



Scaling for Sustainability Using Research Evidence

CEEDAR Cross State Convening

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Implementation Science Defined

Implement = Use

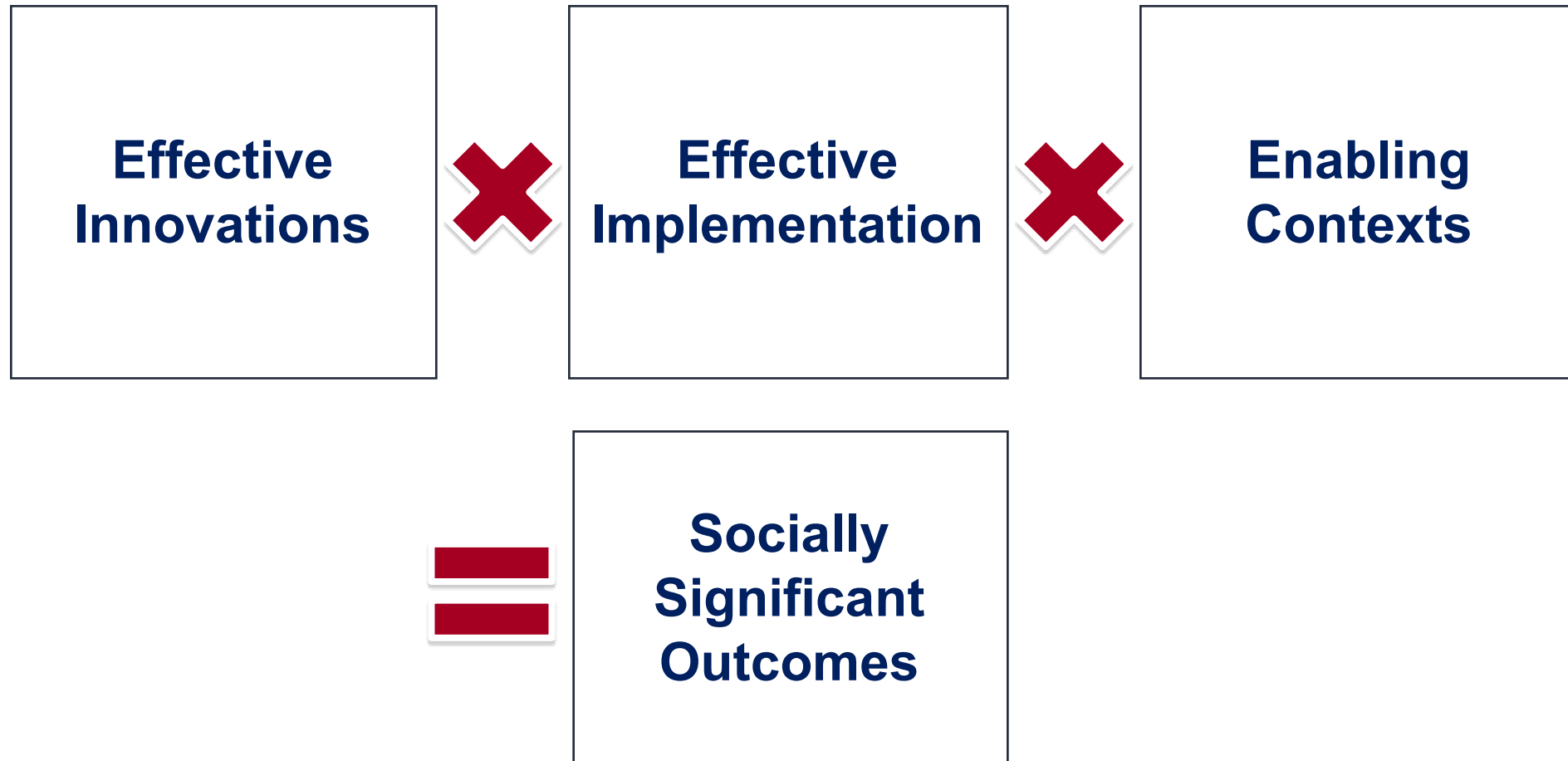
🚩 **Implementation Science = The study of factors that influence the full and effective use of innovations in practice**

🚩 **The goal is not to answer factual questions about what is, but to determine what is required (mission driven)**

🚩 **From asking “What can we do with what we have?” to asking “What will it take to do what needs to be done?” (William Foege, 2011)**

