



# Think Tank: Capturing, Evaluating, and Incorporating Practice-based Evidence

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# Think Tank

- **Description:** Forum for dialogue around a particular challenge in dissemination or implementation research
- **Primary goal:** stimulate exchange of perspectives and ideas around a common challenge
- **Focus:** exploration of different approaches to resolutions; no expectations for resolution, only enlightenment

# Our Dilemma

How to:

- Facilitate, collect, and evaluate practice-based evidence or discovery  
or
- Catalyze dialogue among those developing or disseminating interventions and those responsible for implementing them in the field

# Session Overview

- Overview and example of Translation Schematic (organizing framework)
- Small Group Discussions:
  - ◆ Effectiveness/Implementation Research
  - ◆ Transforming Knowledge into Products
  - ◆ Dissemination/Engagement and Adoption Decision
- Small Group Report-outs:
  - ◆ What feedback necessary
  - ◆ Why is it important
  - ◆ How would you obtain it
- Discussion summary and wrap up

# NCCDPHP's Translation Schematic

- Product of CDC Chronic Disease Center (NCCDPHP) Work Group on Translation (WGOT)
  - ◆ Science and Program staff with common interest in translation
  - ◆ All NCCDPHP Divisions and Programs represented
  - ◆ Discovered we needed a common language and conceptualization of translation
- Use Translation as umbrella term: the process and steps taken to ensure effective and widespread use of evidence-based programs, practices, and policies.

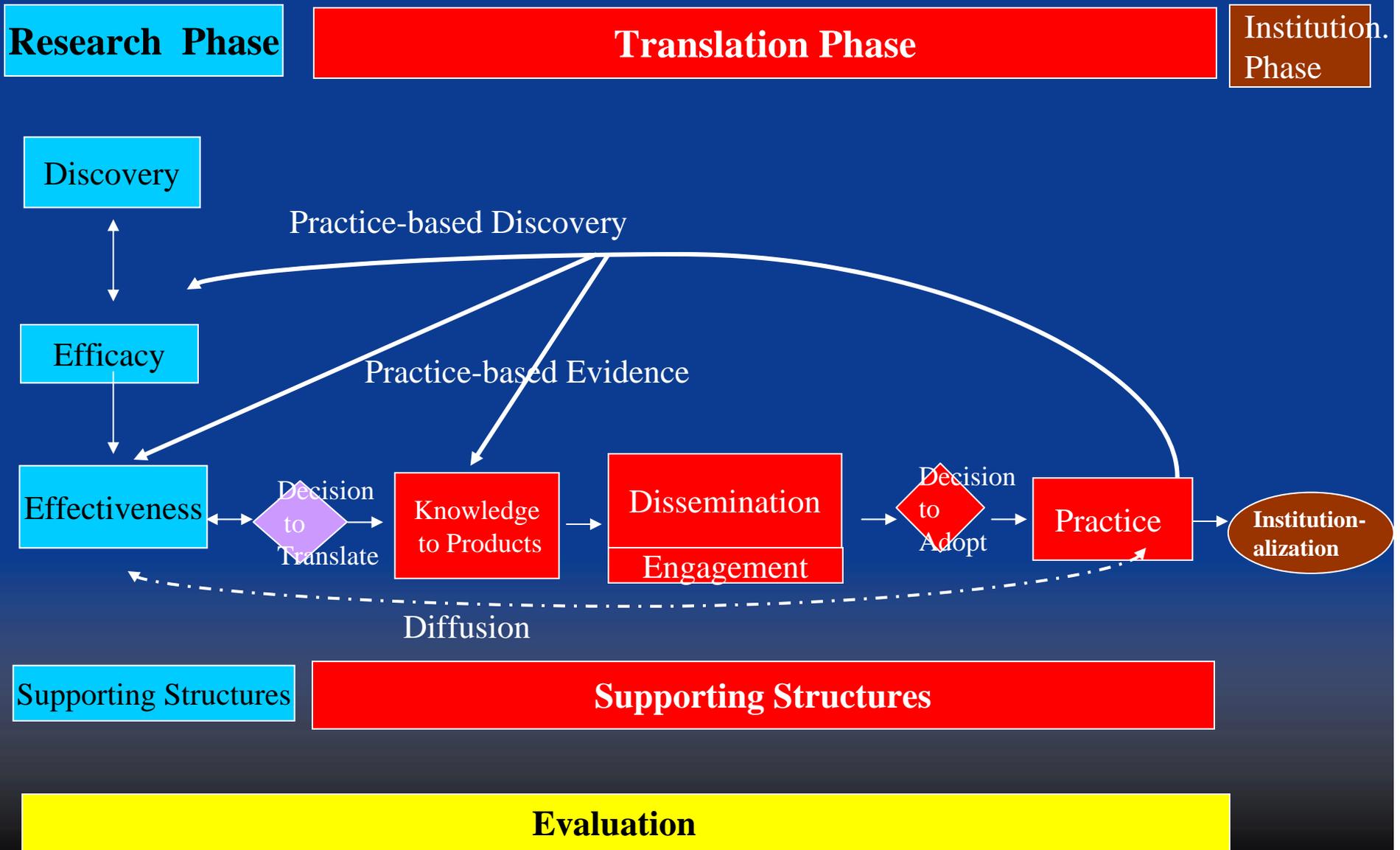
# WGoT Products

- Translation Schematic
  - ◆ key processes required to move scientific discovery into widespread public health practice
- Glossary
  - ◆ Descriptions of how terms are used in the schematic

# Purposes of the Translation Schematic

- Identify fundamental elements of the translation process.
- Increase ability to communicate in a consistent way internally and externally.
- Facilitate cross-division collaboration in translation work.

# NCCDPHP Translation Schematic



# Translation Schematic

Is NOT

- A theoretical framework
- Linear (but we are restricted to 2-D)

Does NOT proscribe

- “Adequate evidence”
- Specific activities

# Translation Schematic

- Captures processes at the 20,000' high level.
  - ◆ More detailed descriptions likely to vary by division.
- Applies regardless of disease/condition or type of intervention.
- Incorporates activities of both the research and practice communities.
- Can be read left to right or right to left.
- Living document; likely to evolve as we understand more about translation.

