

RECage

Implementation Science in practice

Focus on Scalable Unit & Process Evaluations



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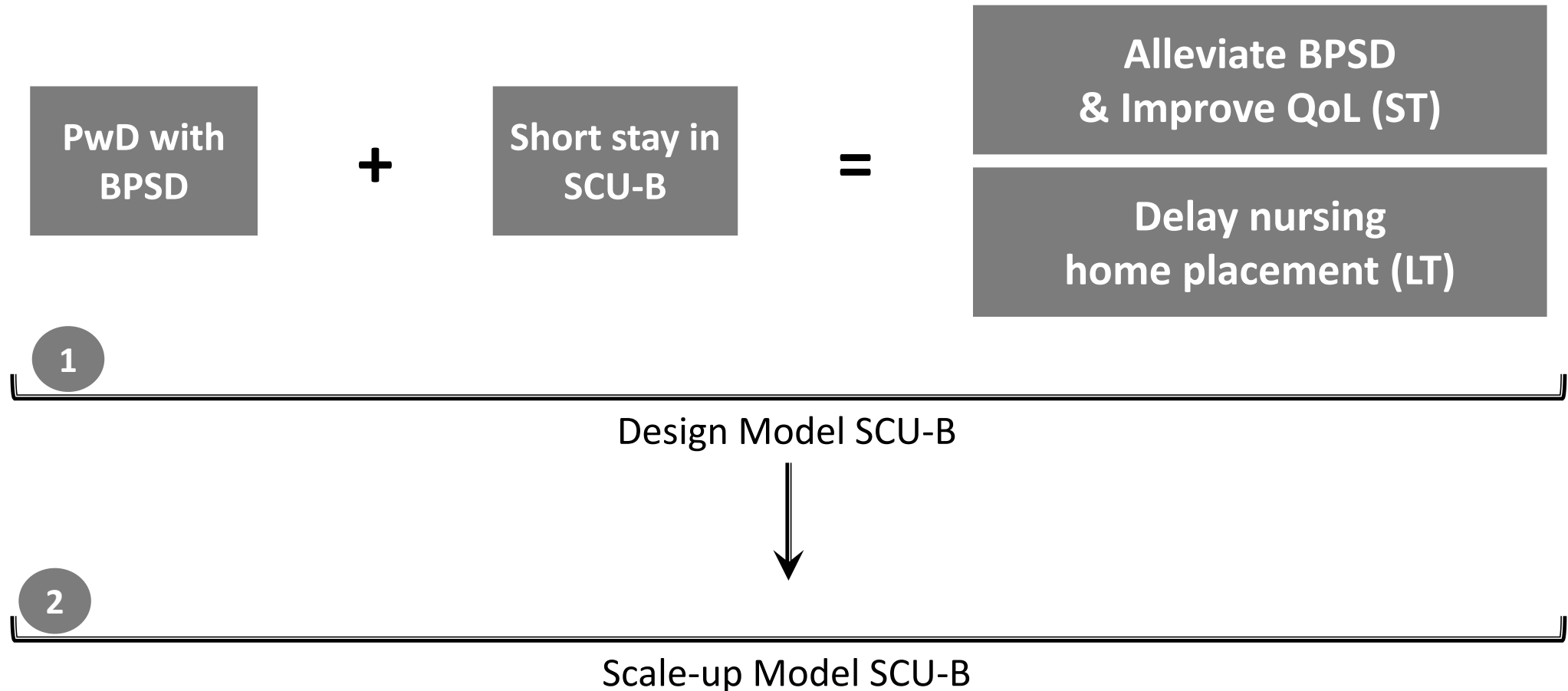
Email: meena.daivadanam@ikv.uu.se; Website: <http://ki.se/en/phs/smart2d>

RECAGE International Meeting 8th November 2019, Bergamo

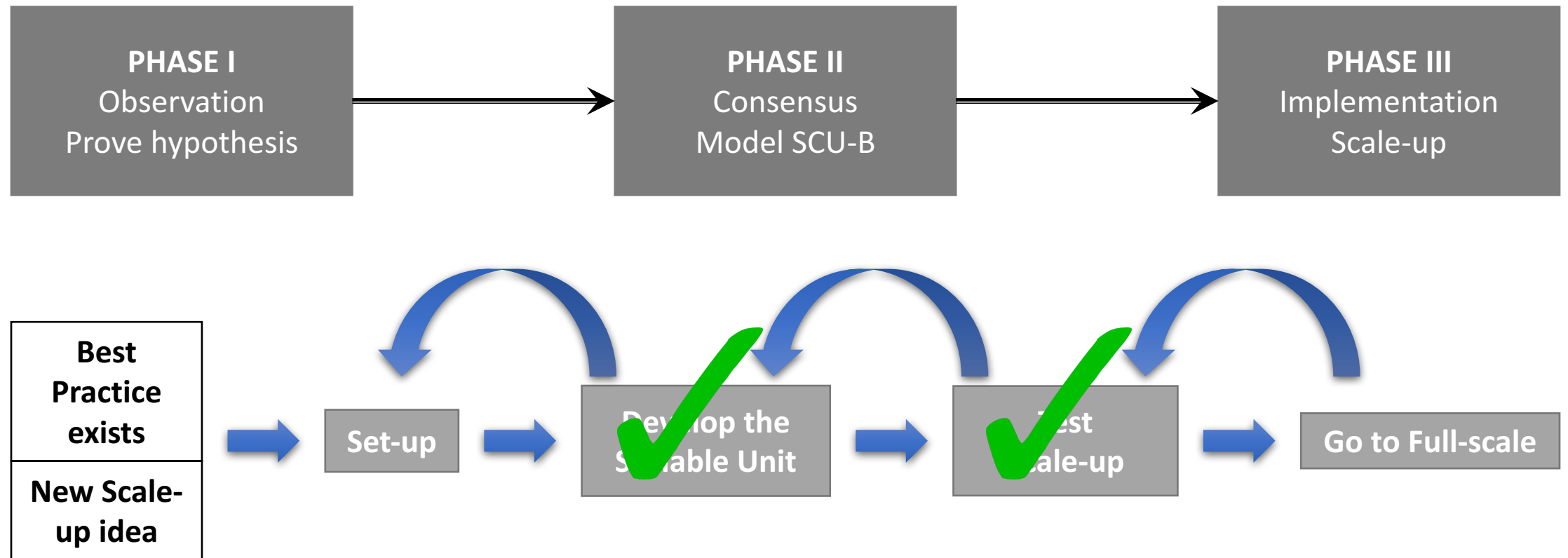
The know-do gap



REcage working hypothesis



Phases of RECage



PHASE II

Developing a scalable unit

1

Design Model SCU-B → core components + core processes

Components of SCU-B



Temporary residential medical structure

Combination pharm. + non-pharm therapy

Appropriate environment

Experienced specialist doctors & nurses



SMART2D is a 4-year
Research and Innovation
Action (RIA) project, funded
by the EU's Horizon 2020



