


**Evaluation Tools**  
**Logic Models, Success Indicators, and Standards of Performance**

**Evaluate|t|e**  
EVALUATION RESOURCE CENTER for advanced technological education

January 20, 2010



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# Introductions

<p><b>Stephanie</b> Evergreen</p>  <p>Presenter</p>	<p><b>Lori</b> Wingate</p>  <p>Presenter</p>	<p><b>Peggie</b> Weeks</p>  <p>Moderator</p>	<p><b>Mark</b> Viquesney</p>  <p>Host &amp; Technical Coordinator</p>
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**Evaluate|t|e**  
EVALUATION RESOURCE CENTER for advanced technological education

**WESTERN MICHIGAN UNIVERSITY**  


**MARICOPA COMMUNITY COLLEGES**  


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## Objectives

1. Increase your understanding of logic models and how to use them for project planning and evaluation
2. Engage you in thinking about how to demonstrate success in your project
3. Orient you to the use of performance standards for a systematic evaluation process
4. Inspire you to join us in our efforts to develop an ATE evaluation community of practice

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## Logic Models



- Visual, one-page, depiction of program
- Roadmap to impacts
- Testable
- Communication tool

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**The Green Energy Technology (GET) Institute at Midwest Community College**

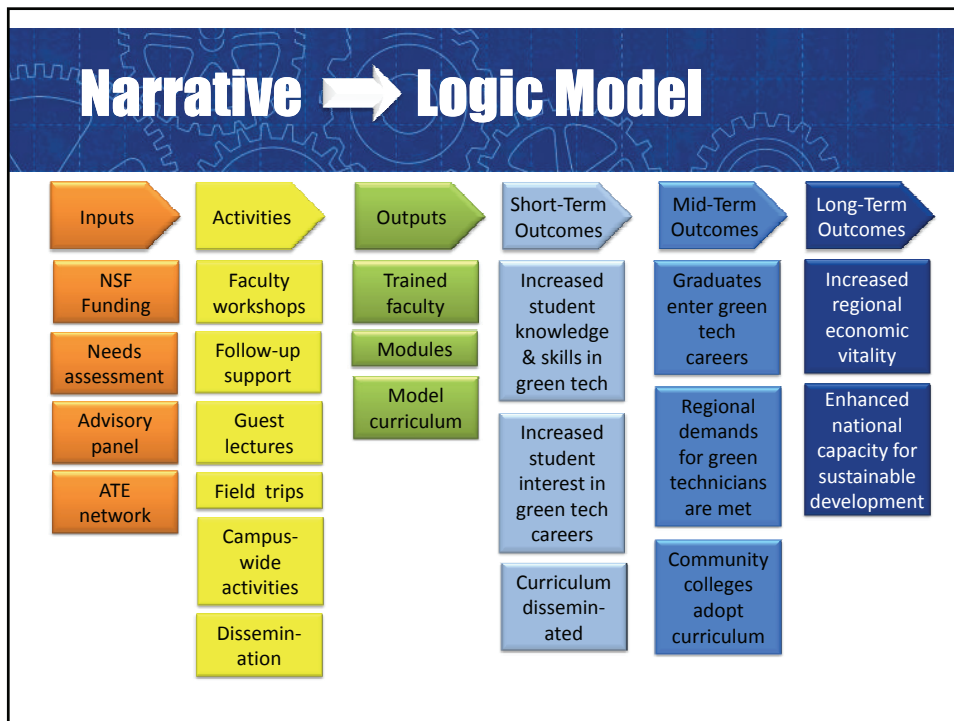
The GET Institute provides training for local college faculty and supports them in implementing a green energy technology module in their classrooms.

This project addresses regional workforce needs for green energy technology-related skills. Through the GET Institute, faculty are (1) trained in how to use basic green energy applications and receive support in designing and delivering instructional modules and (2) learn about green energy technology jobs in the region through guest lectures and industry field trips.


