

*Mainstreaming climate change
adaptation in development:
JICA Project in Indonesia as a case*

Asia-Pacific Climate Change Adaptation
Forum 2014

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Project of Capacity Development for Climate Change Strategies in Indonesia (2010-2015)

PROJECT OUTLINE

- (1) Counterpart: National Development Planning Agency (BAPPENAS), The Agency for Meteorology Climatology and Geophysics (BMKG), Ministry of Agriculture, Ministry of Environment, Ministry of Public Works, and others
- (2) Duration: October 2010 – October 2015

SUB-PROJECT1

Mainstreaming of Mitigation and Adaptation In National Development Planning

■ Counterpart: National Development Planning Agency (BAPPENAS)

■ Sub-Project Purpose: Capacity development of the key ministries and local governments to formulate mitigation actions in a monitored, evaluated and reported manner and to integrate adaptation into developing planning

- Support for RAN/GRK secretariat
- Capacity development for Monitoring, Evaluation and Reporting (MER) of mitigation actions (Pilot Sites for RAD/GRK: North and South Sumatera)
- Support for National Adaptation RAN-API
- Background study for National Mid-term Development Plan (RPJMN2015-2019)

SUB-PROJECT2

Climate Change Adaptation Actions in Agriculture and Other Relevant Sectors

■ Counterpart: BAPPENAS, The Agency for Meteorology Climatology and Geophysics (BMKG), and Ministry of Agriculture (MOA)

■ Sub-project Purpose: Capacity development for promoting climate change adaptation actions in agriculture and other relevant sectors

- Analysis on climate variability and change and of its communication
- Climate change adaptation practiced by farmer communities
- Improved comprehension of the importance of crop insurance in agricultural protection

SUB-PROJECT3

Preparation of national GHG Inventories

■ Counterpart: Ministry of Environment (KLH)

■ Sub-project Purpose: Capacity building for preparing national GHG inventories with cooperation among stakeholders

- Capacity development of inventory office (SIGN Center) inside KLH
- Institutional arrangement of national system for preparing GHG inventories
- Appropriate data collection and compilation, as well as quality assurance

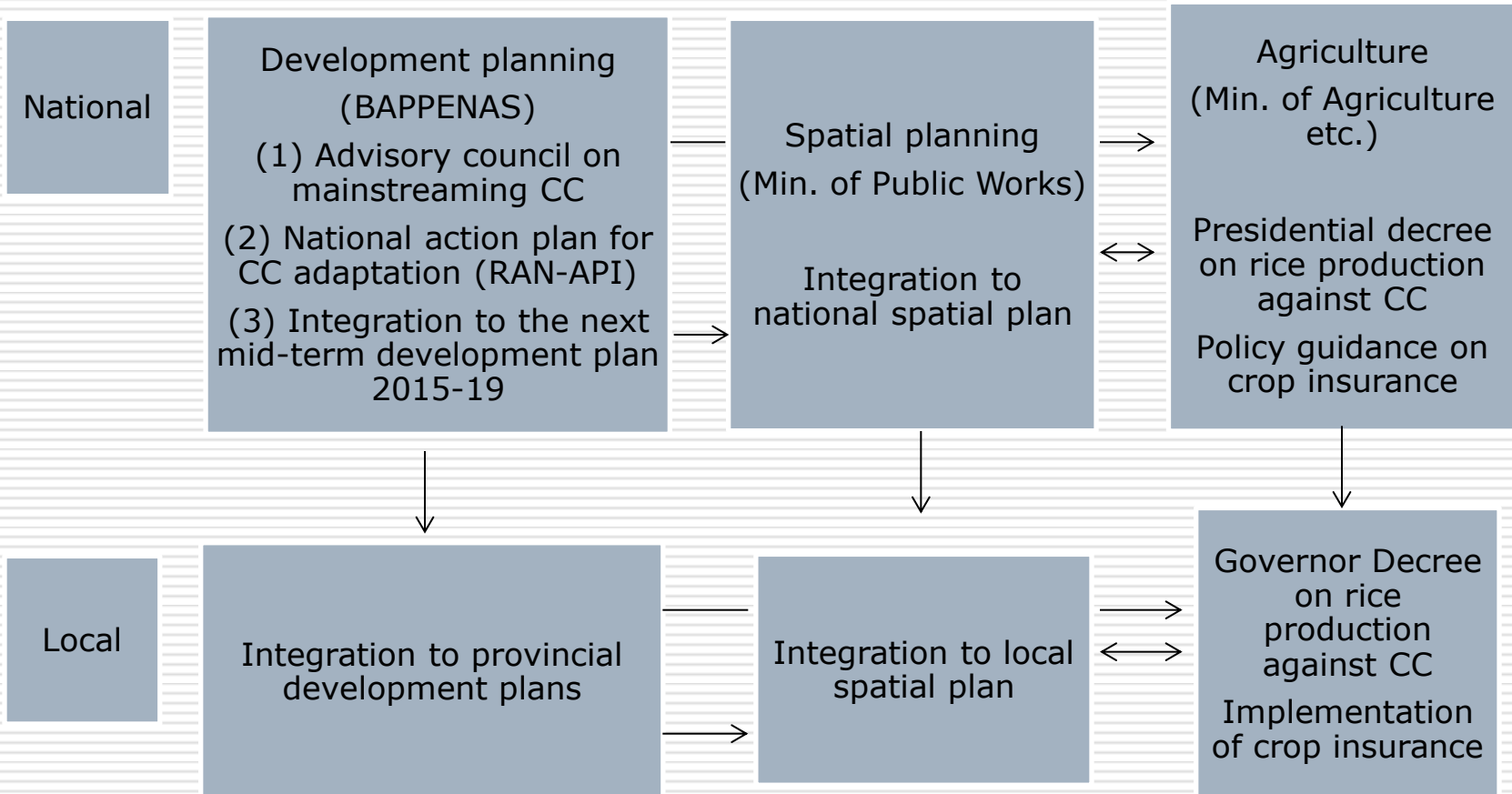
JICA support on adaptation: national level

