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Discussions about Scaling Science Frameworks and Innovation Impact, Based on a Scoping Review

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KT Canada Seminar Series
Tues Jan 30th

The Team

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Elsa Nassar – McGill U

Oluwabambi Tinuoye – Western U

Heinrich Volmink – U of the Witwatersrand

Conflict of Interest Declaration

- Studied funded by IDRC
- IDRC framework part of the set of frameworks we analyzed
- Used an integrated knowledge translation process with IDRC as part of the team
- Worked consciously to minimize introduction of bias through iterative team discussions, weighing suggestions against their pros and cons

Learning Objectives

1. Participants will be able to describe scaling science.
2. Participants will be able to describe the connection between innovation scaling for the purposes of growth and scaling a research innovation to enhance impact for the public good.
3. Participants will be able to identify some gaps in the process of developing scaling frameworks.

Agenda

- Research Questions
- Background
- Open Discussion around Major Findings

Research Question for Scoping Review

- 1) What are the attributes of identified scaling frameworks for innovations that support health outcomes in academic and grey literature?
- 1) What are the similarities and differences of these attributes?

Background - Scaling

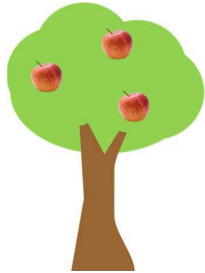
- Spread, scale and sustainability – 3 Cs

Scaling:

“a systematic evidence-informed process whose aim is to increase the positive impacts of an innovation that has proven effective for improving quality in care and the welfare of individuals and populations.”

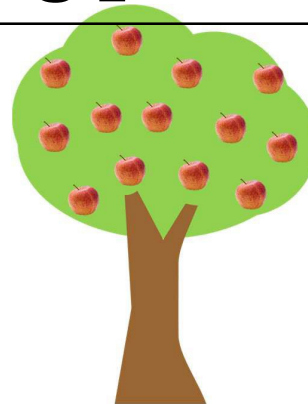
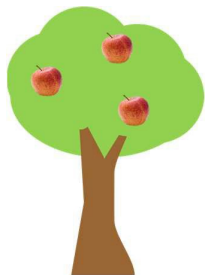
Corôa RDC et al. Evidence on Scaling in Health and Social Care: An Umbrella Review. The Milbank Quarterly. 2023

SCALING



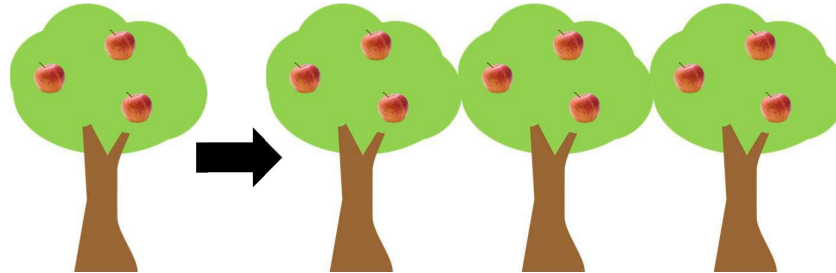
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SCALING UP



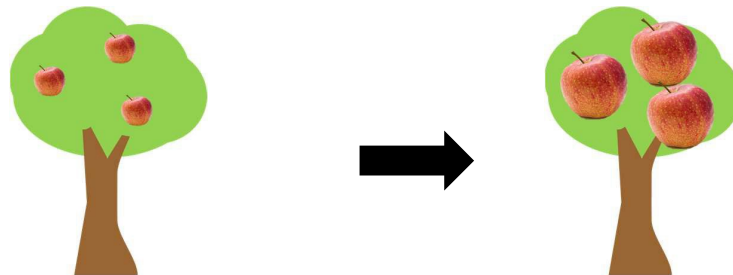
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SCALING OUT



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SCALING DEEP



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Background – Scaling science

Scaling science involves practice and theory

- scaling the **impact** of research and innovation
- critical and systematic study of how scaling of knowledge & research unfolds

“Scaling **impact is a coordinated effort to achieve a collection of impacts at optimal scale that occurs if it is both morally justified and warranted by the dynamic evaluation of evidence.”**

-not just amplification of the health innovation but focus on research innovation impact for the public good

McLean R, Gargani J. Scaling Impact: Innovation for the Public Good. 1st ed. Routledge; 2019
www.scalingXchange.org

