.pdf>. The information about what evaluators should include in Products and Synergistic Activities sections are EvaluATE's suggestions, not NSF requirements. The biosketch must not exceed two pages.

Evaluator's Name

PROFESSIONAL PREPARATION
(List academic degrees and any pertinent certificates.)

Undergraduate Institution	Location	Major	Degree	Year
Graduate Institution	Location	Major	Degree	Year
Postdoctoral Institution	Location	Area	Certificate	Year
Certificate-Granting Institution	Location	Area	Certificate	Year

APPOINTMENTS
(List employment history in reverse chronological order.)

Dates	Job Title	Employer
-------	-----------	----------

PRODUCTS
(List up to ten products that demonstrate your experience and competence in evaluation and knowledge of the proposed project's discipline. Examples may include publications, reports, and evaluation tools. All products must be citable and accessible. Include full reference information, including URL, if available.)

SYNERGISTIC ACTIVITIES
(In paragraph form, list up to five examples that demonstrate your expertise in evaluation, especially as it pertains to the proposal. Examples may include ongoing or completed evaluations; development or adaptation of evaluation tools; leadership roles in the evaluation field; and invited lectures, presentations, or workshops on evaluation. If you have prior experience working in the proposal's discipline, describe that as well.)

29

2

Evaluation Questions

Evaluation Questions

EVAL PLAN CHECKLIST

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



31

Evaluation Questions

WHAT MAKES A GOOD EVALUATION QUESTION?



Evaluative



Not evaluative:

How many students did the project serve?



Evaluative:

What was the project's impact on program enrollment?

32

Slides available at:
evalu-ate.org/webinar/march24

Evaluation Questions

WHAT MAKES A GOOD EVALUATION QUESTION?

 Evaluative

 Reasonable ●

✗ **Unreasonable:**
Did the project increase hygienic welding employment in the state?

✓ **Reasonable:**
To what extent did students served by the project find employment in the hygienic welding sector?

33

Evaluation Questions

WHAT MAKES A GOOD EVALUATION QUESTION?

 Evaluative

 Reasonable

 Specific ●

✗ **Vague:**
Did the project increase instructor effectiveness?

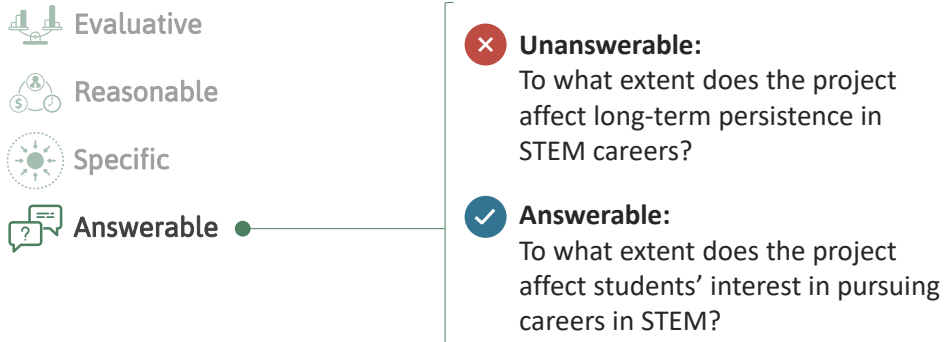
✓ **Specific:**
To what extent did participating instructors increase their knowledge about sanitary welding techniques?

34

Slides available at:
evalu-ate.org/webinar/march24

Evaluation Questions

WHAT MAKES A GOOD EVALUATION QUESTION?



35

Evaluation Questions

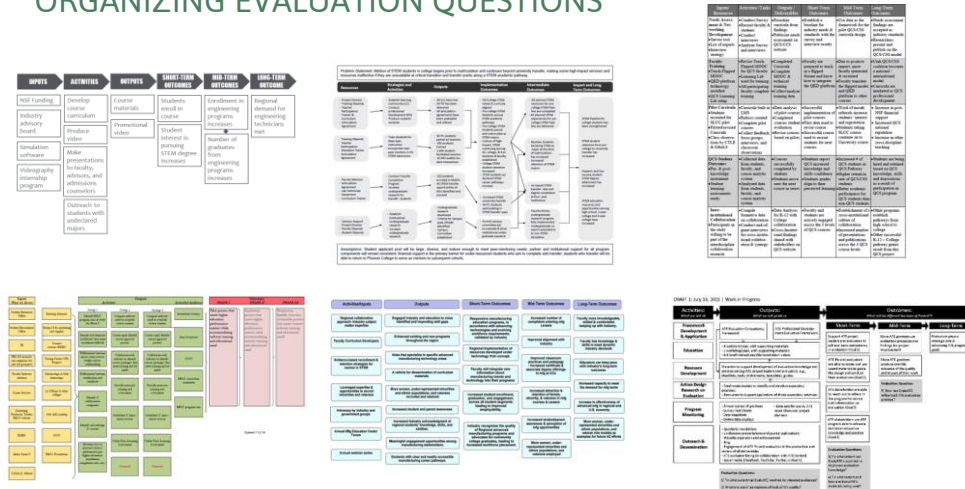
WHAT MAKES A GOOD EVALUATION QUESTION?



