

Workshop on China-Japan-Korea Rural Vitalization Experiences:
Implications for Asian Developing Countries
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Agricultural Development Cooperation Projects of Korea with Southeast Asian Countries: Experiences and Implications

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KREI

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INTRODUCTION

01 Introduction

- Korea, China and Japan and Southeast Asian countries
 - ✓ Many social, political, economic and cultural relations
 - ✓ Agricultural development cooperation for economic development
 - agricultural growth is more than twice as effective as other sector growth in eradicating poverty and underdevelopment (World Bank, 2007)
- 'New Southward Policy' (2017)
 - ✓ ASEAN countries and India

☞ Increasing importance of cooperative relations



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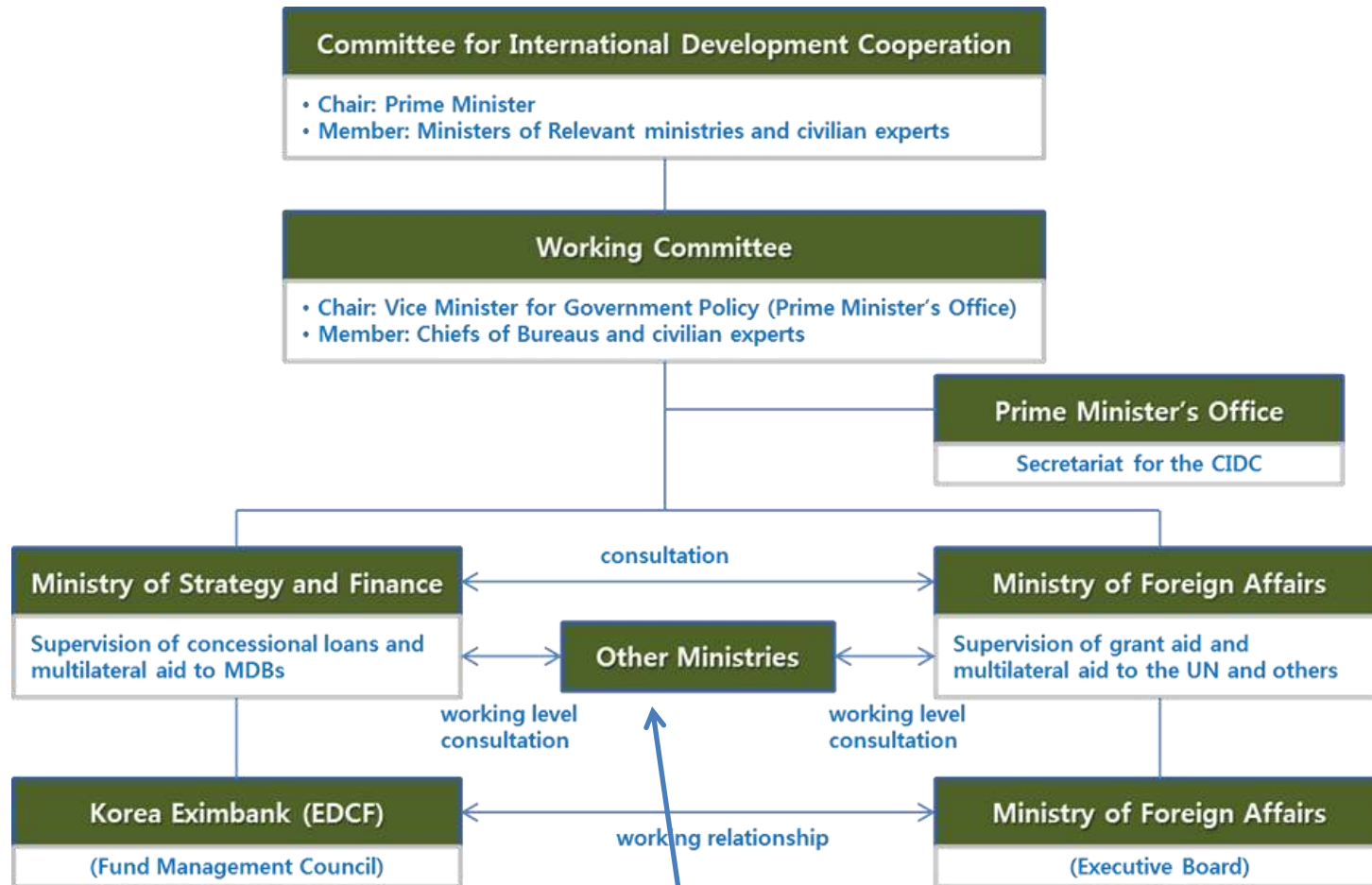
KOREAN ODA ARCHITECTURE

