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Feed the Future Research Measuring Impact & Linking to Scaling

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USAID/Rwanda

AGENDA

Overview: Research for Global Food Security

Measuring the Impact of Research

Strengthening the Linkage between Research and Technology Scaling

Discussion & Resources

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Overview: Research for Global Food Security

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The Role of Research in Achieving Global Food Security

GFSA. U.S. food security investments should "harness science, technology and innovation"; emphasizes diverse research partnerships.

GFSS. Research "…ensure[s] a pipeline of innovations, tools and approaches designed to improve agriculture, food security, resilience and nutrition priorities in the face of complex, dynamic challenges."

GFS Research Strategy. Detailed articulation of how research contributes to high-level food security objectives, principles for research implementation, technical priorities**.**

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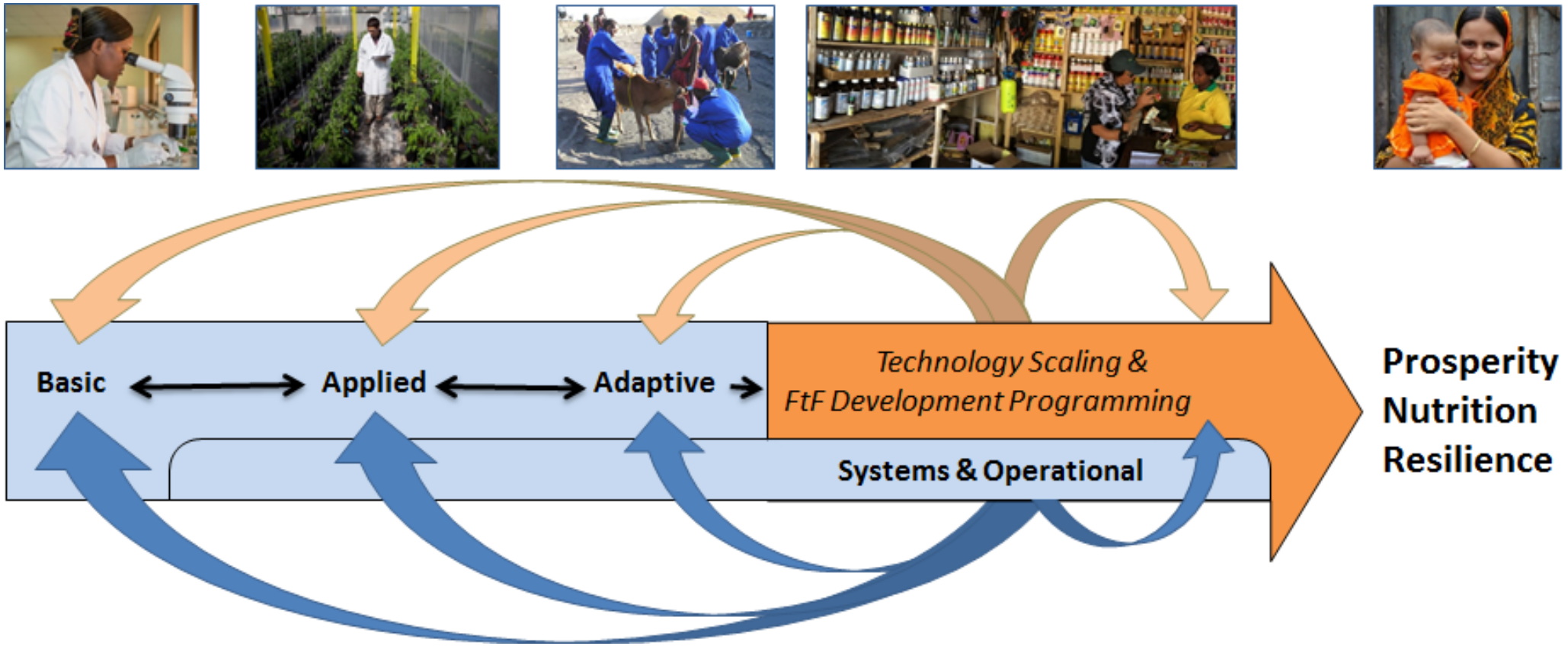
The GFS Research Strategy *(in a nutshell)*



