



Funded by

Mekong – Republic of Korea
Cooperation Fund (MKCF)

Project Title



**Sustainable and
Smart Agricultural
Supply Chain
Development
in Mekong Countries**



Project Duration

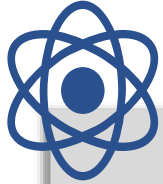
December 2021 – May 2023



Implemented by

Mekong Institute Program Departments

- Agricultural Development and Commercialization
 - Sustainable Energy and Environment
 - Trade and Investment Facilitation
- Monitoring, Evaluation, and Learning (MEL) Unit



Project's Goal

To improve production effectiveness and efficiency, reduce post-harvest losses, and increase energy efficiency in agricultural supply chains through cold chain development and smart and sustainable technologies in post-COVID situation in the Mekong countries.



Project's Objectives

Short-Term :

- To identify mechanisms for improving productivity and quality of agricultural produce;
- To increase energy efficiency through using smart and sustainable technologies in agricultural supply chain;
- To enhance agricultural supply chains by improving logistics systems including cold chain management practices for agricultural products in the Mekong region.

Long-Term: To enhance the competitiveness of Mekong countries by strengthening sustainable and smart production and distribution technologies in the agricultural supply chains in Mekong countries.



Expected Outcomes

Short-term

- Application of smart technology in agricultural supply chains and energy used in selected agricultural products.
- Enhanced capacity of relevant stakeholder on technology utilization for agriculture supply chain.

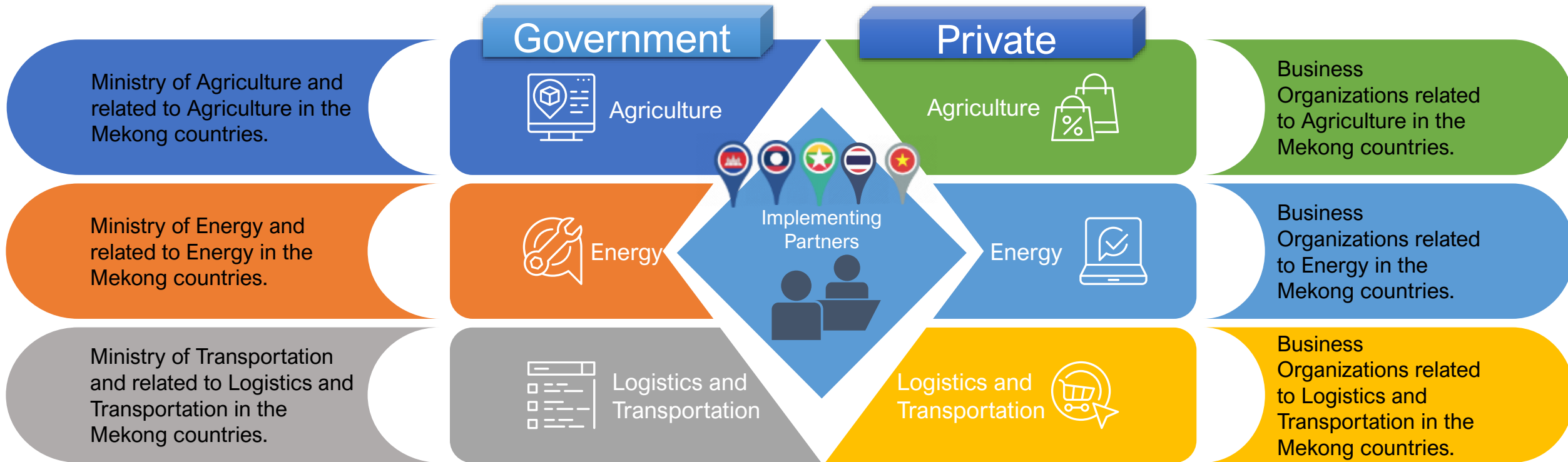
Long-term

- Improved production effectiveness and efficiency
- Reduction of postharvest losses in pilot agriculture products.
- Increased energy efficiency in agricultural supply chain.
- Adoption of smart and sustainable logistics technology in agriculture supply chain.

03 | IMPLEMENTING PARTNERS



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04 | PROJECT COMPONENTS



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To achieve its objectives at the development result level, the project will work with the target group as the stakeholders / beneficiaries to respond to the challenges identified .

The project comprises with four major components



Component A: Sustainable and Smart Technology for Agriculture Production Supply Chain