National Development Planning Agency (BAPPENAS)	<ul style="list-style-type: none">- Advisory council on mainstreaming adaptation- National Action Plan on Climate Change Adaptation (RAN-API)- Operations of RAN-API secretariat- Background study on climate change for the next national mid-term development plan 2015-19
Ministry of Public Works	<ul style="list-style-type: none">- Integration of climate change to spatial planning
Min. of Agriculture, BAPPENAS, & Min. of Finance	<ul style="list-style-type: none">- Regulation on crop insurance
Meteorological agency (BMKG)	<ul style="list-style-type: none">- Training on seasonal forecasting, climate change projection, vulnerability assessment

JICA support on adaptation: local level

Development	<ul style="list-style-type: none">- Integration of climate change to provincial mid-term development plan
Spatial planning	<ul style="list-style-type: none">- Integration of climate change to local spatial planning
Agriculture	<ul style="list-style-type: none">- Governor decree on rice production against climate change- Pilot implementation of crop insurance for rice farmers- Vulnerability assessment

Efforts for horizontal/vertical integration: Examples from JICA project in Indonesia



Assessment of policy integration in Indonesia based on criteria of Mickwitz et al. (2009)

Criterion	Assessment
Inclusion	Inclusions of CC to national and provincial development plans are taking place. Sectoral and regional variations exist.
Consistency	Contradictions between CC and other policy objectives recognized. The effort to minimize the contradictions revealed need to be systemized.
Weighting	The weighting of CC objectives in relation to other policy objectives has not yet clearly expressed. Procedures for determining the relative priorities need to be in place.
Reporting	Evaluation and reporting requirements have been stated in RAN-API and other policy documents. Indicators are being defined.
Resources	Resource requirements have been stated to some extent in RAN-API. The capacity development is being progressed. Integration to development plan is a condition for being budgeted.