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Core Operating Principles for GFS Research Investments

- Embrace purpose-driven research.
- Generate and sustain global public goods.
- Leverage data to accelerate research impacts.
- **Continuous learning, adaptation, and communication through monitoring and evaluation.**
- Promote empowerment and equitable participation in science.
- **Strengthen agricultural innovation systems.**
- **Orient research efforts to support technology scaling.**

Research Best Practices to Promote Successful Technology Scaling:

- Explore & identify potential scaling pathways early in the R&D process.
- Cultivate active and increasing collaboration between researchers and potential scaling partners as innovations advance through the pilot and adaptive research phases.
- Use participatory research methodologies that engage intended end-users and potential public or private sector disseminators in co-design and testing of innovations.
- Solicit and respond to ongoing, iterative feedback from end-users, stakeholders and technology scaling partners to inform activities throughout the research pipeline.
- Maintain progressively lighter engagement by research partners as advisors after transferring to technology scaling partners.

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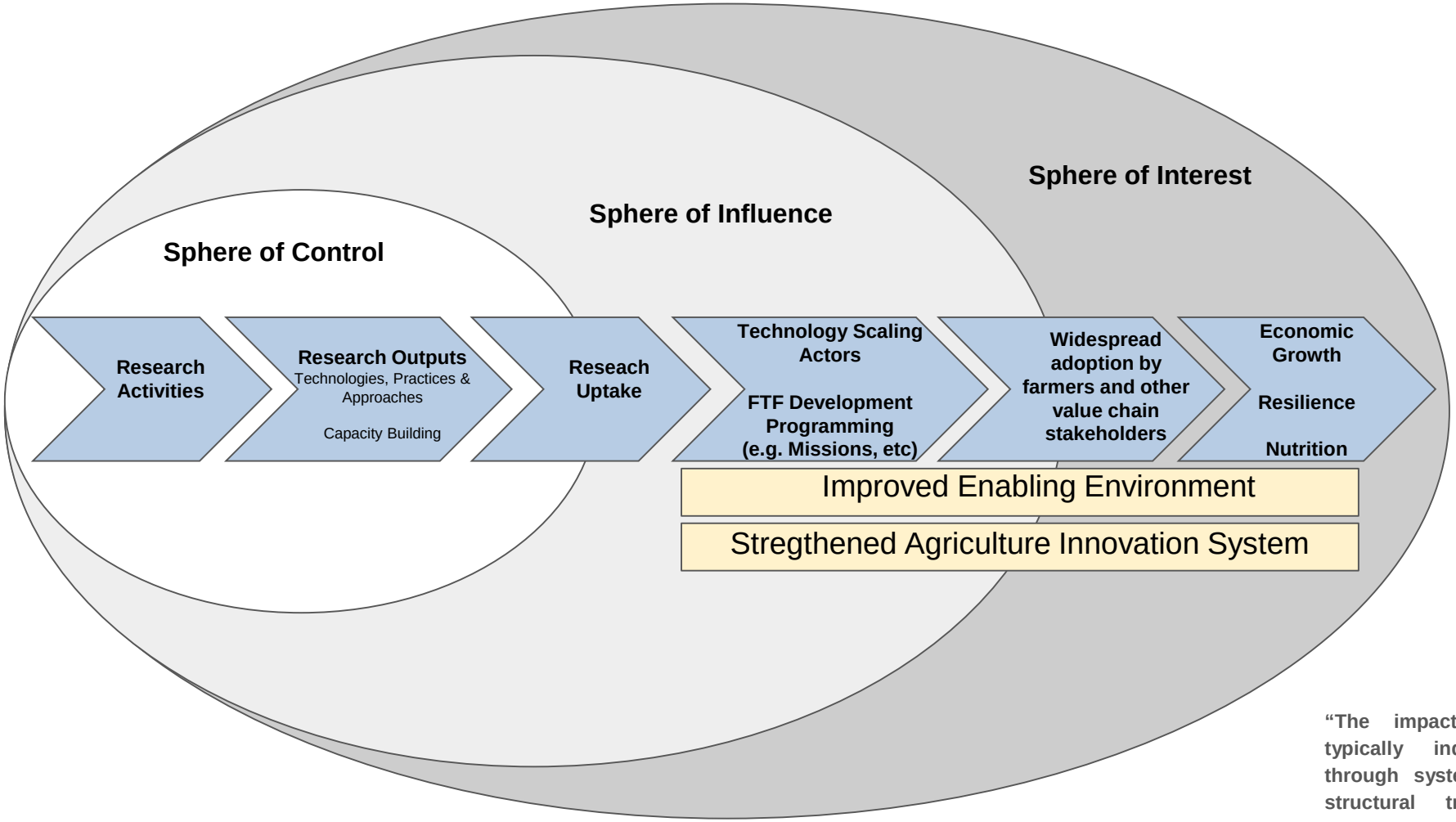
Measuring the Impact of Research

