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

Green transformation in agriculture for sustainability of rural livelihoods Experiences from the coastal areas of

Vietnamese Mekong Delta

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Outline

- Introduction
- Focus area
- Context and transformation process
- Agro-ecological system design for a new system
- Key benefits
- Key challenges
- Lessons learned

Introduction

- Agroecology and circular agriculture ⇔ sustainable food and rural livelihood sustainability => green growth
- Research on practical cases for *green transformation* in agriculture and rural livelihood sustainability remains underexplored
- We focus on the *Mekong delta*
 - the most productive agricultural areas,
 - \Leftrightarrow also the most vulnerable to climate change and sea level rise





Context and transformation process



Context and transformation process



Context and transformation process

- Stakeholders involved
 - ⇔ Small farmers
 - ⇔ People committee
 - Department of Natural Resources and Environment (DONRE)
 - ⇔ Department of Agriculture and
 - Rural Development (DARD)
 - ⇔ Extension agency
 - ⇔ Input suppliers
 - ⇔ Middle man (market)



Agro-ecological system design for a new system



Mono-rice farming system ------ to ----- integrated rice shrimp model

Agro-ecological system design for a new system







Key benefits

- Economically \Leftrightarrow income, diversification
- Environmentally \Leftrightarrow less agro-chemicals
- Ecologically ⇔ biodiversity
- Culturally 🗇 children, rural culture
- Community health \Leftrightarrow farmers and consumers





Key challenges

- Unstable weather
- Unstable market prices
- Lack of investment for agri-business (low product prices)
- Old infrastructure/irrigation (for rice, not for new system)
- Limited study on circular and low carbon agriculture



Lessons learned

Sustainability of rural livelihoods should:

- Nature based solutions
- Think global (green economy, organic market) <> act local (circular agriculture)
- Well engagement of stakeholders





Thank you!