Impact and Sustainability Factors

Formula for Success

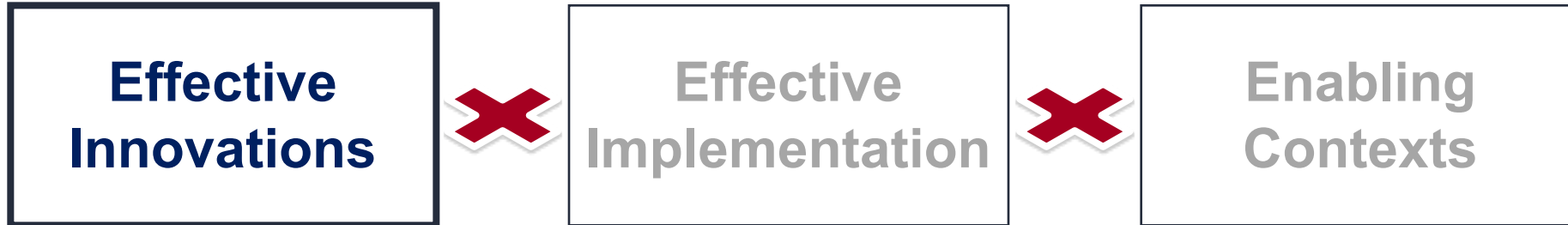


Impact and Sustainability Factors

Formula for Success



Sustaining Innovations



🚩 **About 18% of outcome studies (N=1,200) assessed the independent variable (“it”)**

🚩 **About 7% linked essential components with fidelity and then outcomes**

Moncher & Prinz, 1991; Gresham, et al., 1993; Dane & Schneider, 1998; Durlak & DuPre, 2008

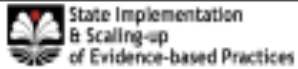
OTISS Fidelity Measure

Observation Tool for Instructional Supports and
Systems (OTISS)

Walk Through and Observation Form

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2015 v 7.0

Purpose:
To assess the
quality of
systems and
supports
available to **help**
teachers use best
practices for
instruction.

Provides accountability for
Implementation Team

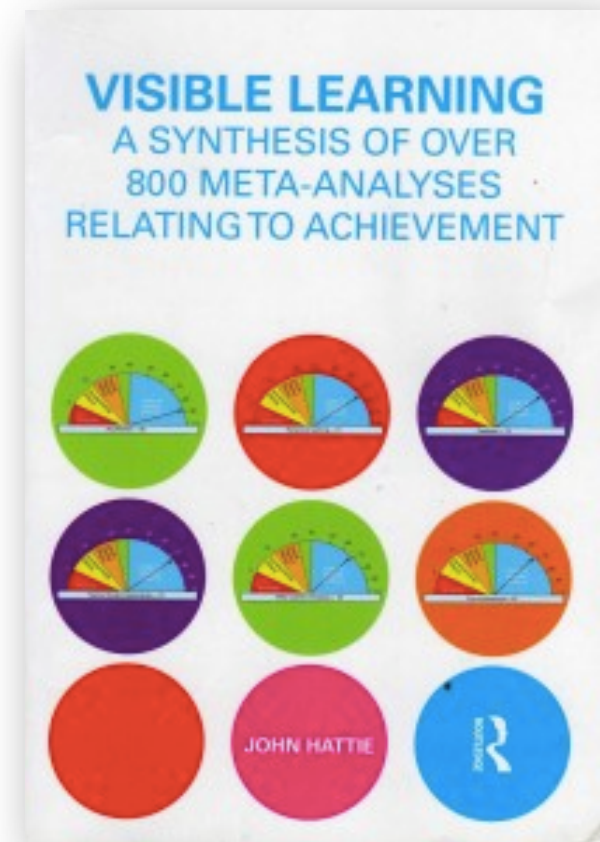
Not a
Teacher
Evaluation



Research Basis of Items

7 evidence-based Instructional Practices that were:

- **Highly correlated** with student learning
- **Observable** in 10-minute segments of instruction
- **Not event/time** related.