Measuring Impact of Agriculture Research



"The impacts of R&D are typically indirect, operating through systemic change and structural transformation" - Pray, Masters & Ayoub (2017)

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Measuring Impact of Bureau of Food Security Research

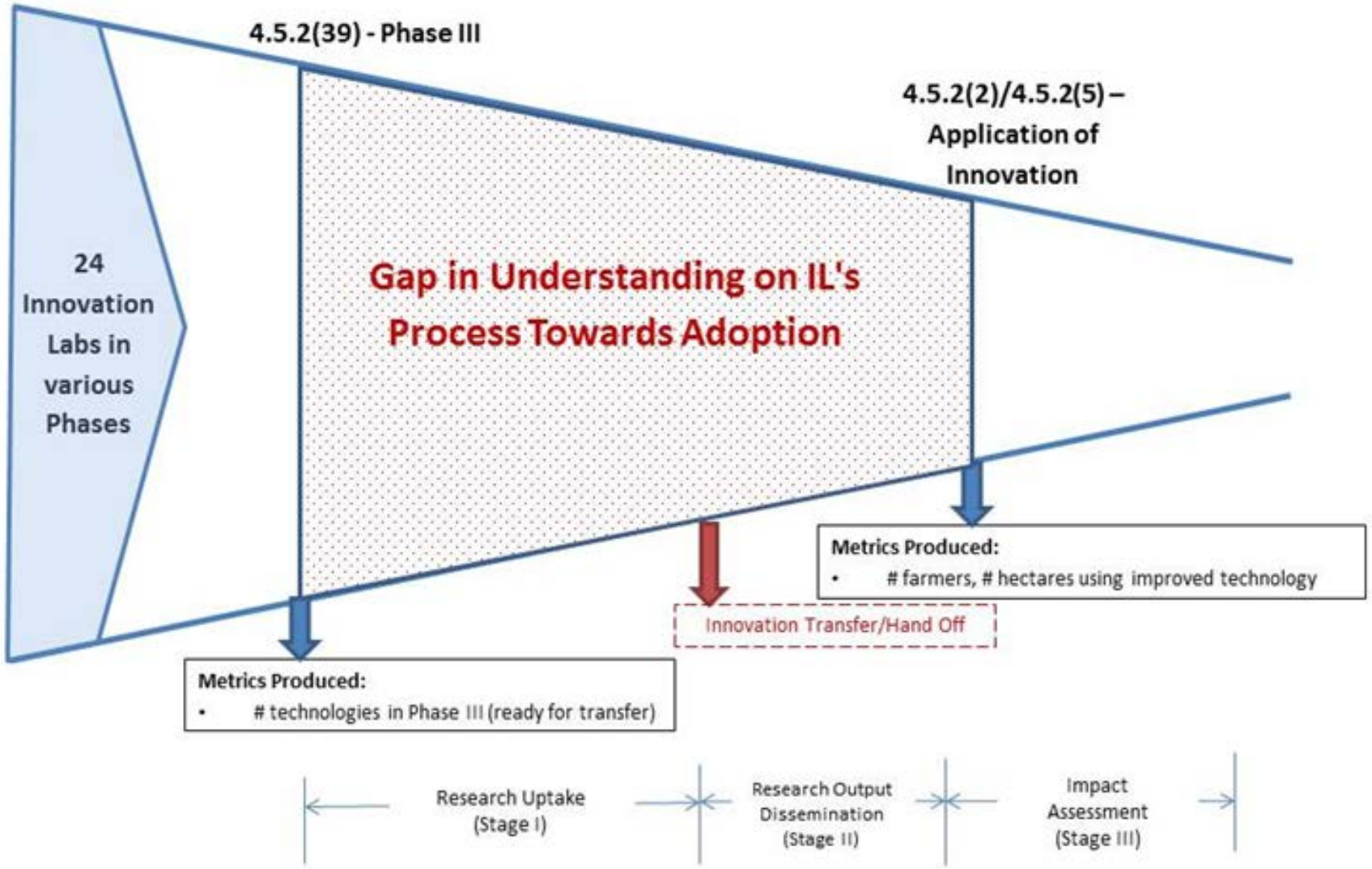
I. Research Impact Assessment

II. Modification of the FTFMS Research Indicator