# NCCDPHP Translation Schematic

**Research Phase**

**Translation Phase**

Institution.  
Phase

# NCCDPHP Translation Schematic

**Research Phase**

**Translation Phase**

**Institution.  
Phase**

Discovery



Efficacy



Effectiveness

Supporting Structures

Institution-  
alization

# NCCDPHP Translation Schematic



# NCCDPHP Translation Schematic

Research Phase

Translation Phase

Institution.  
Phase

Discovery

Efficacy

Effectiveness

Implement  
ation

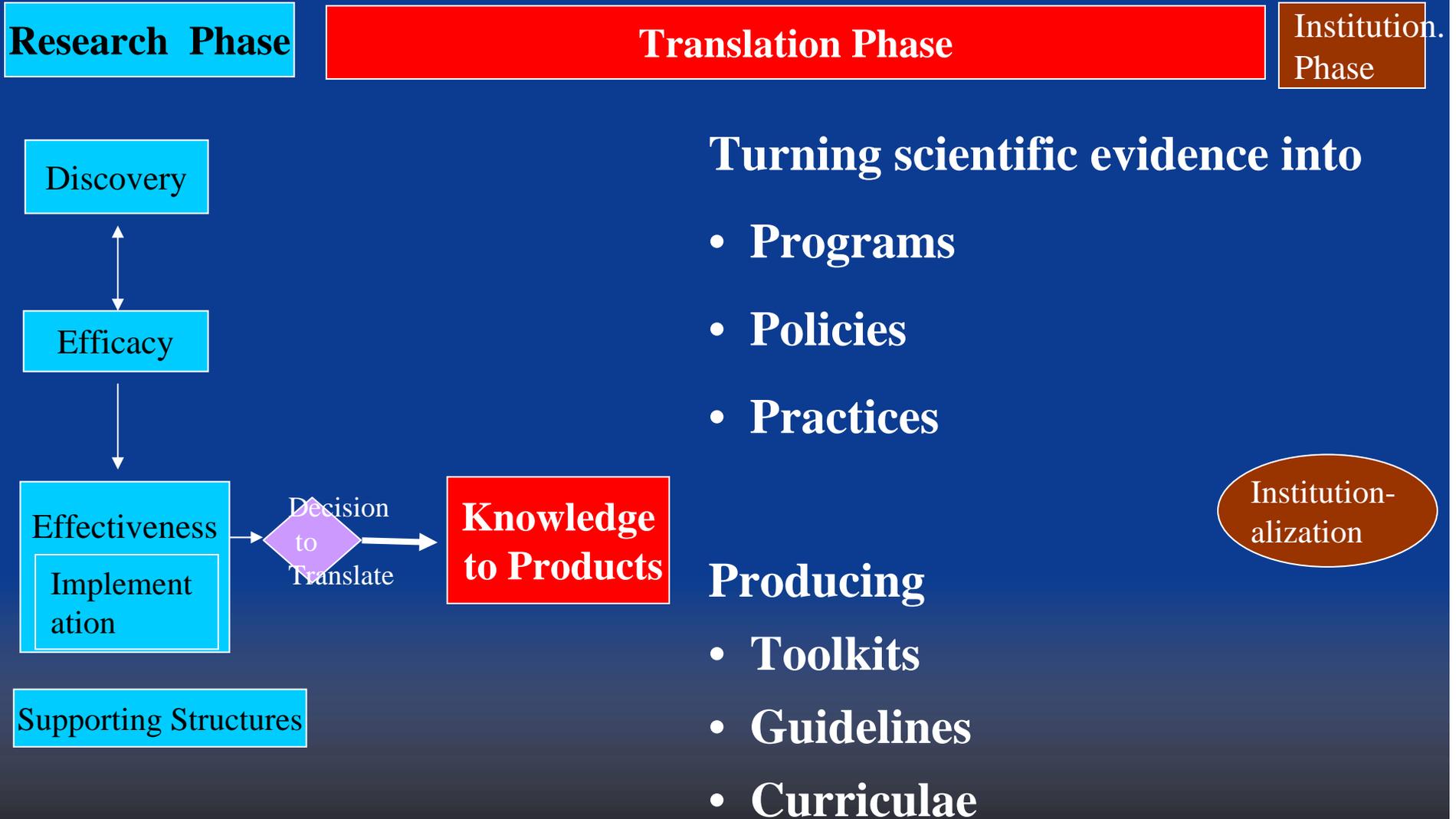
Decision  
to  
Translate

- Decision to create actionable product
- Decision to propel program, policy, practice into wide-spread use

