



N A P E

New Hampshire STEM Equity Pipeline

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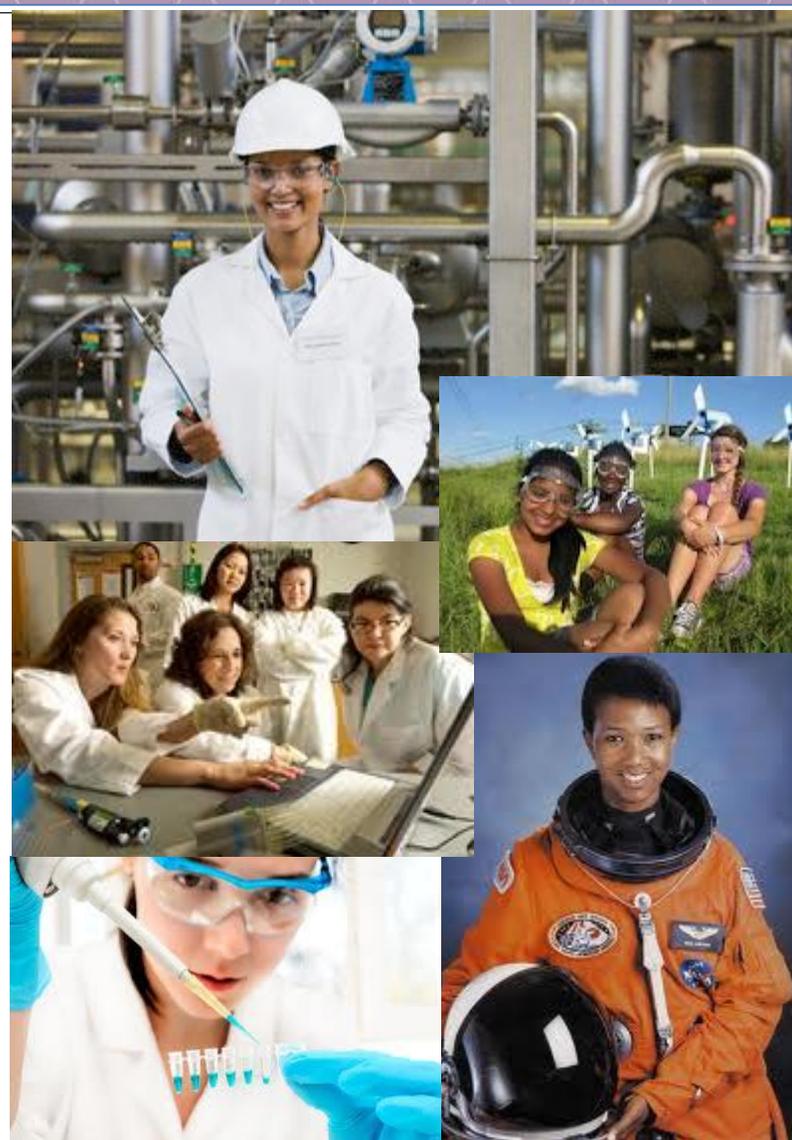
N A P E

Goals

- “ Build the capacity of the formal education community to implement research-based practices through professional development
- “ Institutionalize the practices by connecting to accountability systems
- “ Broaden the commitment to gender equity in STEM



Increase the participation and completion of women and girls in STEM related programs of study at the high school and community college level





NAPEE

How we define STEM





Connection to Perkins Act

- “ Programs and services to increase access and success of special population students
- “ Nontraditional career preparation
- “ Meeting the core indicators
 - . Increasing participation and completion of underrepresented gender students in nontraditional career preparation



Perkins Act Definitions

The term “non-traditional fields” means occupations or fields of work, including careers in computer science, technology and other current and emerging high skill occupations, for which individuals from one gender comprise less than 25 percent of the individuals employed in each such occupation or field of work.



Perkins Act Definitions

Special Populations

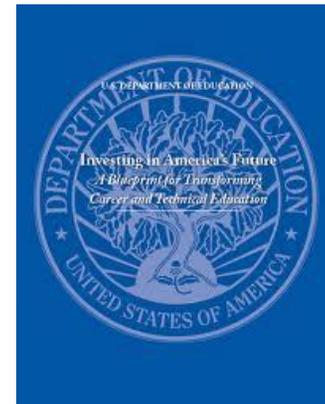
- ” Single parents, single pregnant women*
- ” Displaced homemakers*
- ” Students pursuing nontraditional careers*
- ” Students with a disability*
- ” English language learners*
- ” Economically disadvantaged, including foster children*



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Perkins Reauthorization

- “ Possibly in 2013
- “ U.S. Department of Education, Office of Vocational and Adult Education
- “ Investing in America’s Future: A Blueprint for Transforming Career and Technical Education
 - . Closing Equity Gaps





NAPEE

Why do we care?