III. Enhancement of Program Management Guidance Handbook

IV. Research Rack Up

Research Impact Assessment



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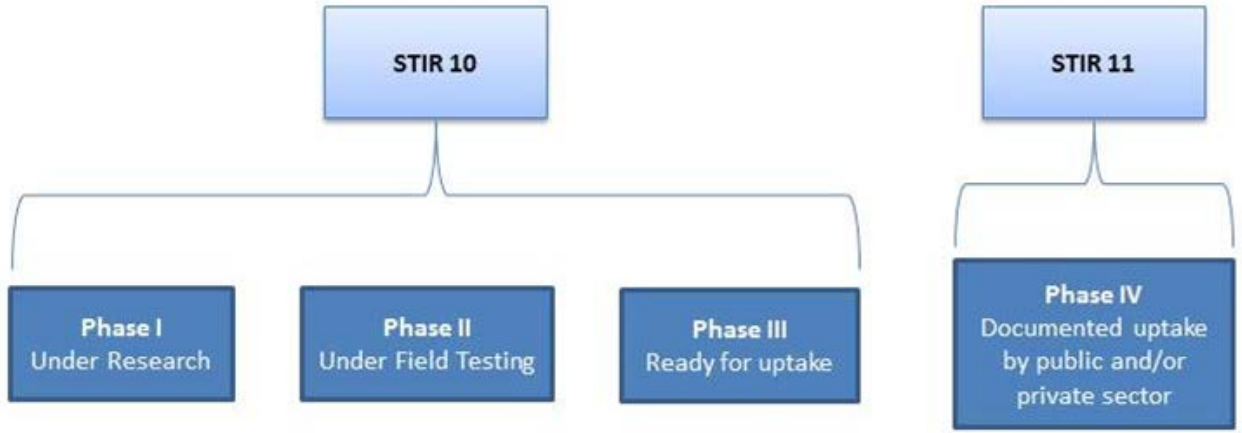
UC Davis
Int'l Program Office

FTFMS Research Indicator

- **Clarify guidance on phase selection by technology or pratice type**
- **Expanded scope to include ‘approach’**
- **Distinguish end user and next user**
- **Add Phase IV - Demonstrated Uptake**



