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THE REPUBLIC OF UGANDA
MINISTRY OF HEALTH

THE SOCIETY
FOR IMPLEMENTATION
SCIENCE IN NUTRITION



International
Initiative for
Impact Evaluation

URC
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THE SCIENCE OF IMPROVING LIVES

REPUBLIC OF KENYA

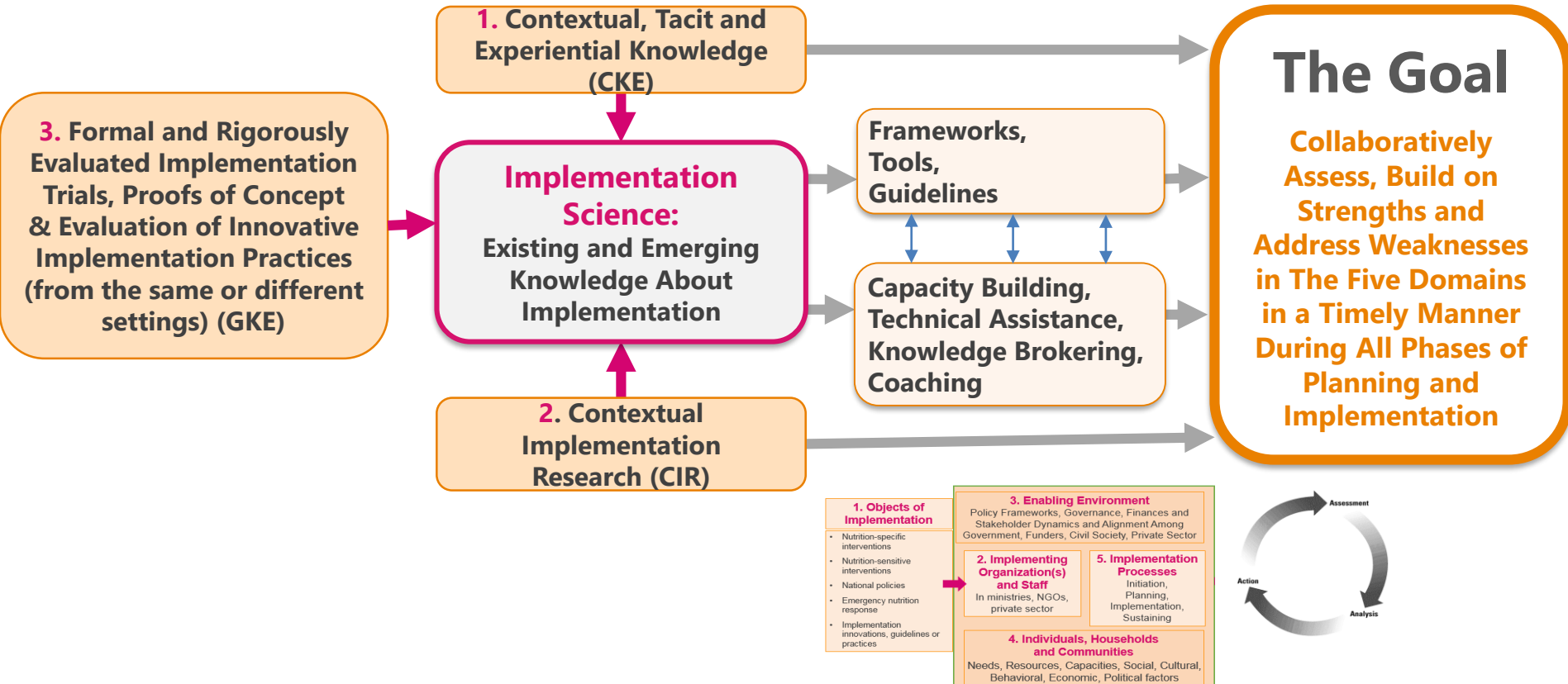


MINISTRY OF HEALTH

Outline

- I) Implementation Science Principles
- II) The Implementation Science Initiative (ISI) in Kenya and Uganda
 - I) Objectives of ISI
 - II) Creation of a core team
 - III) Strategies for operationalizing SISN's framework
- III) Q&A

SISN's Integrative Framework for IS in Nutrition



Implementation Science Principles

1. Collaboratively identify implementation bottlenecks
2. Mobilize existing knowledge, frameworks and tools whenever possible
3. When research is needed, develop implementation research (IR) (rigor, practicability and timeliness)

Implementation Arena: Iron Folic Acid Supplementation (IFAS)

- In food
 - i
 - i
 - C
 - L
 - “R
- In brief, ISI seeks to address bottlenecks and improve IFAS through the use of existing knowledge first and then, the generation of additional evidence through implementation research