SMART2D: Aims & objectives

Overall aim: To strengthen the capacity of health systems in Type 2 diabetes prevention and care for adults with or at high-risk for diabetes in Uganda, South Africa and Sweden

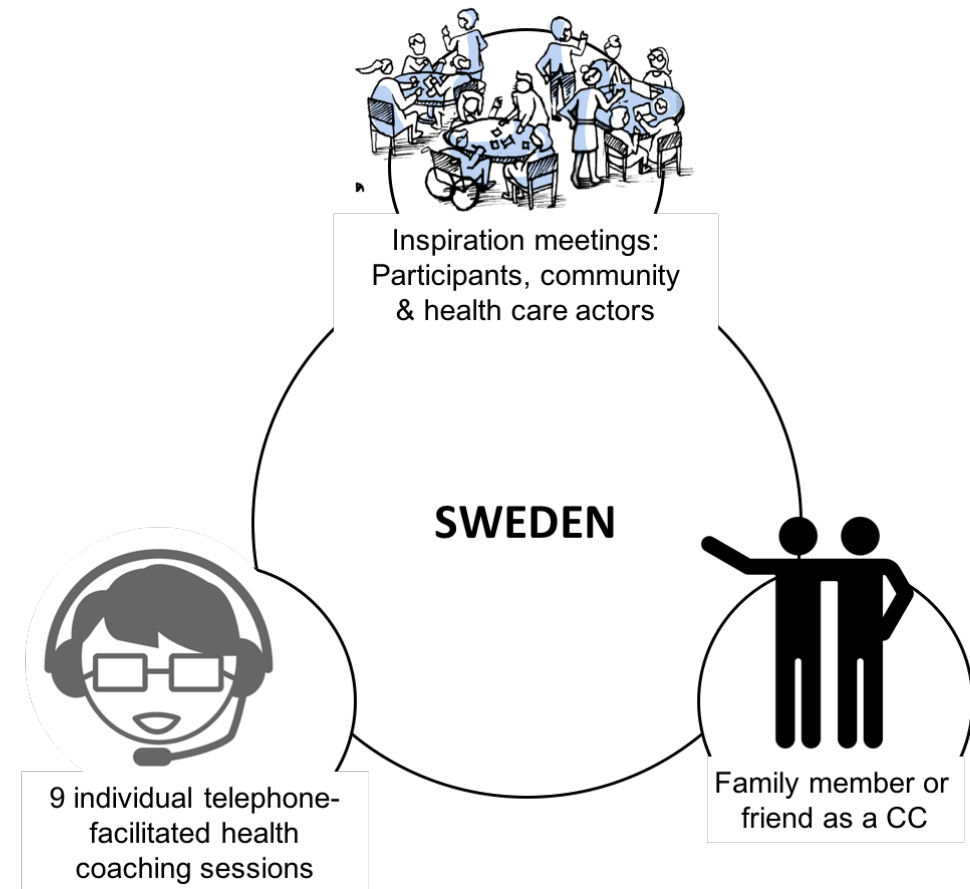
Specific objective: To develop & implement contextually appropriate self-management strategies focusing on facility and community

Specific objective: To evaluate the added benefit of a community component to improve self-management

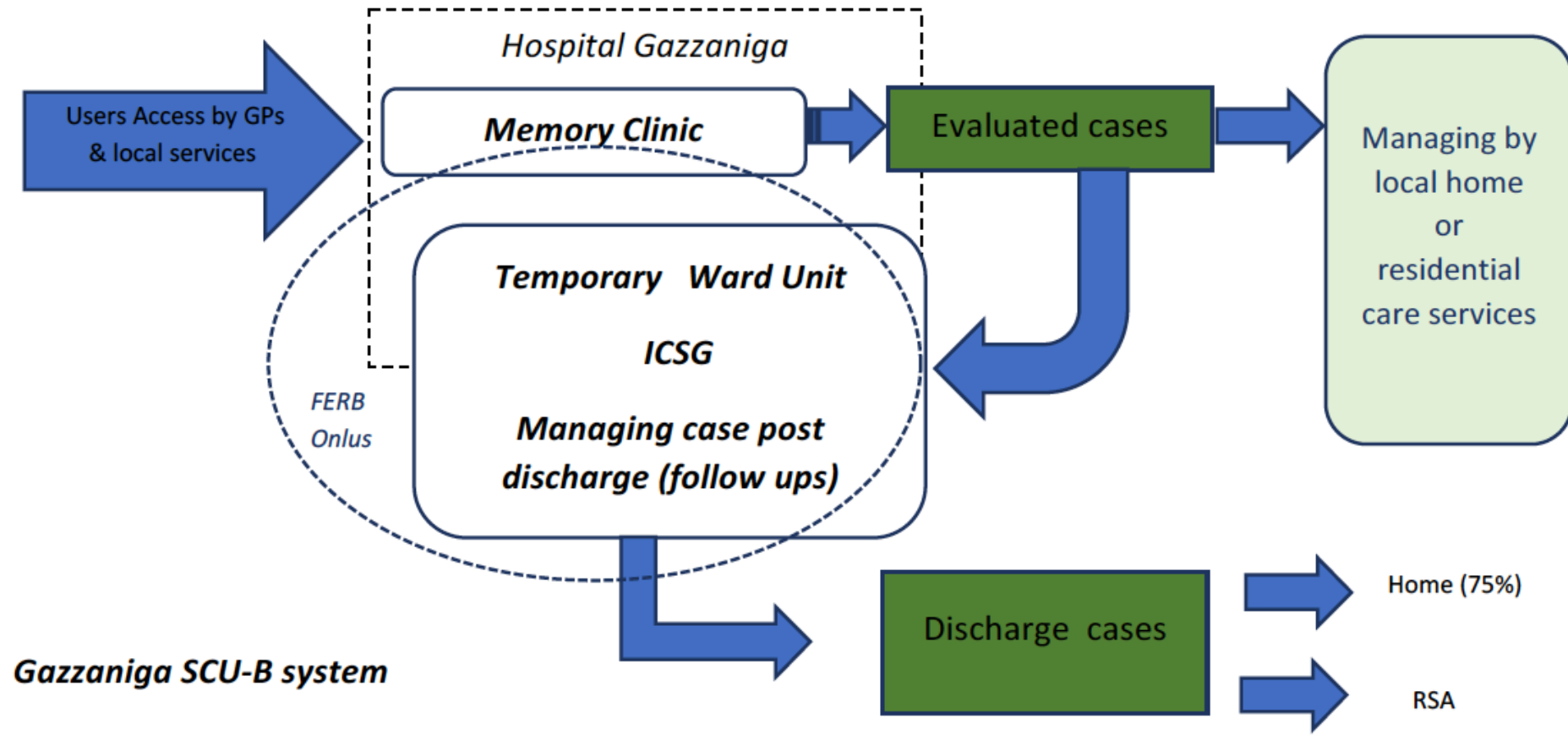
The SMART2D consortium: University of Western Cape School of Public Health, South Africa; Makerere University School of Public Health, Uganda; Collaborative Care Systems Finland; Institute of Tropical Medicine, Belgium; Uppsala University and Karolinska Institutet, Sweden