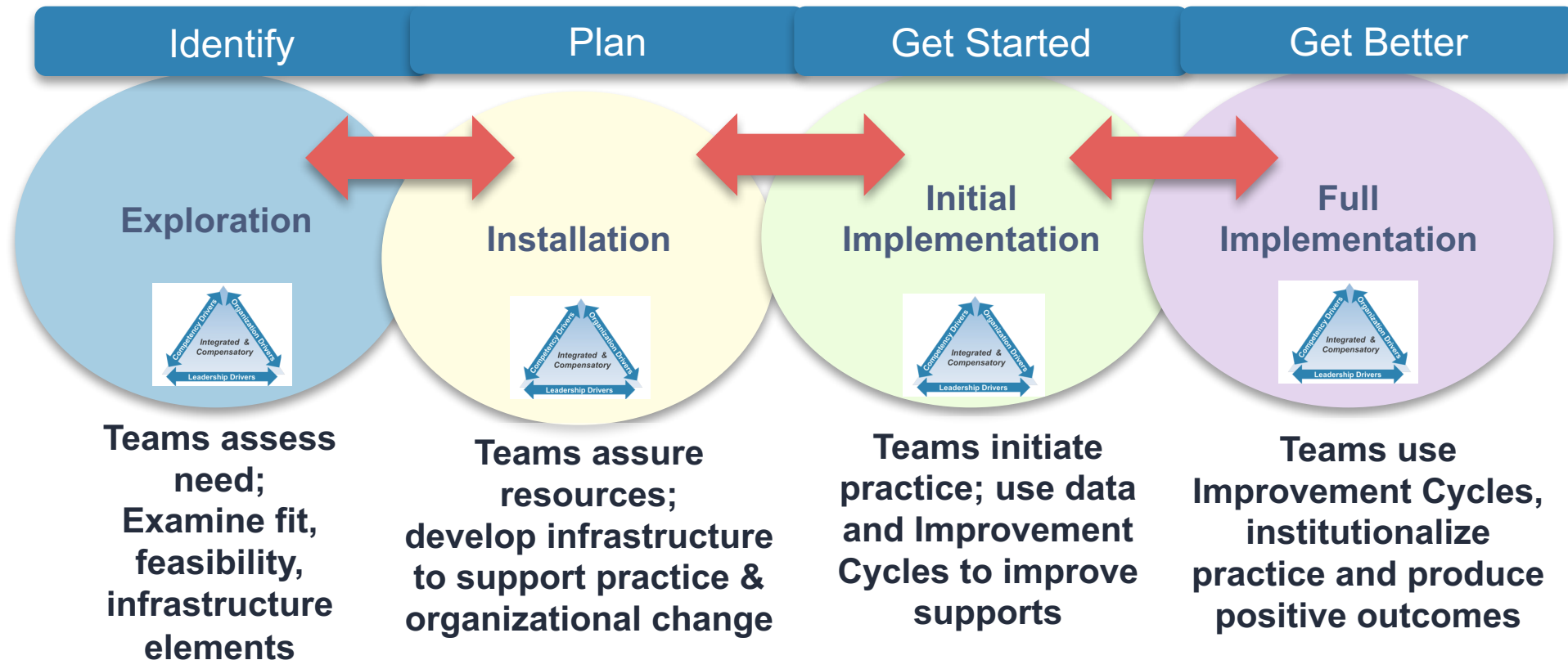


Visible Learning

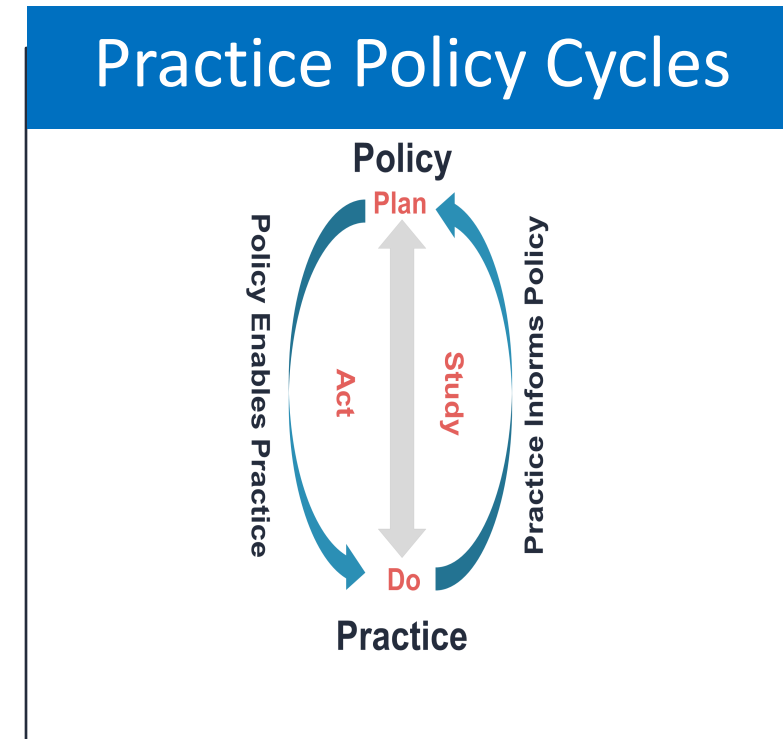
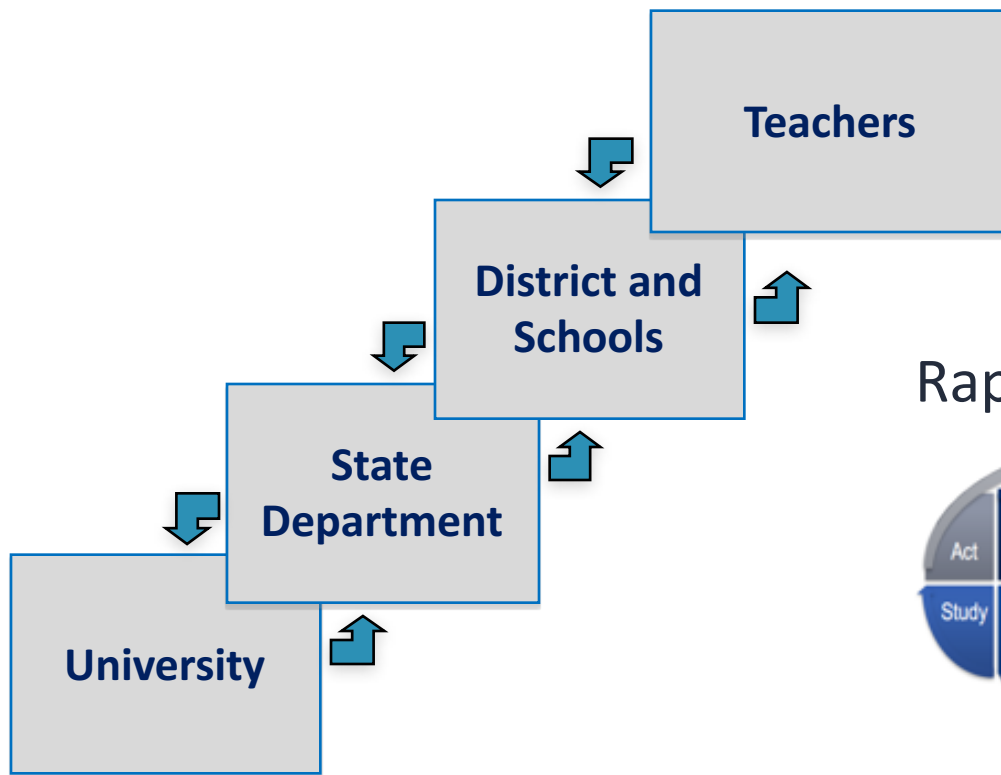
