



GROUP WORKSHOP 1

SOUTHEAST ASIAN COUNTRIES: CAMBODIA, REPUBLIC OF CHINA, FIJI,
INDONESIA, KOREA, MALAYSIA, PHILIPPINES, THAILAND

RECOMMENDED ACTION PLAN FROM GROUP

INTRODUCTION

- Due to various level of cold chain system in different countries, the need to implement for cold chain is depended on the country and product

COLD CHAIN ISSUES IN SOUTHEAST ASIA

- All stakeholder (including leaders and policy makers) are not aware of the cold chain
- Lack of funding for cold chain system – budgeting – might be a result of unawareness
- No information of cold chain available
- Special allocation from government to implement cold chain system to marginalized farmers
- Soft and hard infrastructure (farmers couldn't access to the cold chain system, Poor logistics, Lack of proper technology)

COLD CHAIN ISSUES IN SOUTHEAST ASIA

- Lack of proper technology examples
 - Papaya in Fiji
 - Rice in Cambodia
- Business environment & marketing drives
- Lack of catalyst (as in NCCD) – no one to care about it
- Capacity building (training farmers, transporters, retailers, and everyone in cold chain systems)

STRATEGY TO ADDRESS THE NEEDS

- Training to all stakeholder, leaders, policy makers, farmers, etc.
- SWOT analysis all role players in supply chain so that we can implement appropriate cold chain in the particular location
 - Example - Thailand has research for each of 5 regions
- Annual convention for cold chain system to share success stories and best practices (of course, funded by the APO)
- Conduct research on the tangible benefits of cold chain (earn more and lose less)
- Better have the quality assurance for cold chain

STRATEGY TO ADDRESS THE NEEDS

- Have a database of experts in every crops, produces, and products
- Technology
 - Other issues to extend the shelf life and maintain the quality such as packaging (smart packaging), pre-treatment, cold room design and construction for each application
- Design proper technology to particular location
 - For example, for no electricity area, Nepal uses sand to store produces to extend the shelf life
- ASK FOR FULL SUPPORT FROM **APO!!!!**

INITIAL ACTION ITEMS

Activity	Objectives/features/topics	Target participants	Responsible party/Convenor	Resource requirements
Workshop on the status and trends on the CCS	Provide concept idea of CCS	Government, farmer, Coop, Private sector, Academia, Financial institution	Ministry of the Agriculture and Cooperatives Local NPC PRIVATE SECTOR	Technical experts from APO
Workshop on CCS	To create awareness (GMP, GAP, HACCP, etc.) to all stake holder To best practice	Government, farmer, private sector	Same as above	Same as above

INITIAL ACTION ITEMS

Activity	Objectives/features/topics	Target participants	Responsible party/Convenor	Resource requirements
Training on technology on CCS	Types of CCS Design and construction of facility Time-temperature	Government, farmer, Coop, Private sector, Academia, Financial institution	Ministry of the Agriculture and Cooperatives Local NPC, private sector	Technical experts from APO
Promotion of CCS (fair, convention, event, etc.) year round	To create awareness and benefits on CCS Develop networking	Farmer, government, private sector	APO, government, private sector	Technical experts on APO
Set up the NCCD in each country	To establish and implement CCS in each country	Farmers, private sector	Government	Government

INITIAL ACTION ITEMS

Activity	Objectives/features/topics	Target participants	Responsible party/Convenor	Resource requirements
Research on CCS	To identify and develop CCS	Government, Academia	Government, university	Technical experts from industry and university
Financial institution assistance to develop CCS	Special package from the local government Low interest and incentive/subsidy to develop CCS	Farmer, private sector (distributor, wholesaler, logistics, retailer)	APO, government, financial institution	National/central bank directed by the government
Provide understanding and knowledge on the supply chain management (inventory, logistics, etc.) on CCS	Better understanding of inventory and logistics in the supply chain	Farmer, private sector	APO, government	Technical expert in SCM

COLD CHAIN IS **HOT** !!!