Example of SMART2D Sweden

1. Peer coaching
2. Social support
3. Community link

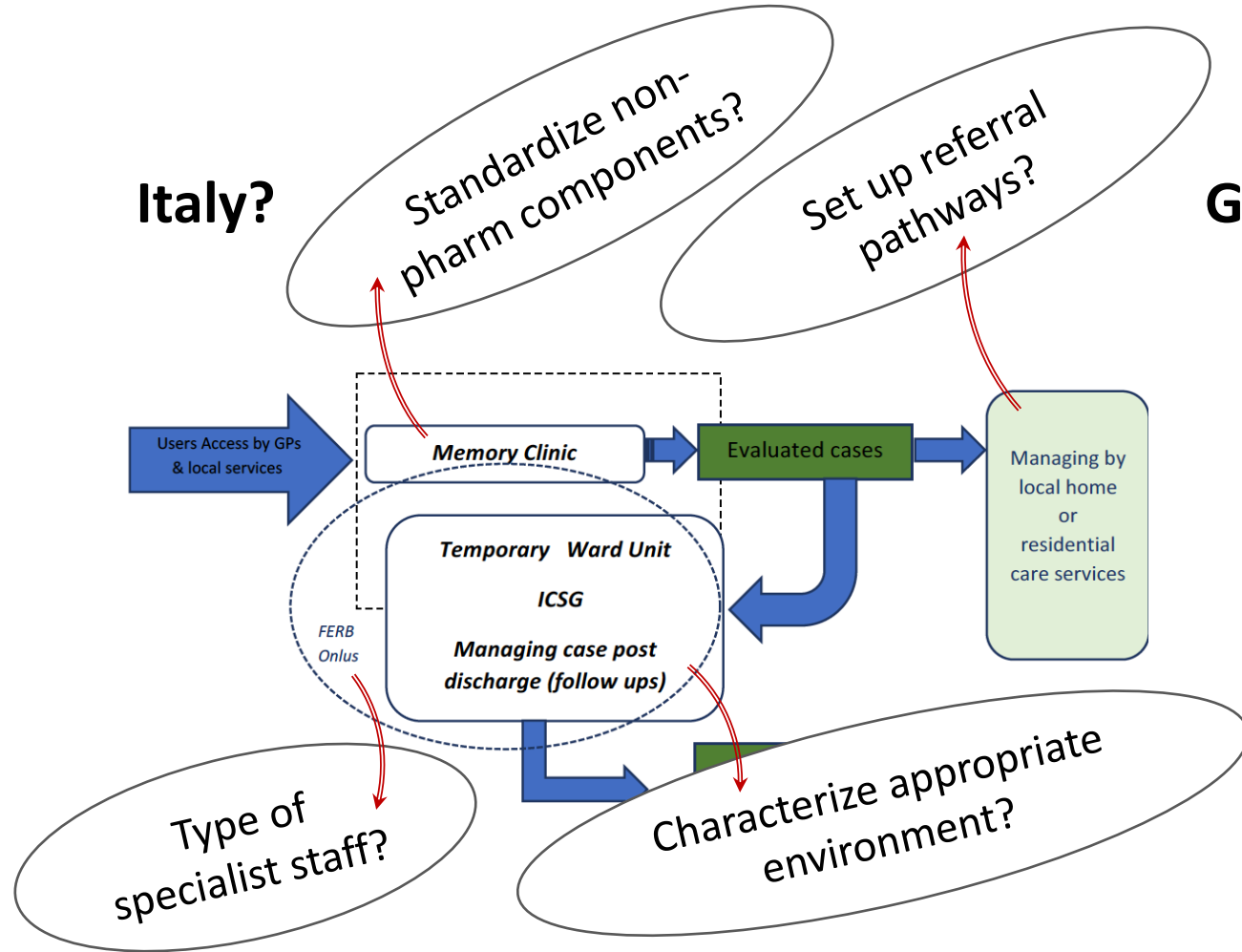


Scalable SCU-B model for Italy?