- “ Global competitiveness
- “ Innovation
- “ Workforce development
- “ Economic self-sufficiency
- “ Career satisfaction





NAPE

Model

National Advisory Board
Advice and Resources Disemination

Extension Services Group
Professional Development, Technical Assistance, Consulting, Best Practices

State Teams
Professional Development
Technical Assistance

Local Educators
Process Improvement
Best Practices Implementation

National Advisory Board

Extension Services Group

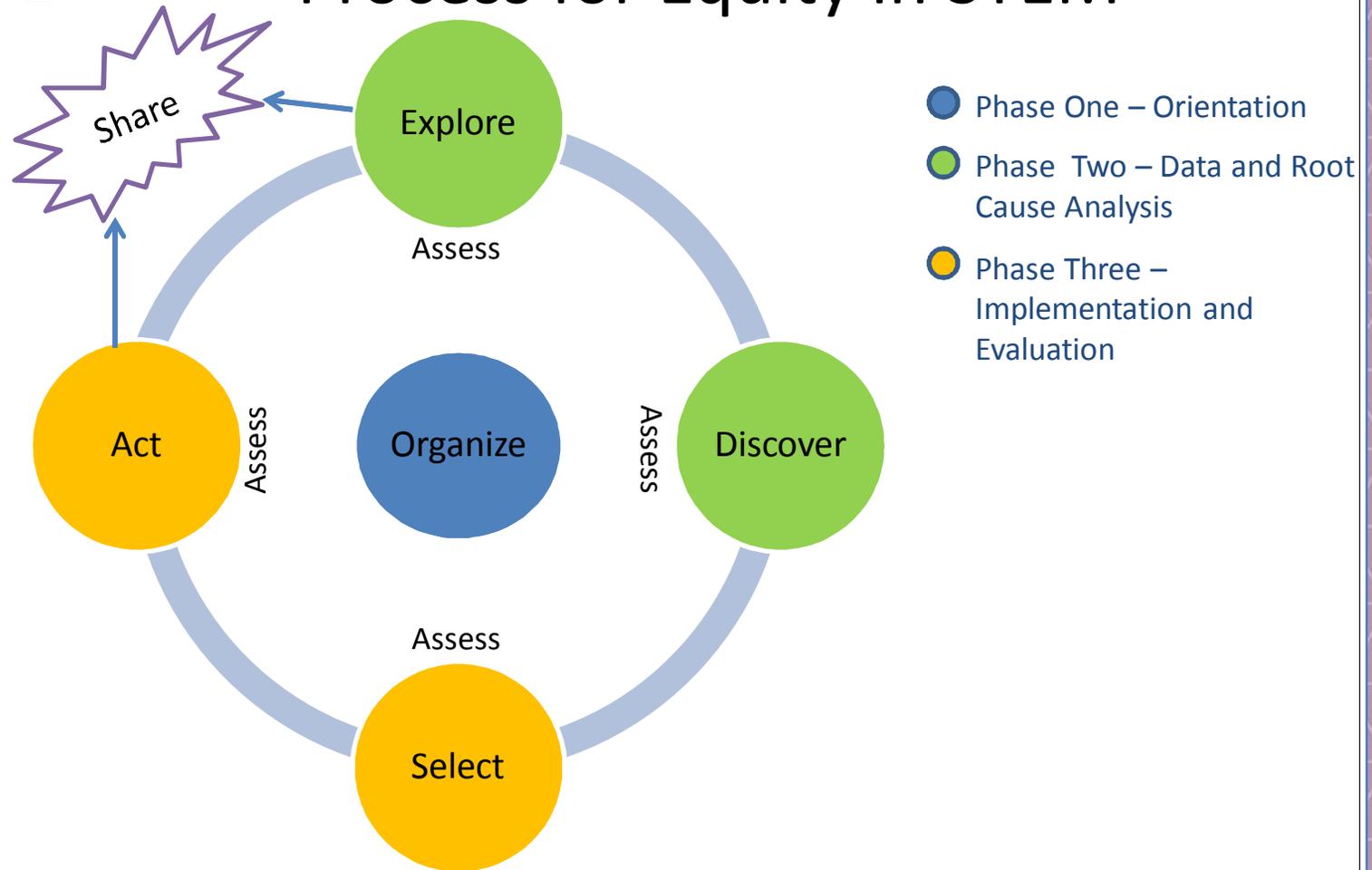
State Teams

Local Educators

(VLC) Virtual Learning Community
Evaluation and Customer Service
Feedback, Online Courses, Webcasts,
Website, Listserv, Resources, Links



PIPE-STEM: Program Improvement Process for Equity in STEM





PIPE-STEM – Phase I

” Organize

- . Identify and invite pipeline team
- . Orient the team to the process
- . Build commitment
- . Collect data



