

Overview of ROK-ASEAN Cooperation Project

Development of ASEAN Open Data Dictionary
for ASEAN Connectivity

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NIA NATIONAL
INFORMATION SOCIETY
AGENCY

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National Information Society Agency

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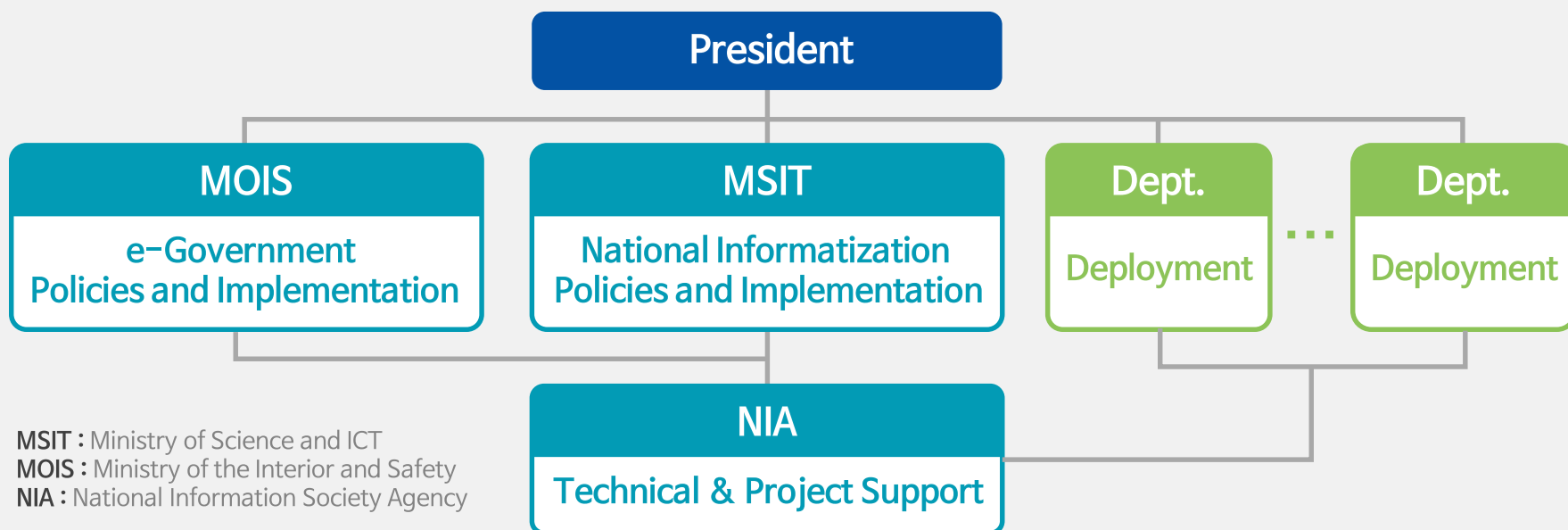
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1-1 NIA at a Glance

(with Korea's e-Governance Structure)

○ Korea's e-Governance Structure



○ NIA (National Information Society Agency)

- ▶ A statutory agency founded in 1987 by the Framework Act in Informatization Promotion
- ▶ Responsible for promoting national informatization and supporting development of related policies for national agencies and local autonomies
- ▶ Funded by the Government – USD\$ 1.3 Billion Annual Budget (2021), 663 Employees (2021.1)

2-1 Project Overview

Project Objective

To improve the efficiency of government service delivery and private sector innovation through the shared data in ASEAN, and establish the foundation for the open data network by 'ASEAN Open Data Dictionary' development and capacity building for ASEAN Connectivity

Project Title

Development of ASEAN Open Data Dictionary for ASEAN Connectivity

Project Period

February. 2021 ~ April. 2022(15 months)

Project Budget

USD 650,508 (ASEAN-ROK Cooperation Fund)

Project Implementing Agency

NIA (National Information Society Agency) of Korea with additional Korean experts from other government entities, industry, academia as needed

Project Scope

- ▶ Develop a framework of ASEAN Open Data Network based on current landscape of open data readiness in 10 ASEAN Member States(AMS)
- ▶ Develop and publish ASEAN open data dictionary that will be available online with visualization facility
- ▶ Organize two ASEAN forums on open data for consultation and capacity building

2-2 Approach and Methodology

Analysis on open data readiness ➡ Framework for ASEAN Open Data Network

Approach

- ▶ Draw the current open data readiness of AMS and formulate the framework of ASEAN Open Data Network based on the findings

Methodology

- ▶ Analysis on major open data assessment tools & approaches
- ▶ Analysis of AMS performance on open data w/ global index & more

ASEAN Open Data Dictionary (w/ visualization facility)

Approach

- ▶ Develop ASEAN open data dictionary for 2 selected fields

Methodology

- ▶ Data collection from AMS w/ agreed format and guidelines
- ▶ Online ASEAN open data dictionary and visualization facility w/ report and documents(operation manuals..)