Source: Georgia Casanova, Golgi Cenci Foundation, Abbiategrasso (MI), Italy

Contextualized scalable units



Source: Georgia Casanova, Golgi Cenci Foundation, Abbiategrasso (MI), Italy

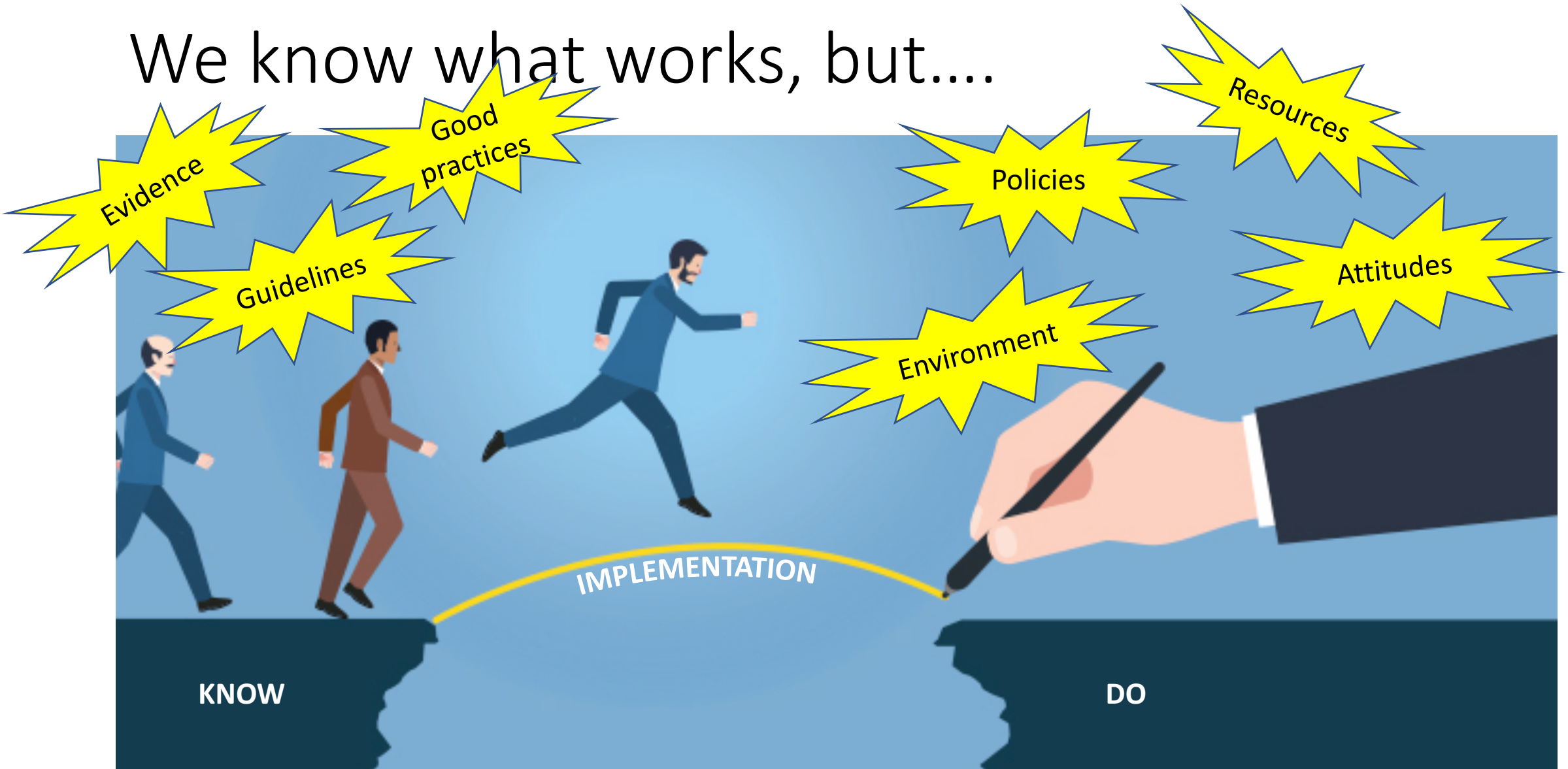
PHASE III

Implementing the scalable unit

2

Scale-up Model SCU-B → Standardize SCU-B + Implement process in 'n contexts

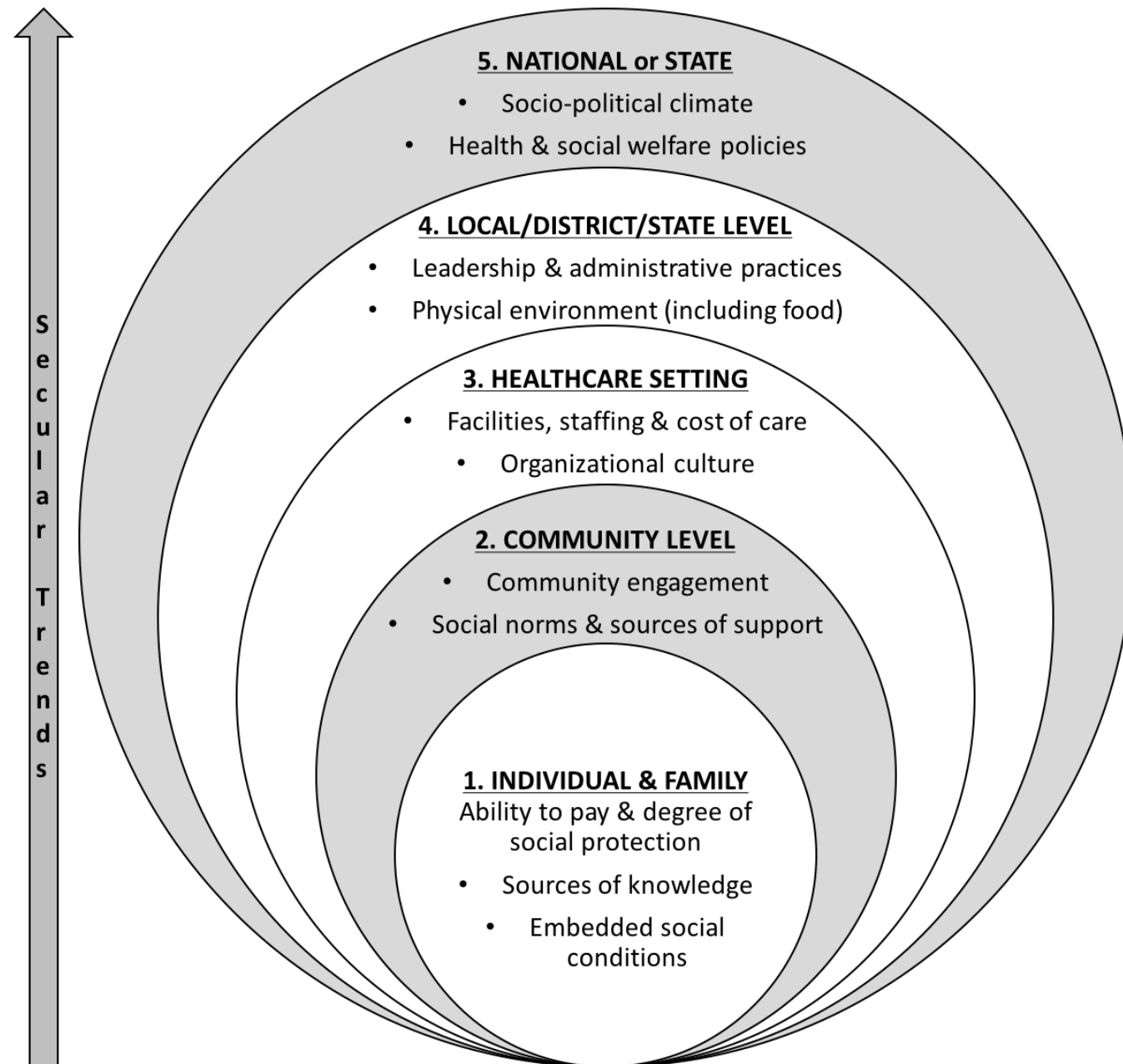
We know what works, but....