Objectives of ISI

1. Strengthen capacity for applying IS at the country level

3. Strengthen implementation of IFAS programs

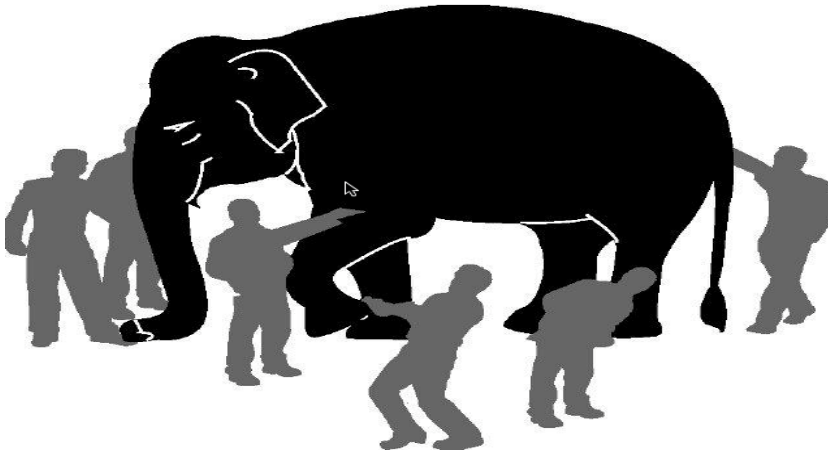


2. Strengthen interaction and knowledge exchange among key actors (policy, program and research)

4. Increase knowledge about how to apply and build capacity for IS

Creation of a core team (1)

Challenge: Lack of a shared understanding



Solution: Build the collective tacit knowledge

Creation of a core team (2)

Support Team

- SISN
- 3ie



National Core Team

- MOH Official or designate
- Sr. Nutrition Expert
- NGO Project Manager
- Researcher(s)