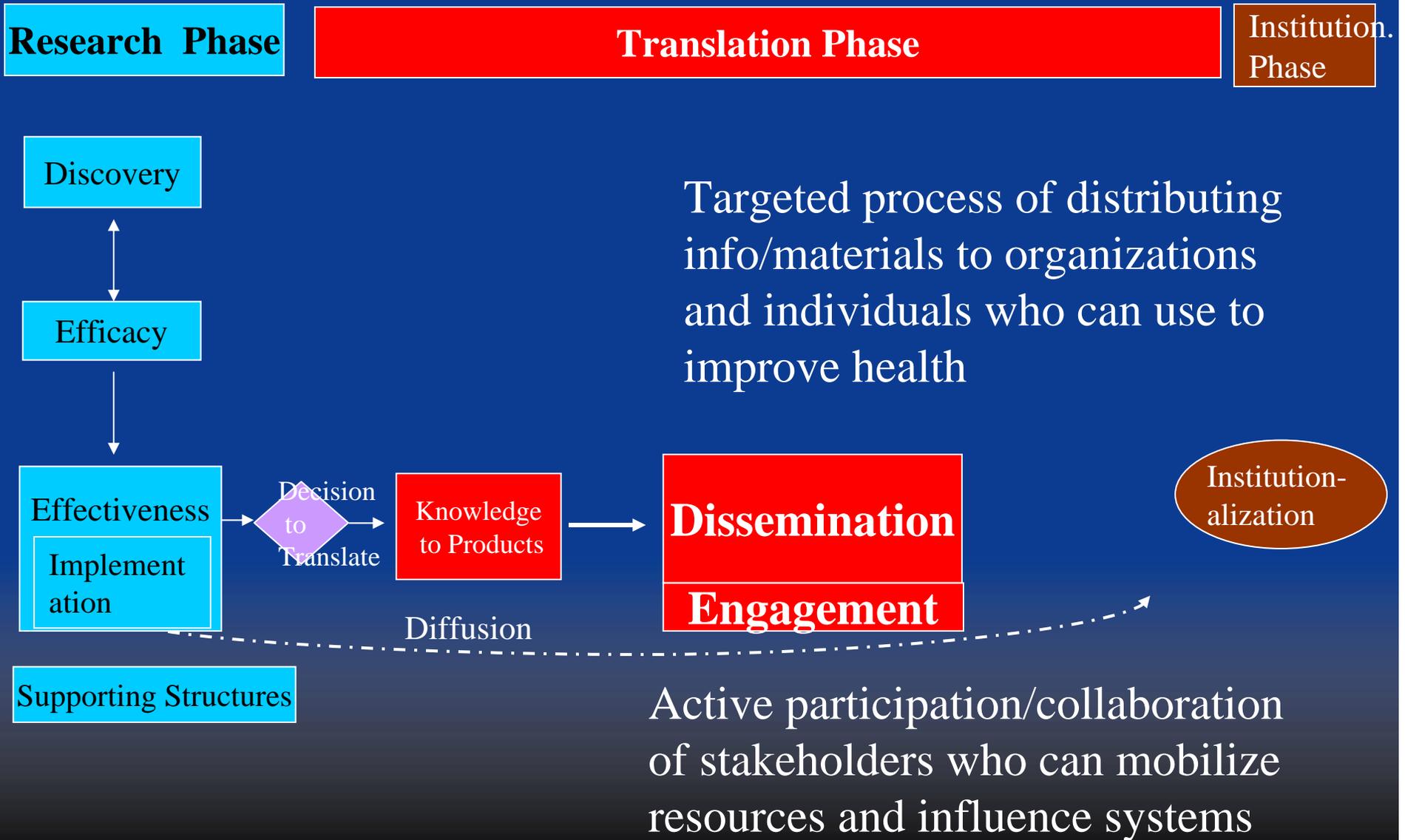
Institution-  
alization

Supporting Structures

# NCCDPHP Translation Schematic



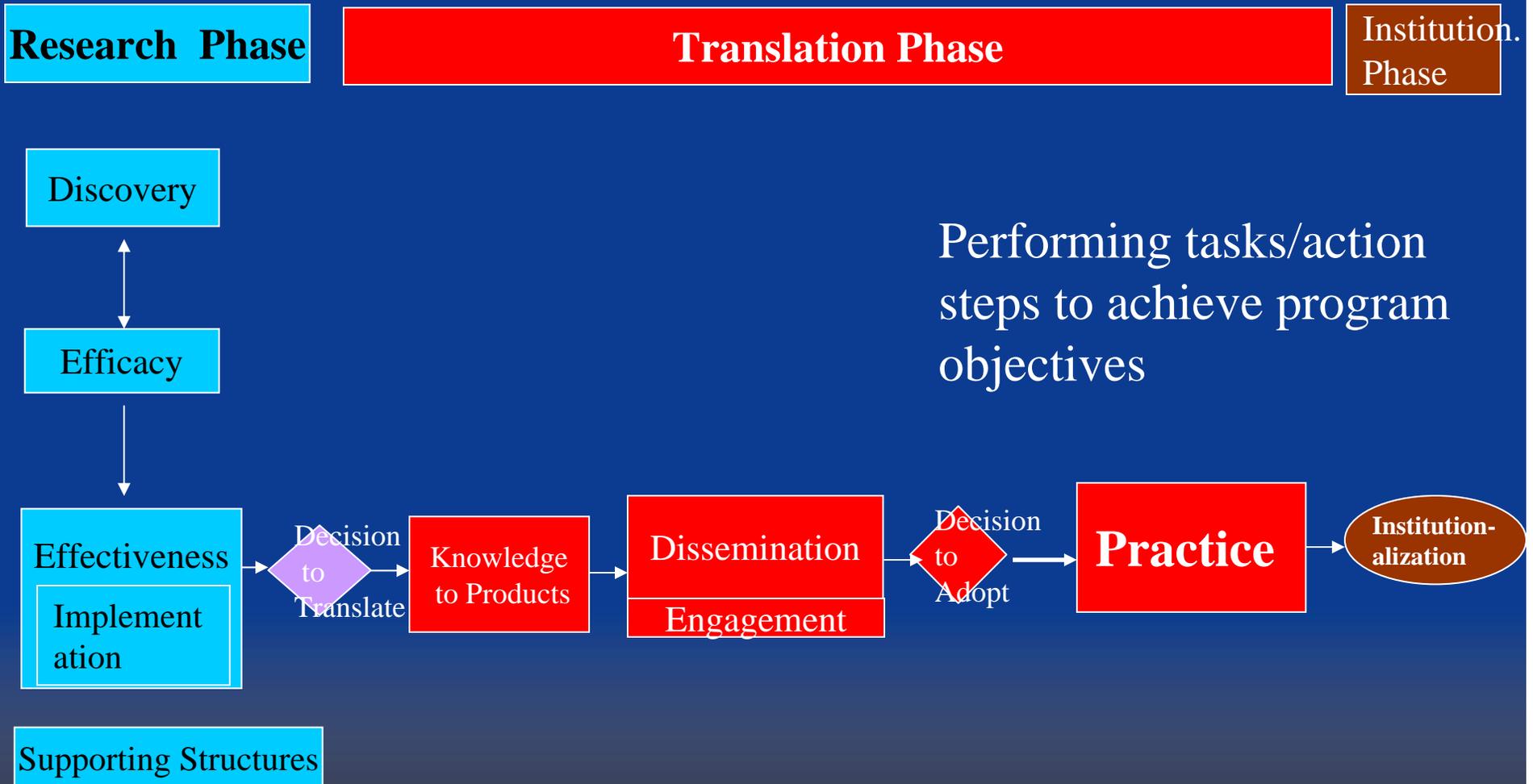
# NCCDPHP Translation Schematic



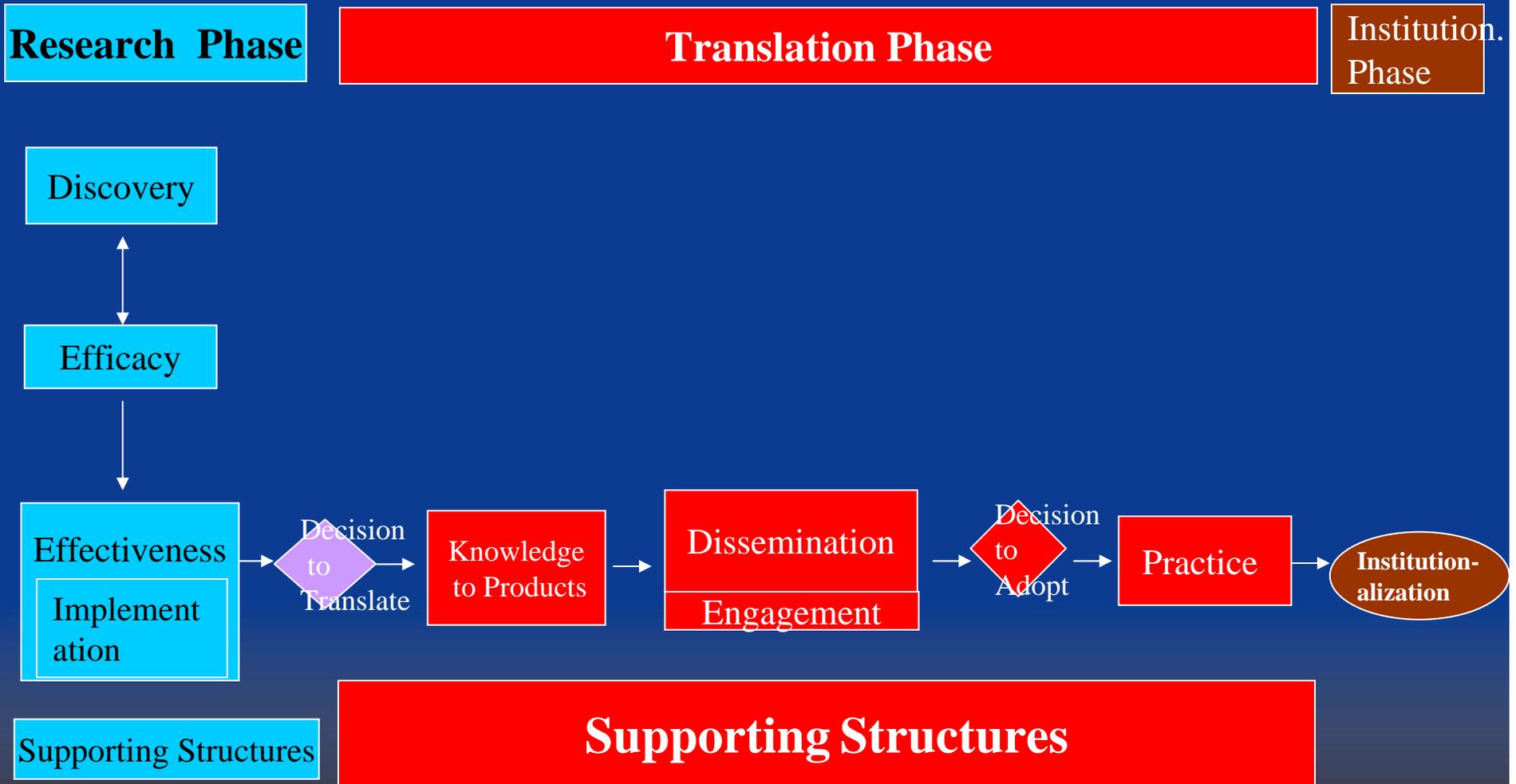
# NCCDPHP Translation Schematic



# NCCDPHP Translation Schematic



# NCCDPHP Translation Schematic

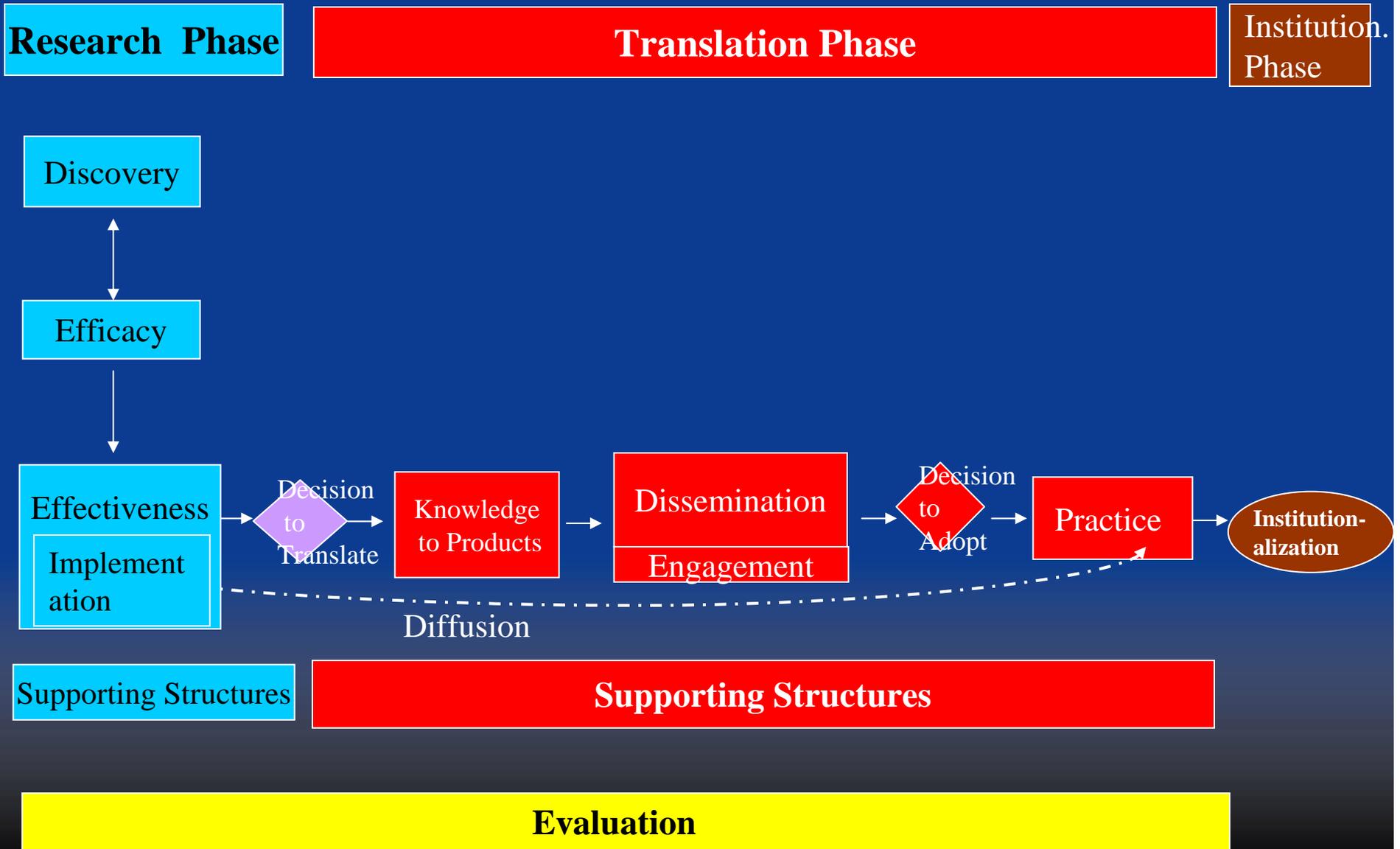