CONTENT IS **KING**
BUT
CONTEXT IS **GOD**

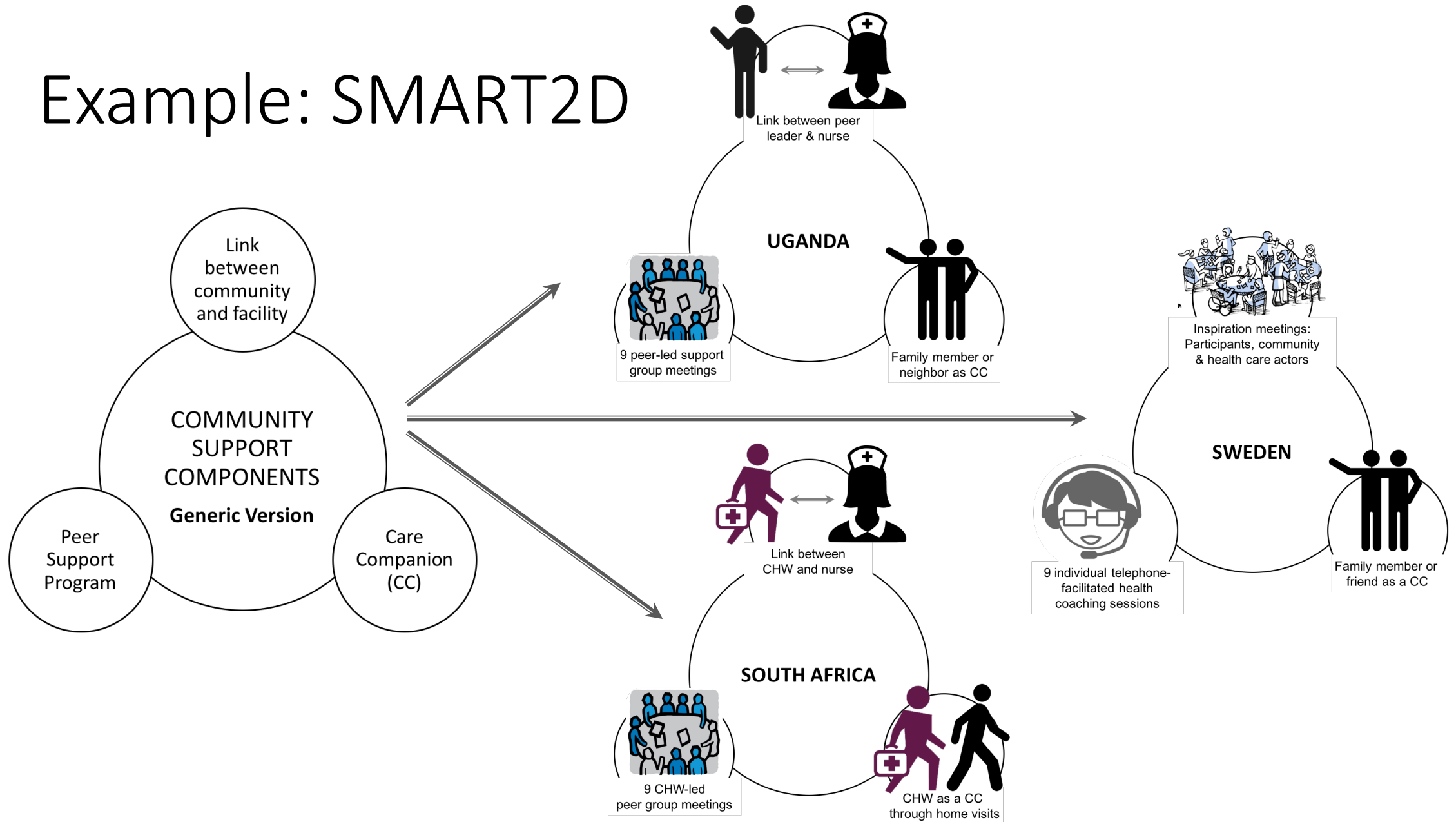
Standardization by function rather than by program content [Ed Fisher, Peers for Progress]