Several hundred students are using the green energy technology modules in classes taught by the faculty and are

becoming aware of green energy career opportunities. Green energy technology occupational information and learning experiences are also being included in a variety of campus-wide student activities, thus impacting the entire college.

The GET Institute also contributes to ongoing national efforts to develop models for incorporating green energy technology into existing community college curricula. In coordination with the ATE Green Center, this project is disseminating its findings to the broader academic community working to address the challenge of increasing knowledge of and interest in green energy technology occupations.



## Success Indicators




Observable, measurable information that tells us about the status or quality of something

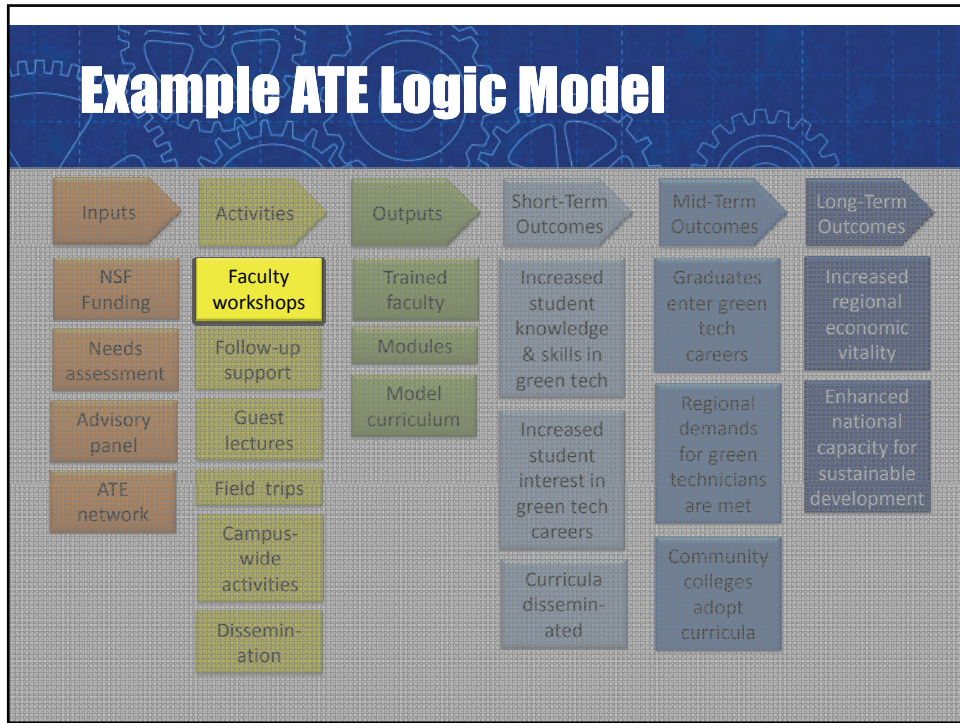
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## Success Indicators

- Operationalize logic model elements
- Identify signals of performance
- Guide data collection for evaluation



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## Activity Success Indicators

**Faculty workshops**

How can we measure our performance on this activity?

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## Activity Success Indicators

**Faculty workshops**

- Awareness of green energy technology
- Green energy technology knowledge increase
- Satisfaction with workshop
- Likelihood of use
- Number and percent complete
- Cost per participant

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**Faculty workshops**

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# Activity Success Indicators