2-3 Analysis of Open Data Readiness

(10 ASEAN Member States)

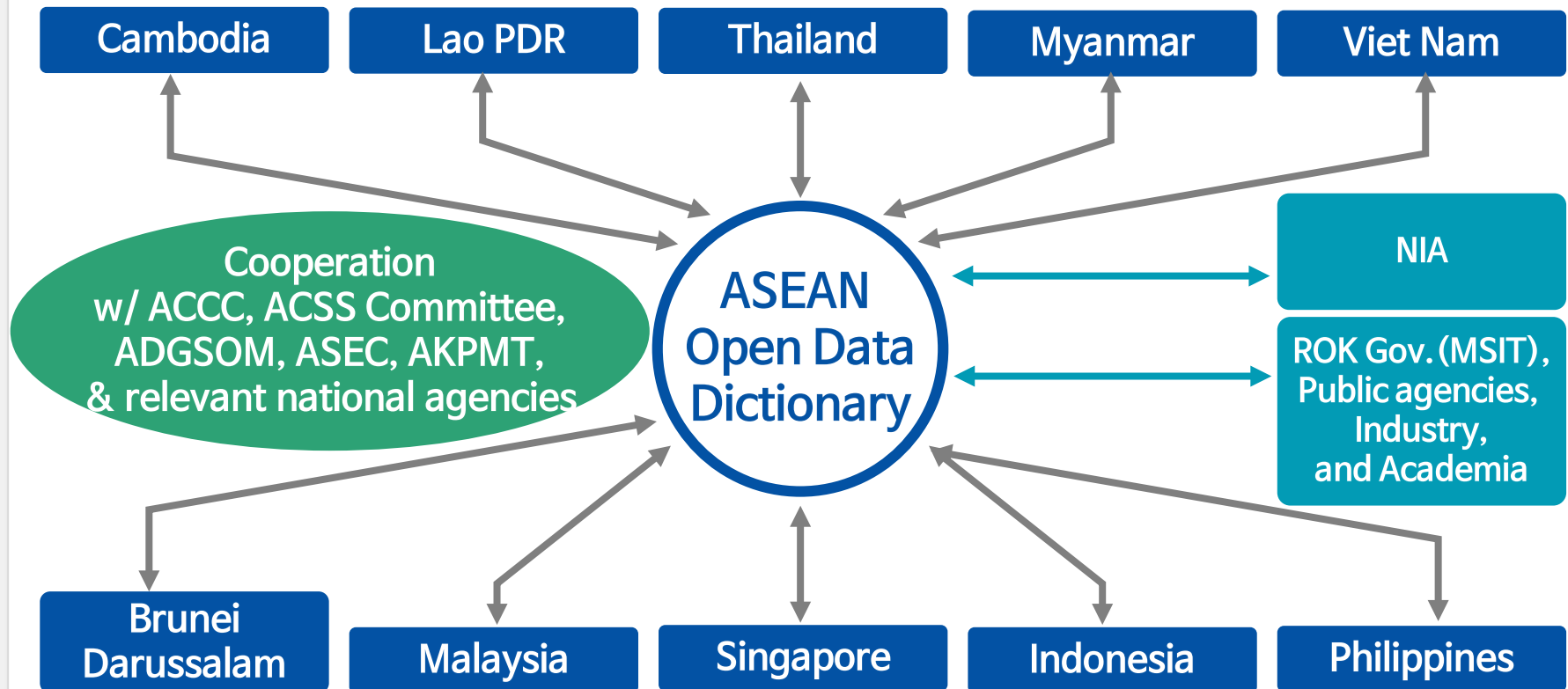
Category	Check Points
Data	<ul style="list-style-type: none"> • What are the available data sets and what are the characteristics ? • What is the main ministry/gov't agency responsible for the government(public) data management in each AMS? • Are there any laws and regulations for open government data management and data protection ? • Are there any laws and regulations on data interoperability following international standard?
Process	<ul style="list-style-type: none"> • What is the general process/procedure for open government data within each country ? • What is the general process/procedure for open data sharing among the 10 AMS ?
IT Infrastructure	<ul style="list-style-type: none"> • How data is collected and refined (manual/computerized(automatic)) ? • How data is managed within the country and among the 10 AMS ? • What is the status of IT infrastructure/environment ? (ex. S/W, H/W, D/B, network, and human resources, etc.) • Is there any ongoing or planned (infra-related) project for open data collection & management ?

