

Outline

- I) SISN: Origins, Rationale, Vision, Mission
- II) Frameworks and Key Concepts
- III) Operationalizing the Concepts (Isabelle)

Implementation Science in Nutrition: Concepts and Frameworks for an Emerging Field of Science and Practice
Current Developments in Nutrition Volume 3, Issue 3, March 2019, nzy080, <https://doi.org/10.1093/cdn/nzy080>

The Opportunity



60 countries are leading a global movement to end malnutrition in all its forms.

60 countries and States of Maharashtra and Uttar Pradesh committed to SUN



Evolution of Countries and States committed to SUN	
2010	Launch
2011	19
2012	33
2013	41 + 1
2014	54 + 1
2015	56 + 1
2016	57 + 2

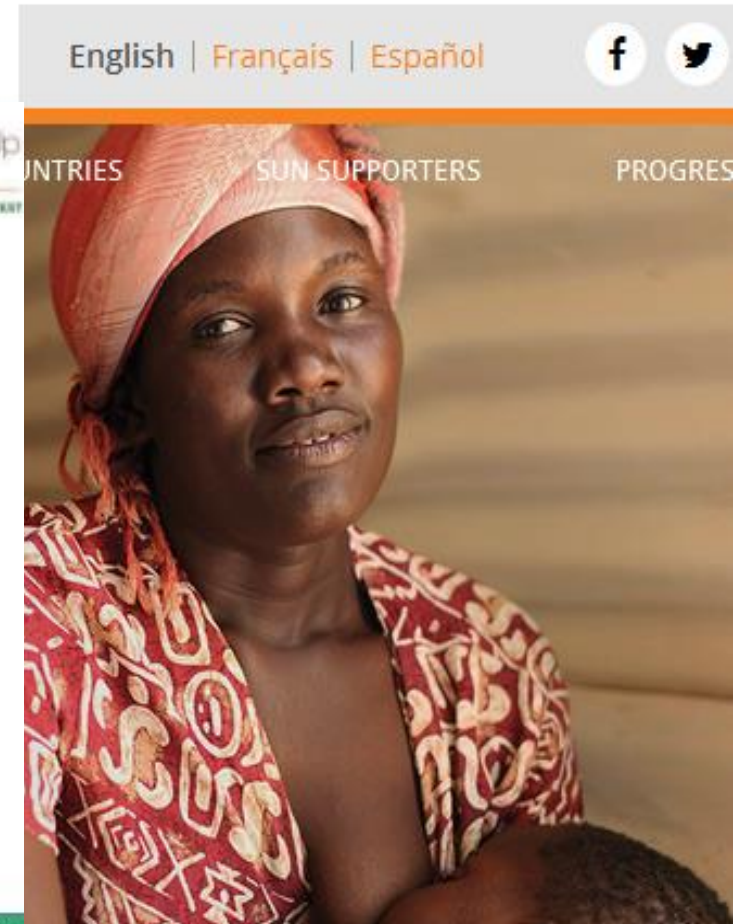
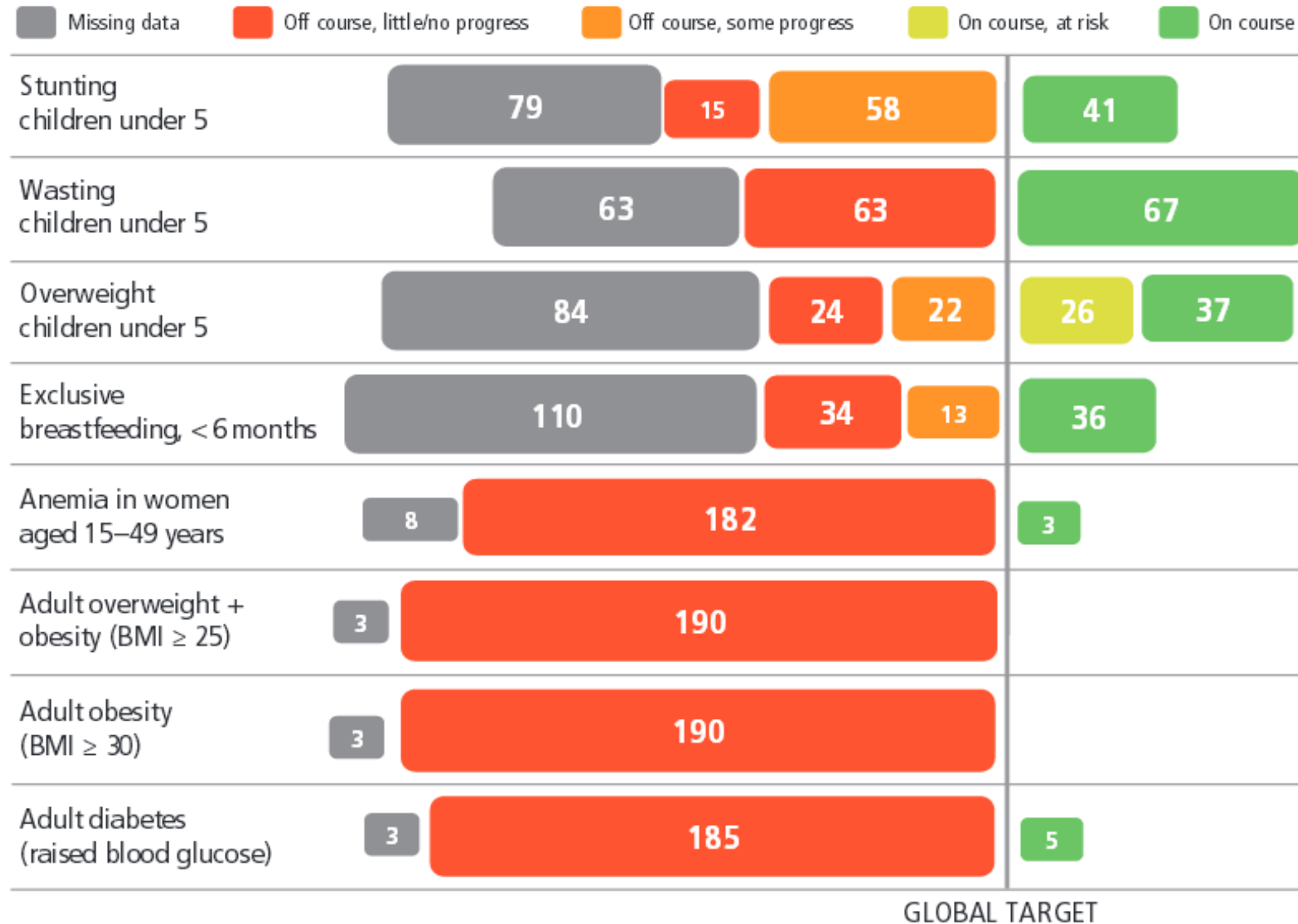