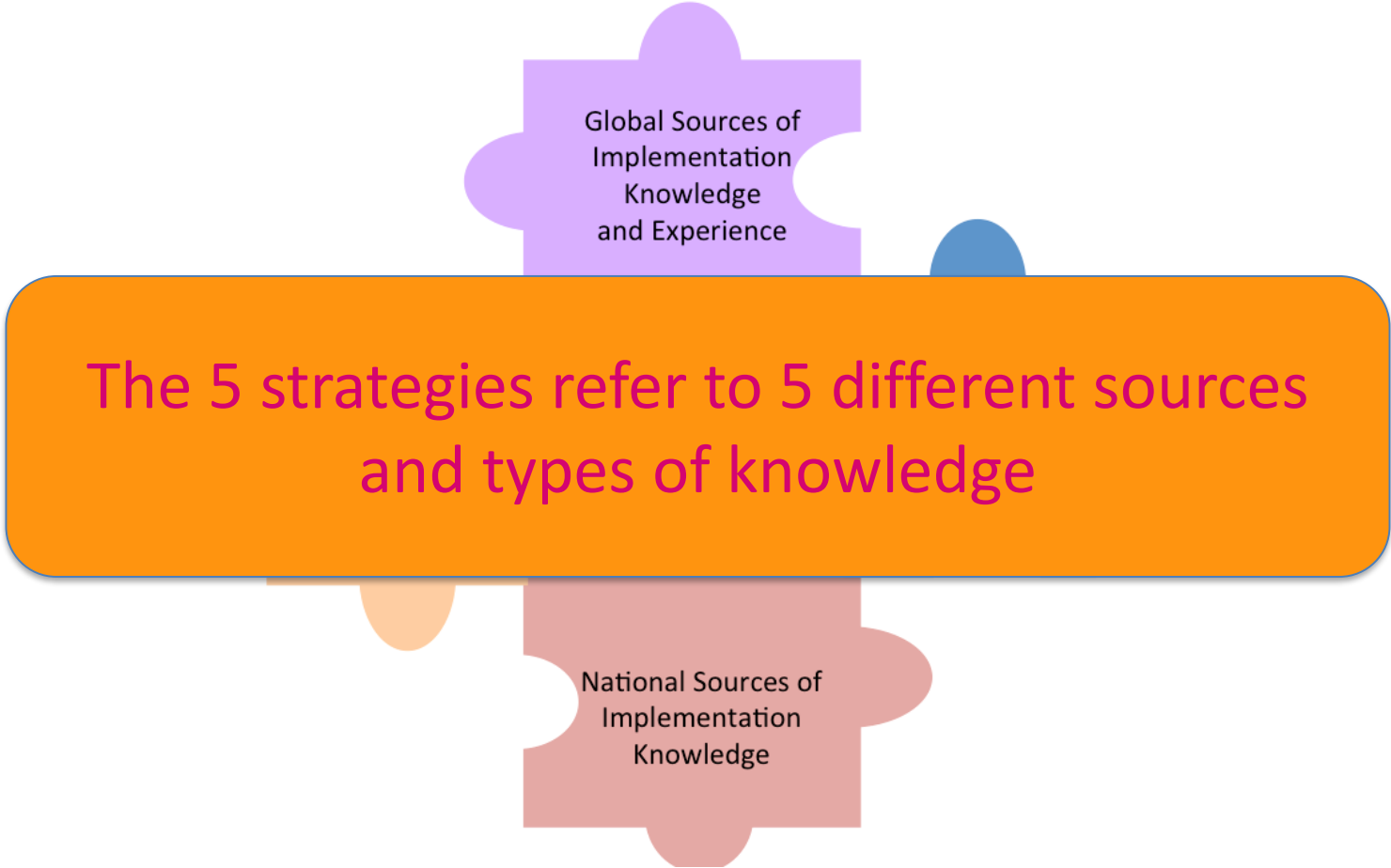
Policy/Program Actors

- MOH policy makers
- MOH program managers
- NGO managers
- Donors
- Other stakeholders

Key Actors

- Policy
- Program
- Research

Strategies for Operationalizing SISN's Framework and Principles

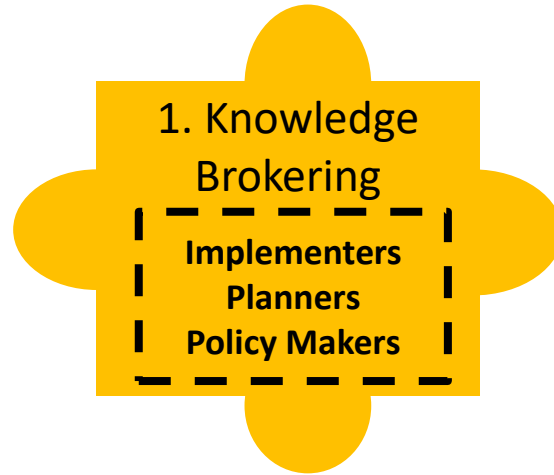


Global Sources of
Implementation
Knowledge
and Experience

The 5 strategies refer to 5 different sources
and types of knowledge

National Sources of
Implementation
Knowledge

Knowledge Brokering

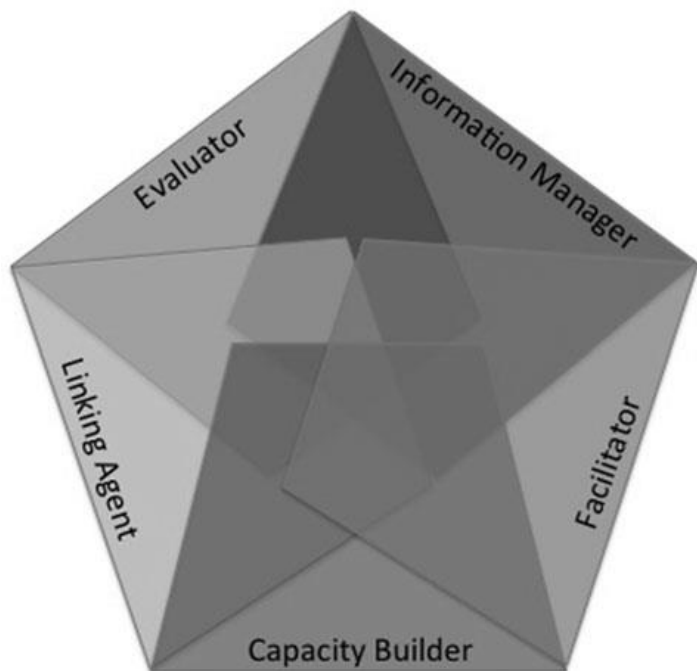


People specifically tasked with accessing and adapting knowledge to meet the needs of implementers, planners and policy makers

Qualities and skills of KNOWLEDGE BROKERS

- | | |
|--|---|
| <ul style="list-style-type: none">• Respect (seniority, reputation, authority)• Credibility (research, content, government)• Accessibility, responsiveness and flexibility for KB roles and activities• Reliability• Self-confidence• Motivational skills (enthusiastic and creative) | <ul style="list-style-type: none">• Interpersonal skills and team builder• Oral and written communication skills• Tact, diplomatic and mediator• Tireless commitment and determination• Problem-solving skills• Networking skills and an existing network• Change management skills |
|--|---|

