

Behind the Scenes



Ana Councell



Lori Wingate



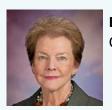
Kelly Robertson



Valerie Marshall



Special Thank You



Elaine Craft

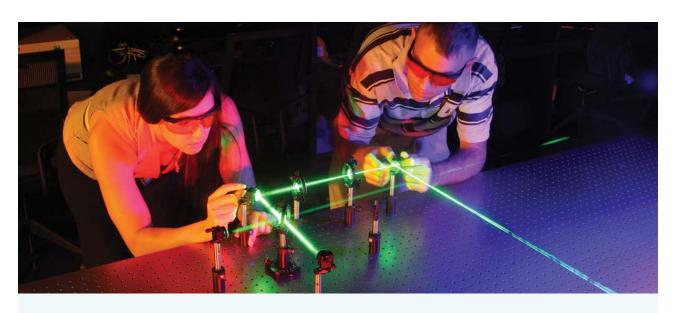


Carolyn Williams-Noren



Emery
DeWitt

MENTOR
CONNECT



Advanced Technological Education Program

www.nsf.gov/ate



This material is based upon work supported by the National Science Foundation under Grants Nos. 1600992 and 1841783. The content reflects the views of the authors and not necessarily those of NSF.



Hello



LyssaWilson Becho

(

Poll Question

Which statement best describes you?

- o Already have an ATE grant
- o Planning to submit an ATE grant for the first time
- o Funded through a different NSF program
- o Planning to submit to a different NSF program
- Not involved with NSF





How would you describe your familiarity with evaluation?

- O No idea what it is or where to start!
- o Have heard of it before, but need some pointers
- Very familiar, here to strengthen my understanding



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Meet 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.













First-Gen



Intrusive Advising





Virtual Tech Prep Course

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EVALUATION: All projects and centers carry out evaluative activities. The funds to support an evaluator independent of the project or center must be requested, and the requested funds must match the scope of the proposed evaluative activities.

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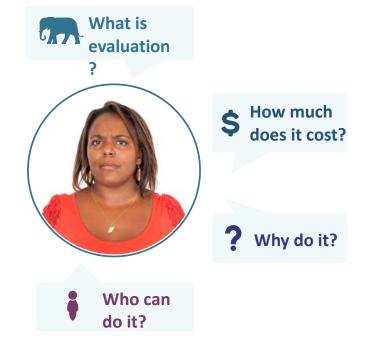
What is evaluation ?

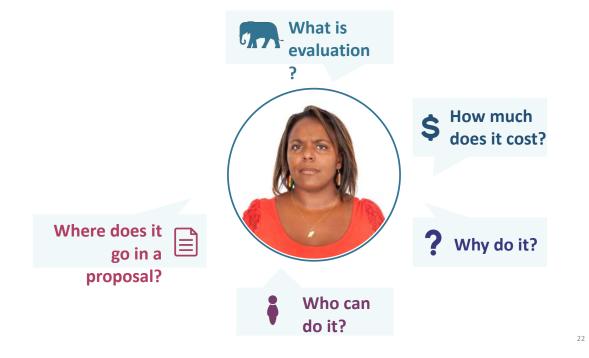
\$ How much does it cost?

What is evaluation ?

\$ How much does it cost?

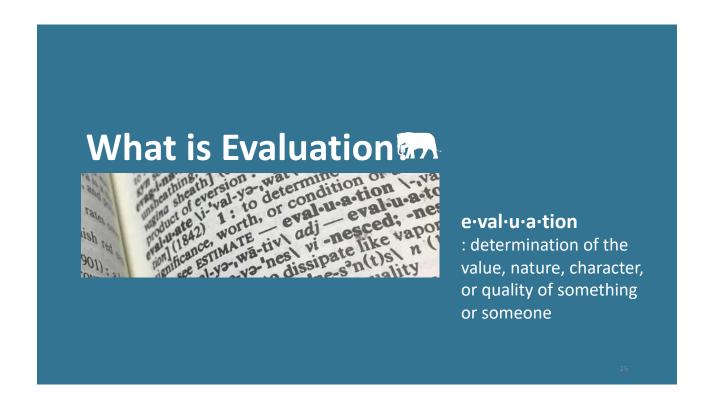
? Why do it?