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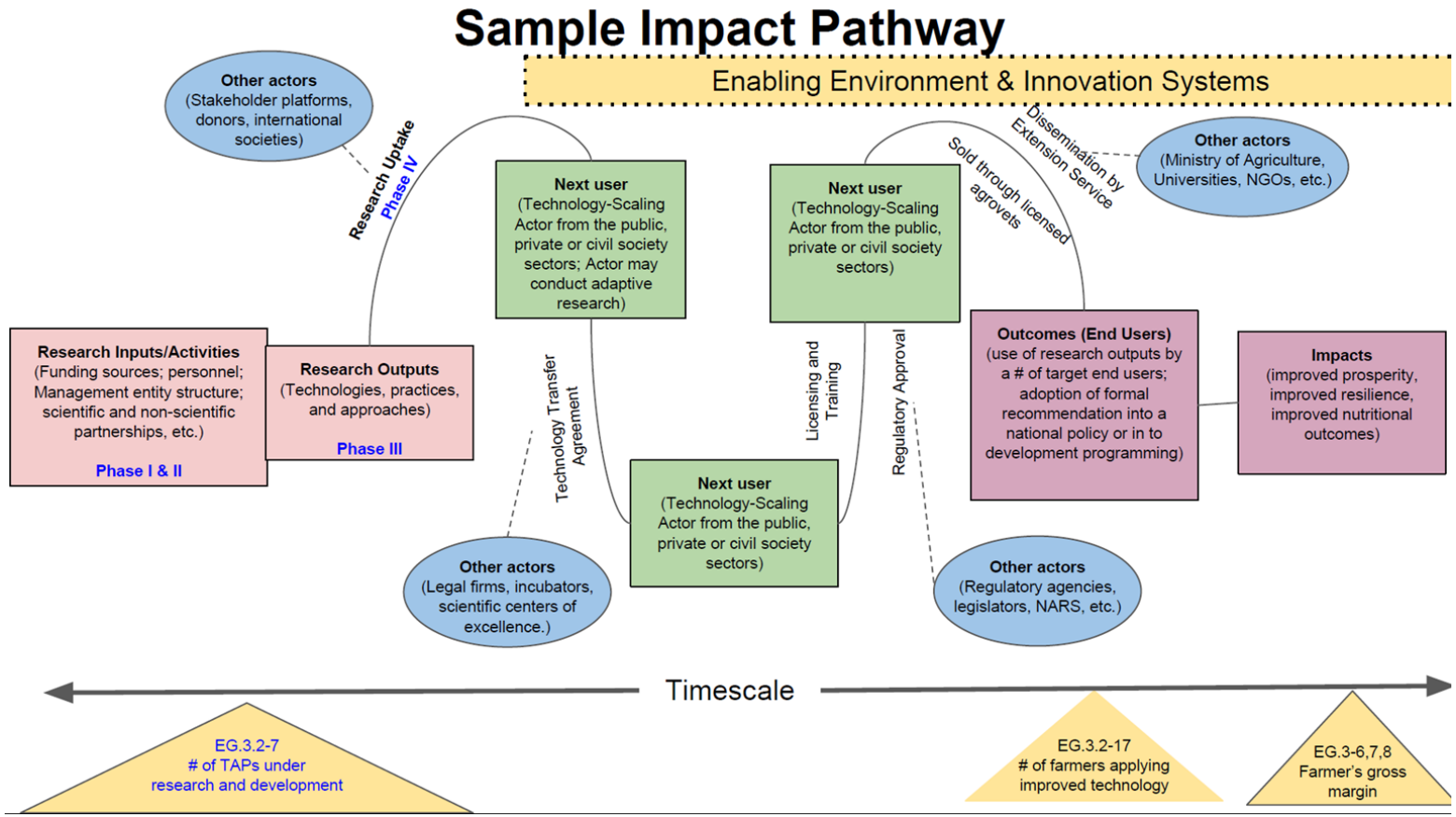
Program Management Guidance

- **Enhanced guidance on Theory of Change and Impact Pathways**



Research Rack Up

- **Database of research ouputs**
- **Complements counts of FTFMS Research indicator**
- **Output details such as type, thematic relevance, and scientific organizational source**