KNOWLEDGE BROKERING team

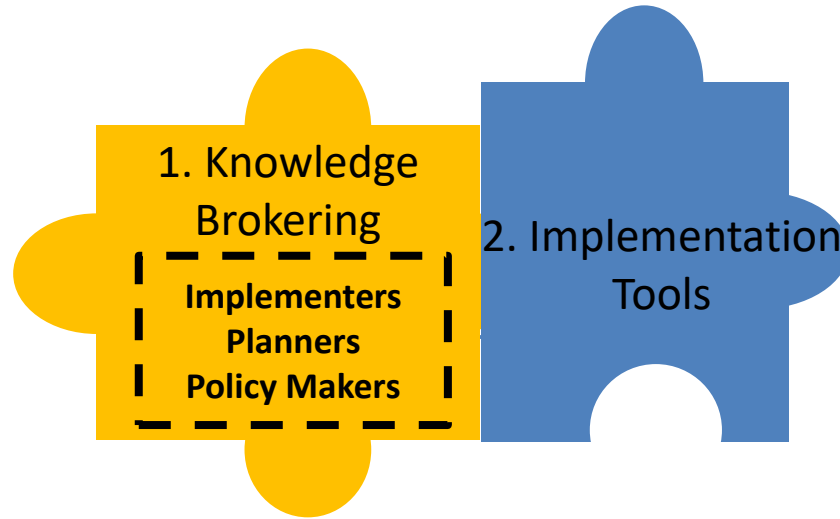


- Difficult to identify one person with all key qualities and skills
- Five role domains¹
- ISI uses one key actor who play KB roles and a two-level KB strategy
 - Level 1: national, implementers
 - Level 2: global, SISN

Raising awareness about KNOWLEDGE BROKERING

- Increase the awareness of the project coordinators on their KB roles
- Assess the dynamics of the core team members to create a favorable environment: tool such as the Belbin team roles
 - Innovator, coordinator, monitor evaluator, implementer, completer finisher, resource mobiliser, shaper, teamworker
- Develop terms of reference for the different groups

Implementation Tools



Accessible, fit-for-purpose tools to address common implementation challenges

IMPLEMENTATION TOOLS

Challenge: Multiple barriers are experienced during implementation



Strategy: Need to use various tools in order to overcome them

IMPLEMENTATION TOOLS:

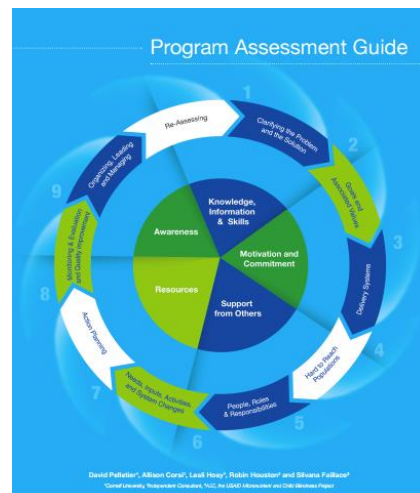
Bottleneck assessment workshop

Pre-workshop:

- Conducted district assessment using *District Assessment Tool for Anemia (DATA)* tool¹

Workshop:

- Participants: ministries, academia, local government & partners
- Modified the *Program Assessment Guide*²
- Participatory – group and plenary discussions

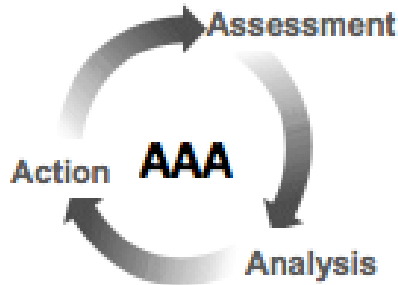


Sources: 1) www.spring-nutrition.org ; 2) www.a2zproject.org/pdf/PAG.pdf

IMPLEMENTATION TOOLS: Bottleneck inventory

Inquiry approach: Triple-A cycle helps to assess bottlenecks in an ongoing manner

Bottleneck inventory : documentation helps building a rich repertoire of bottlenecks related to IFAS