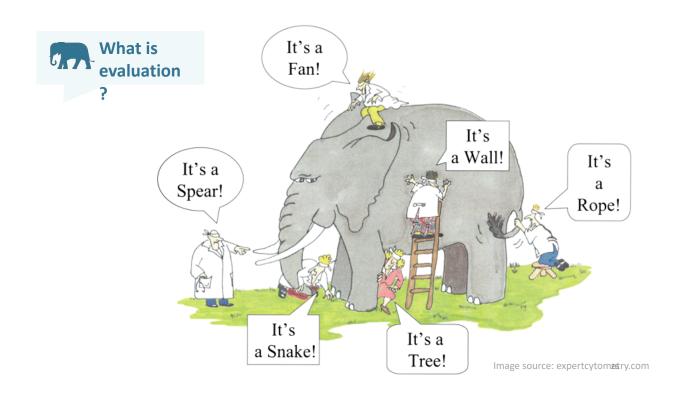


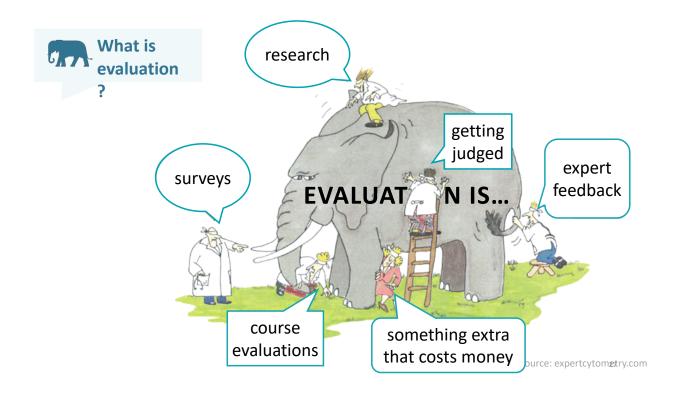














about a project's processes and outcomes.

EVALUATION



 Ask important questions about a project's processes and outcomes. 2. Gather evidence that will help answer those questions.

EVALUATION

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1. Ask important questions about a project's processes and outcomes.

2. Gather evidence that will help answer those questions.

EVALUATION

3. Interpret data and answer the evaluation questions.



about a project's processes and outcomes.

2. Gather evidence that will help answer

those questions.

EVALUATION

4. Use and report results

for accountability, improvement, and planning.

3. Interpret data

and answer the evaluation questions.

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1. Ask important questions

2. Gather evidence

EVALUATION

4. Use and report results

3. Interpret data



- Goal achievement
- Implementation
- Outcomes
- Sustainability

2. Gather evidence

EVALUATION

EVALUATION

4. Use and report results

3. Interpret data

33



1. Ask important questions

- Goal achievement
- Implementation
- Outcomes
- Sustainability

2. Gather evidence

- Research methods
- Institutional data
- Course evaluations
- Expert feedback

4. Use and report results

3. Interpret data



- Goal achievement
- Implementation
- Outcomes
- Sustainability

EVALUATION

2. Gather evidence

- Research methods
- Institutional data
- Course evaluations
- Expert feedback

4. Use and report results

3. Interpret data

- Strengths and weaknesses
- Extent, direction, and importance of outcomes

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1. Ask important questions

- Goal achievement
- Implementation
- Outcomes
- Sustainability

EVALUATION

2. Gather evidence

- Research methods
- Institutional data
- Course evaluations
- Expert feedback

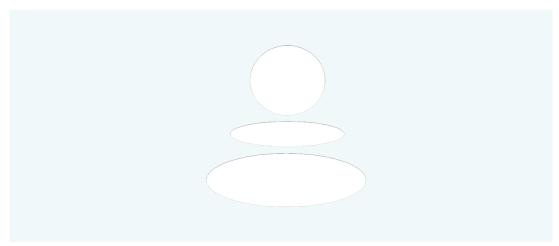
4. Use and report results

- Improvement
- Planning
- Accountability
- Evidence of capability
- · Build knowledge base