02 Korean ODA architecture

- **(Law) Framework Act on International Development Cooperation** (2010)
- **(Plan) Mid-term Strategy for Development Cooperation**
 - First Strategy: 2011-2015, Second Strategy: 2016-2020
- **(Decision-making body) Committee for International Development Cooperation**
 - Chaired by Prime Minister, participated in by relevant Ministers
- **Implementing Organizations**
 - Korea EximBank (concessional loans, multilateral aid to MDBs)
 - ✓ one ministry (MOSF)
 - KOICA, KOFIH, KRC, etc. (grants, multilateral aid to UN agencies)
 - ✓ 41 public organizations (ministries, agencies, and administrations)



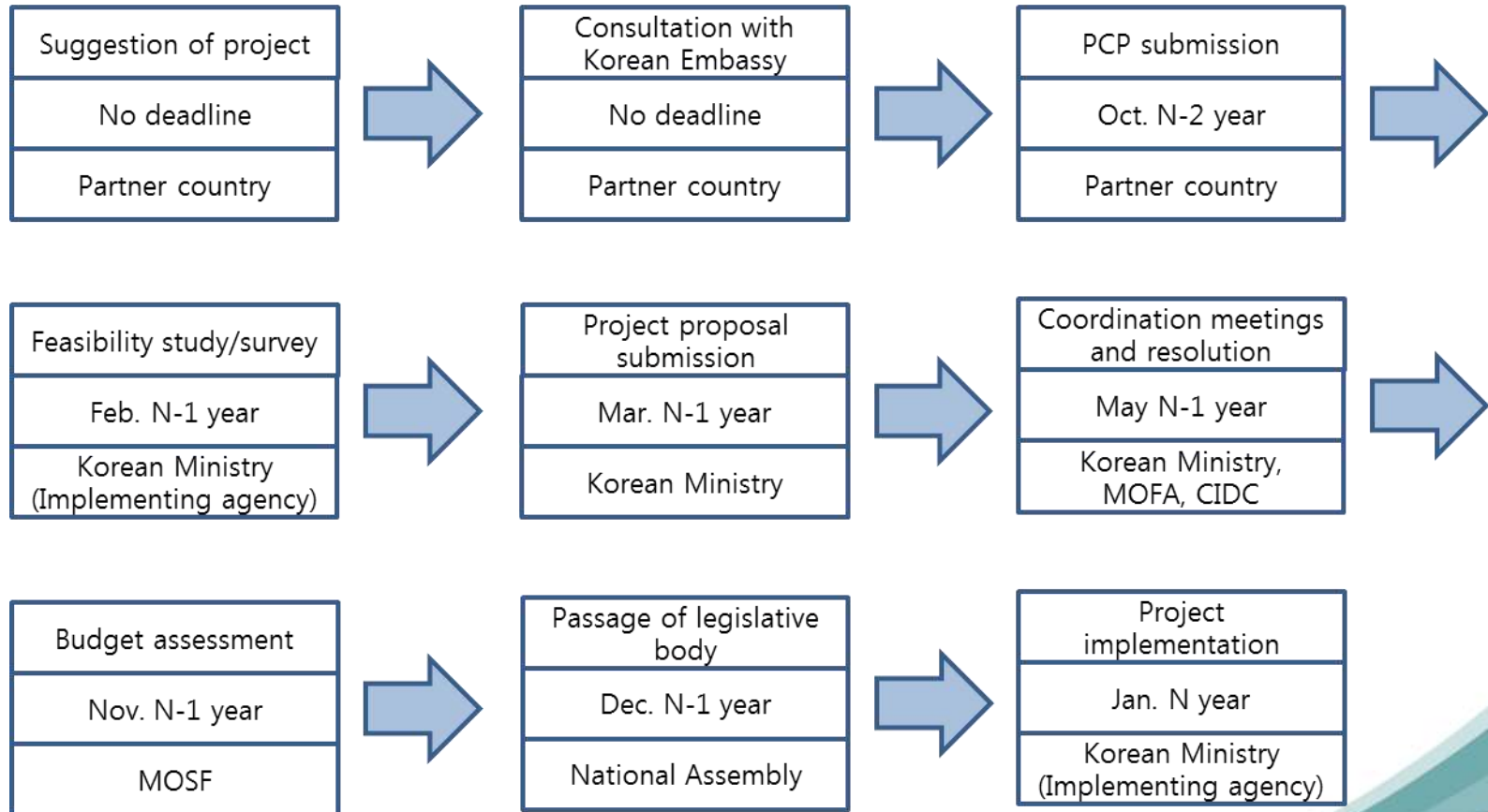
02 Korean ODA architecture



* MOSF (EDCF) and MOFA (KOICA) spend 67% of total ODA budget, and other ministries remaining 33% (except for contributions and concessional fund to IFIs).