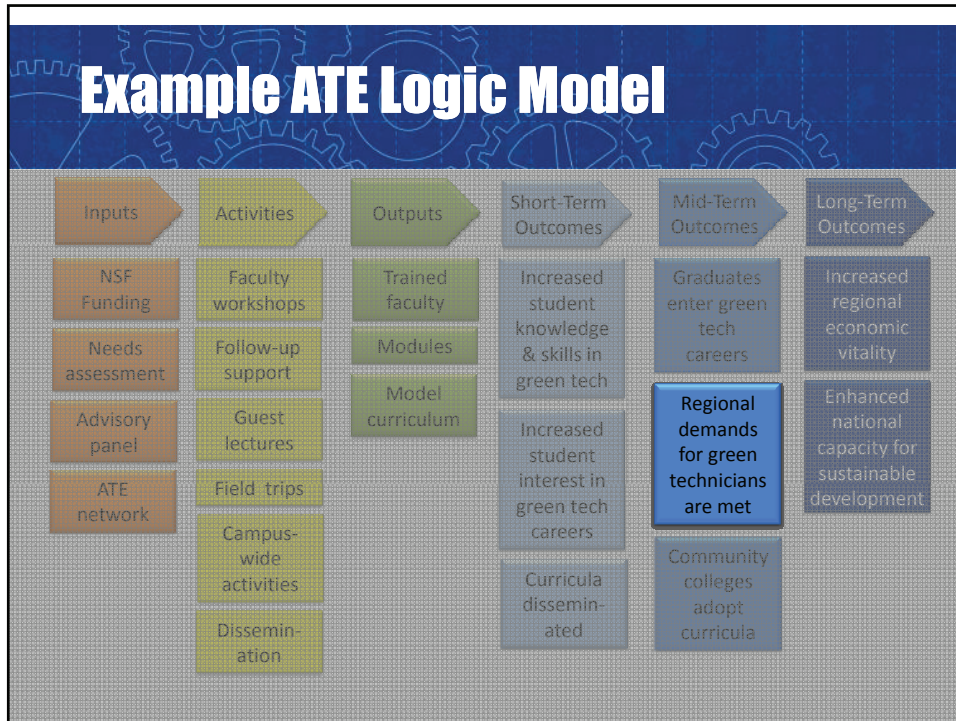
Indicator	Measure	Data Source
Green Energy Technology awareness	Survey	Participant self-report
Number and percent complete	Attendance & Invitation counts	Project records

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Name of Indicator:
<b>Description</b>
Precise definition(s):
Unit of measure:
Disaggregated by:
<b>Plan for Data Acquisition</b>
Data collection method and timing:
Original data source:
Estimated cost of data acquisition:
<b>Plan for Data Analysis, Review, and Reporting</b>
Data analysis and reporting:
<b>Data Quality Issues</b>
Known data limitations and significance:
Actions taken or planned to address data limitations:
<b>Other Notes</b>
Notes on baselines/targets:
Other notes:
<b>This sheet last updated on:</b>

Indicator  
Protocol  
Reference  
Sheet

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## Outcome Success Indicators

Regional demands for green technicians are met

How can we measure our performance on this outcome?

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## Outcome Success Indicators

Regional demands for green technicians are met

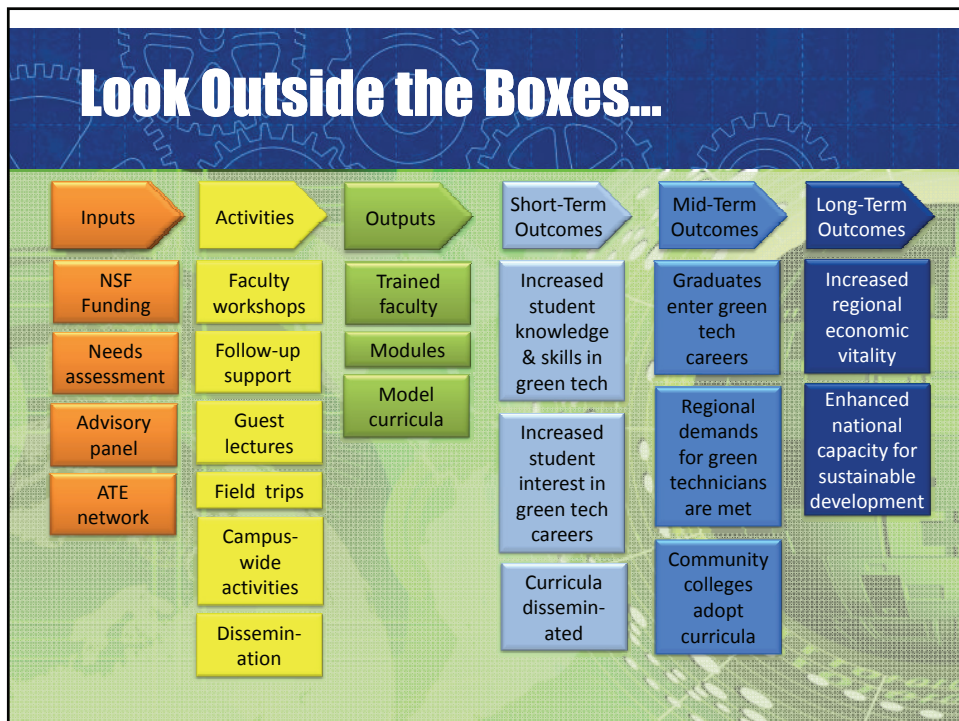
- Employer opinions
- Media reports
- Number of placements with regional employers