3. Interpret data

- Strengths and weaknesses
- Extent, direction, and importance of outcomes





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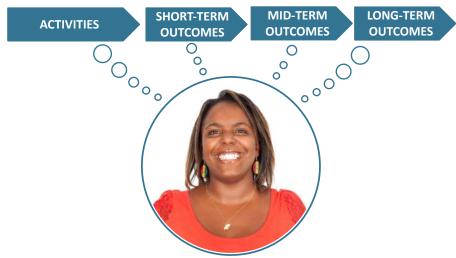
In one word, how are you feeling right now?



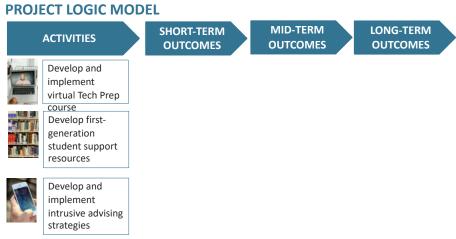






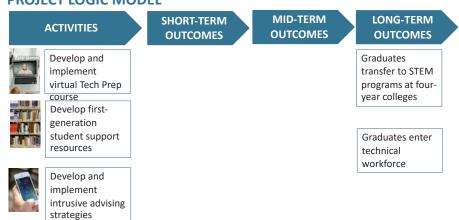








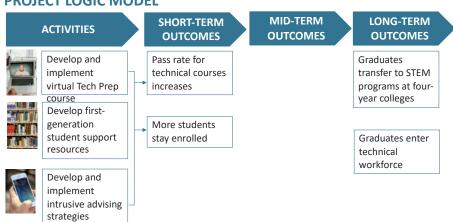
PROJECT LOGIC MODEL



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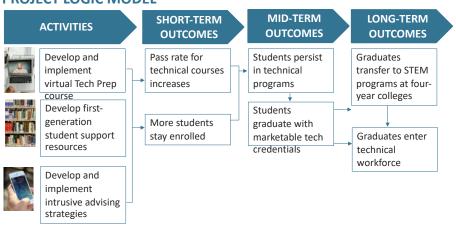
PROJECT LOGIC MODEL



Evaluation Basics for Non-evaluators



PROJECT LOGIC MODEL

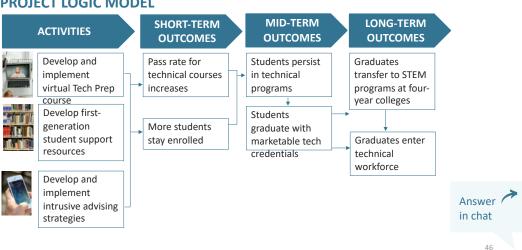


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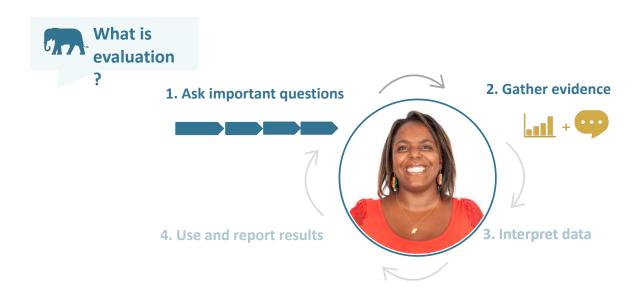




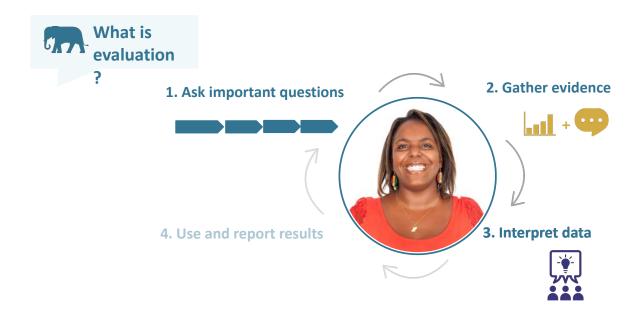
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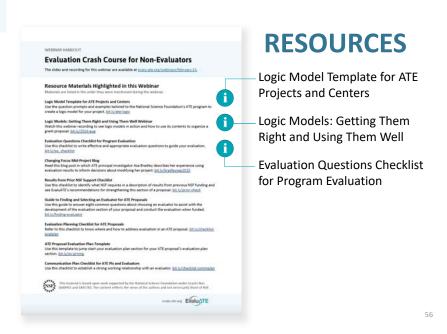
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Evaluation Basics for Non-evaluators