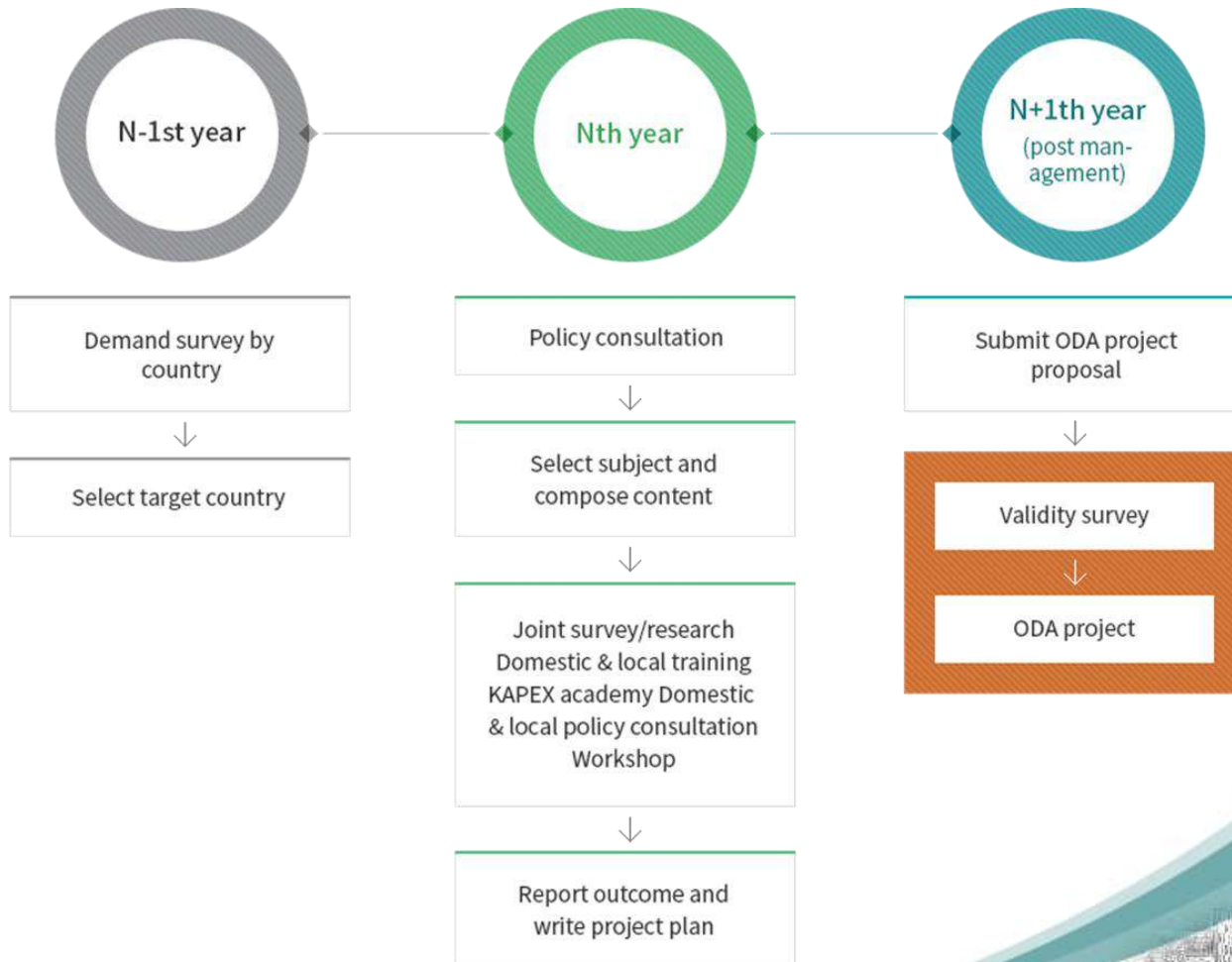
02 Korean ODA architecture

- Standard process of ODA of Korea



02 Korean ODA architecture

- MAFRA's ODA planning

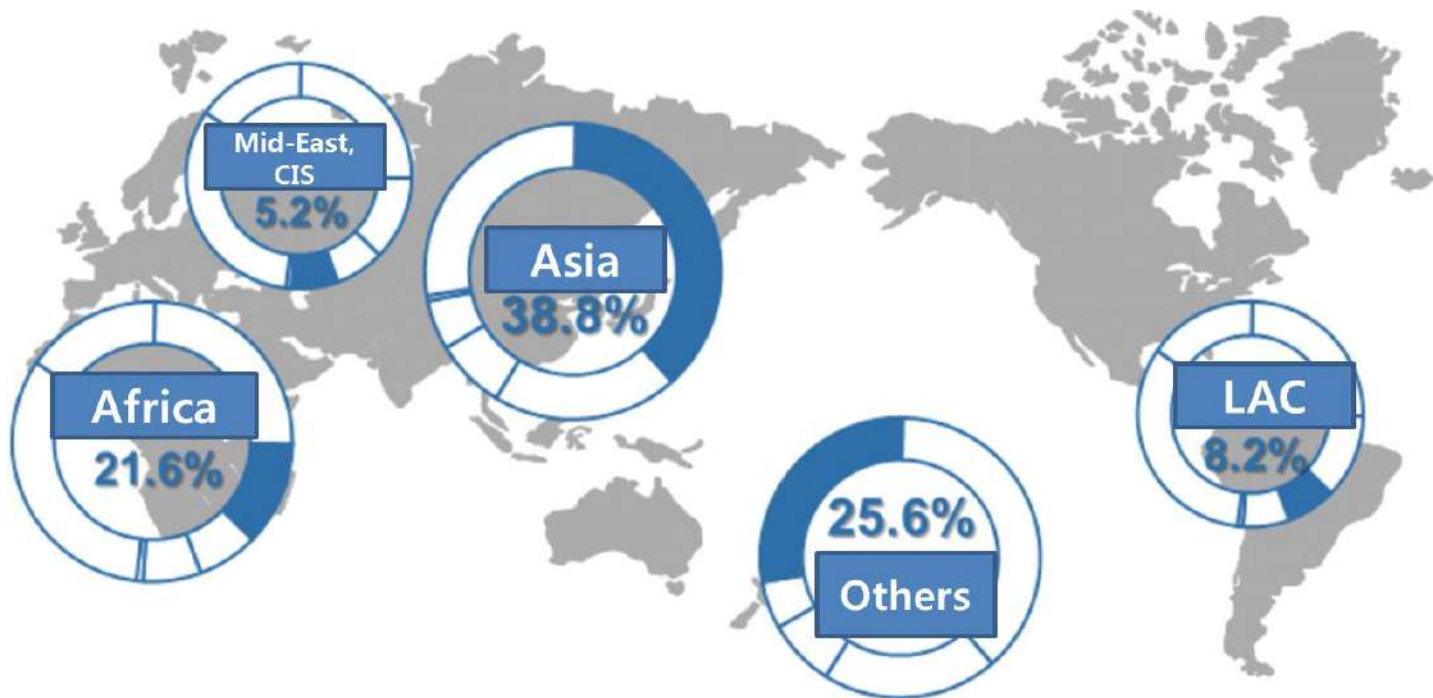


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BUDGET ALLOCATION

03 Budget allocation

- Total budget: 1.3 trillion KRW (2010) → 3.2 trillion (2019) * 2.5 times
- ODA / GNI: 0.14% (2017) * target 0.20% by 2020
- Asia, the largest share, followed by Africa



03 Budget allocation

- 6 Southeast Asian countries 521 billion KRW (474 million USD) (2019)
 - ✓ Lao PDR, Myanmar, Vietnam, Indonesia, Cambodia, and the Philippines
- Agricultural ODA (agriculture, forestry, fisheries): 221 billion KRW (2019)
 - 8.9% of total bilateral ODA
 - ✓ agricultural development, rural development, agricultural water resources development, livestock, education/training...



