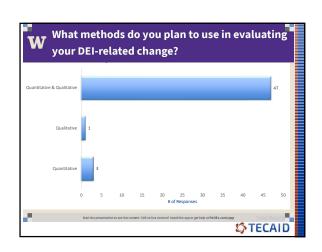


		mples	
OUTPUTS	SHORT-TERM	INTERMEDIATE	IMPACT
	OUTCOMES	OUTCOMES	
In Fall, 50 female	80% of Female	Female Engr100	Similar model
students	Engr100 students	students retained &	adopted at other
complete Engr100	continue on to take	graduate in the major	universities
course with	the next course	at higher rates than in	
inclusive		past	Adopters make
pedagogy	Increases in female		significant gains in
	self-efficacy	80% of faculty use	female enrollments
		inclusive pedagogy	and graduations in
		practices after 3 years	ENGR
			More women enter
			ENGR careers
			ENGIGEREETS





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Data Collection Methods

High Cost/Time

- Interviews
- Focus Groups
- Surveys

For your DEI change project, how will you collect your data? (select all that apply) 25 # of Responsed STECAID

Tips for Survey Creation

- Use single concept questions (not double-barreled)
- Use mutually exclusive categories
- Use recent time-referents
- Use both sides of the scale in the question stem
- Use equal # of positive and negative categories in scales
- Avoid vague quantifiers

See Survey Creation Tip Sheet

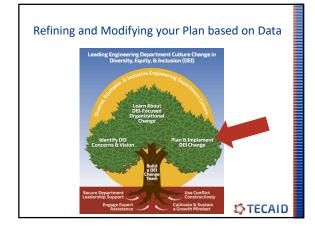
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Tips for Qualitative Data Collection

Qualitative data is scientific and methodical Anecdotes aren't scientific or methodical, but can still be useful Surveys can be qualitative too!

- Use an observation or interview protocol
- · Focus questions on the key areas of interest
- Allot time to analyze qualitative data (team meaning-making)





How Do I Use the Data?

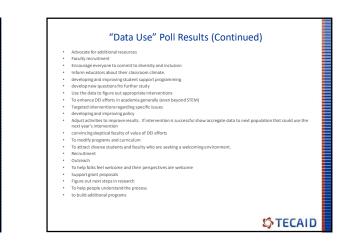
- Develop or modify an action plan
- · Share your results! (internally and externally)
 - Celebrate and recognize/legitimize work completed
 - Accreditation outcomes (ABET, etc.)
 - Current or future funders
 - Build and reinforce partnerships
 - Strategic planning
- · Supports a systemic rather than individual perspective
 - Other?

W In what other ways might you use your data?

challenge the traditional culture To make changes to non-discrimination laws? Now male faculty became so conny that along with female faculty who can make a change, they hire another female faculty who they have under their thumb. So the female faculty that is truly discriminated against cannot really file a discrimination charge.

- Love convincing skeptical faculty targeted interventions
- Use the data to develop appropriate interventions Project iteration
- Figure out why URM students are leaving
- To create trainings
- Showing change in order to inspire continued work in DEI, which often feels very slow and unproductive inform decision makers
- Gain community support for program
 Change the high sense of inadequacy amongst female engineering tech students
- increase awareness To gather feedback about inclusive pedagogy
- ш

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"Data Use" Poll Results (Continued) Develop new questions for further research consciousness raining Adverting/marketing? For resource allocation improving/emaile faculty climate Facilitated discussions To provide students feedback to encourge enrollment in graduate programs course development Sharing with other institutions who can learn from our work accreditato

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Key Take-Aways			
Guiding Questions	Take-Aways		
How do I get started?	Start with the end in mind. Use SMART goals.		
What kinds of questions should I ask?	Formative or summative or both? Outputs, outcomes, impact.		
What methods should I use?	Recognize benefits of qual. and quant. Consider user and focus.		
How do I use the data?	Help clarify the problem. Modify and refine action plan. Funders, partnerships, and visibility. Celebrate success.		
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What questions do you have? [Don't leave yet, W we have 2 more slides after this!]

- What are your thoughts on increasing the diversity that includes groups that are not traditionally "counted" .
- Nost universities are concern about increasing the number of minorities, but in a minority institution there is also the issue that people tend to think we are already diverse, but some of us think is not the case. Any comments on this?
- Can you give a successful example: data collection, intervention/action, improved • shown in next data cycle?
- I think all these studies end up hurting the minorities. The male faculty is smart enough, along with the women who can make a change, they hire women whom they have under their thumb. So a discrimination charge is very difficult to be brought about. What do you think?
- Do you have suggestions of a resource on best practices for inclusive pedagogies?
 Do you happen to have a list of tips to help us avoid creating a positive or negative bias on surveys?
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