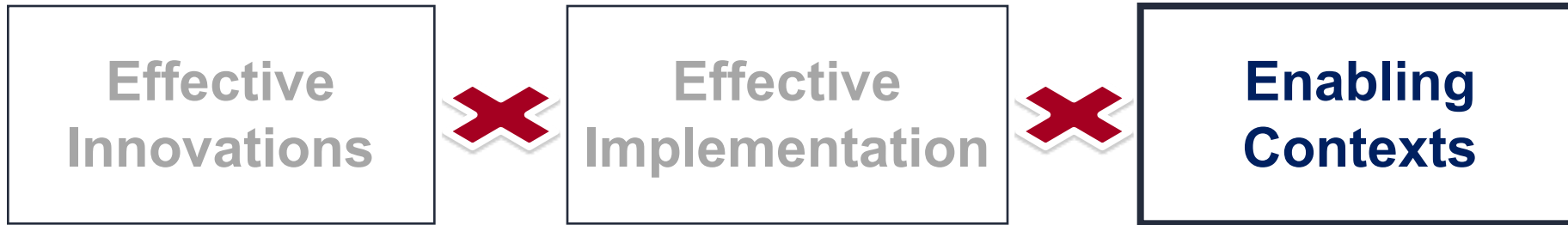
(Hattie, 2009)

Meta-analysis of over 800 meta-analyses including over 50,000 studies related to student achievement