Image source: <http://scalingupnutrition.org/>

The Challenge

FIGURE 2.3 Number of countries at various stages of progress against the global targets on nutrition



Source: Global Nutrition Report 2016

The Challenge

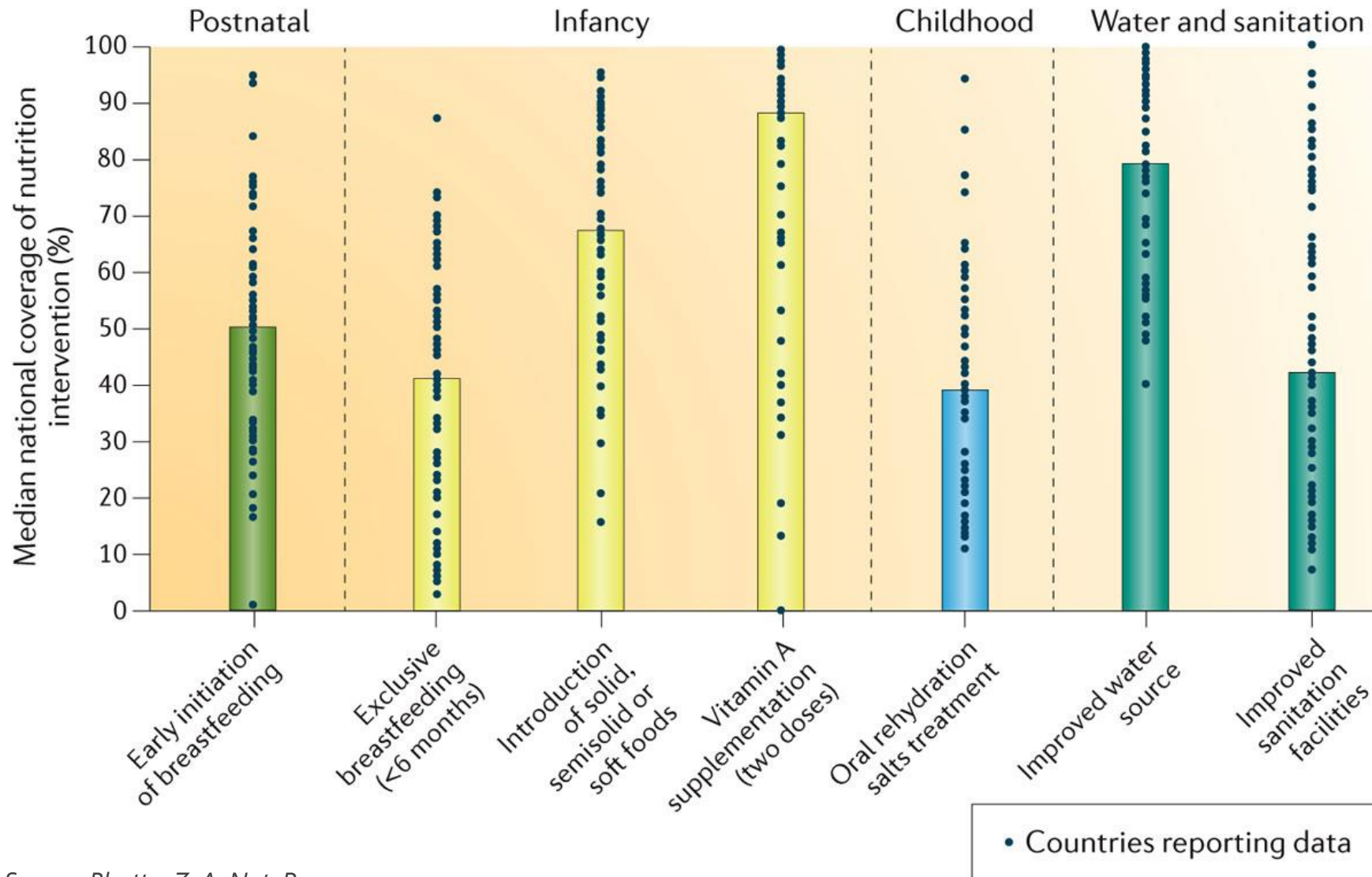


Figure 1: Median coverage and distribution by country of selected nutrition sensitive and specific interventions and behaviors