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## Outcome Success Indicators

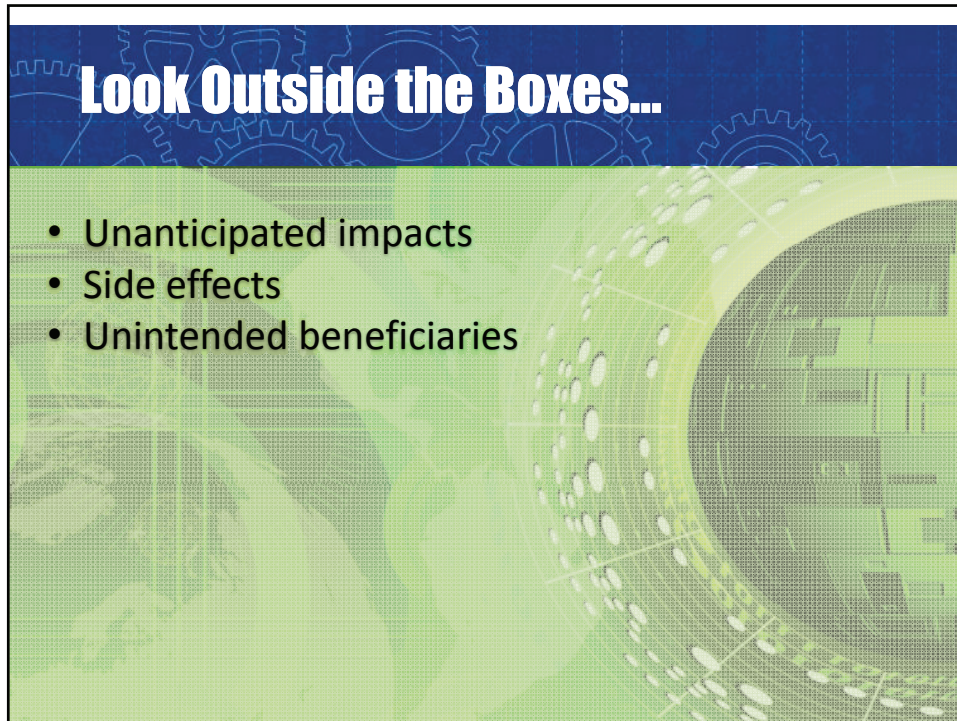
Indicator	Measure	Data Source
Employer opinions	Interviews	HR managers
Number of job placements	Survey	Graduates

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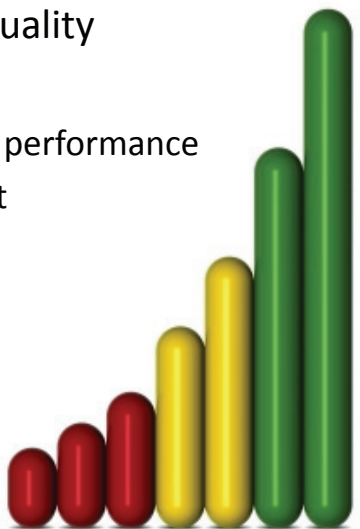
## Look Outside the Boxes...