Multi-level implementation context

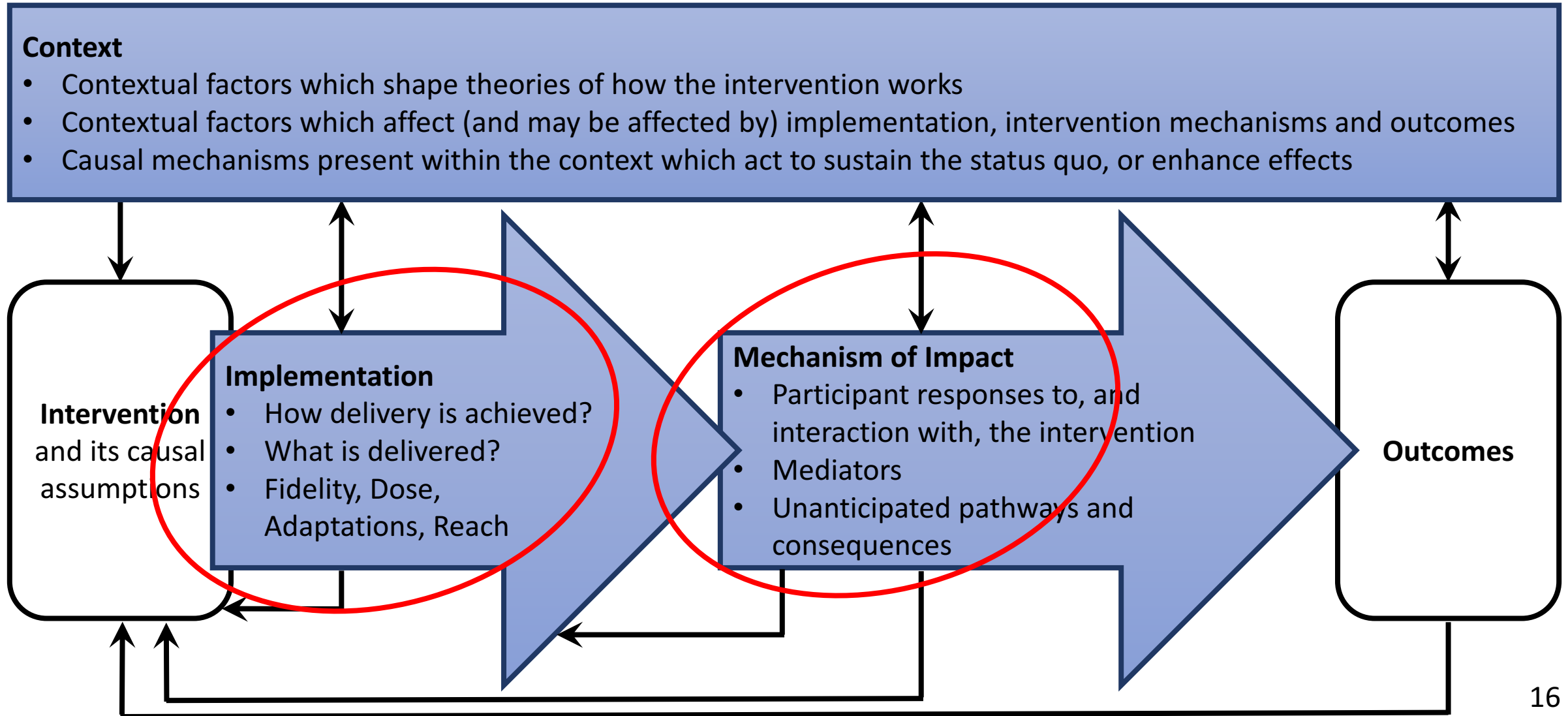


Modified from: Taplin et al. *Figure 1: The multi-level context of cancer care*. Cancer Epidemiol Biomarkers Prev 2012;21(10): 1709–15 & dimensions used in the COACH tool (Bergström et al. Implementation Science 2015; 10:120).