Source: Bhutta, Z. A. *Nat. Rev. Gastroenterol. Hepatol.* 2016 Aug;13(8):441-2

The Reason for the Challenge

Nutrition Interventions

Nutrition Outcomes



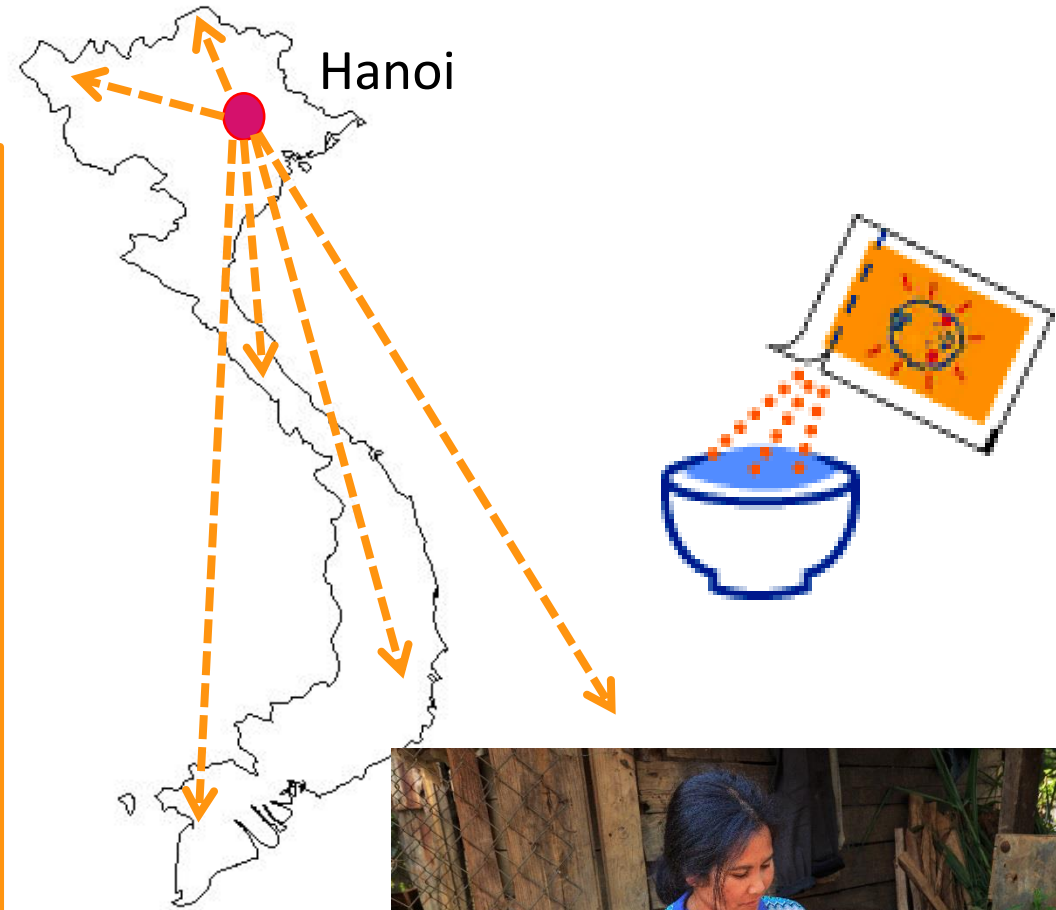
**The Black Box
of
Implementation**

**Nutritional
Status**

An Example: What factors might affect the effectiveness of a national micronutrient powder intervention?