PIPE-STEM – Phase II

” Explore

- . Understand the status of URG in STEM
- . Conduct a performance gap analysis

” Discover

- . Learn the research on root causes
- . Create action research plan
- . Identify root causes



PIPE-STEM – Phase III

” Select

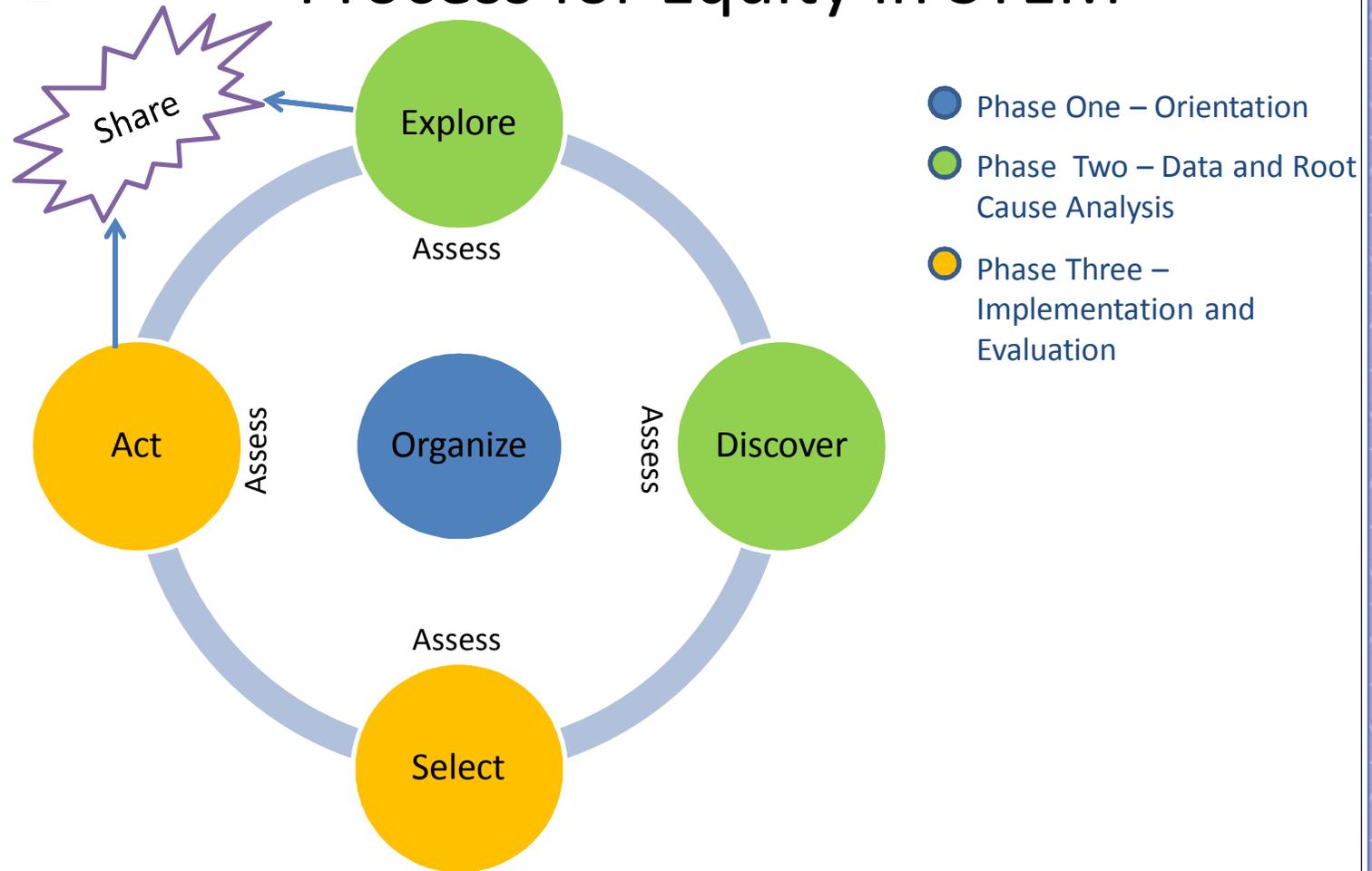
- . Align root causes with research-based strategies
- . Select a feasible strategy

” Act

- . Understand evaluation methods
- . Create an implementation and evaluation plan



PIPE-STEM: Program Improvement Process for Equity in STEM





Performance Gap Analysis

- “ Compare your schools performance to other schools and the state average
- “ Compare a program at your school to that programs state average
- “ Data sheets

2010-11 Salmon

2009-10 Yellow

2008-09 Green

2007-08 Blue



Resources

www.napequity.org

www.stemequitypipeline.org



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Questions ??

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