Strengthening the Linkage between Research and Scaling

Strengthening the Linkage Between Research and Scaling

I. Agricultural Scalability Assessment Tool

II. Case Studies on Scaling Agricultural Technologies

III. Global Innovation Exchange

IV. FTF Partnering for Innovation

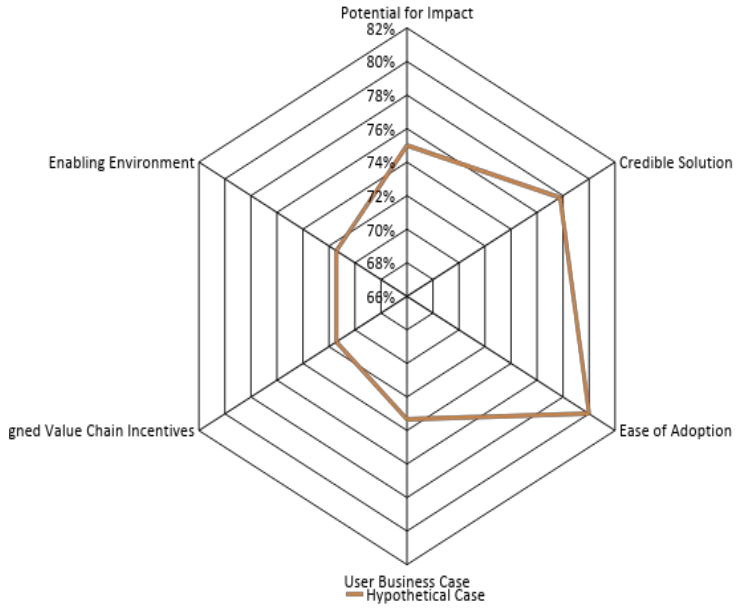
V. Capacity Development for Agricultural Innovation Systems

VI. CESAIN

Strengthening the Linkage Between Research and Scaling

Agricultural Scalability Assessment Tool

Weighting scalability using scaling categories



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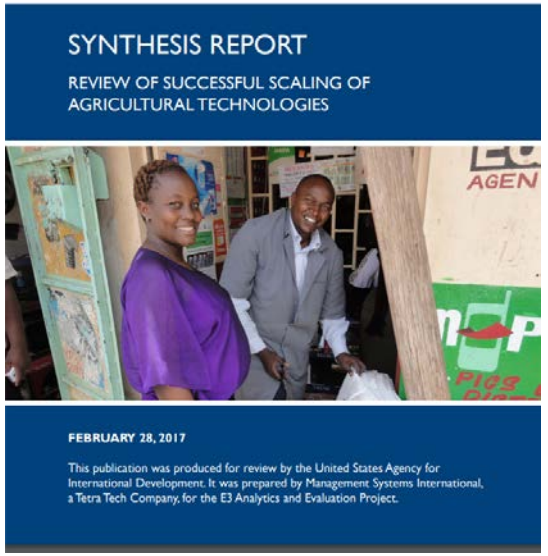