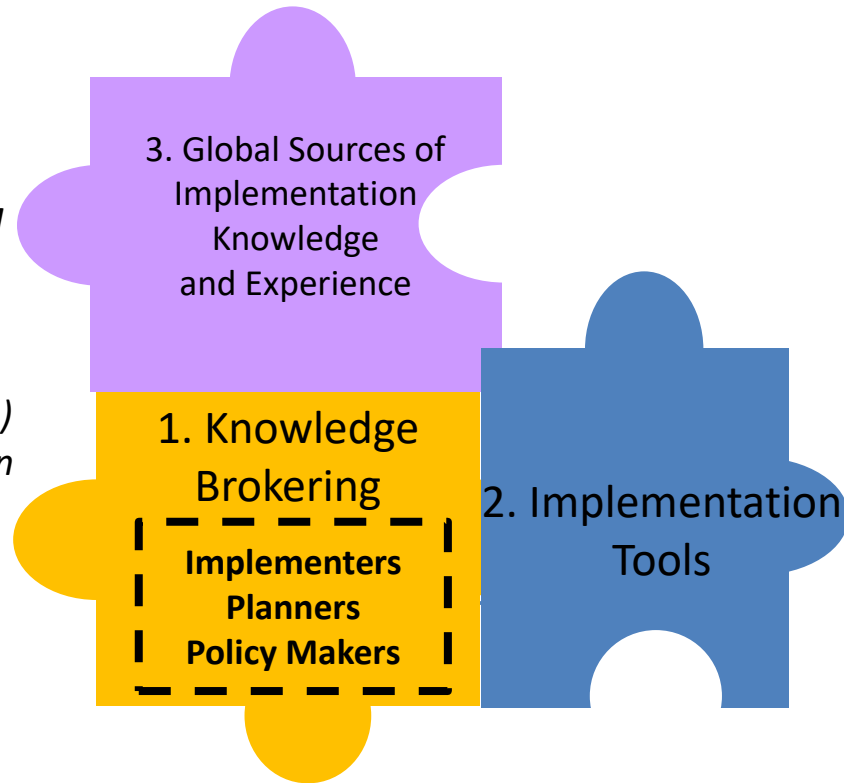
Strategy 3

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

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

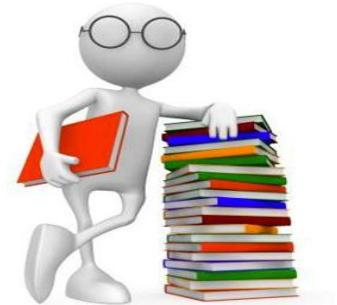
AND

Experiential knowledge of practitioners from other countries



Use **EXISTING** global knowledge and experience

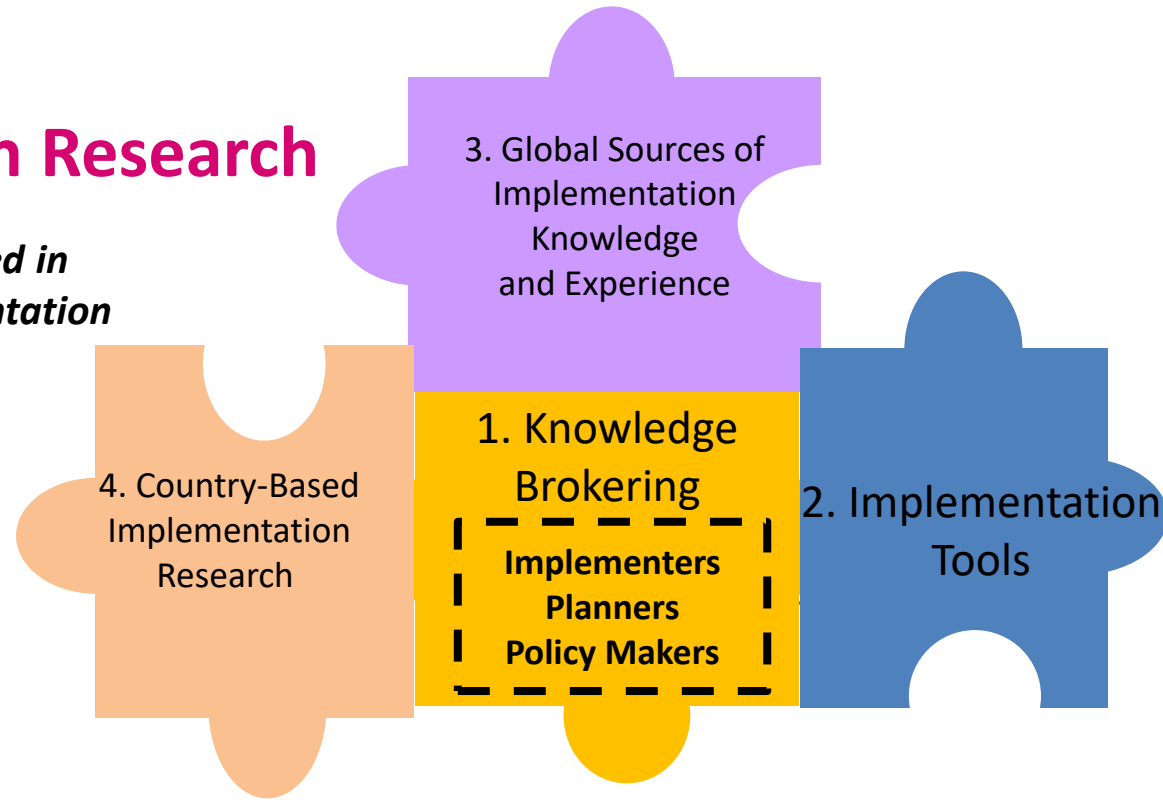
- Carry out selected literature review on selected topics
 - IFAS
 - Quality Improvement approaches
 - Research design
 - Bottleneck assessments
- Develop various guidance notes
- Refer to SISN technical working group



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.*



Implementation Research

Challenge: Knowledge gaps on various implementation aspects limit progress



Strategy: Develop research questions based on:

- gaps identified
- implementation priorities
- potential solutions

Implementation Research

SERVICE DELIVERY SYSTEM

1. Uncoordinated health education

SUPPLY CHAIN SYSTEM

2. Regular stock-outs of IFA

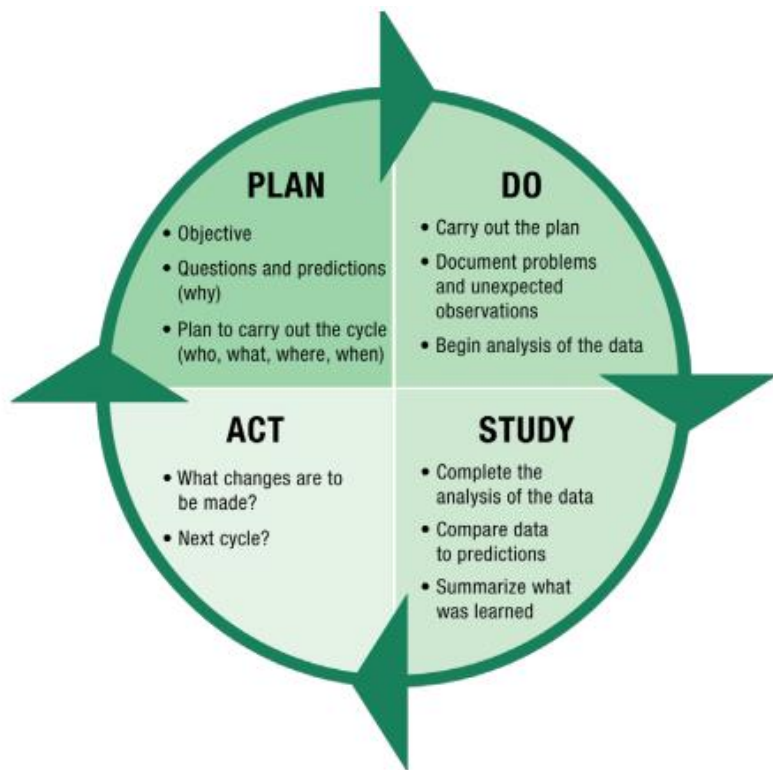


INTERVENTION: quality improvement approach to improve IFAS

USER SYSTEM

3. Lack of male involvement in supporting pregnant women to seek ANC services

Quality Improvement Approach