What is evaluation



What is evaluation ?

\$ How much does it cost?

Questions

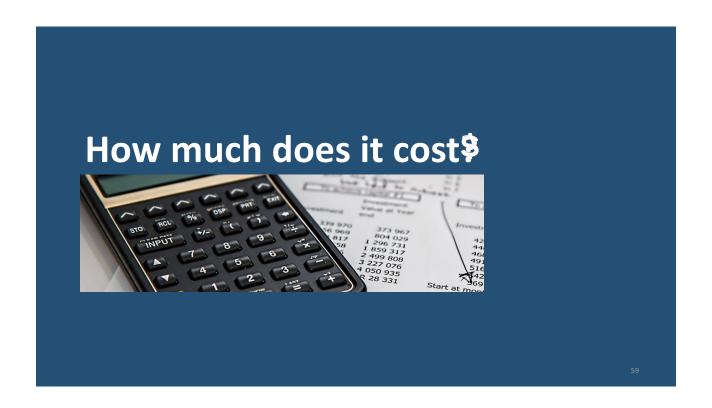


Emma



Lyssa

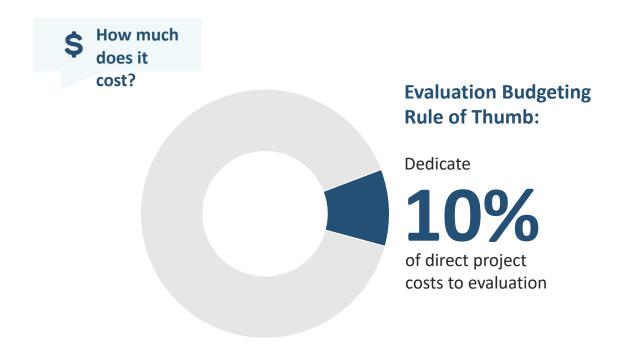








EVALUATION: All projects and centers carry out evaluative activities. The funds to support an evaluator independent of the project or center must be requested, and the requested funds must match the scope of the proposed evaluative activities.

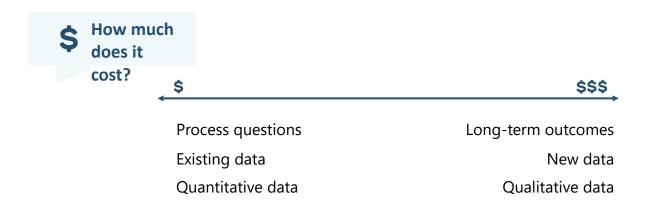




2/24/2021



63



2/24/2021



\$ \$\$\$

Process questions
Existing data
Quantitative data

Less responsive

Long-term outcomes

New data

Qualitative data

More responsive

65

\$ How much does it cost?

Process questions Existing data

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2/24/2021



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Long-term outcomes

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More internal evaluation

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Less internal evaluation



\$ \$\$\$

Process questions

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•••

What is evaluation ?

\$ How much does it cost?

? Why do it?

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EVALUATION: All projects and centers carry out evaluative activities. **The funds to support an evaluator independent of the project or center must be requested** and the requested funds must match the scope of the proposed evaluative

REQUIRED





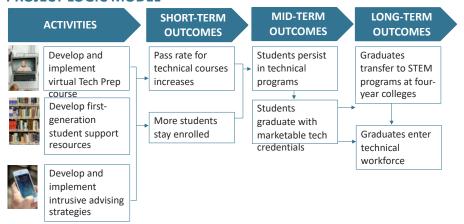
- ? Why do it?
- 1 Improvement

"The most important purpose of evaluation is not to prove, but to improve."