36
Slides available at:
evalu-ate.org/webinar/march24

Logic Models

ORGANIZING EVALUATION QUESTIONS



37

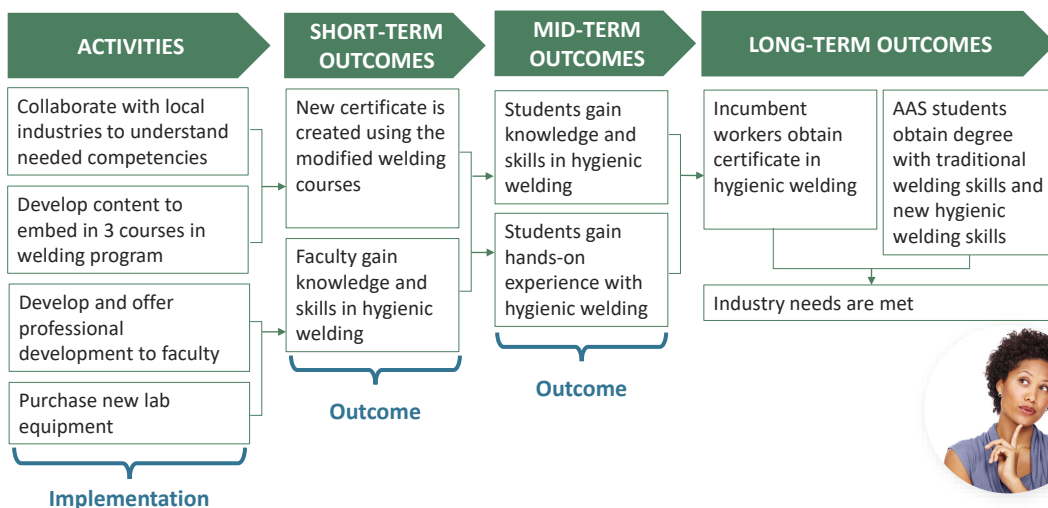
Logic Models

EXAMPLE



Logic Models

ORGANIZING EVALUATION QUESTIONS



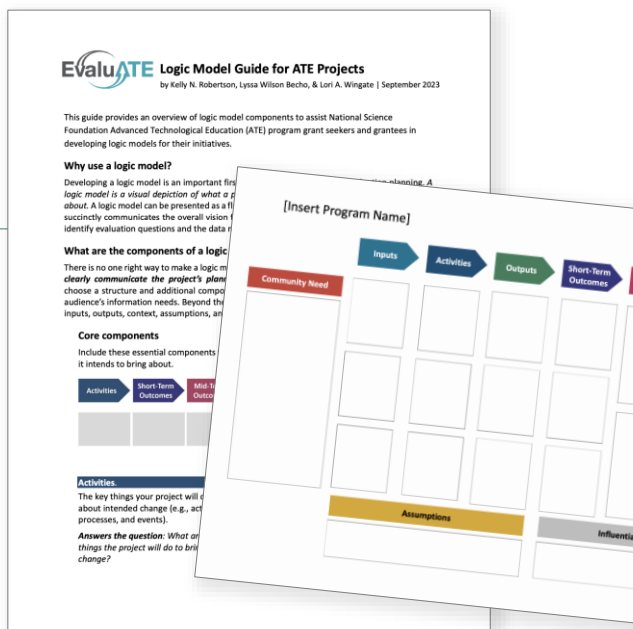
39

Resources

EVALUATION QUESTIONS

Logic Model Guide
& Template
for ATE Projects

Page 24



40

Slides available at:
evalu-ate.org/webinar/march24

20

Resources

EVALUATION QUESTIONS

Webinar: Next-Level
Logic Models for Your
ATE Proposal and
Beyond



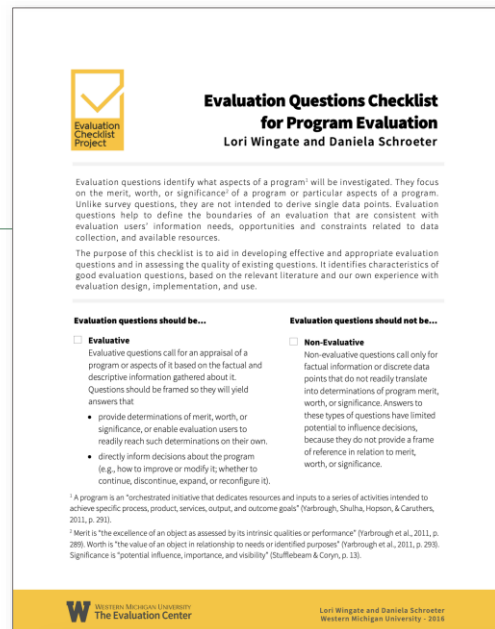
41

Resources

EVALUATION QUESTIONS

Evaluation Questions
Checklist

Page 14



42

Slides available at:
evalu-ate.org/webinar/march24

Resources

EVALUATION QUESTIONS

Logic Model &
Evaluation Plan
Clinics



43



44

Slides available at:
evalu-ate.org/webinar/march24



3 Data

45

Data

EVAL PLAN CHECKLIST

- ☐ 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



46

Slides available at:
evalu-ate.org/webinar/march24

Data

KEY TERMS



Indicators

Deciding what will be measured in order to answer evaluation questions



Data Collection Methods

Obtaining information needed for the evaluation



Analysis

Transforming raw data into usable information



Interpretation

Translating findings into conclusions that address the evaluation questions

47

Describing Data

CHAT QUESTION



Indicators



Methods



Analysis



Interpretation

- What is your opinion of this description of data to be used in an evaluation?

“The evaluation will utilize a mixed-methods approach in which quantitative and qualitative measures of performance will be used in both formative and summative manner to gauge the merit and worth of the grant initiative. Methods will include surveys, interviews, and review of program records.”

Answer
in chat box

48

Slides available at:
evalu-ate.org/webinar/march24

Data

KEY TERMS



Indicators



Data
Collection
Methods



Analysis



Interpretation

It's OK to sacrifice some detail, but plan must convey there is a **concrete plan** for collecting and using evaluation data.



49

Data Matrix

Evaluation Question 3: To what extent is participation in professional development affecting faculty's knowledge and skills in hygienic welding?

Indicators	Data Sources & Methods	Analysis	Interpretation
Change in faculty knowledge of sanitary techniques and hygienic design	Pre- and post-assessment of faculty	Inferential statistics	Compare understanding before workshop with after workshop
Proficiency of faculty in basic hygienic welding techniques	Observation assessment	Descriptive statistics	Compare with project target of 90% pass rate
Faculty opinions about hygienic welding coursework	Survey	Descriptive statistics Inductive coding of qualitative data	Compare results with rubric to judge degree of satisfaction
...

50

Slides available at:
evalu-ate.org/webinar/march24


25

Resources

DATA

Evaluation Data Matrix Template

Page 19


Evaluation Data Matrix Template
 Lori Wingate | July 2017