Sustaining Innovations

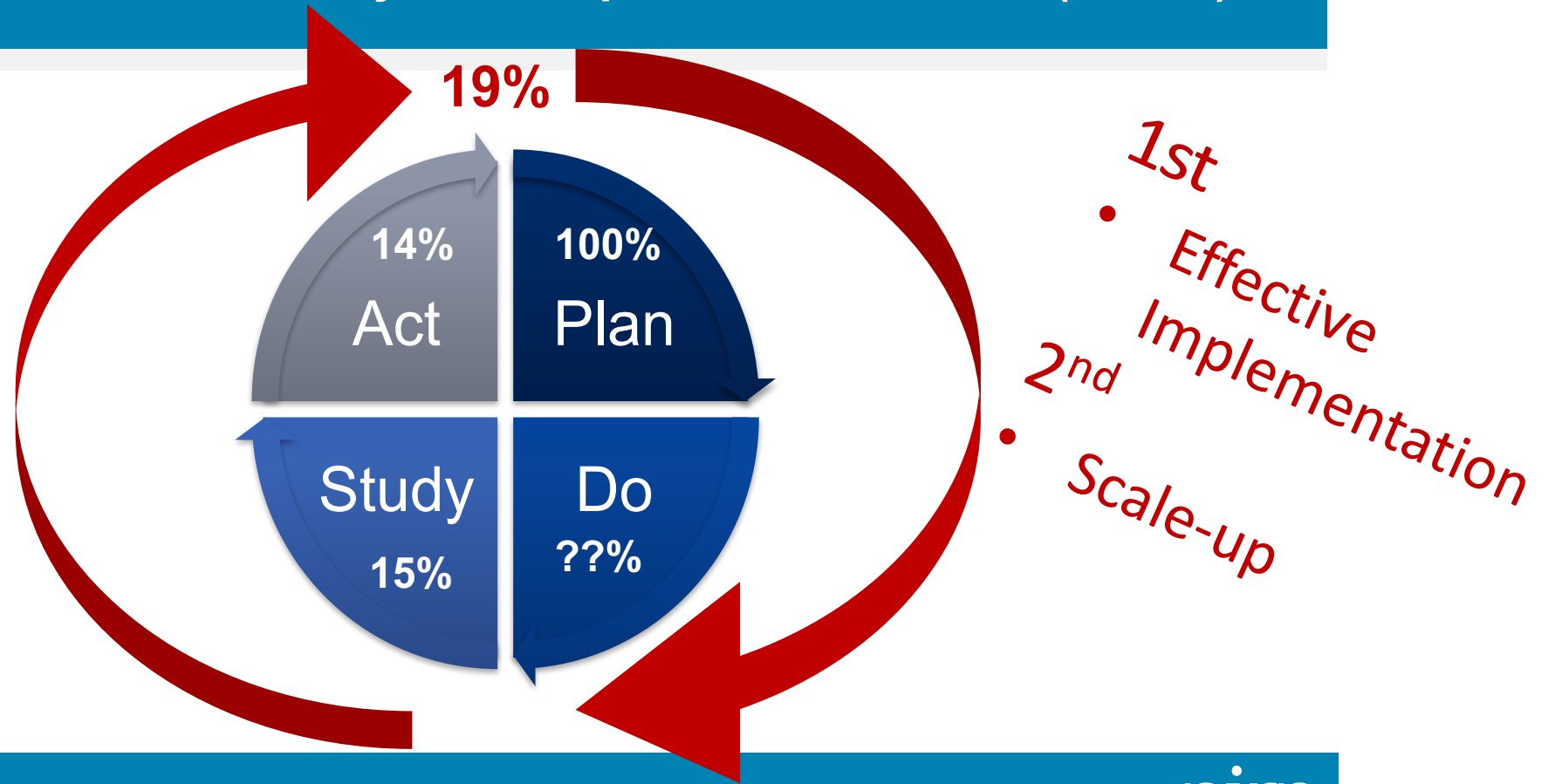


Sustaining Innovations



Outcomes from a Meta-analysis of Improvement Studies (N = 73)

*“The fault
cannot lie in the
part responsible
for the repair.”
Ashby (1956)*



Convergence in the New Millennium

1. Innovation Science
2. Implementation Science
3. Improvement Science
4. Systems Dynamics
5. Complexity Theory

Social impact factors are universal (like gravity) and apply equally to any human service sector