PROJECT LOGIC MODEL



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Rebranding the 21st Century IT Technician



Asa Bradley
Spokane Community College







? Why do it?



2/24/2021

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Evaluation Basics for Non-evaluators





Annual reports submitted by principal investigators to NSF:





Why do it?



Annual reports submitted by principal investigators to NSF:



- Report on goals, activities, objectives, results, outcomes
- Upload evaluation report







Annual reports submitted by principal investigators to NSF:



- Report on goals, activities, objectives, results, outcomes
- Upload evaluation report
- Use data to justify change in project plans



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3 Evidence

?

Why do it?





The Project Description must begin with the subsection on Results from Prior NSF Support.... This subsection must contain specific outcomes and results including metrics to demonstrate the impact of the project activities.

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? Why do it?



Which is the best evidence of outcomes?

Example A

The prior project was fund- ed to increase the number of students completing technical degrees and transferring to 4-year STEM programs. Funded activities included developing a Tech Prep course, enhancing advising, and developing support resources and strategies for firstgeneration college students.

Example B

All project objectives were achieved: 150 students enrolled in the new Tech Prep course. 300 first-generation students benefited from newly developed resources aimed at addressing their diverse needs. 25 faculty members were trained in intrusive advising and reported using proactive advising strategies.

Example C

The 5-year average pass rate for technical courses increased from 62% to 85%. Year-to-year persistence in technical programs in-creased from 45% to 66%. Students said that personal guidance from faculty and peer advisors was essential to helping them overcome challenges they faced while pursuing their education.



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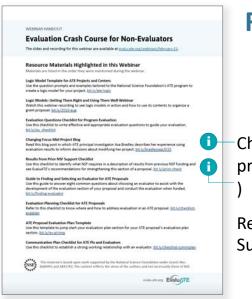
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? Why do it?



RESOURCES

Changing Focus Midproject (Asa's blogpost

Results from Prior NSF Support Checklist

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Questions

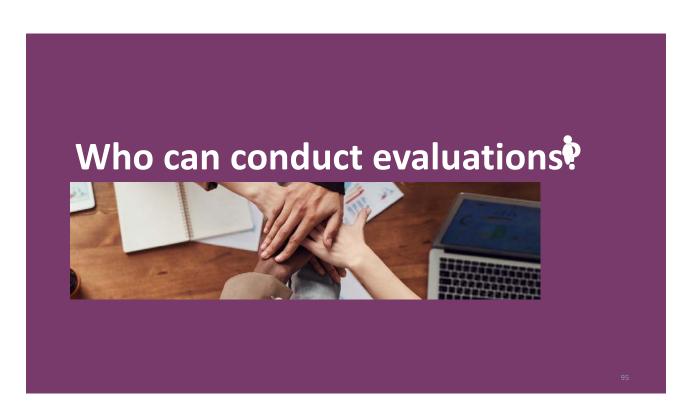


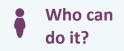
Emma



Lyssa









EVALUATION: All projects and centers carry out evaluative activities. The funds to support an **evaluator independent of the project** or center must be requested, and the requested funds must match the scope of the proposed evaluative activities.

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Believe It or Not!



Believe It or Not!







Believe It or Not!















Believe It or Not!









ACADEMIC JOURNALS





PROFESSIONALS



Photo credit: American Evaluation Association | www.eval.or







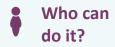






What to look for in an evaluator

- ✓ Experience as an evaluator
- ✓ Research skills
- ✓ Communication skills
- √ Understanding of NSF and 2-year-college contexts





Which evaluator would you recommend?

Evaluator A

- Ph.D., Higher education administration
- 10 years of experience leading accreditation teams for technical programs at two-year colleges
- Published 5 research articles and 2 book chapters on technical education and student services

Evaluator B

- M.A., Organizational psychology with emphasis in program evaluation
- Currently serving as lead evaluator for 25 NSFfunded projects
- Recipient of Outstanding Evaluation award from American Evaluation Association

Evaluator C

- M.S., Information technology
- Retired dean of technical programs at community college
- Received more than \$4 million in NSF grants over 20-year career





Who can do it?