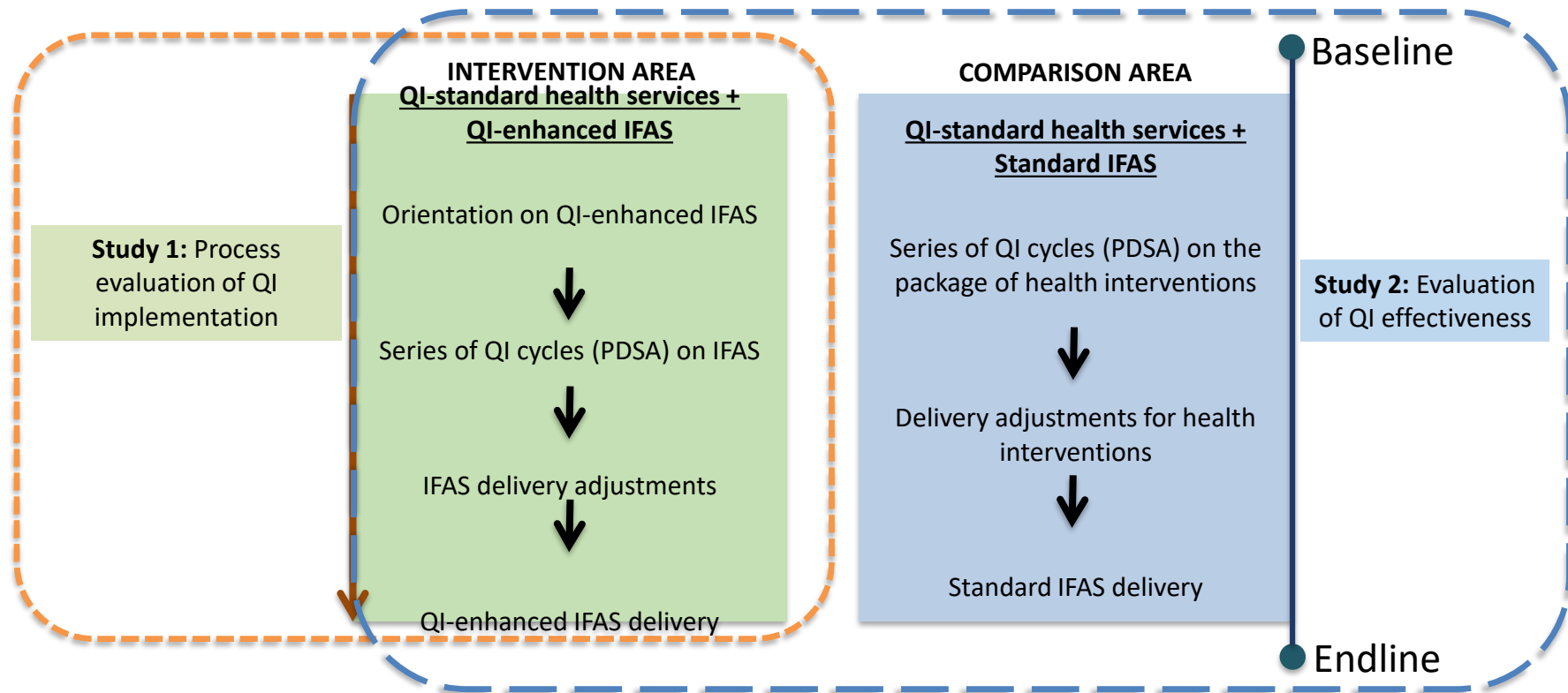


- URC supports Quality Improvement (QI) teams in health facilities
- PDSA cycles on a package of health interventions

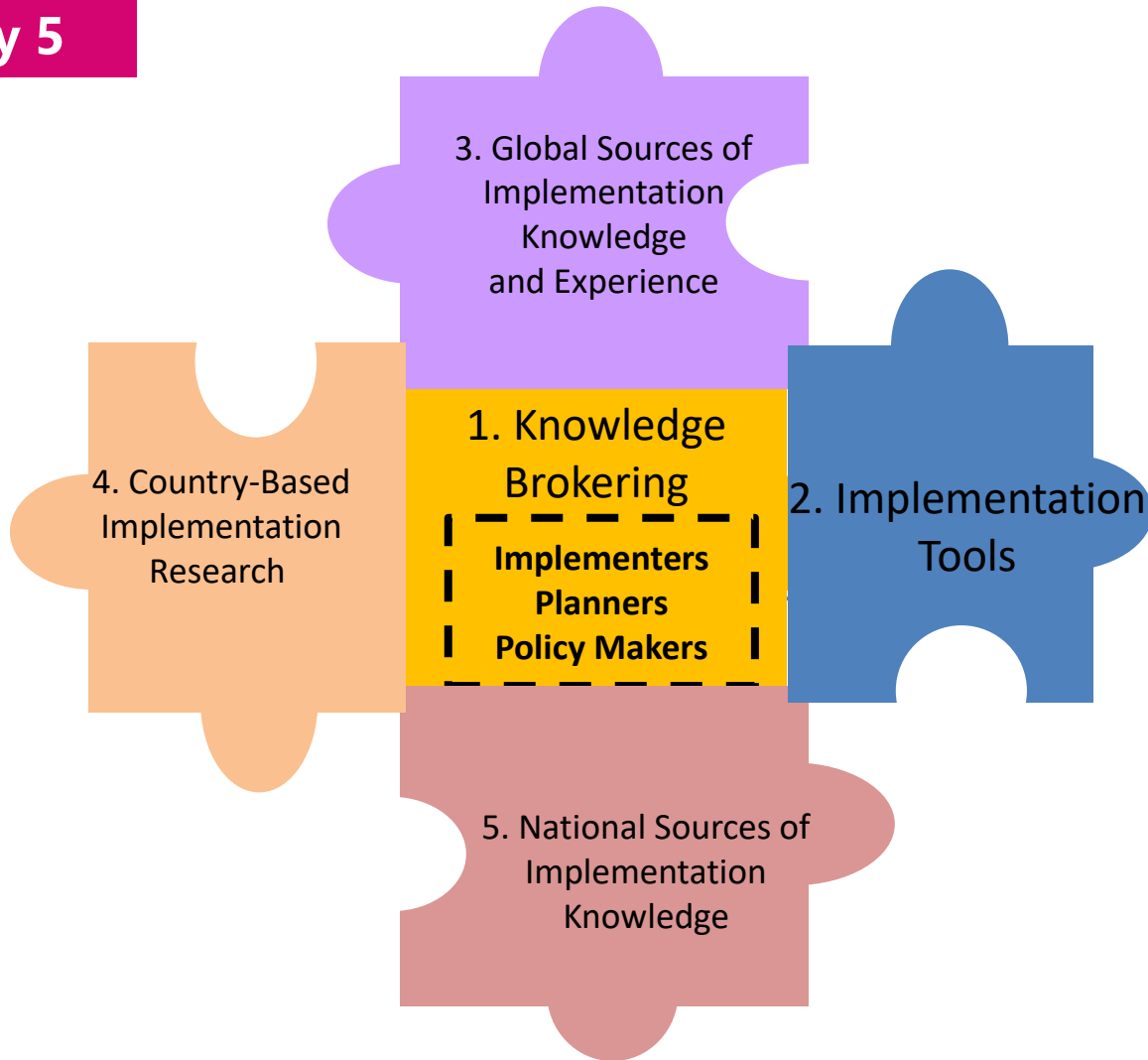
INTERVENTION: QI-enhanced process for IFAS

- Bi-monthly mentorship and coaching session
- Bi-weekly data management and reporting
- QI work planning meetings
- Collaborative learning networks ...