# Supporting Structures

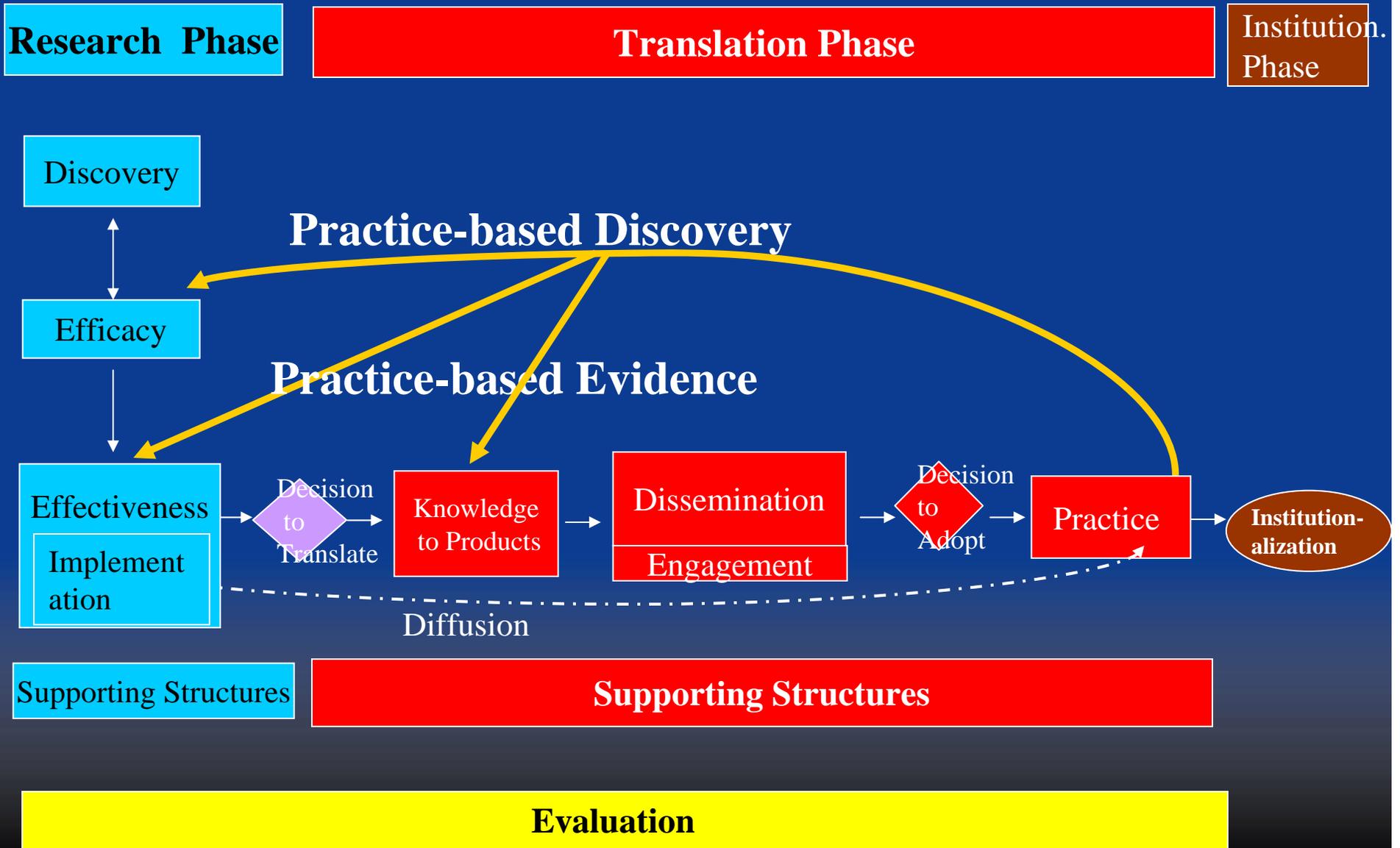


- Elements that enhance organizations capacity to plan, implement, evaluate, and sustain the activity
- Includes (but not limited to)
  - ◆ Organizational Capacity
  - ◆ Financial Resources
  - ◆ Training
  - ◆ Technical Assistance
  - ◆ Marketing
  - ◆ Political Will

