Engaging with Academia and Research Institutions (ARIs) to support Family Farmers and Food System Transformation During and Post COVID-19 Pandemic in Asia



With technical assistance from the FAO Regional Office for Asia and the Pacific

MAINSTREAMING AGROECOLOGY IN HIGHER EDUCATION INSTITUTIONS (HEIS) FOR REDESIGNING SUSTAINABLE FOOD SYSTEMS IN ASIA

Dr. Abha Mishra RoundGlass Wellbeing Pvt. Ltd.

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BACKGROUND

- 500 million family farmers produce 80% of the world food
- Majority of them are smallholders (<5 ha)
- 75% food are sold on to markets
- Food-health-trade-climate change interdependent. (fragile linkages)
- Covid-19 and other crises have threatened progress towards achieving the SDGs by 2030
- Redesigning sustainable food systems with active engagement with farms and farming communities is gaining momentum
- HEIs are seen as crucial actors



INTRODUCTION TO PROGRAMME



Sustaining and Enhancing the Momentum for Innovation around the System of Rice Intensification in Lower Mekong River Basin (SRI-LMB)

33 districts in 11 provinces in LMB region





- ✓ Offers low cost solution
- ✓ Doesn't require external inputs
- Practices are amenable to farmers experimentation
- ✓ Follows agro-ecological principles
- Strengthen livelihoods

Capturing farmer's imagination by enabling them to get higher yield with reduced external inputs, fueling their capacity for innovation

System of Rice Intensification: A 'menu' for innovation and transformation

- 1. Transplanting younger and fewer seedlings/hill or direct seeding with low seed rate
- 2. Maintaining wider spacing
- 3. Avoiding continuous soil saturation
- 4. Applying compost as much as possible