Evaluator A

- Ph.D., Higher education administration
- 10 years of experience leading accreditation teams for technical programs at two-year colleges
- Published 5 research articles and 2 book chapters on technical education and student services

What is your experience with project evaluation?

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Who can do it?

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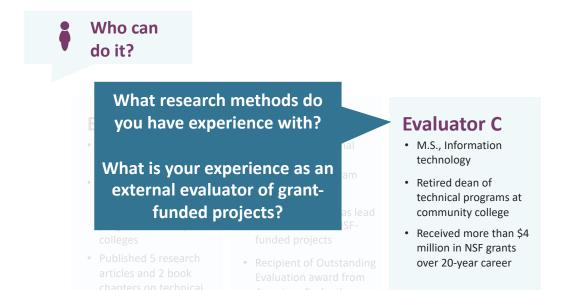
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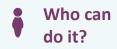
Do you have time to work on my project's evaluation?

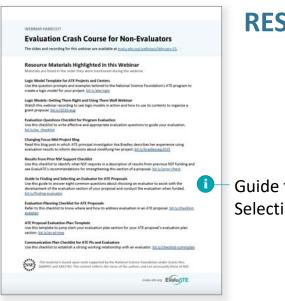
Who would do most of the work and what are their credentials?

 Received more than \$4 million in NSF grants over 20-year career



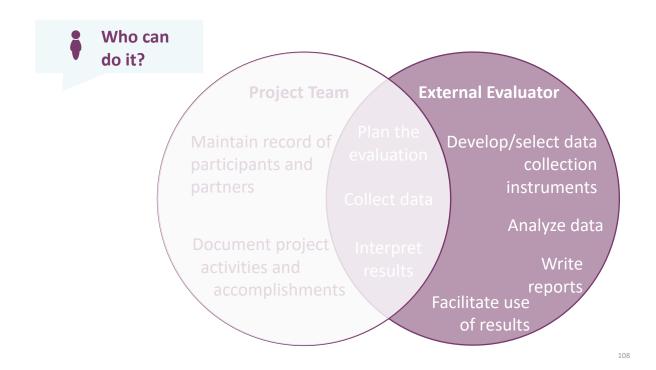
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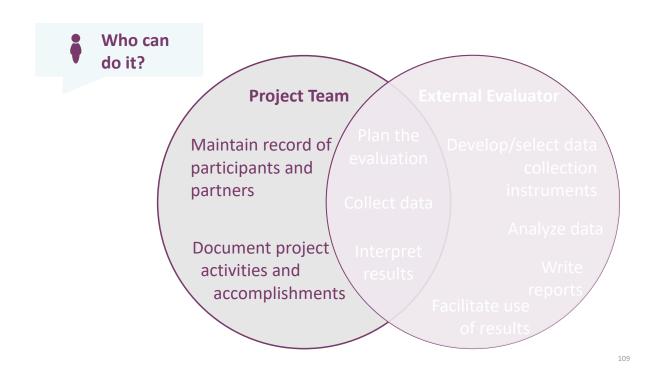