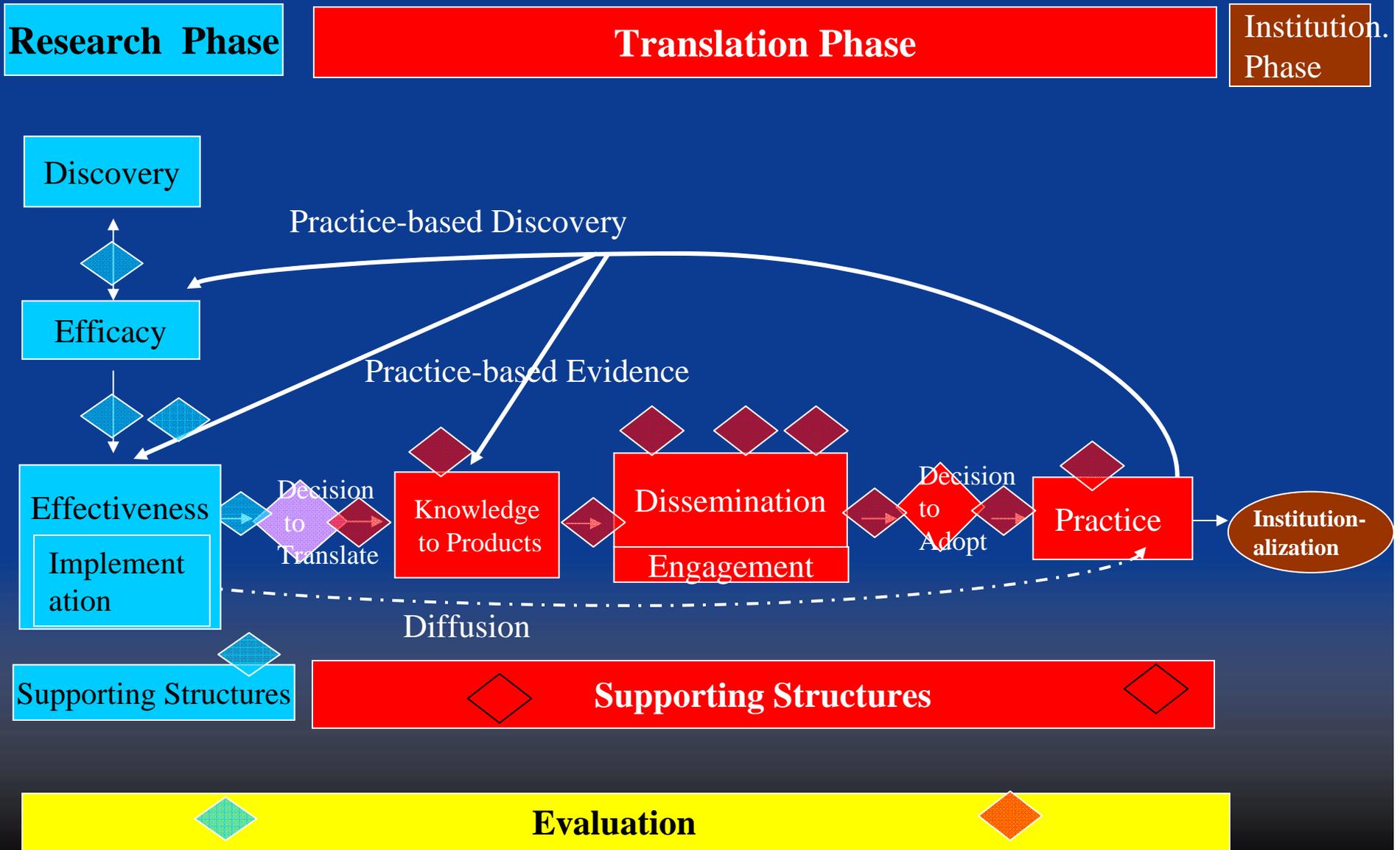
# NCCDPHP Translation Schematic



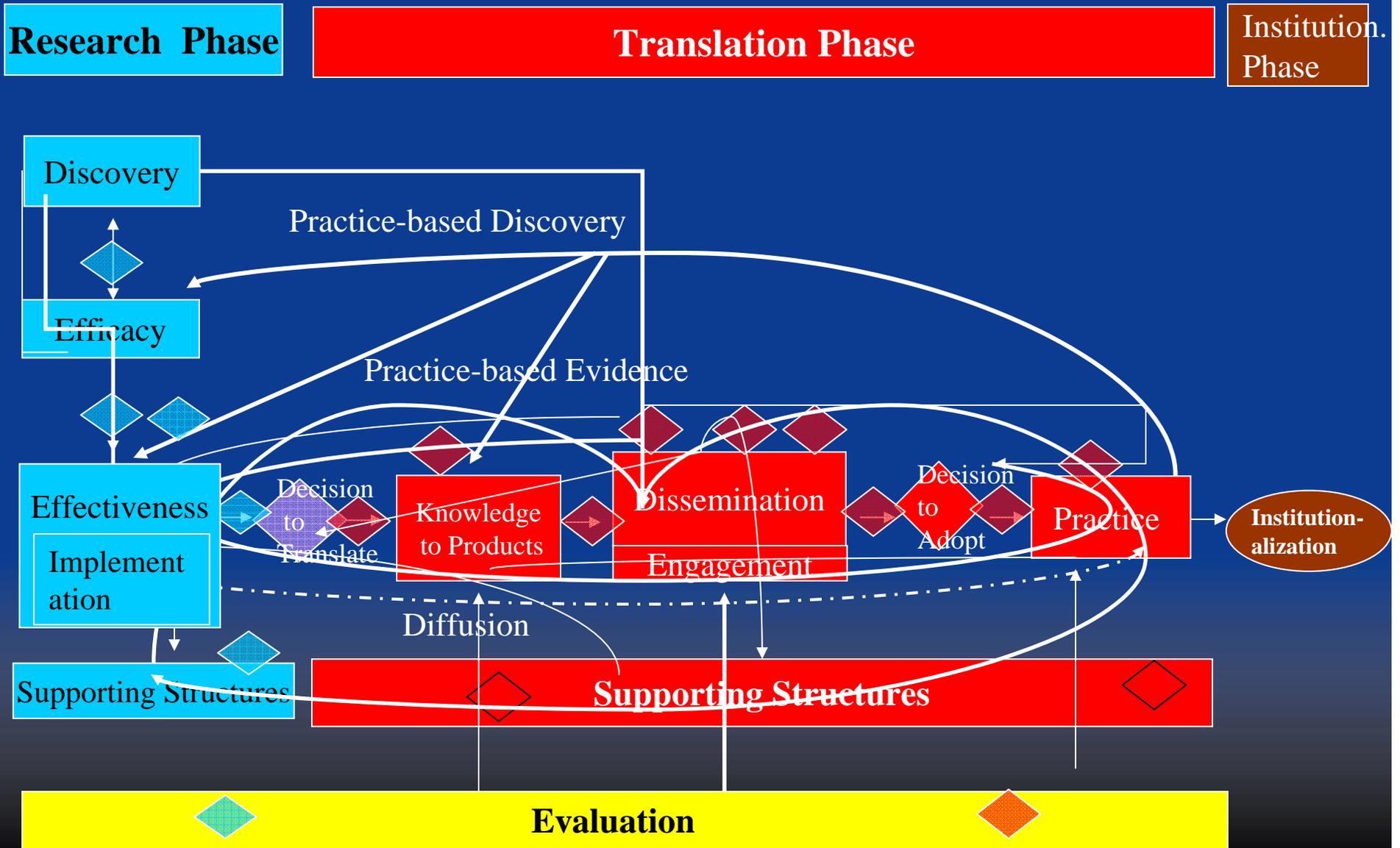
# NCCDPHP Translation Schematic



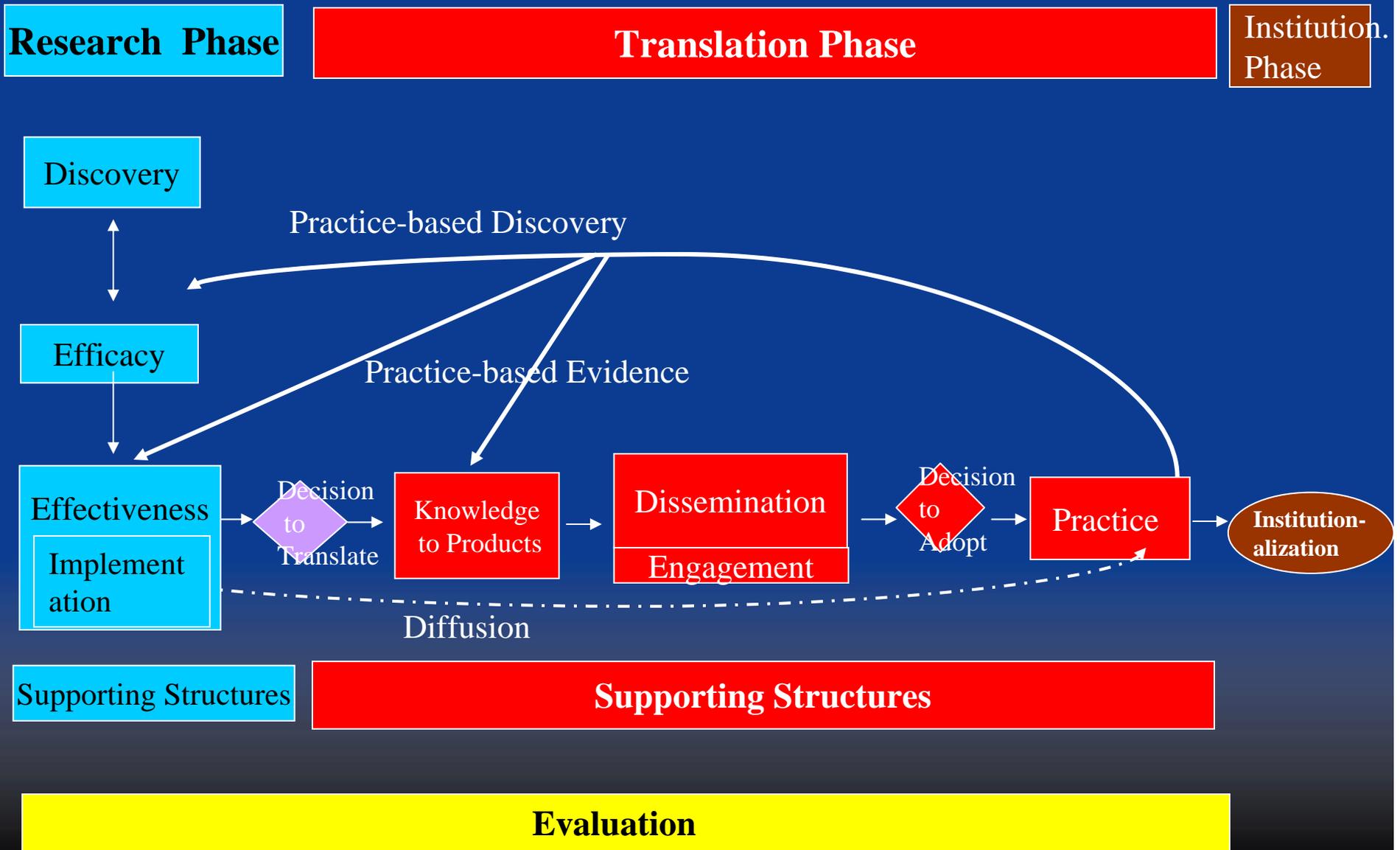
# NCCDPHP Translation Schematic



# NCCDPHP Translation Schematic



# NCCDPHP Translation Schematic



# Translation Example:



- Community-based group exercise program
- Lead by trained fitness instructors
- Classes that meet 3x/week, in a variety of settings
- Components:
  - ◆ moderate-intensity aerobic conditioning
  - ◆ strength training
  - ◆ flexibility
  - ◆ balance