* Note : An ASEAN regional framework for open data collection, management, and sharing to be developed

2-4 Development of ASEAN Open Data Dictionary

To formulate a development strategy for ASEAN Open Data Network with data dictionary shared with the AMS which would help sustainable development based on readiness of each AMS and the developed ASEAN Open Data Dev. Framework

Scope of ASEAN Cooperation Project: ASEAN Open Data Dictionary (from February 2021 to April 2022)



2-5 ASEAN Open Data Forums for Consultation and Capacity Building

- The forums will provide participants with opportunities to :
 - ▶ benchmark global best practices in the sector of open data
 - ▶ Learn AMS' data collection and management trials
 - ▶ Share the progress of the ASEAN-ROK project and discuss the future plans
 - ▶ Provide a platform for intense networking for all those invited to attend

Category	Consultative Forum	High-level Forum
Period	September 2021 (To be confirmed)	February - April 2022 (To be confirmed)
Main Objectives	<ul style="list-style-type: none"> Learn ASEAN's open data collection and mgmt. Share Framework for ASEAN Open Data Network and ASEAN open data dictionary being developed and get feedback from the AMS Build the capacity for ASEAN's open data policy for pursuing the MPAC 2025 	<ul style="list-style-type: none"> Share the progress of developed ASEAN Open Data Dictionary, get feedback from the AMS, as well as discuss challenges and opportunities for solutions
Venue	TBD (under consideration for having virtual forums, due to the uncertainty brought by COVID-19)	
Countries to invite	Brunei Darussalam, Cambodia, Indonesia, Lao PDR, Malaysia, Myanmar, Philippines, Singapore, Thailand, Vietnam, ASEC, NIA	Brunei Darussalam, Cambodia, Indonesia, Lao PDR, Malaysia, Myanmar, Philippines, Singapore, Thailand, Vietnam, ASEC, NIA
Expenses (grant)	<ul style="list-style-type: none"> Expenses for travel expenses for invitees like flight tickets, accommodation, meals and per diem, etc. Expenses for workshop preparation including invited speakers, workshop hall rental, bus rental and reception, etc. 	

2-6 Project Management & Implementation Arrangements

Management Arrangements

- ▶ The project is under the purview of ASEAN Connectivity Coordinating Committee (ACCC)
- ▶ The implementation of the project will be reported to ACCC, ASEC, AKPMT, and MSIT

Implementation Arrangements

- ▶ **The project will be implemented by NIA (National Information Society Agency) of Korea with support from ACCC (ASEAN Connectivity Coordinating Committee), ADGSOM, ACSS Committee, ASEC, AKPMT and additional Korean experts from other government entities, industry, academia as needed**
- ▶ **ACCC, ADGSOM, ACSS Committee, and relevant sectoral bodies of ASEAN**
 - Review and comment on project plan and outputs
 - Coordinate meetings with focal points of AMS
 - Provide relevant information including ASEAN's approach and trials for the ASEAN open data network
 - Provide support for developing open data dictionary and its visualization facility online
- ▶ **Focal Points of ASEC & AKPMT**
 - Coordinate meetings with relevant ministries and/or entities
- ▶ **Korean Experts (NIA, KDS, KAIST, and others)**
 - Provide policy and technical assistance for the project

3-1 Project Schedule (in 2021 only)