Effectiveness-implementation hybrid design



Strategy 5



IS Network

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.*

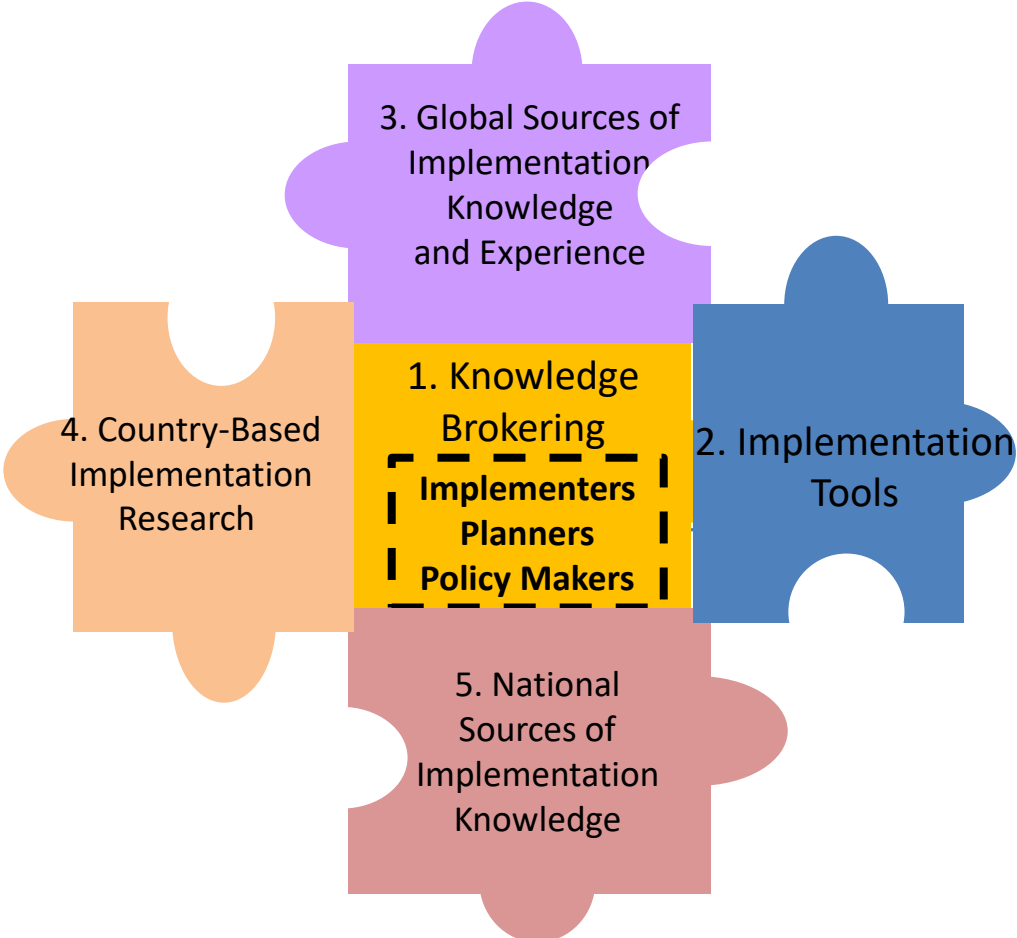
IS Network

Challenge: Limited or sparse efforts on IS in health and nutrition in the country



Strategy: Build an IS network in the country and link with global networks and key actors

Five Strategies for Operationalizing the SISN' Framework



Additional component: documentation

Challenge: Limited understanding of how to strengthen capacity for IS while improving implementation of a specific program



Strategy: Reflective practice with key actors and documentation of the overall experiences


Paper on SISN's Frameworks and Concepts

PERSPECTIVES AND
OPINIONS

CURRENT DEVELOPMENTS IN NUTRITION

Implementation Science in Nutrition: Concepts and Frameworks for an Emerging Field of Science and Practice

Alison Tumilowicz ¹, Marie T Ruel ², Gretel Pelto ³, David Pelletier,³
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Mandana Arabi,⁸ Lynnette Neufeld ¹, Rachel Sturke,⁹ on behalf of The Society for Implementation Science in Nutrition

¹Global Alliance for Improved Nutrition; ²International Food Policy Research Institute; ³Cornell University; ⁴Sight and Life; ⁵FHI360; ⁶Nutrition International; ⁷NY Academy of Sciences; ⁸Save the Children US; and ⁹National Institutes of Health



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Question & Answer

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SISN's vision is a world where actions to improve nutrition are designed and implemented with the best available scientific knowledge and practical experience

www.implementnutrition.org