Spreading Best Practices in Home Care

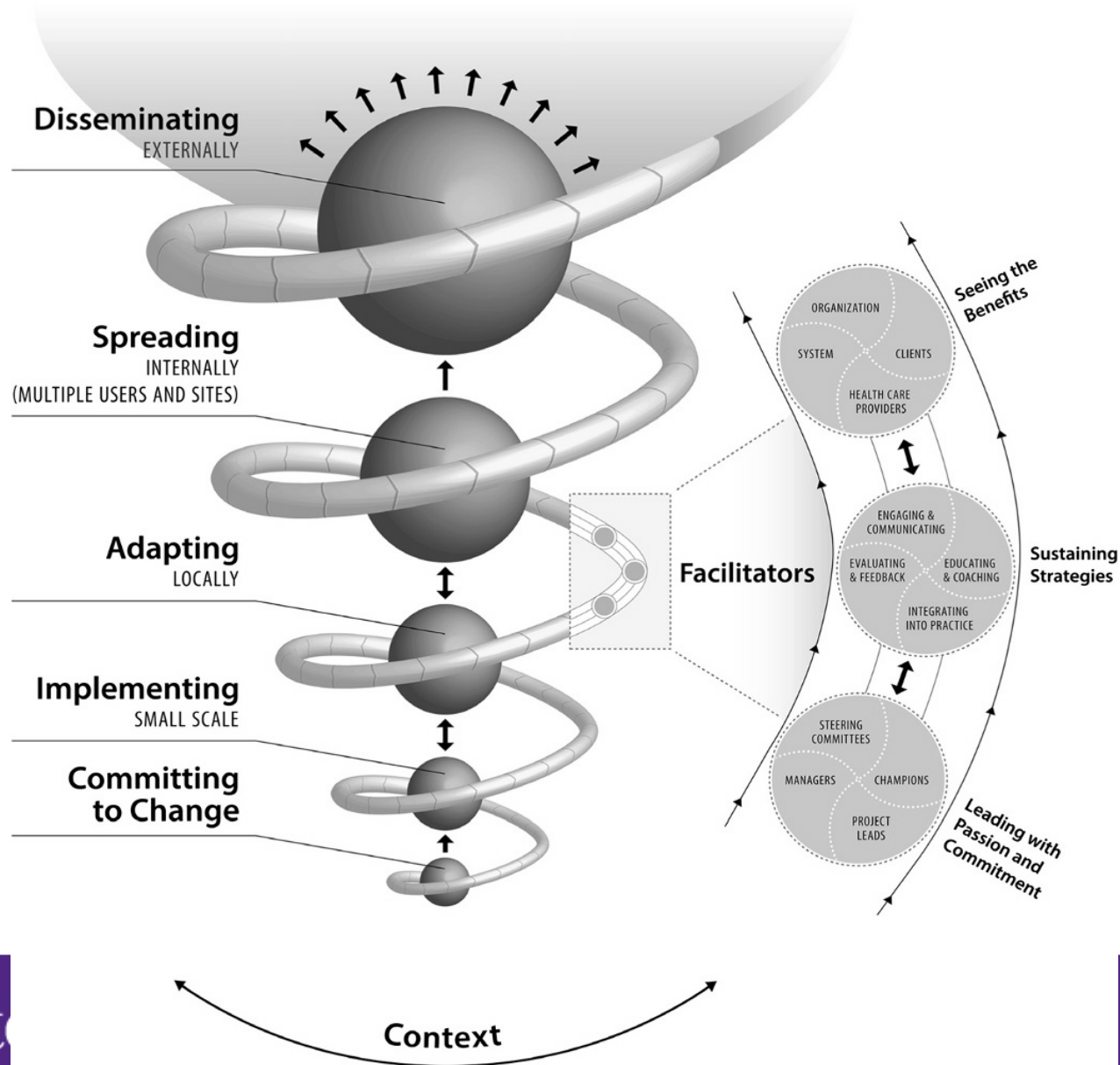