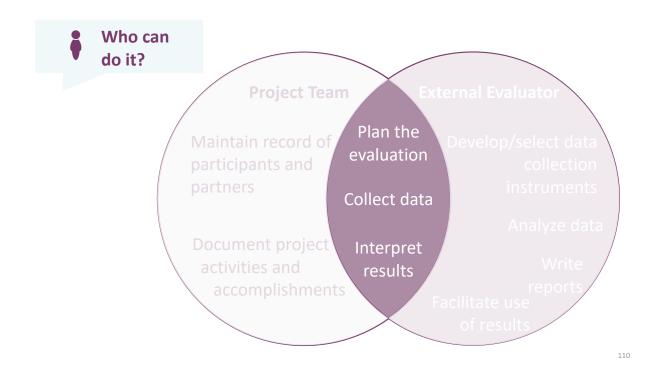


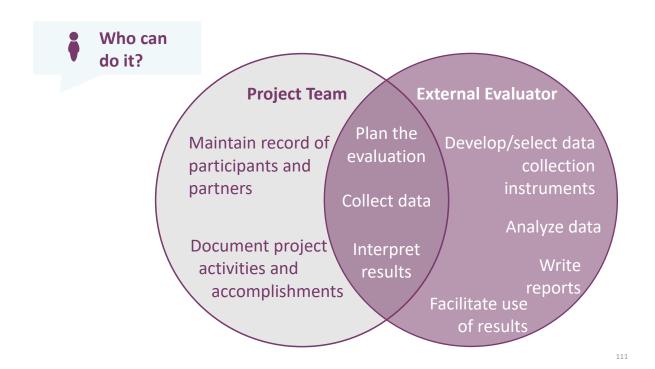
RESOURCES

Guide to Finding and Selecting an Evaluator

















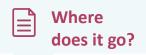
Proposal Components

- Cover Sheet
- ☐ Project Summary
- Project Description
- References Cited
- ☐ Biographical Sketches
- ☐ Budget & Budget Justification
- Current & Pending Support
- Facilities, Equipment & Other Resources
- Supplementary Documents



Proposal Components





Proposal Components

✓ Project Description	15 pages
	Results from Prior NSF Support
	Rationale
	Goals, Objectives, Deliverables, Activities
	Timetable
	Management Plan
	Roles & Responsibilities of Senior Personnel
	Plan for Sustainability
	Evaluation Plan
	Dissemination Plan
	Intellectual Merit
	Broader Impacts



Proposal Components



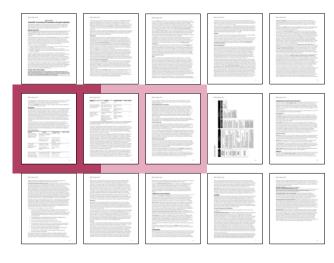


Project Description





Project Description



Evaluation plan should be 1-3 pages.

Aim for 1½ pages.



Evaluation Plan





Evaluator

Evaluation questions

Data collection

Data analysis and interpretation

Evaluation deliverables and uses

Evaluation timeline



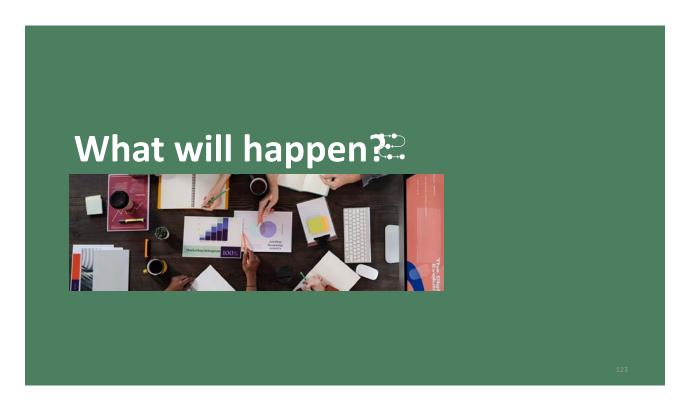
If possible, avoid DIY evaluation plans: Get help from the evaluator you intend to work with or someone else with evaluation expertise.



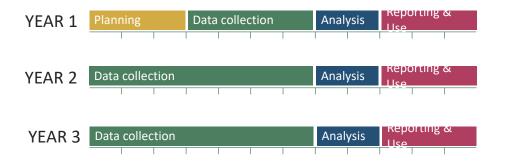


RESOURCES

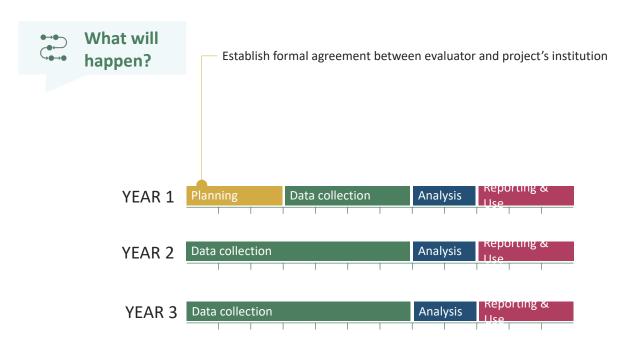
Evaluation Planning Checklist for ATE Proposals ATE Proposal Evaluation Plan Template