- Unanticipated impacts
- Side effects
- Unintended beneficiaries



## Performance Standards

- Definition of performance quality
- May be articulated as
  - minimum level of acceptable performance
  - ratings, e.g., poor to excellent
  - grades



# Performance Standards



**Standard for "Normal"**

**Systolic <120  
&  
Diastolic <80**

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# Performance Standards Rubric

**Activity:** Faculty are trained

**Success Indicator:** Percentage of targeted faculty that completes training

**Performance Standards Rubric**

Excellent	Good	Fair	Poor
75% or more	50%-74%	25%-49%	Less than 25%

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# Why Use Standards?

**Aid in interpreting & reporting results**

*Fifteen science faculty at the college received training.*

*The project has done an admirable job of involving faculty.*

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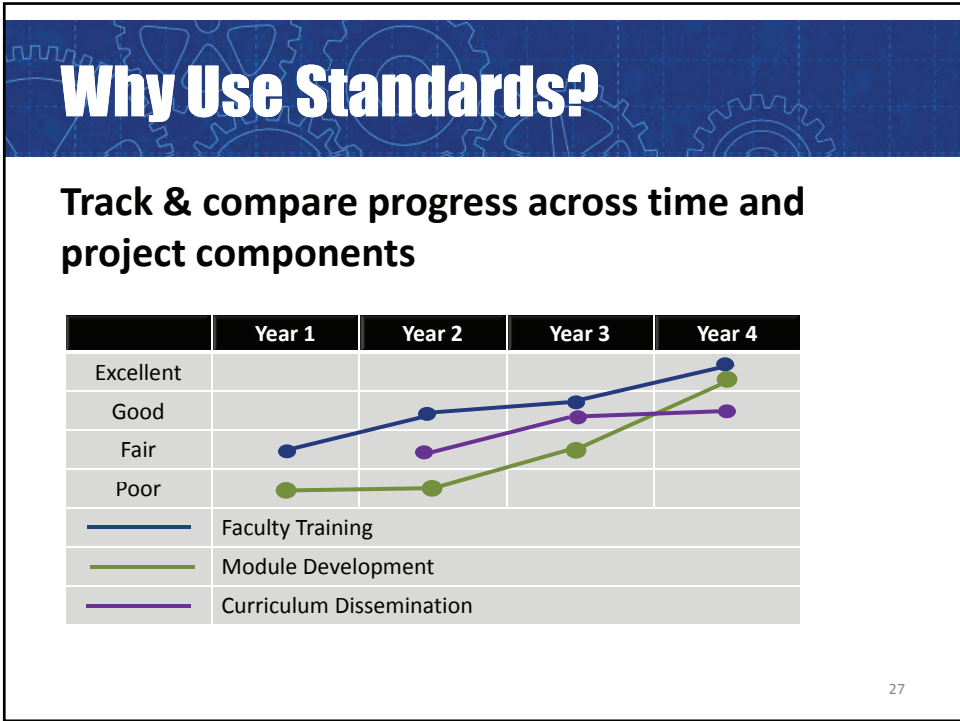
# Why Use Standards?

**Establish common and realistic understanding of what constitutes “success”**

The diagram illustrates four different perspectives on success, each represented by a person icon and a thought bubble:

- Evaluator:** They need to involve at least 95% of the faculty
- PI:** It's most important that new faculty participate
- Faculty member:** To deeply engage 5 instructors would be great
- Program officer:** They must reach out to faculty from other colleges