This material is based upon work supported by the National Science Foundation under grant number 16020952. Any opinions, findings, and conclusions or recommendations expressed in this material are those of the author and do not necessarily reflect the views of NSF.

An evaluation plan should include a clear description of what data will be collected, from what sources and how, by whom, and when, as well as how the data will be analyzed. Placing this information in a matrix helps ensure that there is a viable plan for collecting all the data necessary to answer each evaluation question and that all collected data will serve a specific, intended purpose. The table below may be copied into another document, such as a grant proposal, and edited/expanded as needed. An example is provided on the next page.

Indicator	Data Source and Methods	Responsible Party	Timing	Analysis Plan	Interpretation

If space is limited, such as in a National Science Foundation proposal, fewer columns may be used. It is most critical to include the evaluation questions, indicators, data sources and methods, and timing.

DEFINITIONS

Evaluation Questions are overarching questions about a project's quality or impact. The number of evaluation questions depends on the scope and purpose of the evaluation; 3 to 7 questions is typical. Questions should address both project implementation and outcomes.

Indicators are specific pieces of information about an aspect of a project—basically, what will be measured in order to answer the evaluation questions. It is useful to use multiple indicators to address an evaluation question, including qualitative and quantitative data.

Data Sources are the entities from which data will be collected. Typical data sources for ATE evaluations include project personnel, students, graduates, faculty, project partners, business and industry representatives, institutional records, website usage statistics, and teaching and learning artifacts.

Data Collection Methods are the means by which information will be gathered. Typical methods include surveys, focus groups, interviews, observations, and institutional database queries.

Responsible Parties are the individuals or organizations tasked with collecting the needed information. In many cases, data collection requires cooperation among multiple entities. For example, an external evaluator may be responsible for administering a survey, but a member of the project staff may need to supply the contact information.

Timing identifies when and how frequently data will be collected (e.g., at events, quarterly, annually). It is important to identify approximately when data collection will take place to ensure the information will be obtained when needed for reporting purposes and decision making and that the data collection schedule is conducive to other things taking place in project's context (e.g., other major data collection activities, semester schedules).

Analysis Plan how the quantitative and qualitative data will be summarized into meaningful, usable information.