A short list:

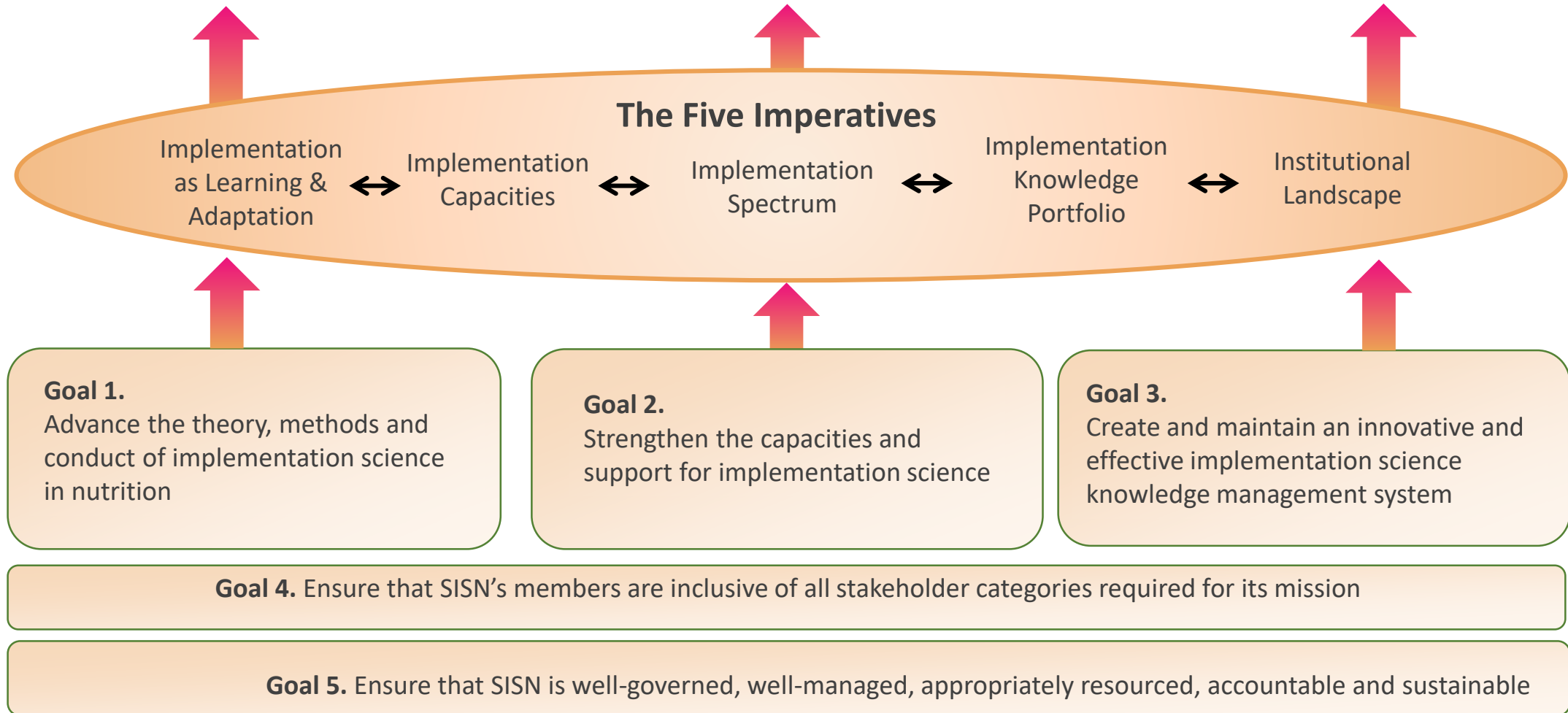
- Govt approval/registration
- Procurement
- Partner support
- Logistics/ distribution
- Inventory management
- Mother's concerns
- Grandmother's concerns
- Household supplies
- Caregiver knowledge & compliance
- Health worker counseling quality
- Training of health workers
- Broader SBCC initiatives
- etc.