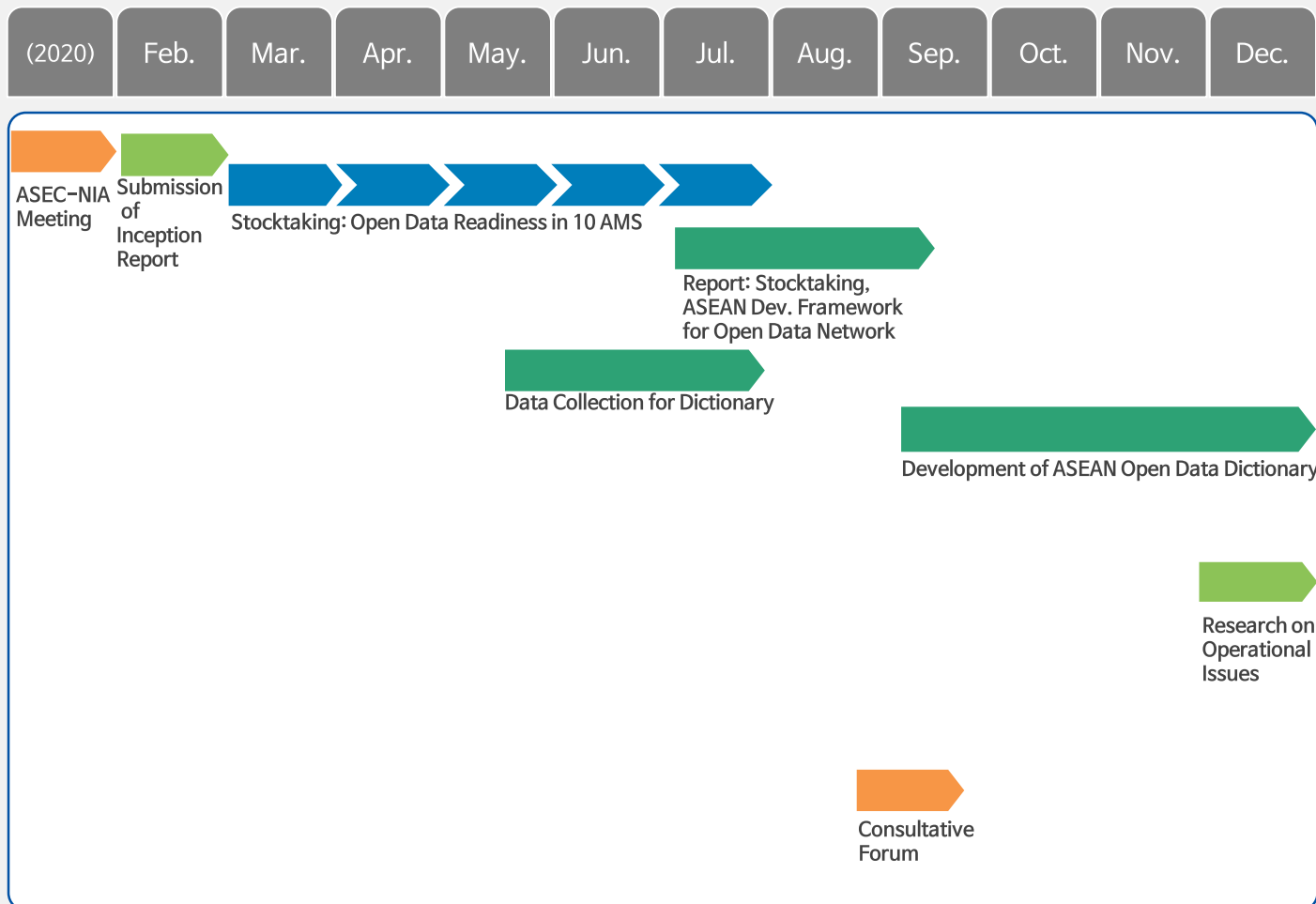
Main Activities

Analysis on ASEAN
open data readiness
and development of
Framework for
ASEAN Open Data
Network

Development of
ASEAN Open Data
Dictionary
w/ visualization
facility

Research of
Operation Issues
related to the
Dictionary

Forums:
Capacity Building
&
Consultation



3-2 Sustainability and Future Plans



ASEAN Open Data Dictionary (1st Phase : '21.2 ~ '22.4)

- ▶ Output : ASEAN Open Data Dictionary & Visualization facility
(for two prioritized sectors)
- ▶ For 10 AMS of ASEAN
- ▶ Fund : ROK-ASEAN Cooperation Fund

▶ Expected Benefits

- 1) to quickly grasp the status quo of AMS for ASEAN Open Data Network
- 2) to draft and suggest a open data development framework for ASEAN
- 3) to develop ASEAN Open Data Dictionary available online
- 4) to explore further opportunity through the pilot visualization facility
- 5) to build the capacity of quality open data production and refinement



Brunei
Darussalam



Cambodia



Indonesia



Lao PDR



Malaysia



Myanmar



Philippines



Singapore



Thailand



Viet Nam



ASEAN Open Data Dictionary (2nd Phase : '22 ~ '23)

- ▶ Output : ASEAN Open Data Dictionary & Visualization facility and more
(w/ wider coverage)
- ▶ For 10 AMS of ASEAN
- ▶ Fund : ROK-ASEAN Cooperation Fund

▶ Expected Benefits

- 1) to have stabilized and sustainable open data supply & demand
- 2) to have concrete foundation for ASEAN Open Data Network



Brunei
Darussalam



Cambodia



Indonesia



Lao PDR



Malaysia



Myanmar



Philippines



Singapore



Thailand



Viet Nam

Appendix 1

ASEAN Open Data Dictionary – Selection of Priority Sectors

Selection Criteria?

- ▶ Common Interest among the 10 AMS
- ▶ Availability of Data
- ▶ Potential Commercial Value

Priority Sectors could be...

- ▶ Agriculture;
- ▶ Transportation / Mobility;
- ▶ Trade - Import / Export



Thank You!