Interpretation is how the analyzed data will be used to reach conclusions related to the evaluation questions.

evalu-ate.org | (269) 387-5920 | Western Michigan University

51



4

Communication & Use of Results

52

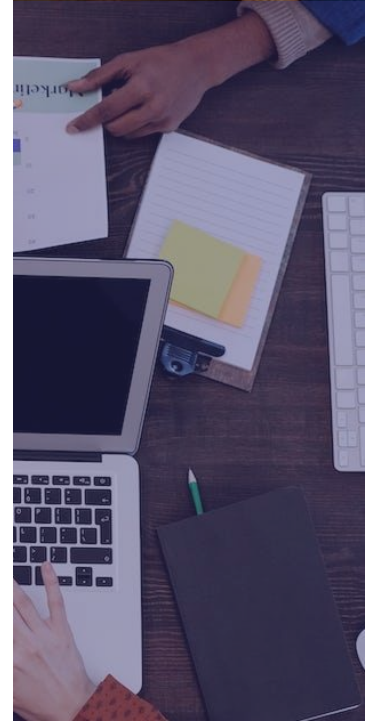
Slides available at:
evalu-ate.org/webinar/march24

26

Communication & Use

EVAL PLAN CHECKLIST

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



53

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?

54

Slides available at:
evalu-ate.org/webinar/march24

Which is the best description of evaluation communication & use?

POLL QUESTION

Example A

The evaluator will work with the project PI to prepare required annual reports submitted to NSF. Evaluation reports will be shared with appropriate decision-makers. The two teams will meet as needed to ensure an effective evaluation.

Example B

The evaluator will meet with the project team quarterly to share evaluation results and receive updates on the project. Interim evaluation reports will be used by project team for improvement. In the final year, the project PI will collaborate with the evaluator to prepare a presentation to present at national conferences.

Example C

The evaluator will submit annual reports to the project PI and assist the project team in preparing evaluation results for inclusion in the project's annual report to NSF. Evaluation reports will be shared with the project's advisory committee.

Answer
in poll box

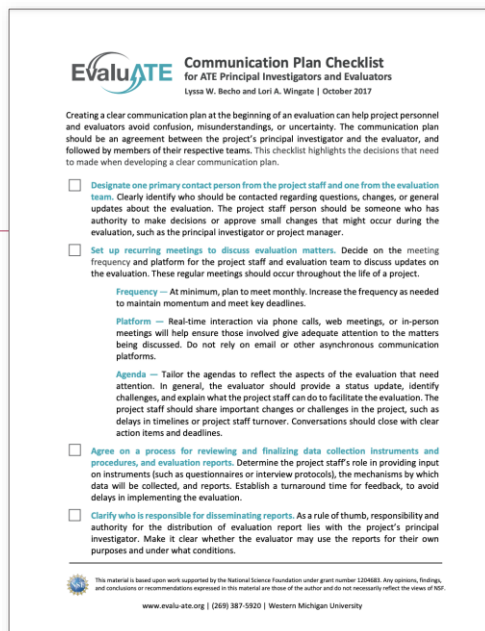
55

Resources

COMMUNICATION & USE

Communication Plan Checklist

[Bit.ly/checklist-commplan](https://bit.ly/checklist-commplan)



EvaluATE Communication Plan Checklist
for ATE Principal Investigators and Evaluators
Lyssa W. Becho and Lori A. Wingate | October 2017

Creating a clear communication plan at the beginning of an evaluation can help project personnel and evaluators avoid confusion, misunderstandings, or uncertainty. The communication plan should be an agreement between the project's principal investigator and the evaluator, and followed by members of their respective teams. This checklist highlights the decisions that need to be made when developing a clear communication plan.

- ☐ **Designate one primary contact person from the project staff and one from the evaluation team.** Clearly identify who should be contacted regarding questions, changes, or general updates about the evaluation. The project staff person should be someone who has authority to make decisions or approve small changes that might occur during the evaluation, such as the principal investigator or project manager.
- ☐ **Set up recurring meetings to discuss evaluation matters.** Decide on the meeting frequency and platform for the project staff and evaluation team to discuss updates on the evaluation. These regular meetings should occur throughout the life of a project.
 - Frequency** — At minimum, plan to meet monthly. Increase the frequency as needed to maintain momentum and meet key deadlines.
 - Platform** — Real-time interaction via phone calls, web meetings, or in-person meetings will help ensure those involved give adequate attention to the matters being discussed. Do not rely on email or other asynchronous communication platforms.
 - Agenda** — Tailor the agendas to reflect the aspects of the evaluation that need attention. In general, the evaluator should provide a status update, identify challenges, and explain what the project staff can do to facilitate the evaluation. The project staff should share important changes or challenges in the project, such as delays in timelines or project staff turnover. Conversations should close with clear action items and deadlines.
- ☐ **Agree on a process for reviewing and finalizing data collection instruments and procedures, and evaluation reports.** Determine the project staff's role in providing input on instruments (such as questionnaires or interview protocols), the mechanisms by which data will be collected, and reports. Establish a turnaround time for feedback, to avoid delays in implementing the evaluation.
- ☐ **Clarify who is responsible for disseminating reports.** As a rule of thumb, responsibility and authority for the distribution of evaluation report lies with the project's principal investigator. Make it clear whether the evaluator may use the reports for their own purposes and under what conditions.