# Translation Example:



**Research Phase**

**Translation Phase**

**Institution.  
Phase**

**EnhanceFitness (AKA Lifetime Fitness)**



**Prevention Research Center**

Discovery

Efficacy

1998

Effectiveness

2003, 2006, 2008, in process

Implement  
ation

**Institution-  
alization**

Supporting Structures

# Translation Example



Research Phase

Translation Phase

Institutional Phase

Discovery

Efficacy

Effectiveness  
Implementation



Decision to Translate

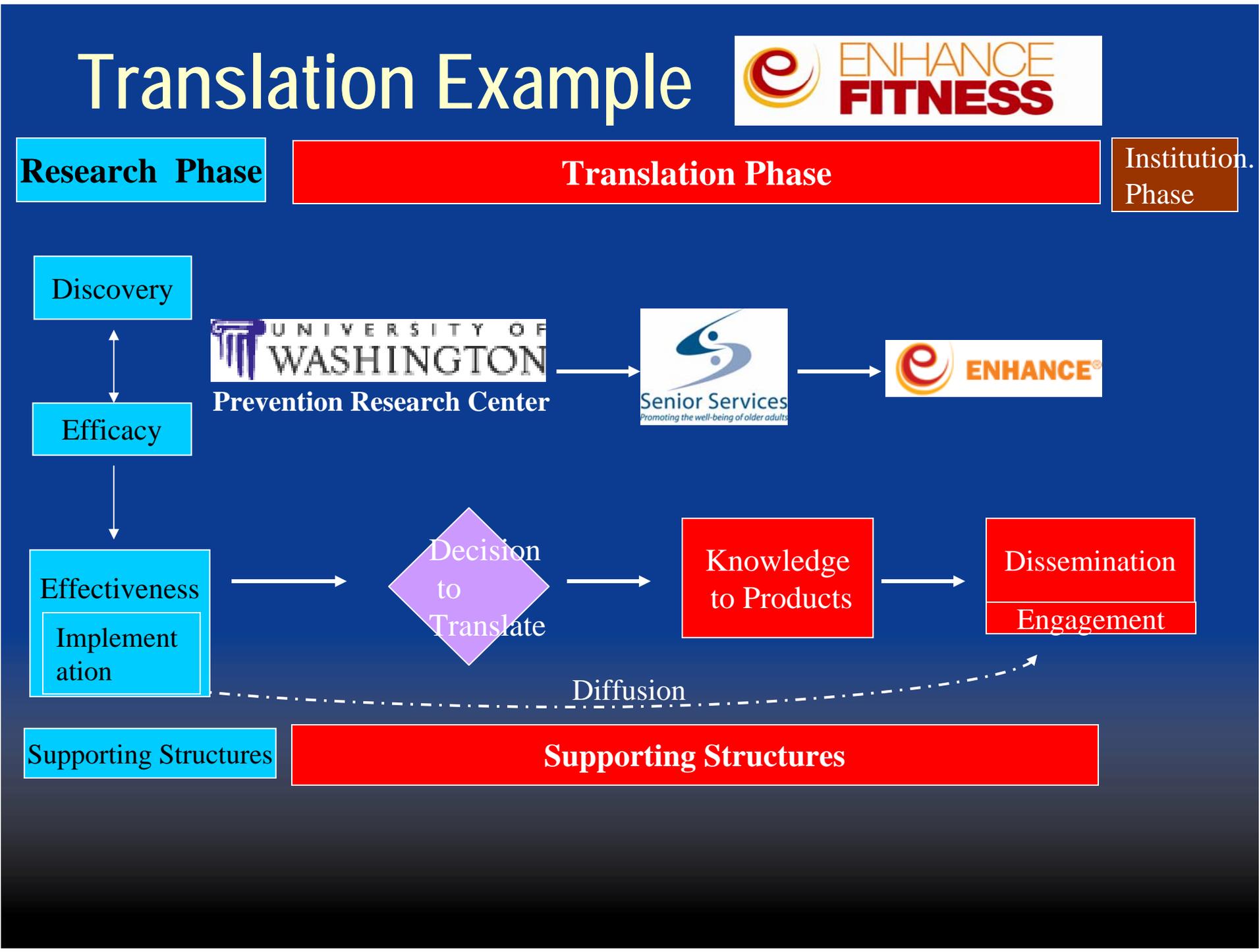
Knowledge to Products

Dissemination  
Engagement

Supporting Structures

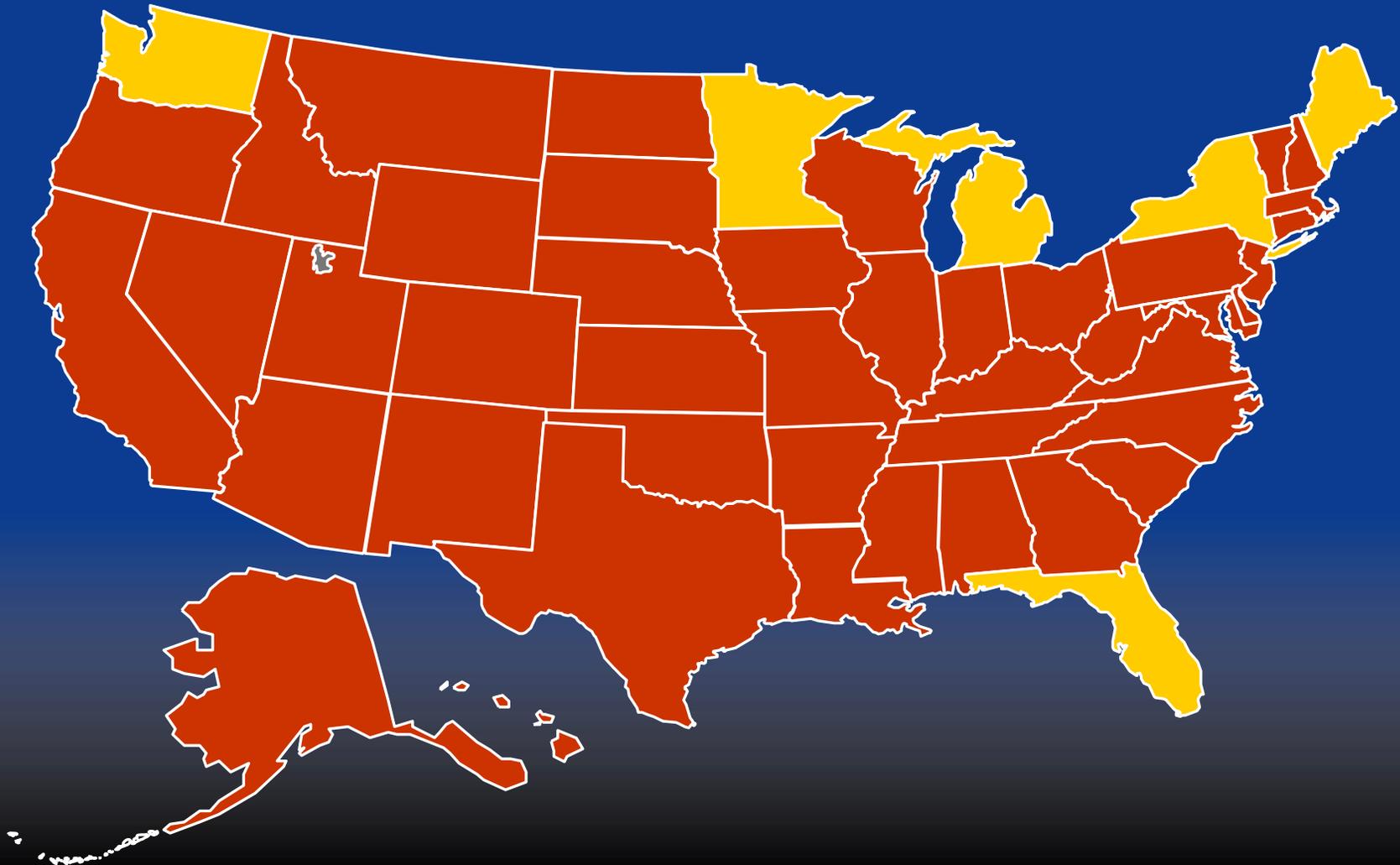