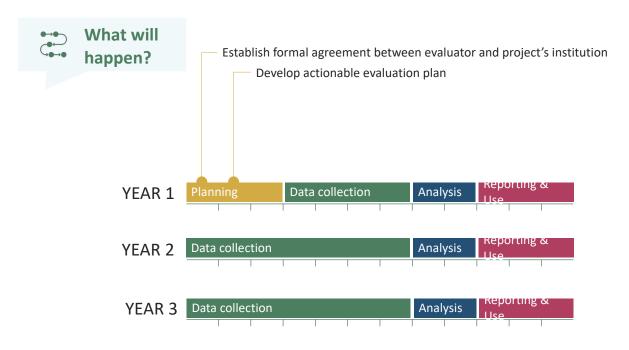




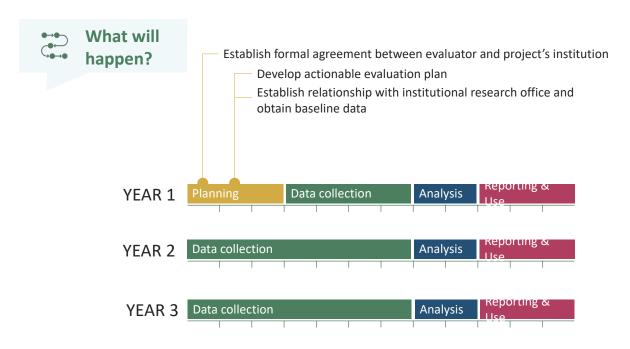


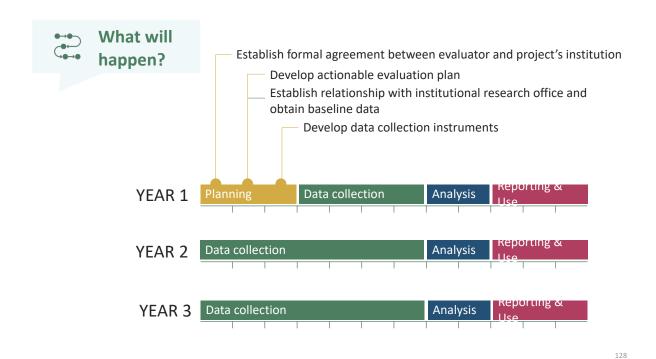
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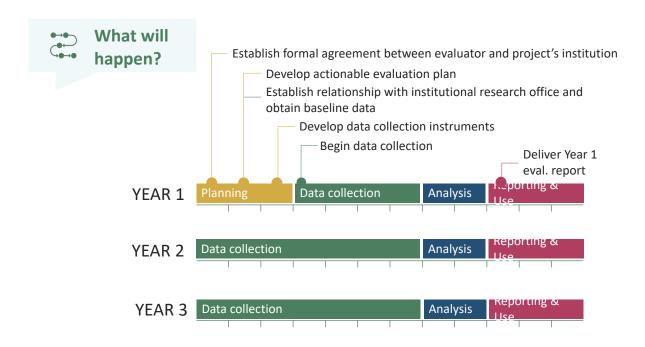


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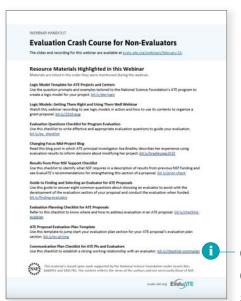


What will happen? Establish formal agreement between evaluator and project's institution Develop actionable evaluation plan Establish relationship with institutional research office and obtain baseline data Develop data collection instruments Begin data collection Analysis Data collection YEAR 1 Data collection **Analysis** YEAR 2 YEAR 3 Data collection **Analysis**



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RESOURCES

Communication Plan Checklist for ATE Pls and Evaluators