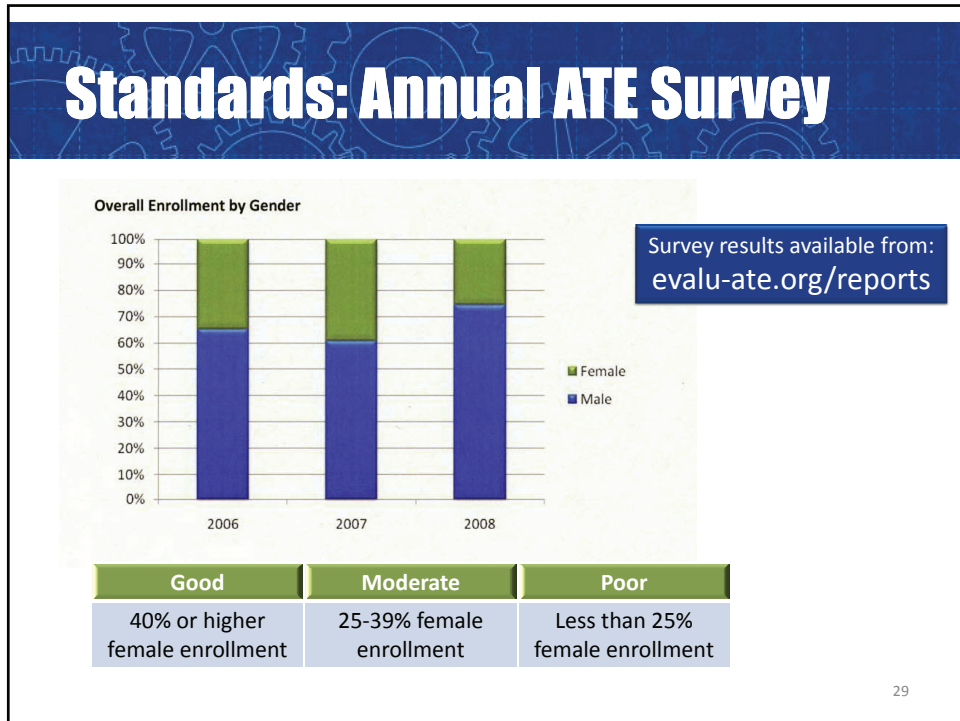
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## Sources for Standards

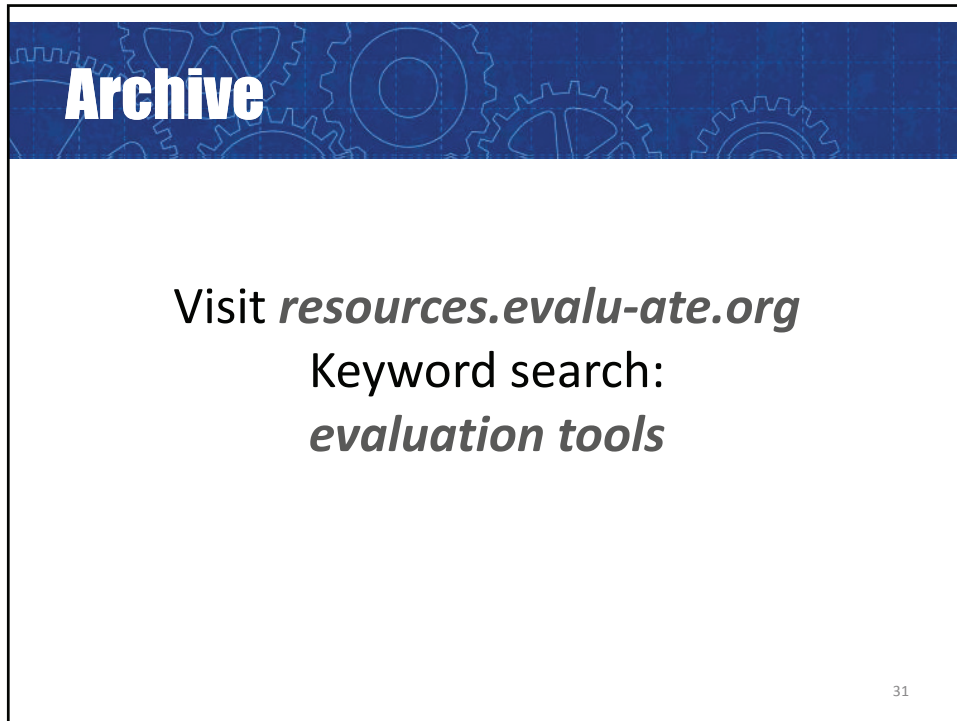
- National measures
- Research literature
- Staff experience, expertise, expectations
- Advisory board
- Funder
- Other grantees