Supporting Structures

Diffusion

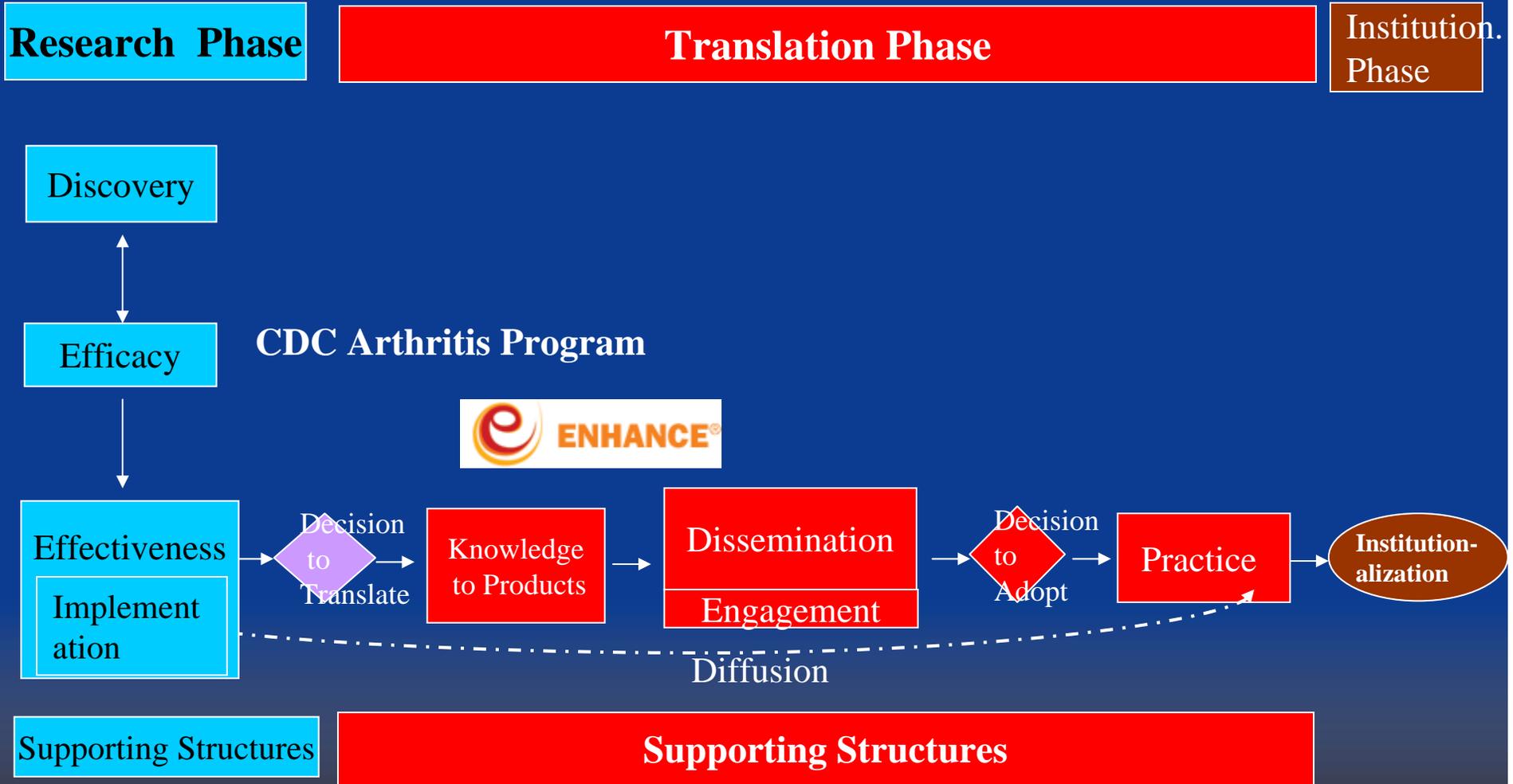




# EnhanceFitness: Early Spread(2005)



# Translation Example



# Translation Example



Research Phase

Translation Phase

Institution. Phase

Discovery

Efficacy

CDC Arthritis Program



Effectiveness  
Implementation

Decision to Translate

Knowledge to Products

Dissemination  
Engagement

Decision to Adopt

Practice

Institutionalization

Supporting Structures

Supporting Structures

# CDC Arthritis Program Translation Support

## Dissemination Strategies

- Specified in continuation guidance
- Satellite Broadcast
- Conference calls for State HD and partners