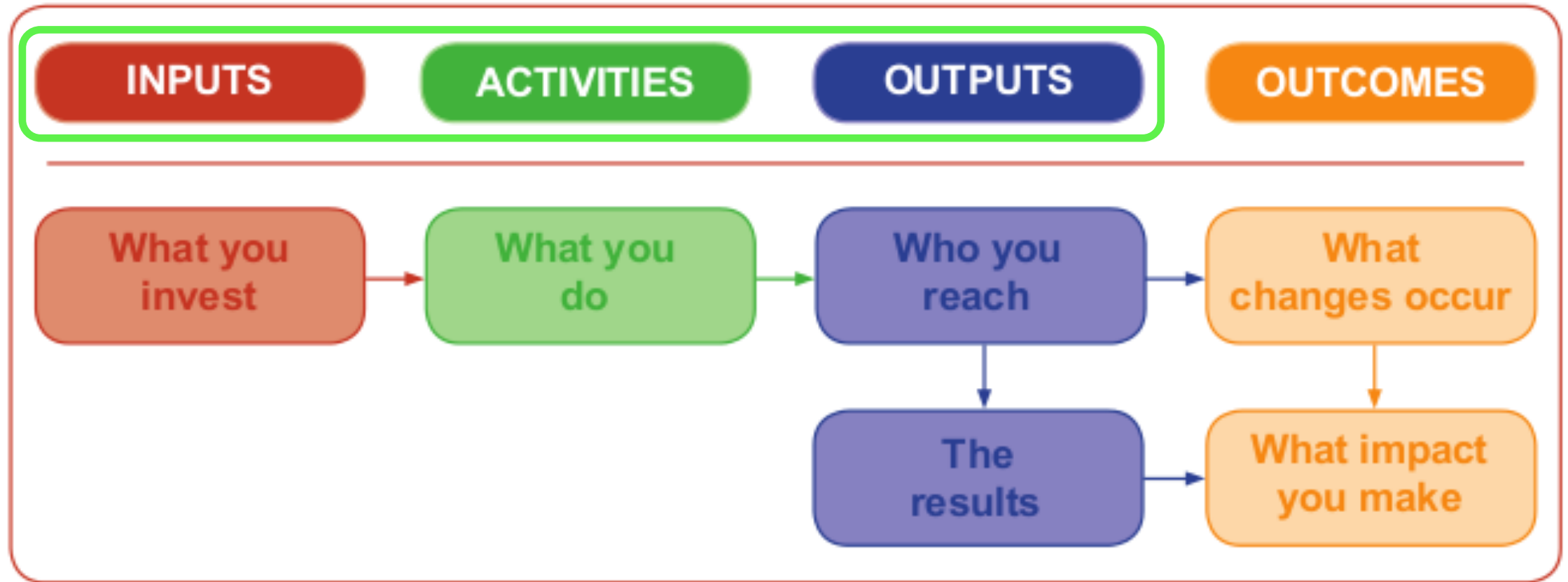
Example: SMART2D



Process evaluation: key functions

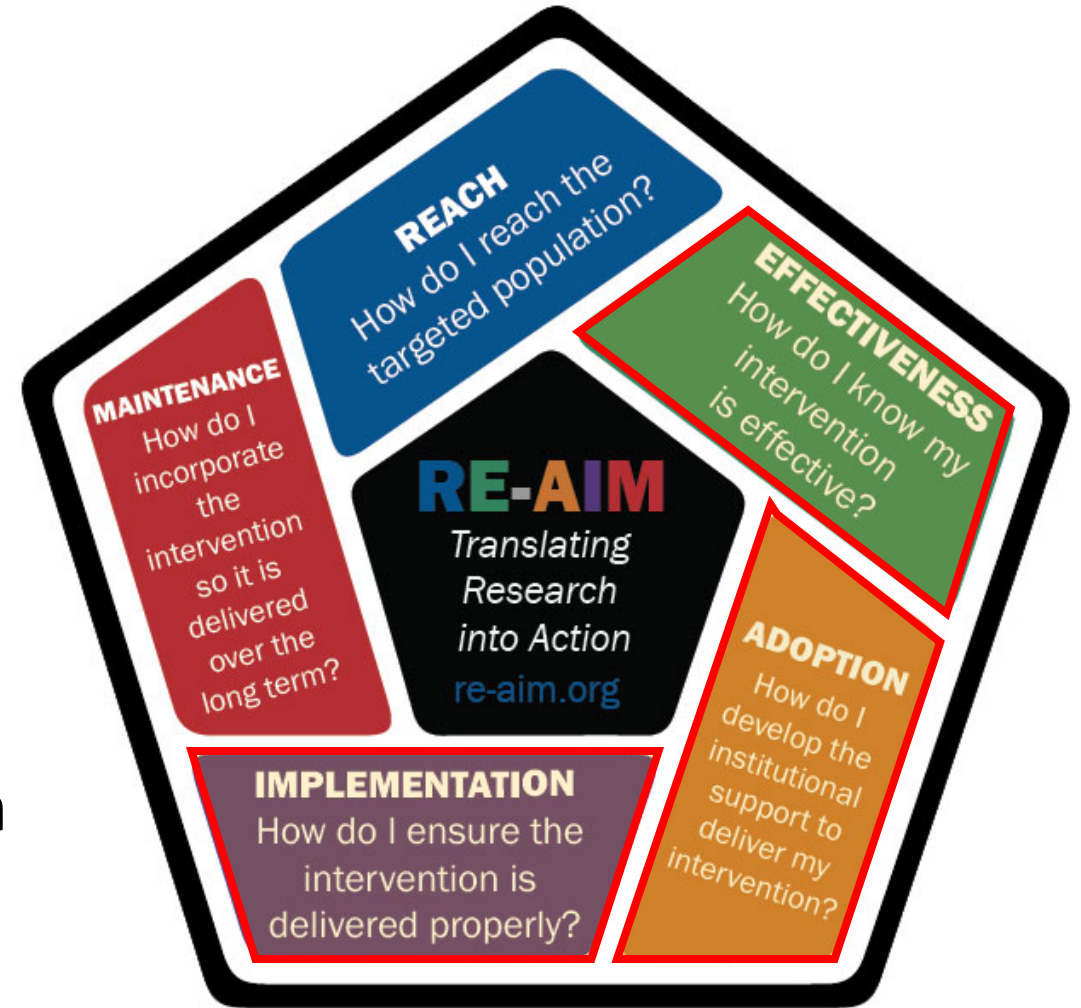


Focus of process evaluations

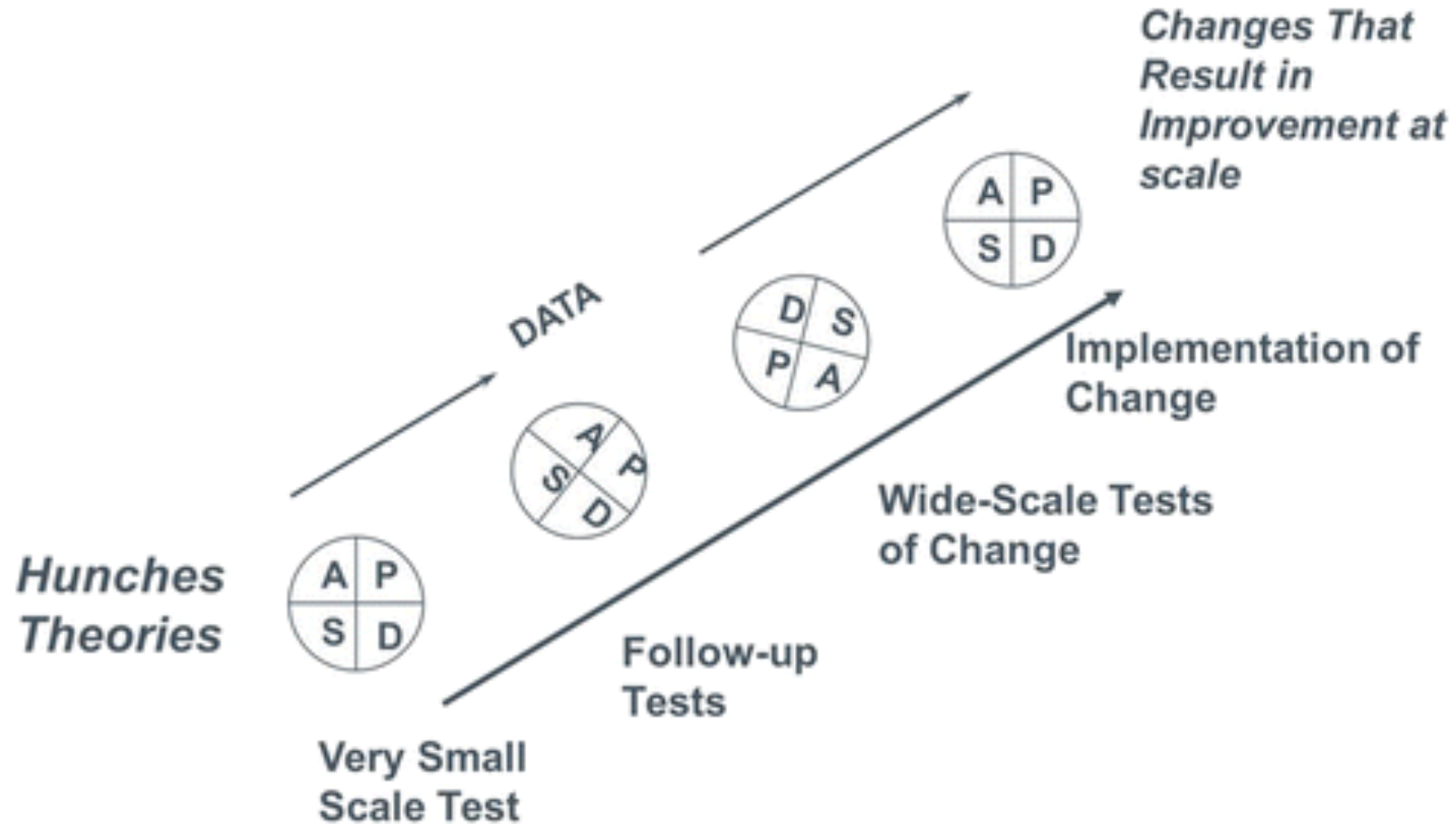


RE-AIM framework

- Five main areas of focus
- Which areas should we prioritise to achieve our outcomes?
- What activities are necessary in each area to achieve our outcomes?



Rapid cycle improvement



A windy road....

2

Is the concept of T2D **RISK** tangible enough to take **ACTION**?

1

What is the role of the **COMMUNITY** in T2D prevention?

Is community **SCREENING** an acceptable method?
Who do we **REACH**?

4

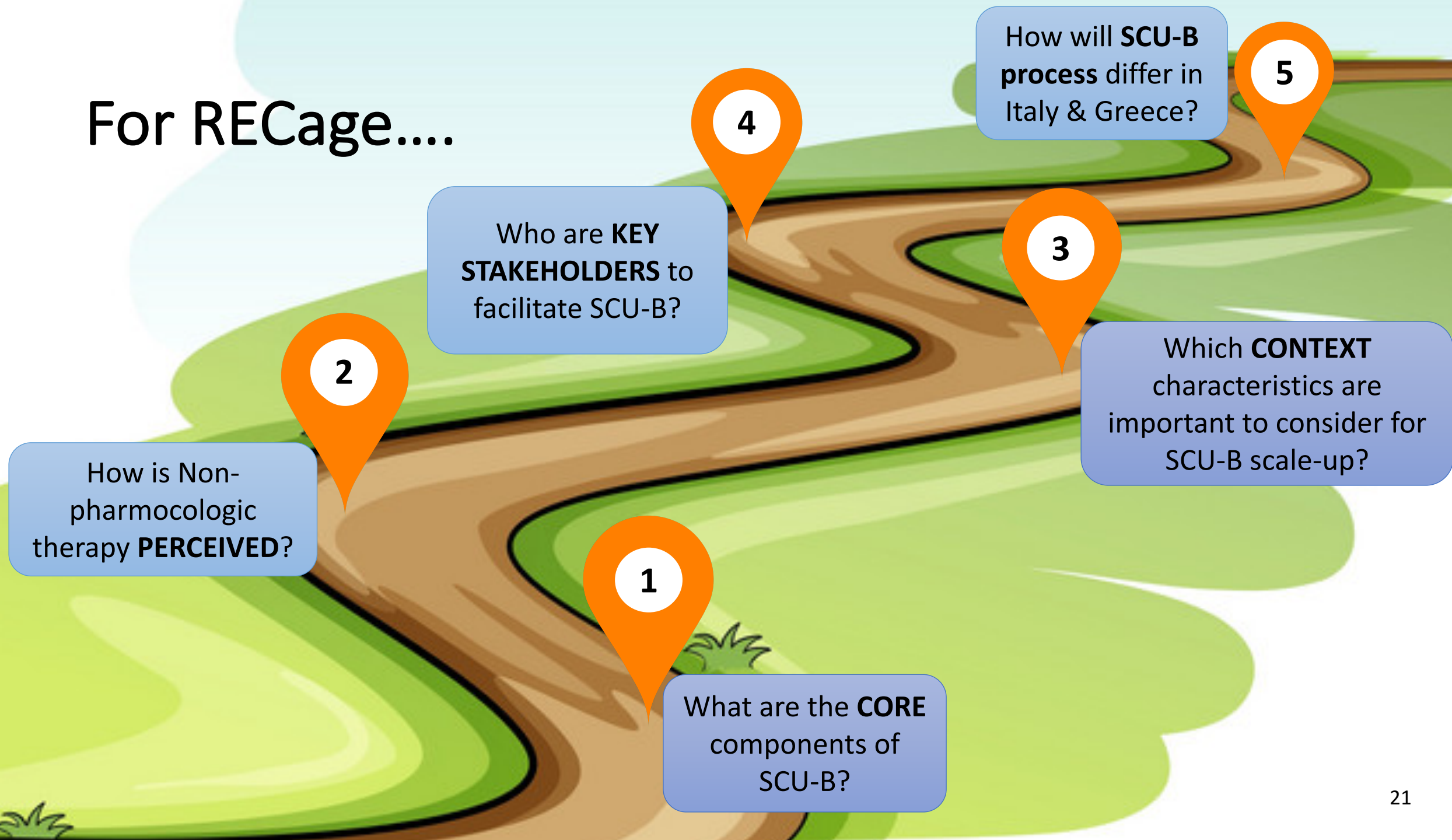
3

How is **SELF-MANAGEMENT** perceived by providers, patients & persons at risk of T2D?

5

What did this mean for the **INTERVENTION**?

For RECage....



Thank you



Additional resources &
information

Standards for reporting

- Standards for Reporting Implementation Studies (StaRI) checklist
- Informed by a systematic review and e-Delphi exercise
- 27-item checklist applicable to study designs employed in implementation science
- Key concept is the dual strands, (2 columns in the checklist)
 - The implementation strategy
 - The clinical, healthcare or public health intervention
- Statement explains the rationale and provides examples of good reporting practice

Consolidated framework for imp. research

- Classifies 39 implementation constructs across five domains
- Provides a structure to systematically assess context within which implementation occurs
- Provides a framework to improve methodological rigour
 - Consistent use of constructs across studies → allows more efficient syntheses through comparative analyses techniques (Qualitative)
 - Explicit operationalization of theoretical constructs → development of robust quantitative measures