This material is based upon work supported by the National Science Foundation under grant number 1230488. Any opinions, findings, and conclusions or recommendations expressed in this material are those of the author and do not necessarily reflect the views of NSF.

www.evalu-ate.org | (269) 387-5920 | Western Michigan University

56

Slides available at:
evalu-ate.org/webinar/march24

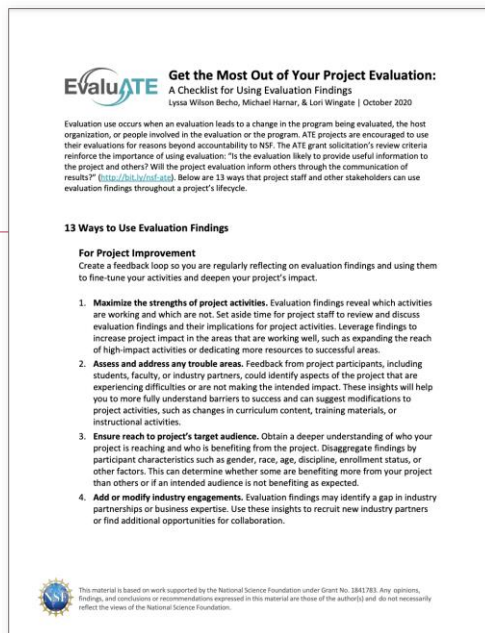
28

Resources

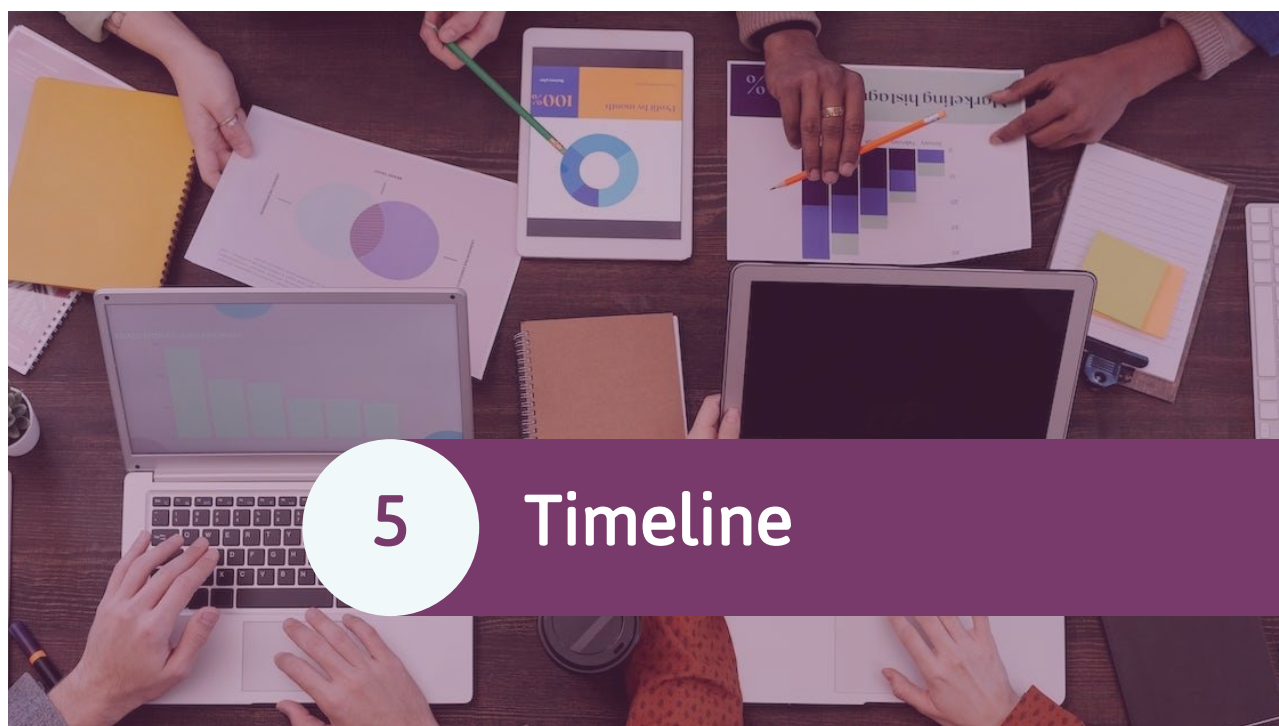
COMMUNICATION & USE

Getting the Most Out of Your Evaluation: Checklist for Using Evaluation Findings

[Bit.ly/eval-use-checklist](https://bit.ly/eval-use-checklist)