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AGRICULTURAL ODA PROJECTS IN SIX ASIAN COUNTRIES

04 Agricultural ODA projects in six Asian countries

- MAFRA and KOICA projects only
 - ✓ Other ministries, local governments excluded
- Bilateral grant aid only
- Projects during 2013 and 2017
- 'Project'-type project only
 - ✓ technical assistance, trainings, NGO activities excluded



04 Agricultural ODA projects in six Asian countries

- Myanmar

Organization	Project	Period
MAFRA and affiliated organizations	GAP technology transfer	2011-2013
	Rural development and farm technology transfer	2013-2016
	Capacity building for seed quality certification technology	2015-2017
	Dry and storage facility for agricultural productivity improvement	2016-2019
	National agro-food information system	2014-2017
	Demonstrative complex building for agricultural productivity	2016-2019
KOICA	Land consolidation and agricultural mechanization training	2013-2017
	FMD prevention system improvement	2011-2014
	Post-harvest management technology	2011-2017
	Capacity building for forestry management against climate change	2013-2016
	Basic infrastructure for aquaculture industry	2014-2018
	Post-harvest technology research institute	2014-2018
	Rural community development	2014-2019
	Agricultural marketing and wholesale market construction	2016-2020
	Agricultural development master-plan for Ayeyarwadi region	2017-2019
	Specialized farmers' training in Nay Pyi Taw	2014
	Rural community development project	2012-2014
Appropriate technology for livestock breeding	2014	



04 Agricultural ODA projects in six Asian countries

- Vietnam

Organization	Project	Period
MAFRA and affiliated organizations	Contract farming for vegetables	2011-2015
	National Livestock Disease Diagnosis Center	2014-2017
	National agro-food information system	2016
	GAP Products Storage and Marketing Center	2018-2022
KOICA	Quang Tri Province rural community development	2014-2018
	Lao Cai Province rural community development	2014-2018
	Rural Saemaul project for agricultural value chain	2014-2017



04 Agricultural ODA projects in six Asian countries

- Cambodia

Organization	Project	Period
MAFRA and affiliated organizations	Forestry rehabilitation and construction of forestry research facility	2010-2015
	Kampot Province community development	2011-2013
	Dry and storage facility construction for rice industry	2015-2018
	Rural and agricultural advisory service system improvement	2017-2021
	Agricultural productivity improvement through technology transfer	2017-2021
	Saemaul community development	2016-2017
KOICA	Rural community development	2014-2018
	Kampong Cham National Agricultural University capacity building	2016-2019



04 Agricultural ODA projects in six Asian countries

- Lao PDR

Organization	Project	Period
MAFRA and affiliated organizations	Xiangkhoang Province irrigation Private public partnership for agricultural capacity building National agrofood information system Sangthong District agricultural mechanization support center	2012-2017 2014-2016 2014-2016 2015-2018
KOICA	Rural community development Luang Prvang Province community business infrastructure	2014-2020 2012-2013



04 Agricultural ODA projects in six Asian countries

- Indonesia

Organization	Project	Period
MAFRA and affiliated organizations	Mechanization complex for rice farming National agro-food information system and capacity building	2013-2014 2014-2016
KOICA	Kalimantan area agricultural development planning	2010-2013



04 Agricultural ODA projects in six Asian countries

- the Philippines

Organization	Project	Period
MAFRA and affiliated organizations	Rural development	2010-2013
	Multiple Industry Complex development	2015-2018
	National agro-food information system	2014-2017
KOICA	Quirino region Saemaul integrated rural development	2013-2016
	Micro-irrigation facility construction	2010-2017
	APEC appropriate technology extension and R&D	2014-2016
	Improved rice variety production and distribution	2013-2017
	Panay island Saemaul integrated rural development	2015-2019
	Crop diversification through agro-forestry	2015-2017
	GIS establishment for integrated water resource management	2013-2015
Organic fertilizer and mushroom technology in Mindanao	2012-2014	



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TYPES OF KOREAN AGRICULTURAL ODA AND CASES

05 Types of Korean agricultural ODA and cases

- A classification of MAFRA's projects (2011-2017)