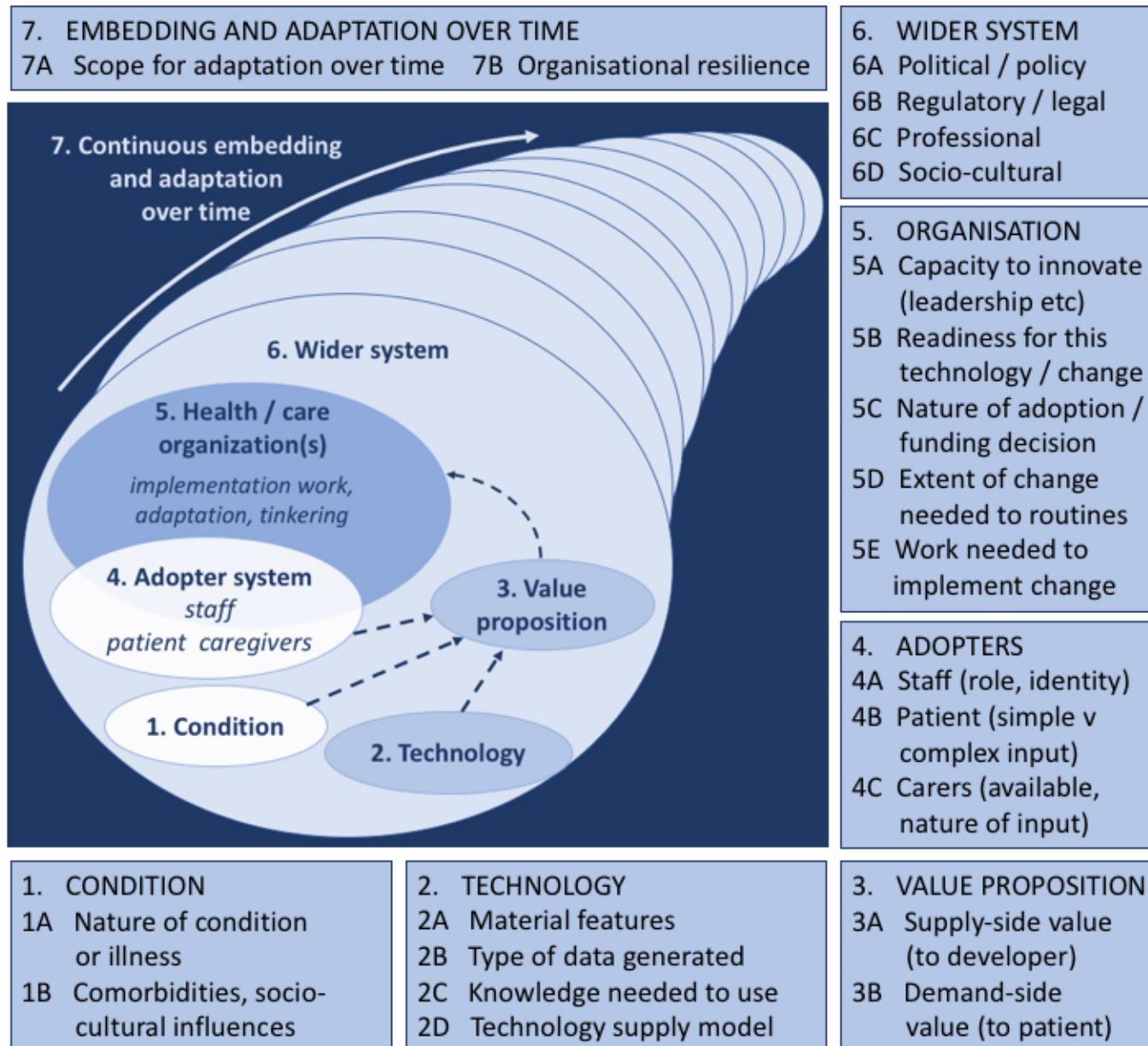
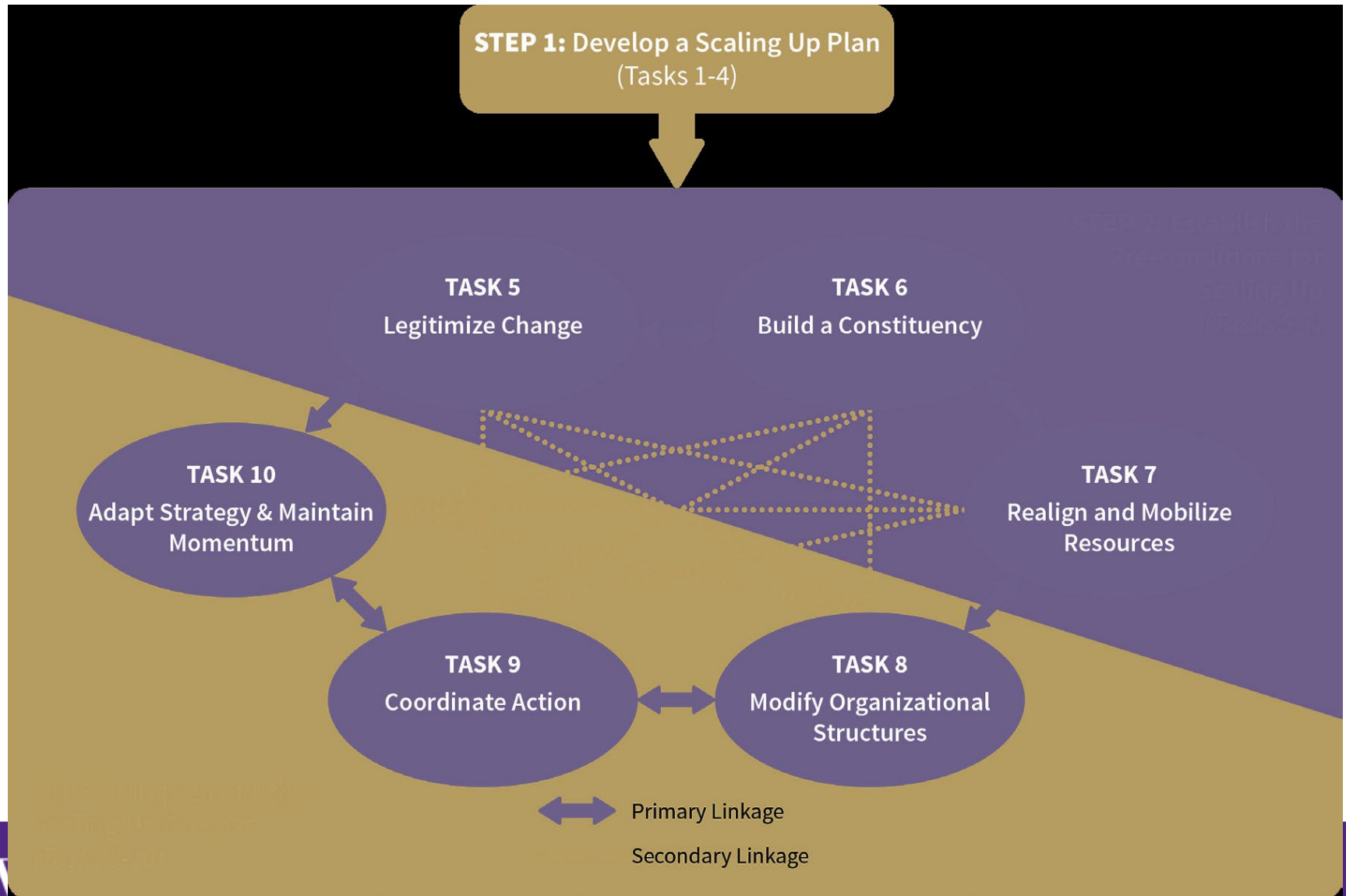