# CDC Arthritis Program Translation Support

## Supporting Structures

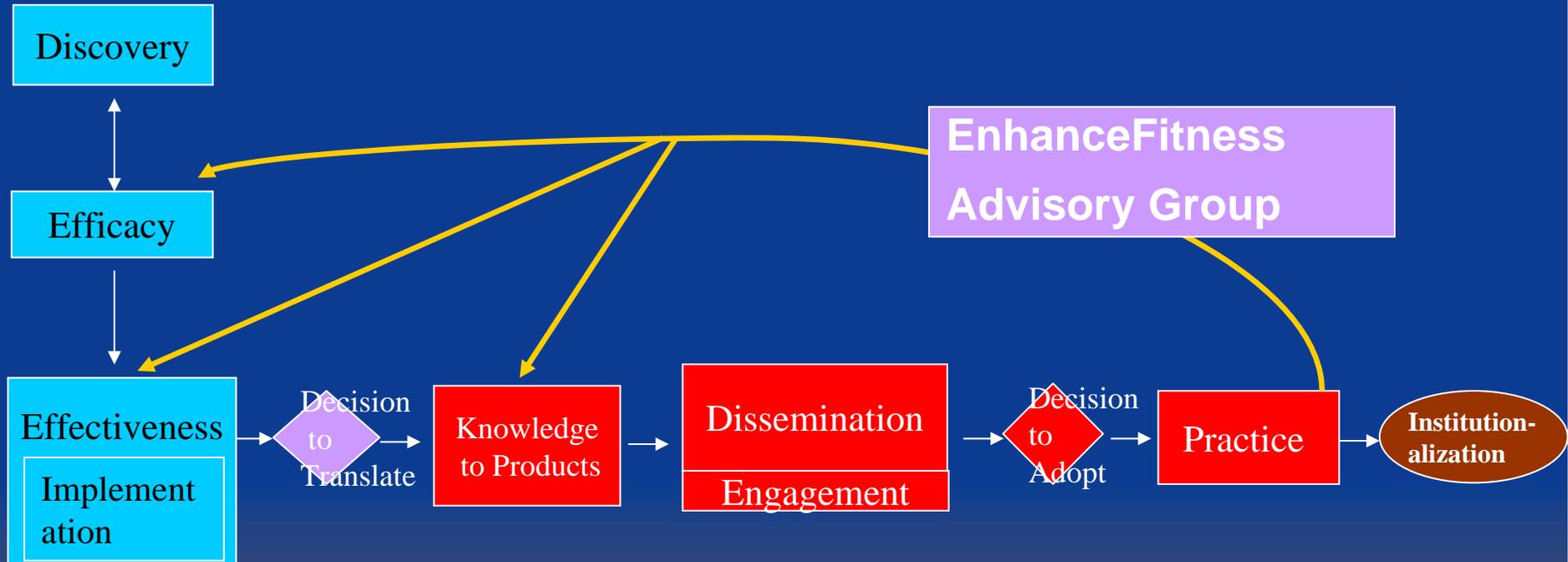
- Financial support to program office
- Conceptualizing program expansion capacity
- Supporting on-line data entry
- Sponsoring regional training
- Sponsoring trainer support mechanisms
- Problem-solving dissemination and quality control issues



Research Phase

Translation Phase

Institution. Phase

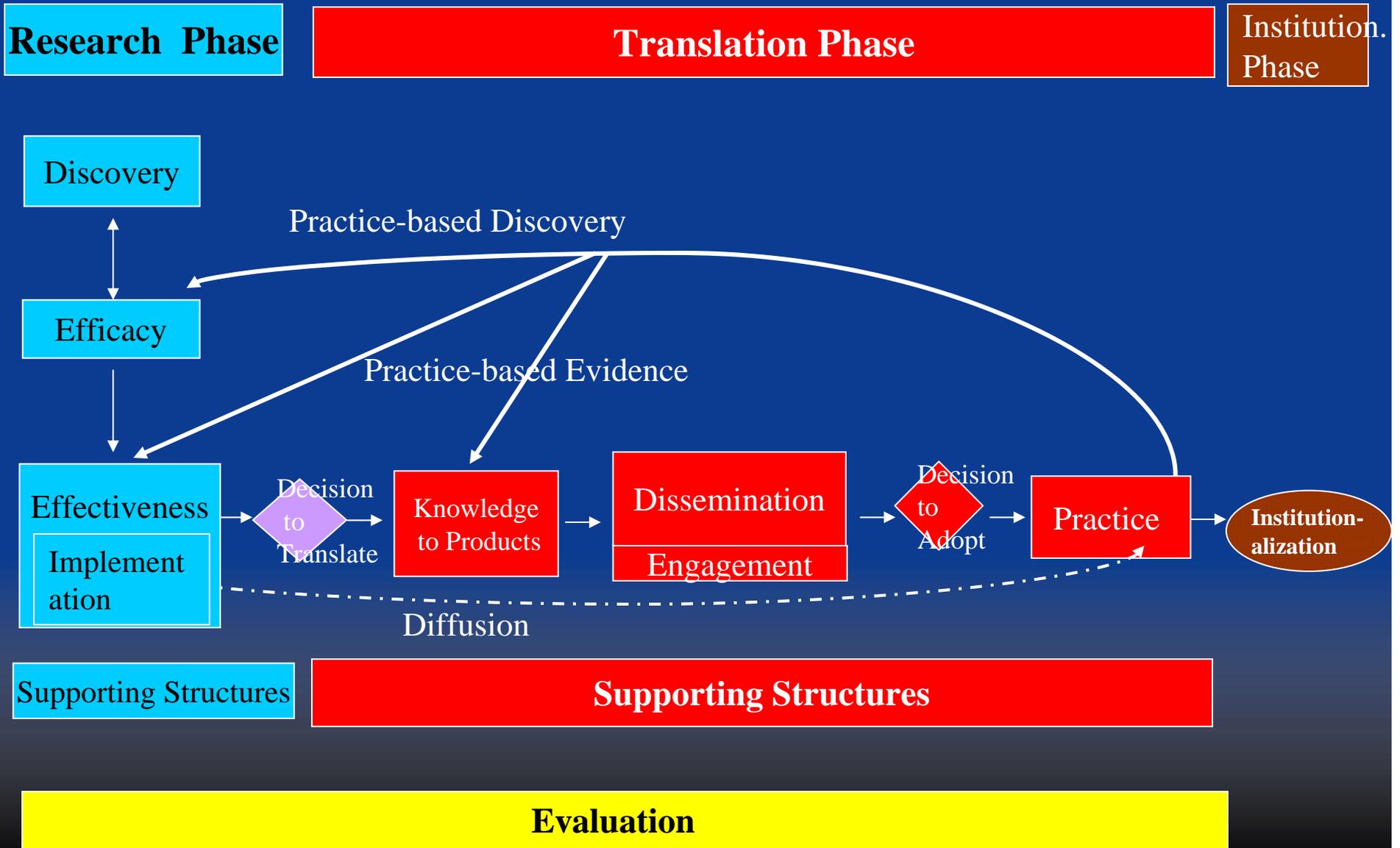


Supporting Structures

Supporting Structures

Evaluation

# NCCDPHP Translation Schematic



# Discussion Questions

- What practitioner feedback do you need to accomplish the task?
- Why is this important?
- What methods could you use to obtain this feedback?



# Contact Information

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