57



58
Slides available at:
evalu-ate.org/webinar/march24

Timeline

EVAL PLAN CHECKLIST

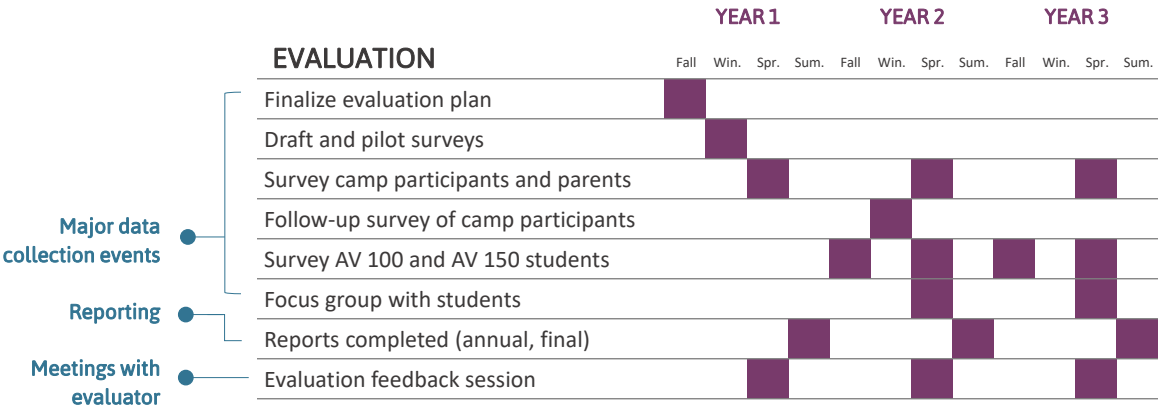
- ☐ Identify when **key evaluation activities** will occur in order to produce timely information



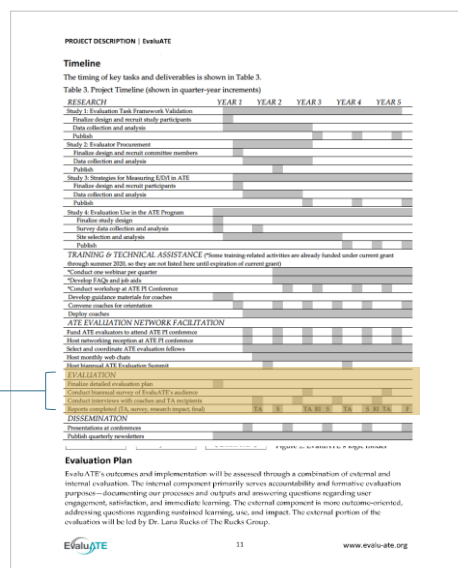
59

Evaluation Timeline

EXAMPLE



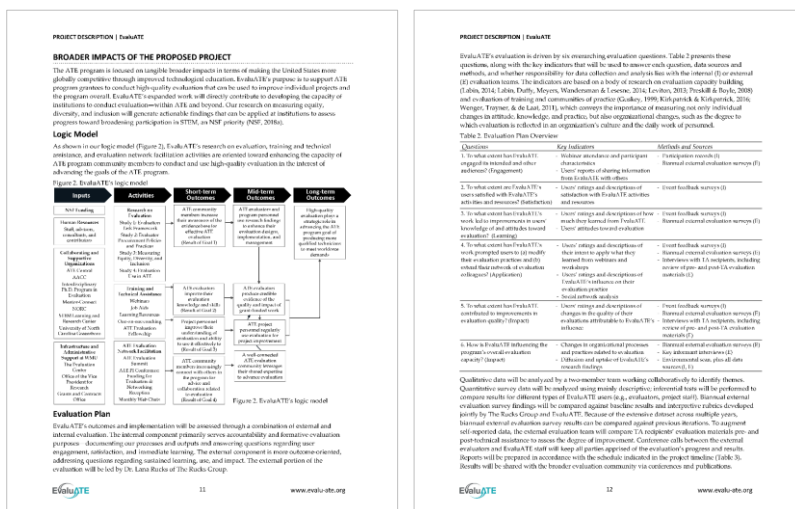
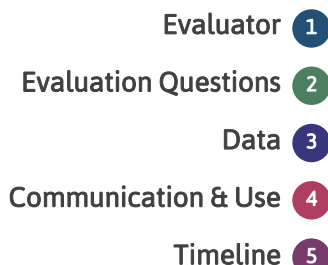
Evaluation timeline ●



61

Evaluation Plan

ESSENTIAL ELEMENTS




62
Slides available at:
evalu-ate.org/webinar/march24

Resources

EVALUATION PLAN

ATE Proposal Evaluation Plan Template

Page 13


ATE Proposal Evaluation Plan Template
July 2017

This template is for use in preparing the evaluation plan sections for proposals to the National Science Foundation's Advanced Technological Education (ATE) program. It is based on the ATE Evaluation Planning Checklist (see <http://bit.ly/checklist-ebp-ate>), also developed by EvaluATE. It is aligned with the evaluation guidance included in the [2017 ATE Program Solicitation](#). All proposers should read the solicitation in full.