The Society for Implementation Science in Nutrition (SISN)

- Formed in 2016; 501(c)(3) NGO
- A professional and scientific member society to advance the theory and practice of implementation science in nutrition
- Members include researchers, implementers, policy makers, funders
- Funding from membership dues, Sight and Life, Eleanor Crook Foundation and special projects (e.g., BMGF/3ie)
- Website: www.implementnutrition.org
- E-mail: implementnutrition@gmail.com
- Twitter: [@implementnutri](https://twitter.com/Implementnutri)

SISN Vision: A world where actions to improve nutrition are designed and implemented with the best available scientific knowledge and practical experience.



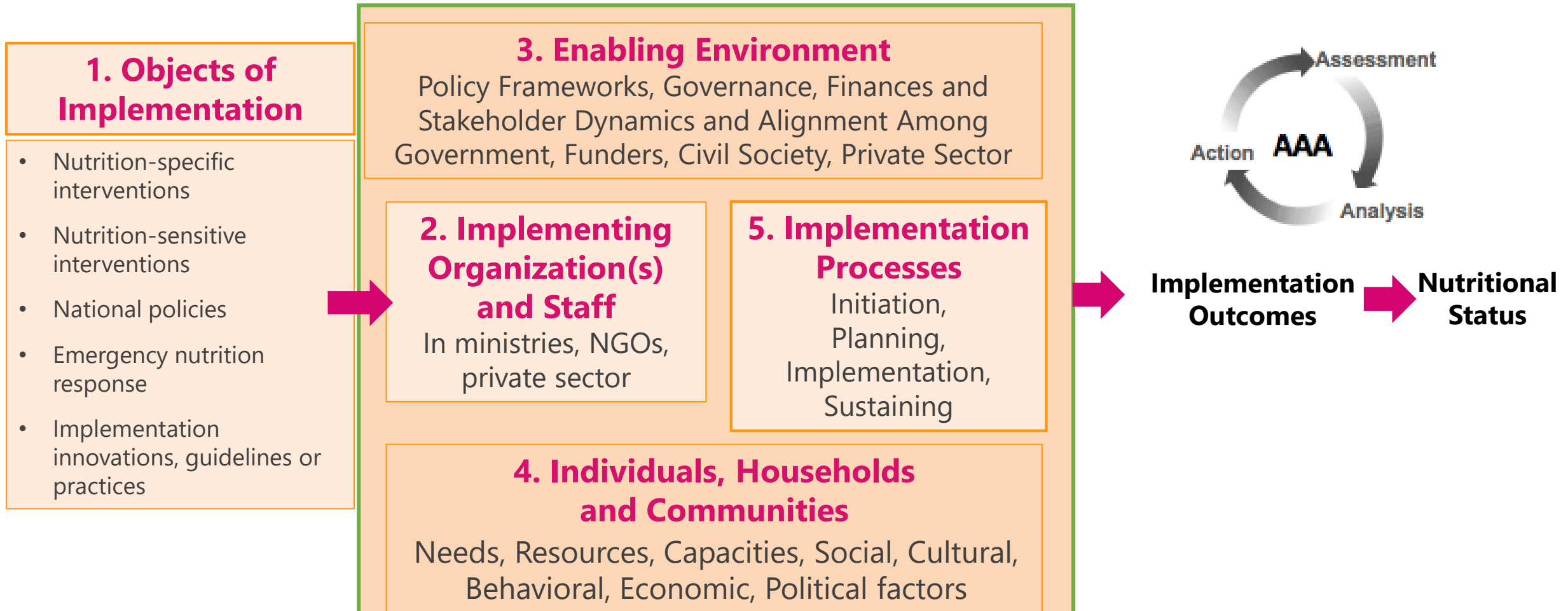
Frameworks and Key Concepts

- 1. Five domains that affect implementation**
- 2. Four “phases” or decision points**
- 3. Three categories of knowledge**
- 4. An integrated framework**
- 5. Five strategies for operationalizing the framework**

1. The Five Domains Whose Characteristics, Capacities, Dynamics and Fit Affect Implementation Quality

Adapted from Damschroder et al.,
Implementation Science 4:50, 2009

THE SOCIETY
FOR IMPLEMENTATION
SCIENCE IN NUTRITION



2. Four “Phases” or Decision Points

	Commitment, Support, Financing and Sustainability		
Objects of Implementation	Initiation and Scoping	Planning and Design	Implementation, Iterative Improvement and Scaling Up
Nutrition-specific interventions			
Nutrition-sensitive actions			
A national multisectoral nutrition agenda			
NGO projects (typically sub-national)			
Implementation innovations			

A Few Examples of IR in the Published Literature

	4. Commitment, Support, Financing and Sustainability		
	18. Prioritizing and Funding the Uganda Nutrition Action Plan 19. Nutrition Leadership: Drivers and Constraints in Four Countries 20. The Gear Model for Scaling Up Breastfeeding		
Objects of Implementation	1. Initiation and Scoping	2. Planning and Design	3. Implementation, Iterative Improvement and Scaling Up
Nutrition-specific interventions	1. Stakeholder Perspectives on Regulating School Food in Mexico	2. Ca and IFA Suppl in Kenya	3. IFA in Pakistan 4. IFA Faltering (DHS)
Nutrition-sensitive actions	5. Stakeholder Perceptions of Nutrition-Sensitive Agric in East Africa	6. National Flour Fortification 7. Landscape Analysis of Nutr-Sensitive Agric in Senegal	
Operationalizing a national multisectoral nutrition agenda	8. Intersectoral Convergence in Odisha, India	9. Governance of MSN in Nepal	10. MSN in Ethiopia and Nepal
NGO projects (typically sub-national)		11. IYCF Behavior Change in Bangladesh 12. Mama Sasha (OFSP) in Kenya 13. IYC Foods in Kenya	14.. HKI Homestead FP in Cambodia 15. QI / PDSA cycles
Implementation innovations	16. MNP Delivery Model in Vietnam 17. Program Assessment Guide (PAG)		

3. Three Categories of Implementation Knowledge

CKE: Contextual Knowledge and Experience (often tacit)

The knowledge and experience of actors in a given country used in everyday decision when planning and implementing programs, including:

- Stakeholder relations, histories and dynamics,
- Capacity strengths and weaknesses,
- What has or has not worked, where, when, how, why
- Formal and informal administrative procedures, etc.

CIR: Contextual Implementation Research

Practical inquiries embedded in and connected to implementation in a given country, such as:

- formative research,
- stakeholder analysis,
- opinion leader research,
- rapid assessments,
- operations research,
- special studies,
- process evaluation,
- costing studies,
- Delphi studies,
- various forms of quality improvement or quality assurance, etc.