Figure 2. The NASSS framework for considering influences on the adoption, nonadoption, abandonment, spread, scale-up, and sustainability of patient-facing health and care technologies.



Scaling Up—From Vision to Large-Scale Change: A Management Framework for Practitioners



Discussion point 1 - authorship

- Learning and experience with scaling comes from global South
- We found most first authors from global North.
- Why are we seeing this?
- As researchers, what can we do about this?

Discussion point 2 – def'n of scaling

- Only 3 of the published lit frameworks provided def'n of scaling
- Keywords used: diffusion, increasing, sustainability, spread
- Should there be a common def'n to build scaling science OR
- Does a common def'n constrain new perspectives related to scaling science?

Discussion point 3 – framework development process

- 5 items: involvement of stakeholders, data used, consensus process [validated, peer review]
- About half of the frameworks involved diverse colleagues in development; all used data; about half reported a consensus process
- No public or service users involved
- What are best practices in framework development (for scaling)?

Discussion point 4 – published and grey literature

- Many differences
 - Grey lit drawn from various cases, frameworks more transferable
 - Grey lit accompanied by more checklists, tools, etc
 - Grey lit frameworks included working with stakeholders as part of scaling slightly more than published lit
- What is the purpose or motivation of grey literature documents

Future research

To advance the science of scaling, need to determine the effect of using the framework on impact and other variables

Thank you! Any questions?

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