How to use this template: Replace the descriptions of what should go in each section below with relevant details about your proposed project's evaluation. Copy the text into your Project Description. The evaluation plan should comprise one to two pages of your proposal's 15-page Project Description.

This material is based upon work supported by the National Science Foundation under Grant No. 1600992. Any opinions, findings, and conclusions or recommendations expressed in this material are those of the author and do not necessarily reflect the views of the National Science Foundation.

Evaluation Plan

Identify by name the person(s) who will lead the external evaluation of the project. Briefly describe their academic training and professional experience that qualifies them to serve as an external evaluator. Refer to the evaluator's biosketch and commitment letter and include those documents with the proposal's Supplementary Documents.

Evaluation Questions. Identify the focus of the evaluation by listing the evaluation questions. The questions should align with the project's purpose and address both implementation and outcomes. Examples of outcomes of interest to the ATE program include, but are not limited to, changes related to student learning, persistence, retention, graduation, and employment; faculty knowledge and pedagogical skills; broadening participation in STEM; meeting workforce needs; enhancing institutional capacity; and advancing knowledge about technician education. If the project has a logic model, refer to it and make sure the evaluation questions align with the logic model components.

Data Collection and Analysis. For each evaluation question, identify what will be measured, how the data will be collected and from what sources, and when. If specific published instruments will be used for data collection, describe and cite them (and include in References Cited section of proposal). Describe how data will be analyzed so that the evaluation questions can be answered. Placing this information in a table helps show linkages between the evaluation questions and the data, such as shown below (see EvaluATE's [Data Collection Planning Matrix](#) for additional details).

Indicator	Data Source & Collection Method	Timing	Analysis	Interpretation
[what will be measured – ideally there will be more than one indicator per evaluation question]	[where the data will come from and how it will be obtained]	[when the data will be collected]	[how the qualitative and quantitative data will be transformed and summarized into usable information]	[procedures for using findings to answer the evaluation questions and reach evaluative conclusions]

Reporting and Use. Identify the deliverables that will be produced by the evaluation after the project is funded, such as a detailed evaluation plan, data collection instruments, and reports. Identify when reports will be provided to the project and how the results will be used to inform project improvement.

[ALSO: Include evaluation activities in the project's Timetable elsewhere in the Project Description. Include pertinent details about staff responsibilities related to evaluation in the Management Plan section.]

www.evalu-ate.org

63



INTEGRATING EVALUATION THROUGHOUT ATE PROPOSALS

65

Beyond the Evaluation Plan



Results from Prior NSF
Support

“This subsection must contain specific outcomes and results including metrics to demonstrate the impact of the project activities.”



Intellectual Merit

advancement of knowledge



Broader Impacts

benefit to society

66

Slides available at:

evalu-ate.org/webinar/march24

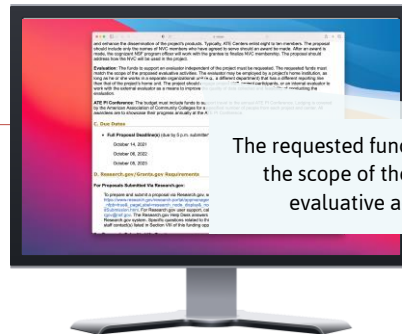
Beyond the Evaluation Plan



Results from Prior NSF
Support



Budget and Budget
Justification



The requested funds must match
the scope of the proposed
evaluative activities.