	Agricultural and rural development		Construction of facilities		Agricultural policies and others			Total
	Infrastructure	Rural living conditions (rural development)	Post-harvest processing	Livestock	Policies	Forestry	Trainings	
Number	13	2	10	6	1	1	8	41

☞ four cases: infrastructure, post-harvest facility, rural development, capacity building



05 Types of Korean agricultural ODA and cases

- **Case of infrastructure: Batheay irrigation facility construction project in Cambodia**
 - ✓ KOICA, 2.6 million USD, 2009-2010, Kampong Cham Province
 - ✓ to supply water to 4,000 ha, 20 villages as beneficiary
 - ✓ installation of waterway, culvert and regulating gate, survey and soil inspection, and the organization of the Farmer Water User Communities (FWUC)
 - production increased, multiple cropping possible, use of machines increased, FWUC organized
 - water storage varied causing inefficiency, lack of maintenance budget, need to secure sustainability



05 Types of Korean agricultural ODA and cases

- **Case of construction of post-harvest processing facility: rice processing complex in the Philippines**
 - ✓ KOICA, 13 million USD, 2009-2013, three provinces
 - ✓ to build rice processing complexes (RPCs)
 - ✓ each complex milling 5,600 MT/yr, drying 10 MT/hr
 - rice loss 15% to 10%, crushed rice 50% to 10%, marketing process efficiency increased
 - very low operation rate (25%) due to difficulty in securing paddy, high cost for fuel, low capacity for management and operation



05 Types of Korean agricultural ODA and cases

- **Case of rural development: integrated rural development (*Saemaul* rural village development) project in Vietnam**
 - ✓ KOICA, 260 thousand USD, 2001-2003, seven villages in Thai Nguyen and Quang Tri Provinces
 - ✓ diverse small components combined: small infrastructure, public facilities, small credit for income, equipment support, mindset development
 - An exemplar project for VN's *National Target Program for New Rural Development policy (2010-2020)*
 - management capacity and local leadership were the key, to secure sustainability not easy



05 Types of Korean agricultural ODA and cases

- **Case of capacity building: KAPEX consulting program**
 - * Korean Agricultural Policy Experiences for Food Security
 - ✓ MAFRA's consulting program since 2013, 3 countries per year
 - * operated by Korea Rural Economic Institute (KREI)
 - ✓ to introduce Korean agricultural policy experiences which may be of interest to policy-makers in partner countries, and to produce ODA proposal for MAFRA
 - ✓ joint research, capacity building including short- and mid-term trainings and workshops, and a roundtable forum, focusing on specific topic
- ☞ a venue to be in the pipeline for new ODA projects



05 Types of Korean agricultural ODA and cases

✓ KAPEX topics (2013-2019)

Partner country	Year	Topic
Cambodia	2013	Agricultural R&D and extension system
Laos	2013	Agricultural cooperative policy
Ethiopia	2013	Agricultural R&D and extension system
Vietnam	2014	Climate change and land management for sustainable agriculture
Uganda	2014	Livestock breeding and management for dairy sector
Myanmar	2014	Agricultural marketing system
Rwanda	2015	Livestock breeding and management
Paraguay	2015	Agricultural technology extension system for small farmers
Philippines	2015	Agricultural mechanization for efficient land consolidation
Mozambique	2016	Agricultural technology extension system for small farmers
Mongolia	2016	Strategy for capacity building for export-oriented agricultural production
Indonesia	2016	Food security through reduction of rice loss
Uzbekistan	2017	Establishment of cherry value chain
Colombia	2017	Food sovereignty and security through small milk producer groups
Nepal	2017	Food security program framework
Laos	2018	Market accessibility improvement through agricultural cooperative
Cambodia	2018	Farm income enhancement through vegetable complex
Mongolia	2018	Livestock value chain improvement
Myanmar	2019	Maize value chain improvement
Indonesia	2019	Environment-friendly fertilizer industry
Philippines	2019	Sustainable management and marketing of high quality rice varieties



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CONCLUSION

06 Conclusion

- Hardware projects (e.g. construction of infrastructure and facilities): very careful survey and precise prediction needed, capacity building for operation and management for self-reliant sustainable utilization of the facilities and equipment is crucial
- Integrated rural development project: commitment from the people and the roles of dedicated leaders are critical for managing various small components and sustainability
- Capacity building program: to keep in mind that it usually takes time, reducing attentions and interests from the decision-makers



Thank you

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