GEOGRAPHICAL AREAS AND PARTNERSHIPS



http://www.sri-lmb.ait.asia/

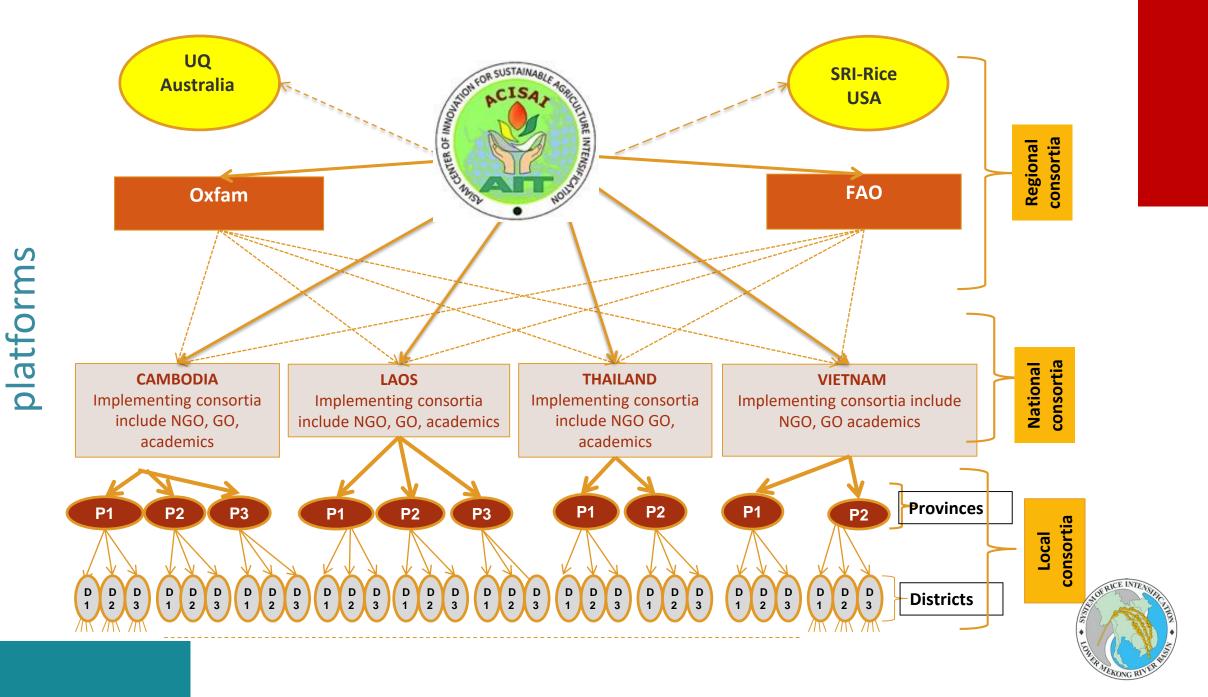


KEY PROCESSES FOR INNOVATION

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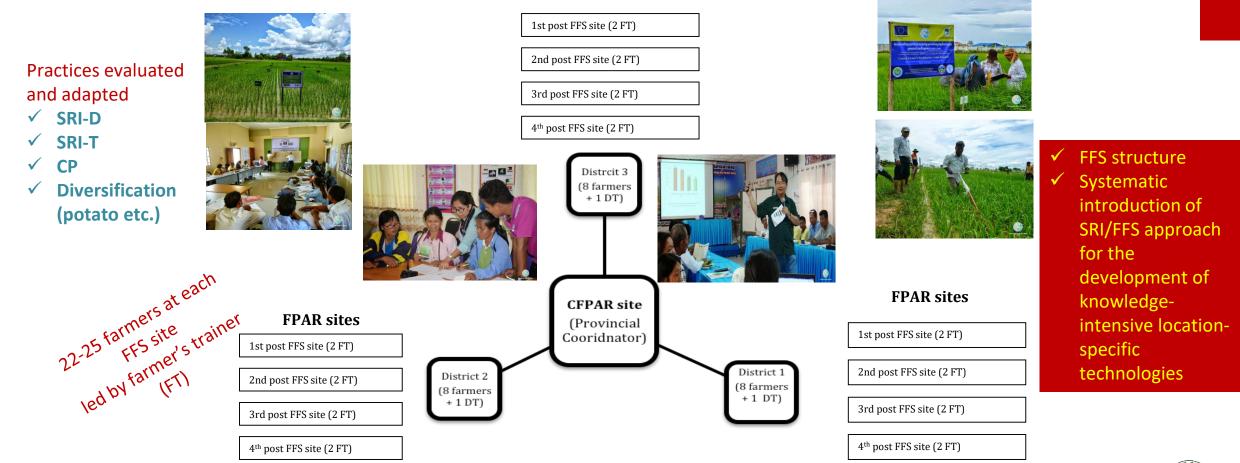
- Multi-stakeholder networks & platforms (academics, researchers, Farmers Organizations) enabling co-creation of knowledge & participatory research for supporting family farming & food system transformation
- Enhancing rural communities' initiatives and development, and transfer of technologies
- **Policies and strategies (from regional to local levels)** to support family farmers & sustainability of rural livelihoods/communities
- Innovation in HEIs curriculum to better address agroecology and family farming

Multi-stakeholder networks and -



2. Enhancing rural communities' initiatives and development, and transfer of technologies

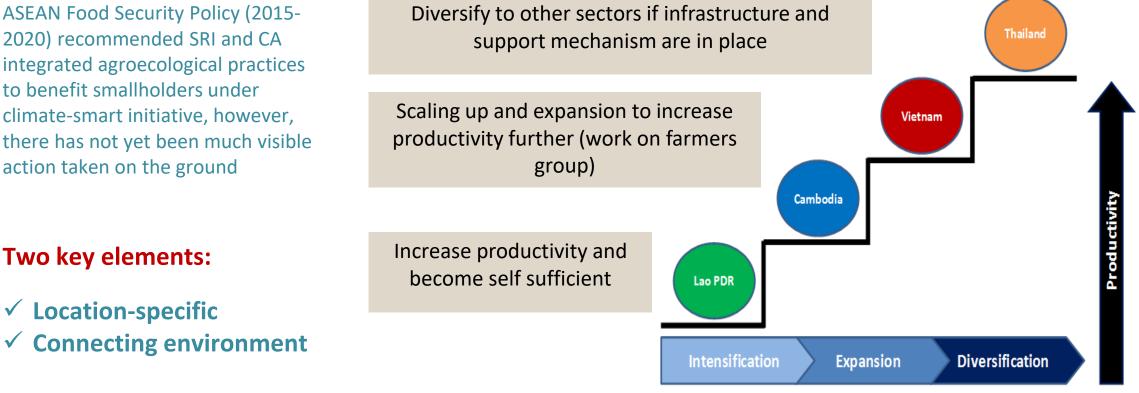
FPAR sites



Reached to other farmers in proximate communities (50,000)