67

Beyond the Evaluation Plan



Results from Prior NSF
Support



Budget and Budget
Justification

According to PAPPG

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

68

Slides available at:
evalu-ate.org/webinar/march24

Beyond the Evaluation Plan

 Results from Prior NSF Support

 Budget and Budget Justification

 Data Management Plan

Requirements

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



Include
evaluation
data


69

Beyond the Evaluation Plan

 Results from Prior NSF Support

 Budget and Budget Justification

 Data Management Plan

 References

Include references
to evaluation
literature

Justify
evaluation
approach

Justify use of
instruments and
methods

REFERENCES

- American Society of Higher Education (ASHE). (2011). *Special issues: Rural and urban minority students' success in US higher education*. 2016. Higher Education Report, 36(3), 1-10. Retrieved from: <https://www.ashe.edu/2016-higher-education-report/>
- Y. & Stevens, M. M. (2011). The use of workplace assessment as a component of career and technical education program evaluation. *Career and Technical Education Research*, 30(2), 105-130.
- Boyer, A. S. (2017). Lessons learned using a value-engaged approach to assess, evaluate, identify, and equity in a STEM program evaluation. *Evaluation and Program Planning*, 64, 39-48.
- Cervone, K. (2008). Characteristics of adult learners with implications for online learning design. *Association of Computing in Education Journal*, 10(2), 137-149.
- Delmon, L. M. (2013). Evaluation of all experience: Linking educational experiences to competencies. *American Journal of Evaluation*, 34(2), 271-285.
- Hopkins, J. L., Sanders, J. R., & Worthen, B. R. (2006). *Program evaluation: Alternative approaches and practical guidelines* (2nd ed.). New York: Longman.
- Reardon, D. S., & Chouinard, C. A. (2009). Evaluation and practice from a survey of U.S. American Evaluation Association members. *American Journal of Evaluation*, 30(2), 159-175.
- Gilbert, N., & Adams, T. (2006). Evaluation learning needs and competencies: A gap analysis. *American Journal of Evaluation*, 28(1), 60-100.
- Gonzalez, A. (2004). *The effective strategies: How to get things right*. New York: HarperCollins Books.
- Granger, J. (2009). *Evaluating professional development*. Thousand Oaks, CA: Sage.
- Hyers, L. L. (2005). *Classroom methods*. New York, NY: Oxford University Press.
- Johnson, K., Greenwald, L. O., Ford, S. A., King, J. A., Lawrence, E., & Volokov, B. (2006). *Democracy in evaluation and practice: A review of the empirical literature from 1980 to 2005*. *American Journal of Evaluation*, 30(3), 377-410.
- Kirkpatrick, B. R. (2004). *Measuring evaluation use: An integrated theory of influence*. New Directions for Evaluation, 98, 9-25.
- Kirkpatrick, J. D., & Kirkpatrick, W. K. (2001). *Kirkpatrick's four levels of training evaluation*. Alexandria, VA: ASTD.
- Kirkpatrick, J. D. (2004). *Technology in action: Applying modern principles of adult learning*. San Francisco, CA: Jossey-Bass.
- Measures, M., Cohen, E. J., & Branson, H. A. (2006). *The adult learner: The defector class in adult education and human resource development* (4th ed.). Burlington, MA: Elsevier.
- Reardon, D. S. (2009). *Evaluating professional development: The Canadian experience*. New Directions for Evaluation, 105, 7-45.
- Latva, S. N. (2010). Developing content measures in evaluation capacity building: An interactive science and practice process. *American Journal of Evaluation*, 31(3), 307-335.
- Latva, S. N., Duffy, J. L., Myers, D. C., Wardenstein, A., & Lounsbury, C. A. (2012). A research synthesis of the evaluation capacity building literature. *American Journal of Evaluation*, 33(1), 307-335.
- LeVine, J. M., & Trumbull, S. J. (2005). The nature of program evaluation. *New Directions for Evaluation*, 105, 50-52.

70

Slides available at:
evalu-ate.org/webinar/march24

35

Beyond the Evaluation Plan



Results from Prior NSF
Support



Budget and Budget
Justification



Data Management Plan



References

71

Resources

EVALUATION PLANS



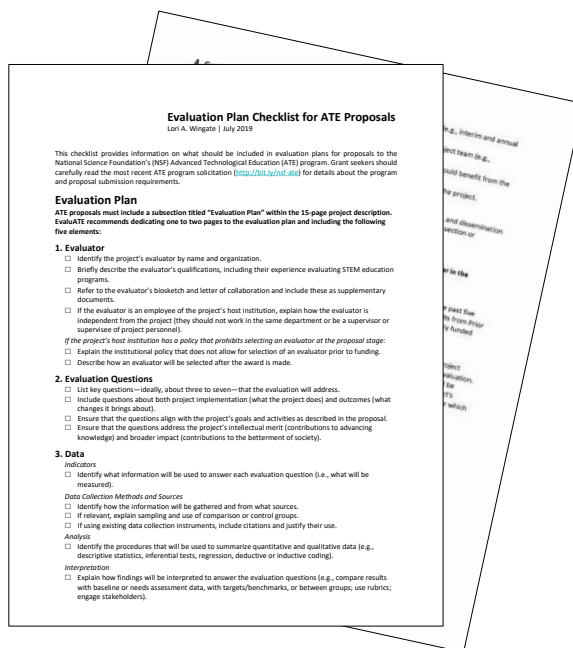
72

Slides available at:
evalu-ate.org/webinar/march24

Resources

EVAL PLAN CHECKLIST

Page 10



73

Resources

EVALUATION QUESTIONS

Logic Model &
Evaluation Plan
Clinics



74

Slides available at:
evalu-ate.org/webinar/march24

Next Steps

OVERVIEW

- 1 Know your institution's requirements for procuring an evaluator
- 2 Search for evaluators with skills and experience that fit your project's needs
- 3 Develop evaluation questions that will inform your project's learning
- 4 Identify data that will answer your evaluation questions
- 5 Consider how your project will engage with evaluation findings

75

QUESTION BREAK

Use
chat window

76

Slides available at:
evalu-ate.org/webinar/march24

38

CONNECT WITH US

On LinkedIn
bit.ly/eval-li



Through our website
evalu-ate.org



77