Case Studies

Scaling Agricultural Technologies

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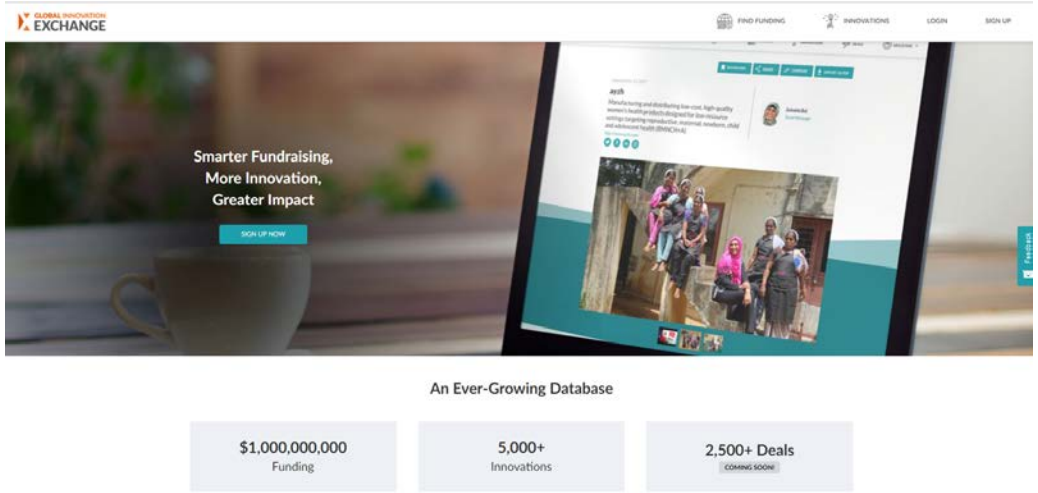
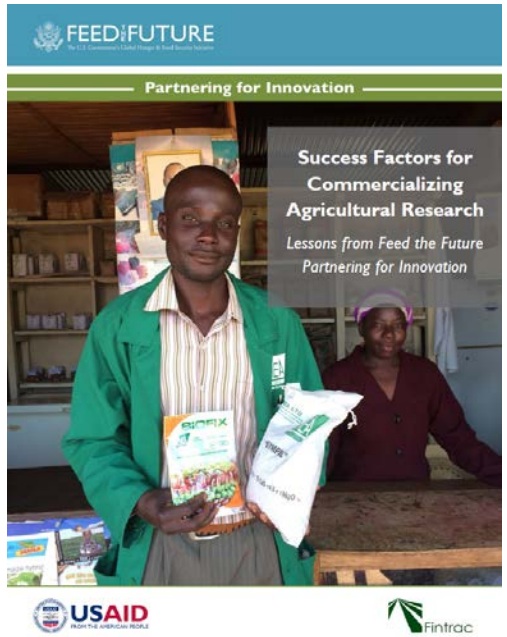
**GFSS Technical Guidance - Scaling Technologies and Practices

Strengthening the Linkage Between Research and Scaling

Global Innovation Exchange



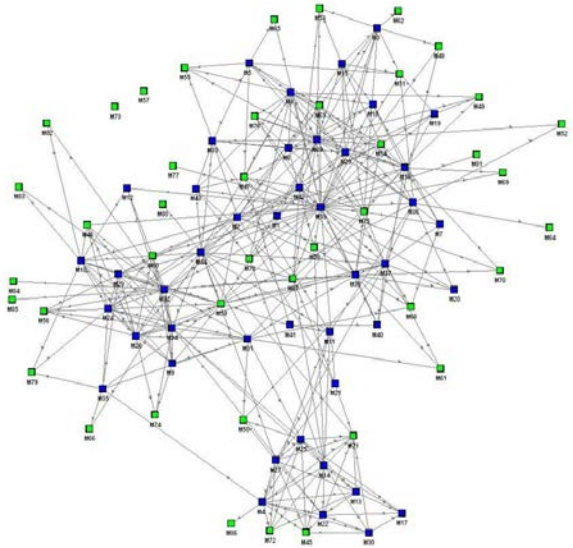
https://go.globalinnovationexchange.org/



Feed the Future Partnering for Innovation

Strengthening the Linkage Between Research and Scaling

Capacity Development for Agriculture Innovation Systems



Center of Excellence on Sustainable Agricultural Intensification and Nutrition

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Discussion & Further Resources

Useful Resources

U.S. Government's Global Food Security Research Strategy

(https://feedthefuture.gov/resource/us-governments-global-food-security-research-strategy)

U.S. Government's Global Food Security Strategy and Technical Guidance

(https://feedthefuture.gov/lp/guidance-and-tools-global-food-security-programs)

Success Factors for Commercializing Agricultural Research

(http://partneringforinnovation.org/resources.aspx)

INGENAES Gender Assessment Toolkit for Agricultural Technologies

(https://ingenaes.illinois.edu/apply/technology-profiles/)

Review of Successful Scaling of Agricultural Technologies

(https://agrilinks.org/library/synthesis-report-review-successful-scaling-agricultural-technologies)

Insights on Measuring the Impact of Innovation

(http://insights.globalinnovationexchange.org/resources/insights-measuring-impact-innovation)

Discussion

How can we improve our ability to track and measure impact?

How can we accelerate uptake by technology scaling actors?

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Thank you!

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