Scaling Readiness of Natural Resource Governance Framework & Sustainable Natural Resources and Livelihood Programme in Sudan

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Before Starting ....
Scaling Readiness Basics
Why Scaling Readiness?

Need for integrating Research and Innovation Processes

- CGIAR focus (and comparative advantage) is science-based innovations

- There is substantial learning generated by NASA and EU on how to manage innovations and innovation portfolios
Why Scaling Readiness?

Need for measures combining technical excellence with actual use

- Technical excellence does not imply use at scale
- "Innovation Readiness" and "Innovation Use" need to be simultaneously identified for right context-specific scaling and impact strategies
What does Scaling Readiness help with?

- Project Management
- Portfolio Management
- Stakeholder Management
- Innovation Prioritization
- Evidence Management
- Innovation Science
INNOVATION PROFILES and PRIORITIZATION

- Dashboards and hardcopy innovation profiles
- Seeing the components and their readiness
- Seeing the locations, impact areas, SDGs and ...
Combining innovation packages at the country, initiative and center levels

- Innovation packages combine technologies with tools and arrangements
- Innovation packages share some innovations
- Not all innovations have the same readiness

So we can holistically see what we innovate and how to synergize learnings and investments and what to prioritize.
Scaling Readiness Up to Now
Scaling Readiness Implementations
Timeline, Locations and Innovation Packages

GLOBAL EXPERIENCE ON DIVERSE INNOVATION TYPES

Scaling Readiness Countries

- Design (2017-2018)
- Development (2018-2019)
- Full Implementation (2019-2021)
- Partial Assessment (2020-2021)
- Full Assessment (2020-2021)

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Innovation Types Based on CGIAR Definition

<table>
<thead>
<tr>
<th>Policy</th>
<th>Capacity Building</th>
<th>Technology</th>
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<tbody>
<tr>
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<tr>
<td>1. Cambodian Cassava National Policy</td>
<td>✔</td>
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<tr>
<td>2. Potato Late Blight Management Tool</td>
<td>✔</td>
<td>✔</td>
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<tr>
<td>3. Single Disease Stem Removal Approach For Managing Banana Xanthomonas Wilt</td>
<td>✔</td>
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<td>4. Cassava Agronomy At Scale</td>
<td>✔</td>
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<tr>
<td>5. Decision Support Tool For Cassava Production</td>
<td>✔</td>
<td>✔</td>
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<tr>
<td>6. Triple 3 + Sweetpotato Plant Material Storage</td>
<td>✔</td>
<td>✔</td>
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<tr>
<td>7. Cassava Peel Processing Equipment For Feed Production</td>
<td>✔</td>
<td>✔</td>
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<tr>
<td>8. Sectoral Collaboration For Better OFSP Puree Use</td>
<td>✔</td>
<td>✔</td>
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<tr>
<td>9. Supplementary Irrigation Water Management System</td>
<td>✔</td>
<td>✔</td>
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<tr>
<td>10. Community Based Breeding Program For Small Ruminants</td>
<td>✔</td>
<td>✔</td>
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<tr>
<td>11. Cactus Based Complementary Feed</td>
<td>✔</td>
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<td>12. Mechanized Raised Seedbed Technology</td>
<td>✔</td>
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<td>13. Multi-Functional Lentil Varieties</td>
<td>✔</td>
<td>✔</td>
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<tr>
<td>14. Apical Cuttings Technique For Potato Plant Material</td>
<td>✔</td>
<td>✔</td>
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<tr>
<td>15. Training And Certification Program For High Quality Pig Feed</td>
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CGIAR INNOVATION PACKAGES AND SCALING READINESS FRAMEWORK (Under development)

Core Innovations and Innovation Packages

- **Core Innovation:** Innovations that are at the heart of initiatives and that are expected to contribute to impact at scale.
- **Innovation Package:** Combination of interrelated innovations and enabling conditions that, together, can lead to transformation and impact at scale.

<table>
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<th>Core Innovation</th>
<th>Innovation Packages</th>
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<th>Innovation Packages</th>
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<tbody>
<tr>
<td>System Transformation (ST)</td>
<td>34</td>
<td>13</td>
<td>35</td>
</tr>
<tr>
<td>Baseline Ag-Food Systems (BASF)</td>
<td>41</td>
<td>18</td>
<td>23</td>
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<tr>
<td>Regional Integrated Initiative (RII)</td>
<td>24</td>
<td>15</td>
<td>24</td>
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<tr>
<td>Genetic Innovation (GI)</td>
<td>23</td>
<td>35</td>
<td>40</td>
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- **Researchers and Research supporters:**
  - Manages and implements research activities

- **Initiative Managers:**
  - Manages initiatives and work packages

- **CGIAR Managers:**
  - Manages management units and centers

- **Innovation Package and Scaling Readiness experts:**
  - Manages innovation package and scaling readiness
  - Monitors and facilitates
  - Supports scaling and innovation

- **Backstop innovation Package and Scaling Readiness support experts:**
  - Provides training
  - Promotes knowledge sharing
  - Supports scaling and innovation
Scaling Readiness with IFAD
Scaling Readiness of Conservation Agriculture System in Moldova

13 > SCALING READINESS of NRGF and SNRLP in Sudan

An innovation perspective to IFAD impact investments:
how ready is the conservation agriculture system in Moldova for impact at scale?