By ADC



Component B: Energy Efficiency in Agriculture Supply Chain

By SEE



Component C: Smart Logistics Management for Agriculture Supply Chain

By TIF



Component D: Project Monitoring and Evaluation

By MEL



Activities Implementing Methods



Assessment Study



Consultative Meeting



Training and Workshop



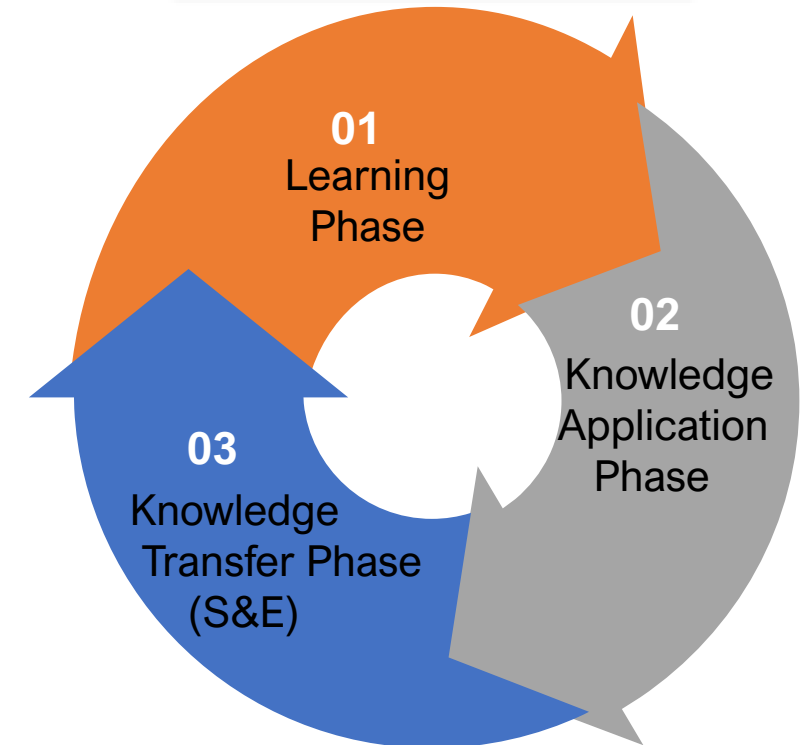
Seminar or Forum



Monitoring and Evaluation



Activity Approach



05 | Project Activities and Its Progress

Activities	2021	2022												2023				
	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
Output 1. Introduced the project goals, objectives and activities together with an indicative work plan to PAC members and stakeholders and seeks their contribution and support to the Project and its implementation progress towards the sustainable achievement																		
D.1 Inception workshop & formation of Project PAC																		
Output 2. Conducted assessment of situation on smart technology for agriculture supply chain in Mekong countries and disseminated the study to stakeholders and beneficiaries in Mekong countries																		
A.1 Assessment study on smart technology for agriculture supply chain in Mekong countries																		
A.2. Consultative /stakeholder workshops																		
B.1 Country situation study on smart energy technology for agriculture supply chain the Mekong countries																		
C.1 Country situation study on smart logistics technology readiness for agricultural supply chain in Mekong countries																		
C.2 Dissemination Workshop on Country Situation Studies in Mekong countries for activities B.1 and C1																		
Output 3. Implemented capacity building activities to relevant stakeholders																		
A.3 Regional Training on Sustainable and Smart Production Technologies																		
A.4 Regional Training on Postharvest																		
B.2 Hybrid training on renewable energy and practice for agriculture supply chain																		
C.3 Hybrid training on smart logistics technology for agriculture supply chain																		
Output 4. Developed country-wide pilot activity as action plan to transfer newly acquired knowledge into practice back at their worksites																		
B.3 and C4 Pilot implementing activity in Mekong countries with technical and financial assistance																		
Output 5. Conducted workshop on supplement knowledge topic/issue required during implementing the pilot activity																		
A6, B.4 and C4 Workshop on supplement knowledge topic/issue required during implementing the pilot activity																		
Output 6. Organized the synthesis and evaluation workshop for the pilot implementation groups for sharing outputs and learning/working experience, lessons learned and practical experiences from the actual applications																		
D.2 Hybrid Forum to reflect and synthesis the project activities including consultation for policy recommendation for capacity building activities																		
Output 7. Assessed the outcomes and results of the project																		
D.3 End term evaluation																		



- Inception Workshop, Dec 9, 2021
- Formation of the Project Advisory Committee
- The activities are on processing in conducting the country situation studies by the external consultants. Currently, three stages of each study are as followings
 - **Design a methodology** for conducting the study, designing of survey tools, identification of stakeholders, determination of primary information sources, and survey plan.
 - **Conducting desk research** to identify the smart technologies readiness and adoption of the technologies (Energy and Logistics) for agriculture sector in five Mekong countries, namely Cambodia, Lao PDR, Myanmar, Thailand, and Vietnam;
 - **Developing questionnaire** for gathering additional information from stakeholders.
- Internal Coordination : TIF, MI
- Challenge on seeking subject expert / consultant for the studies.



Component D:
Project Monitoring and
Evaluation

- Number of quality and completeness of the study survey;
- At least two PAC meeting conducted with the participation of its members;
- Number of end of project evaluation is carried out.



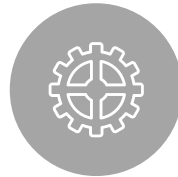
Component C:
Smart Logistics Management for Agriculture
Supply Chain

- Number of government officials, agri-business owner, energy and logistics provider (project beneficiaries);
 - participated in each activity are fully satisfied.
 - acquired solid knowledge on the trainings / workshop.



Component B:
Energy Efficiency in Agriculture Supply Chain

- Number of assessment study conducted and disseminated;
- Number of action plan implemented by the training participants in their respective countries;
- Number of supplement activities to the action plan implementation organized;
- Number of project beneficiaries utilize services from supported service providers;
- Number of activities reports provided and disseminated.
- Percentage of production cost reduced, productivity increased and postharvest loss reduced



Components A:
Sustainable and Smart Technology for Agriculture
Production Supply Chain



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