GKE: Global Knowledge and Experience

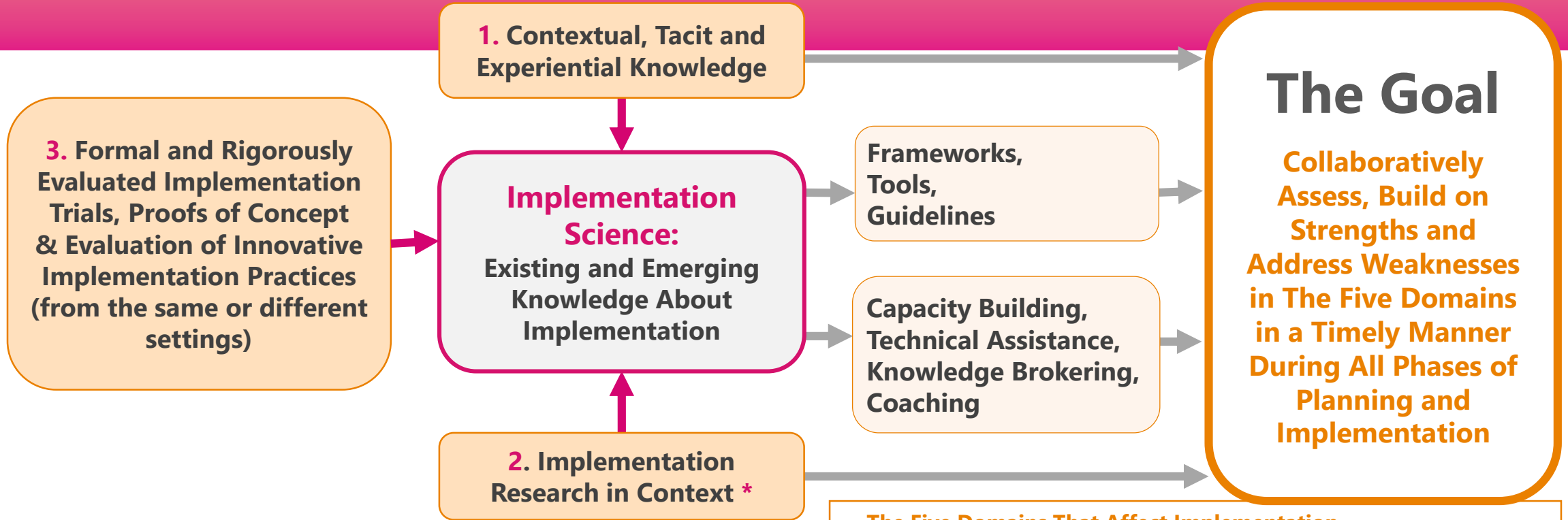
Published or unpublished findings, frameworks, tools and guidelines from:

- implementation research in other countries (*incl. formal trials and evaluations*)
- implementation experience in other countries

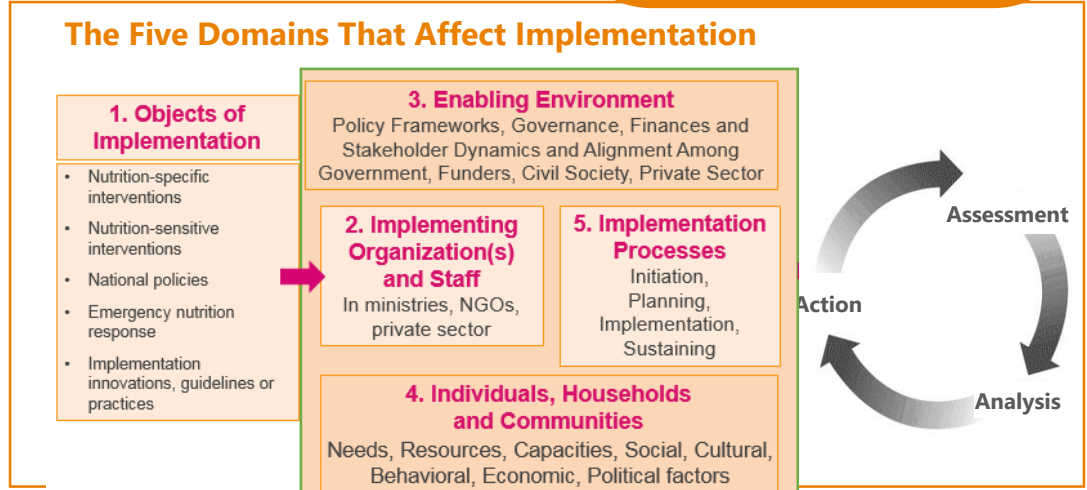
and

Experiential knowledge of practitioners from other countries

4. An Integrated Framework for Implementation Science in Nutrition



$IS = IR + KU$ (use of existing knowledge)



Five Strategies for Operationalizing the SISN Framework