The Importance of Understanding and Measuring Innovations

The Financial Times’ late 2018 Report on Impact Investing showed that impact investing could help small-scale farmers in rural areas improve their livelihoods. However, investing ventures and enterprises that practice this type of investing—that produces positive social or environmental benefit in addition to returns on investment—often face funding barriers to scale up good practices.
Scaling Readiness Sudan
Scaling Readiness of NRGF and SNRLP in Sudan

- Reviewing 49 Evidence Sources from Sudan and beyond
- Including Qualitative and Quantitative Studies
- First systematic Scaling Readiness Deep Dive Study on Natural Resource Governance
NRGF is an innovative framework introducing novelties to governance in Sudan

- increasing effectiveness, efficiency, inclusivity and sustainability of NR use
- Our study has identify 23 components critical for the success of NRGF
- 10 of these are innovations introduced to Sudan NRG
- NRGF combines approaches, processes, platforms, teams, digital systems
How Ready and Used (Adopted and by Whom?) is NRGF?

NRGF has worked outside Sudan but needs to be validated in Sudan.

- Readiness levels of all the novel critical components of NRGF is at the level of 6, implying that each of them shown to influence the impact performance of NRGFs across the world, but there is no systematic evidence about their performance in Sudan.
- Use levels of most of the components are 3, which implies that many stakeholders are involved in their implementation and use them. However, all the documented users of the critical novel components are part of the IFAD and government interventions.
What is the first step to address current bottleneck for the impact at scale potential of NRGF?

A mechanism for co-prioritization of high return investment options with broad consultation with various stakeholders so that public and private investment on NR

- multi-stakeholder short listing investment options can be considered a bottleneck for improving the impact at scale of the natural resource governance framework in Sudan
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What are the innovative components of the SNRLP in Sudan?

SNRLP advances the organizational and institutional innovation agenda of the NRGF and connects it with broader sectoral and socio-cultural systems

- SNRLP has 6 other innovations that were not systematically targeted by the NRGF. One of the six is a strategy, two are plans, two of them are arrangements and one of them are a set of practices
- it is important to ensure the engagement of non-governmental actors and representatives of international community engaging in supporting Sudan including international development community and the Sudanese diaspora

- ecosystem based cluster or network approach
- multi-stakeholder investment options shortlisting practices
- intra-state collaboration platform
- scaling strategy for community based natural resource management and business practices
- integrated natural resource governance and land-use management plans
- co-management arrangements for open access common areas
- natural resource conflict resolution arrangements
- natural resource-based livelihood investment plans
- good village youth and young professionals' engagement practices
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- NRM conflict resolution arrangements are more studied and used
- formally institutionalize the investment prioritization process together with private sector, civil society, diaspora and other investment stakeholders and establish an international forum on natural resource governance in Sudan
What did the Complete Scaling Readiness Study recommend?

- It is critical to **document** the **processes** of NRGF and SNRLP and enable organizational and management researchers to rigorously analyze these documents so that the impact the NRGF and SNRLP can be sustained and improved in Sudan continuously.

- Establishing a **systematic knowledge management architecture** and **incentivizing partnerships** between Sudanese government, local universities and research units with international leaders of NRM governance can be important complementary interventions.

- **Formally institutionalize** the **investment prioritization process** together with private sector, civil society, diaspora and other investment stakeholders and establish an international forum on natural resource governance in Sudan.
SKiM

Strengthening Knowledge Management for Greater Development Effectiveness in the Near East, North Africa, Central Asia and Europe
Why Scaling Readiness?

Need for Packaging (Bundling) Technologies with Organizational and Institutional Innovations

● “Innovation Packages” combining technologies with market, policy, capacity building and other complementary innovations

● The minimum of the innovation package determines what to work on
INNOVATION (MANAGEMENT) SCIENCE

Publishing the learning
Scientific, Technical, Non-technical

- 5 Papers (2 upcoming)
- 3 Book Chapters
- 7 Complete Scaling Readiness Assessment
- 5 Innovation Package Reports
- 30 Innovation Profiles
- 7 Blogs
- 4 Newsletters
- 67 Presentations
- 150 + Social Media Posts