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## Changing Standards

- Verify with all involved
- Revisit after:
  - ATE annual survey findings are published
  - Each evaluation cycle
  - Major milestones

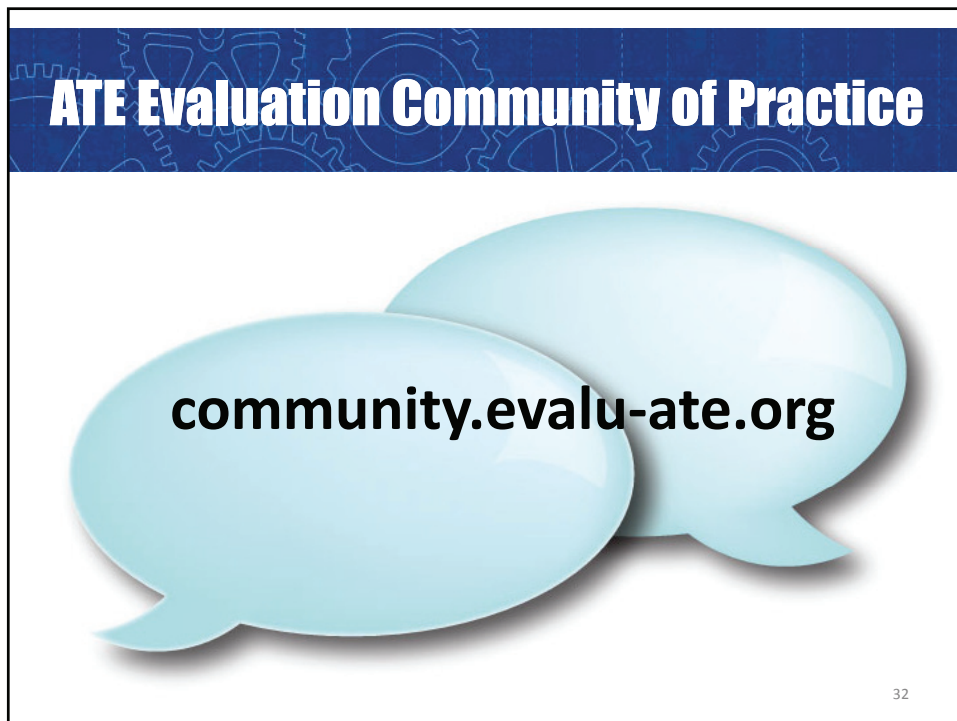


**Archive**

Visit *resources.evalu-ate.org*  
Keyword search:  
*evaluation tools*

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This slide features a blue header with a gear pattern and the word "Archive" in white. The main content is centered on a white background, providing a URL and a keyword search term. A small number "31" is in the bottom right corner.



**ATE Evaluation Community of Practice**

**community.evalu-ate.org**

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This slide features a blue header with a gear pattern and the text "ATE Evaluation Community of Practice" in white. Below the header, two overlapping light blue speech bubbles are shown, with the URL "community.evalu-ate.org" written in black inside the larger bubble. A small number "32" is in the bottom right corner.



## Upcoming Events



**Evaluat|e Workshop: February 4 & 5**  
*Professional Development Impact Evaluation*  
Rio Salado Community College, Tempe, AZ  
Joellen Killion, Presenter

**MATEC Webinar: February 12**  
*Evaluating Student Impact*

**Evaluat|e Webinar: March 17**  
*Evaluation Data*

Register at [www.evalu-ate.org/events](http://www.evalu-ate.org/events)<sub>33</sub>

## Thank You!

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