

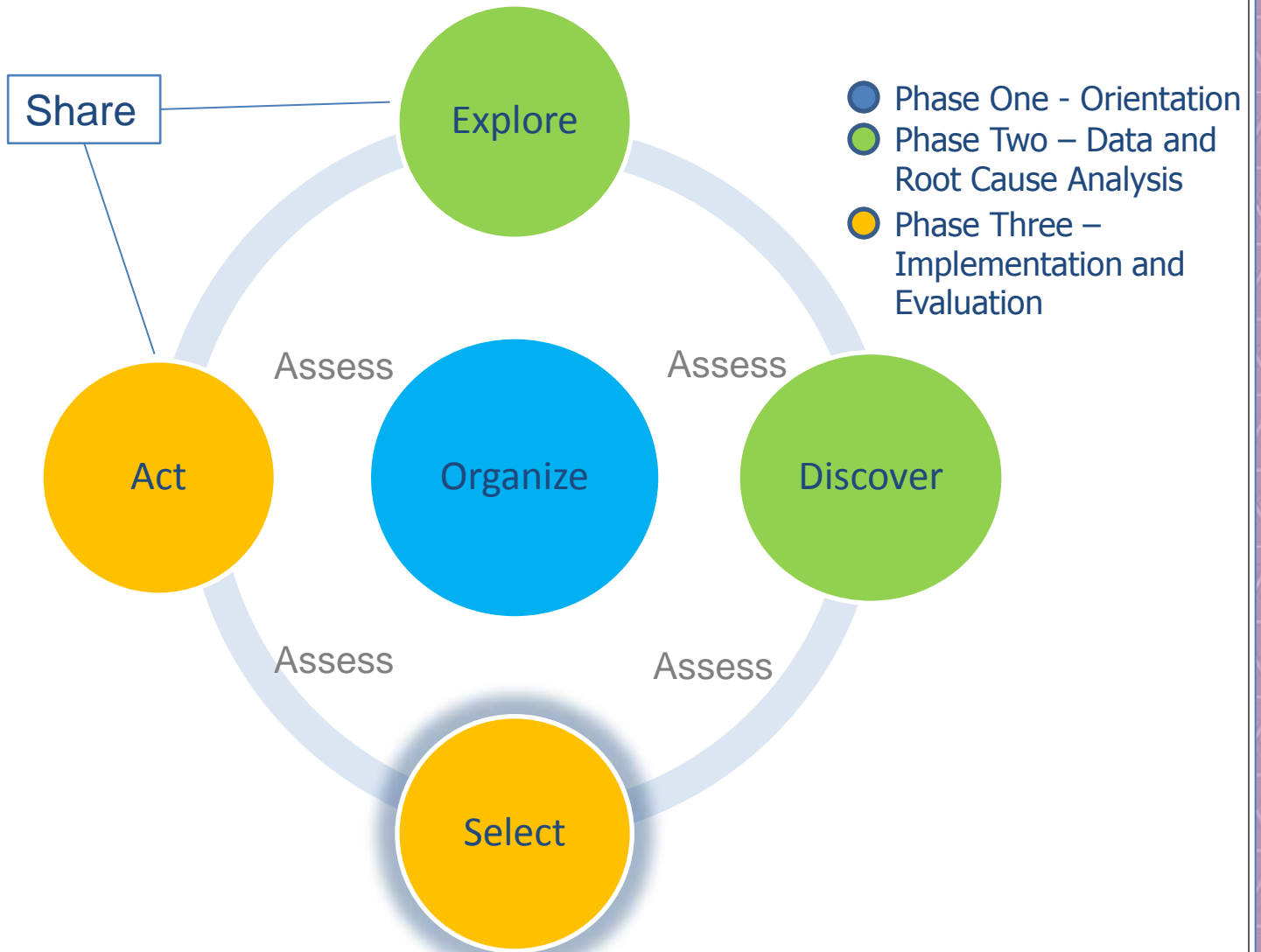


PIPESTEM™ SELECT

Program Improvement Process for Equity in
Science, Technology, Engineering, and Math™



Where We Are



What You'll Do



Identify
Strategies

Find
Resources

Assess
Policies
and
Practices

Prioritize
Strategies



PIPESTEM Implementation Plan

PHASE THREE: Identify Goals and Strategies for Implementation

Select and Act: Develop Goals and Strategies for Implementation

Identify your overall goal as a measurable increase in one or more factors in the identified program(s) based on your Root Cause Analysis. Feel free to edit the sample text included in the Goal box. Describe your selected strategy or activity and break it down into manageable tasks. Your selected strategy may include multiple activities. If so then you can add more Strategy table blocks. Identify who will be responsible for completing each and task and by when. For each strategy/activity identify both process and outcome objective measures.

Goal: By **date**, we will increase the percentage of female students in the **name of program** from **current participation or completion rate**% to **projected rate**%.

Research or Evidence-Based Strategy	Tasks	Person(s) Responsible	Timeline	Evaluation Measures	
				Process/Formative Measures (P)	Outcome/Summative measures (O)
1.1 Strategy or activity planned	1.1 task one	name	completion date	enter measures	enter measures
	1.2 task two	name	completion date		
	1.3 task three	name	completion date		
	1.4 task four	name	completion date		
	1.5 task five	name	completion date		
	1.6 task six	name	completion date		
	1.7 task seven	name	completion date		
	1.8 task eight	name	completion date		

Update the Implementation Plan with your goal.



How We Know Strategies are Successful

How do you evaluate strategies and models?

How do you identify possible strategies and model practices?



How do you compare and assess alternative solutions and make a decision?

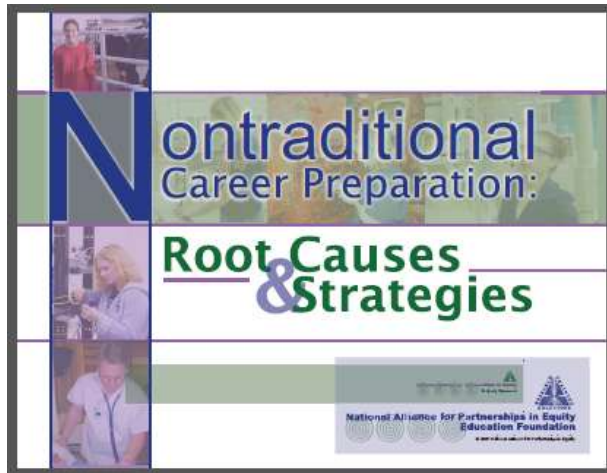
Don't be too quick to adopt best practices before getting the facts straight!



Ways to Identify Potential Resources



<http://www.wepanknowledgecenter.org/home>



<http://www.ngcproject.org>



Activity

Which strategies are:

- high-cost, high-effort?
- low-cost, low-effort?
- appealing to you, and why?



SWOT Analysis



S

Strengths

- Characteristics of the strategy that give it an advantage over others

W

Weaknesses

- Characteristics that place the strategy at a disadvantage relative to others

O

Opportunities

- *External* events that would leverage the strategy into higher yields

T

Threats

- *External* events that would jeopardize the success of the strategy



During Your SWOT Analysis...

- Sound Theory
- Strong Evidence
- Costs/Time of Further Testing
- Resources
- Stakeholder Support
- Failure is Expensive
- Select a Full Range of Choices





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What strategy will your group implement at your institution?



Reflections