3. Policies and strategies (from regional to local levels) to support family farmers & sustainability of rural livelihoods/communities

ASEAN Food Security Policy (2015-2020) recommended SRI and CA integrated agroecological practices to benefit smallholders under climate-smart initiative, however, there has not yet been much visible action taken on the ground



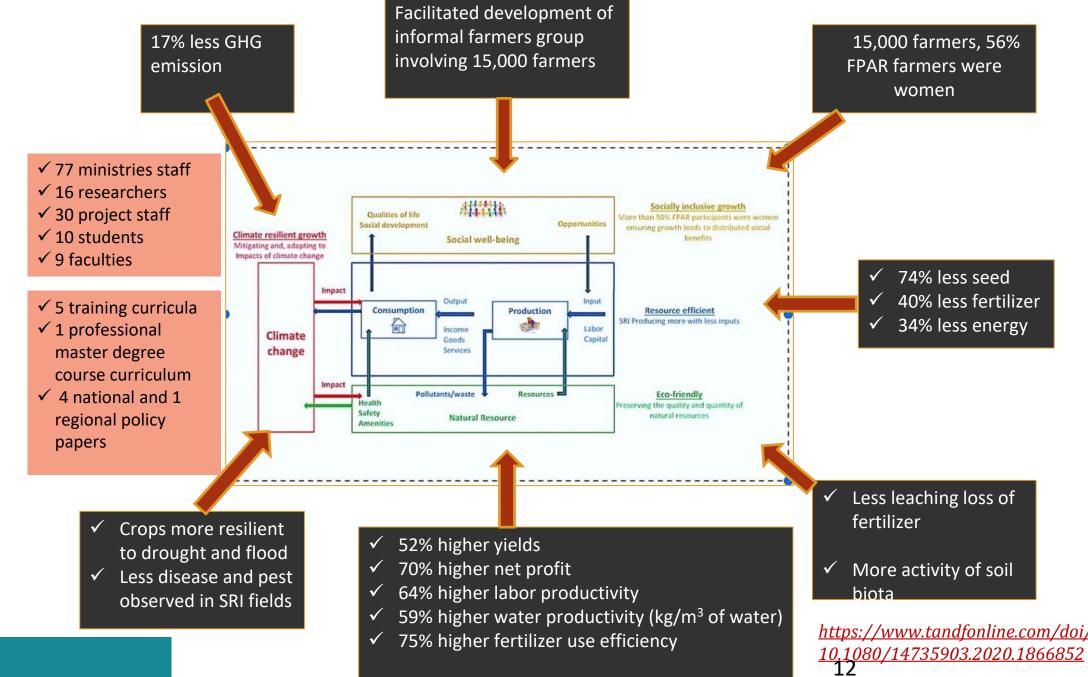
Macroeconomic situation in all four countries

4. Innovation in HEIs curriculum to better address agroecology and family farming

ENGAGE AND EVOLVE

Interdisciplinary knowledge (cross-departmental collaboration) - Conventional departments receive more resources however there is interest evolving to initiate dedicated programmes in this direction *Following areas could be explored:*

- 1. Joint research project for mapping out and identifying the gaps in the area of agroecology and sustainable food systems (Integrating TAPE in academic curriculum)
- 2. Establishing regional network of HEIs
- 3. Involve faculties in global and regional technical and policy consultation
- 4. Internship and fellowship programmes for masters and PhD students (engage students in FFS)
- 5. Gather consensus on innovations that have significant impact
- 6. Develop curriculum that helps to understand the growing demand for healthy and nutritious food
- 7. Link CSO/communities institutions with universities
- 8. Galvanize external funding support (*International donor community should align their support to facilitate such transition*)



ESULTS 2

https://www.tandfonline.com/doi/full/

RECOMMENDATIONS

- Create connecting environment
- ✓ Engage and evolve
- \checkmark Location and local-specific
- ✓ Collective action and co-creation
- ✓ Share, learn, reflect, adjust
- ✓ Work-in-progress