Co-Creation



Imagine a Better
Future for Those
We Serve

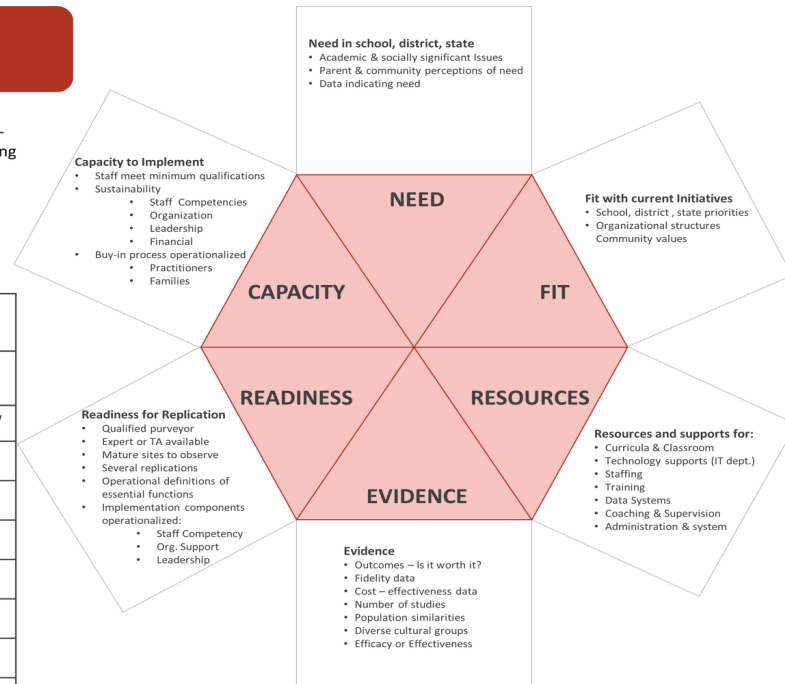
Resources You Can Use

Hexagon

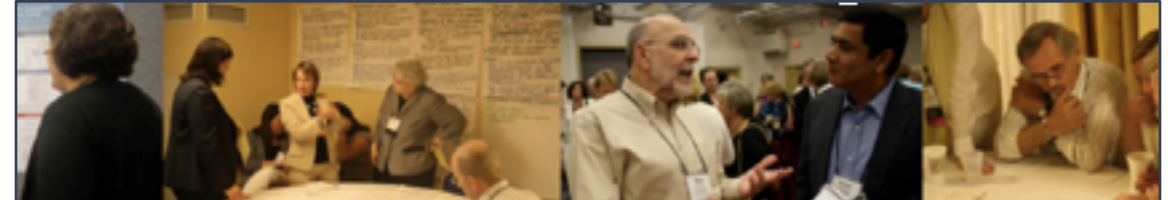
The Hexagon Tool Exploring Context

The Hexagon Tool can be used as a planning tool to evaluate evidence-based programs and practices during the Exploration Stage of Implementation.

See the Active Implementation Hub Resource Library
<http://implementation.fpg.unc.edu>



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Adapted from work by Laurel J. Kiser, Michelle Zabel, Albert A. Zachik, and Joan Smith (2007)



Stages of Implementation Analysis Where are we?



Implementation Drivers Assessing Best Practice

Implementation Practice and Science

- 🚩 **The Active Implementation Frameworks guide work in the field**
- 🚩 **Work in the field creates a learning laboratory:
Examined experience (PDSAC) and applied research**
- 🚩 **Examined experience (PDSAC) and research in the field
lead to more evidence-based approaches to
implementation**
- 🚩 **A Virtuous Cycle**

Get Started

A set of quick start videos and guides developed to help you and your team get started with Active Implementation.

Implementation

- ✚ Quick Start (see more)
- ✚ Video Introduction (see more)

The AI Hub

- ✚ Quick Start (see more)
- ✚ Video Introduction (see more)

Learning

- ✚ Quick Start (see more)
- ✚ Learning Plan (see more)

Get Better

Learning materials, tools and work spaces designed to give you and your team deeper dives into Active Implementation.

Modules & Lessons

Self-paced content, activities and assessments designed to promote the knowledge and practice of implementation science and scaling-up.

[Go there >](#)

Resource Library

A searchable listing of evaluation & planning tools, handouts, activities and more.

[Go there >](#)

Workgroups

An area to help groups work together to learn, try and apply new active implementation skills.

[Go there >](#)

The Active Implementation Hub is a free, online learning environment for use by any stakeholder — practitioners, educators, coaches, trainers, purveyors — involved in active implementation and scaling up of programs and innovations.

<http://implementation.fpg.unc.edu/>

For More Information



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<http://nirn.fpg.unc.edu/>
www.scalingup.org
www.globalimplementation.org

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The mission of the National Implementation Research Network (NIRN) is to contribute to the best practices and science of implementation, organization change, and system reinvention to improve outcomes across the spectrum of human services.