Lessons being learned

- ❑ Multiple points of integration
- ❑ Multiple points where contradictions may be found
- ❑ Multiple evaluation on policy coherence
 - Merit of having multiple partners
 - Collective learning
- ❑ Build upon existing policy planning and coordination mechanism
- ❑ Minimize contradictions, but many responses require tailor-made solutions at local level



ABOUT US

JICA PROJECT OF CAPACITY DEVELOPMENT FOR CLIMATE CHANGE STRATEGIES IN INDONESIA

SUB-PROJECT1 Formulate NAMA in a MRV manner and integrate adaptation into development planning

- Counterpart: SAPPENAS
- Sub-Project Outputs:
 - ① Capacity for formulating NAMA in a MRV manner
 - ② Capacity for integrating adaptive into development planning
 - ③ Background study for RPJMN 2015-2019 on low carbon development policy
- Pilot areas for NAMA: water/sub-sector relating to Energy Efficiency, Farm-to-Fork, Rubber Processing, Fertilizer Manufacturing and Waste
- Pilot Areas: North Sumatra and South Sumatra
- Produce List of NAMA Projects in a MRV manner, Draft Strategy for Mainstreaming Adaptation into National Development Planning, Background study for RPJMN 2015-2019 on low carbon development policy

SUB-PROJECT2 Vulnerability Assessment

- Counterpart: BRMG
- Sub-Project Outputs:
 - ① Basic Capacity for Vulnerability Assessment
 - ② Capacity for climate change projection and verification (assessment of exposure)
 - ③ Capacity for assessment of adaptive capacity
- Pilot Sites: Bali
- Produce vulnerability assessment report, including vulnerability maps

SUB-PROJECT3 Prepare national GHG Inventories

- Counterpart: KLH
- Sub-Project Outputs:
 - ① Institutional arrangement for preparing national GHG inventories
 - ② Capacity to periodically and systematically select and compile data necessary for national GHG inventories
 - ③ Accuracy and reliability of GHG inventories for each sector
- Pilot sites: North Sumatra and South Sumatra
- Pilot sector: Waste sector
- Produce draft national GHG inventory reports (2009 and 2013)

PROJECT OF CAPACITY DEVELOPMENT FOR CLIMATE CHANGE STRATEGIES IN INDONESIA

The Government of Indonesia collaborates with Japan International Cooperation Agency (JICA), the bilateral agency for implementing the official development assistance (ODA) of Japan, in enhancing its own capacity to tackle climate change and achieve sustainable development. This cooperation project will also thereby contribute to the global actions towards climate change. The major components of the project include, among others:

- Formulation of mitigation actions in a measurable, reportable and verifiable manner
- Mainstreaming of adaptation into national development planning
- Assessment of climate change vulnerability
- Preparation of national greenhouse gas inventories

Under the coordination of the National Development Planning Agency (SAPPENAS), the project has started in 2010 and will continue for five years.



INTRODUCTION

Objective

To improve the capacity of local governments and related ministries to formulate NAMAs in a measurable, reportable, and verifiable (MRV) manner and mainstream adaptation into development planning, the outputs of the subproject are as follows:

- The capacity to formulate NAMAs in a measurable, reportable and verifiable manner in energy efficiency improvement sector (fertilizer, rubber, and palm oil manufacturing, etc.), waste management sector in North Sumatra and South Sumatra is enhanced.
- The capacity for mainstreaming adaptation into development planning in North Sumatra is enhanced.
- The draft strategy to mainstreaming adaptation into national development planning is developed.
- Background study of Mid-Term National Development Plan (RPJMN 2015-2019) for low carbon development policy as well as mitigation and adaptation actions is formulated.

Activities

Firstly, JICA Expert Team, in cooperation with local SAPPENAS (Regional Development Planning Agency of Indonesia), holds workshops and study sessions regarding NAMAs in energy efficiency improvement sector (fertilizer, rubber, and palm oil manufacturing, etc.), waste management sector in North Sumatra and South Sumatra, and mainstreaming adaptation into development planning in North Sumatra, under the framework of regional working group.

Secondly, JICA Expert Team is preparing to hold 1st Study Session of Regional Working Group for Adaptation Mainstreaming Study in North Sumatra.

Thirdly, JICA Expert Team assists the advisory council established by SAPPENAS (The National Development Planning Agency of Indonesia) in order to develop a draft strategy to mainstreaming adaptation into national development planning.

Fourthly, the JICA Expert Team will also investigate several levels of policy measures in the field of mitigation and adaptation in Indonesia in order to provide input to upcoming RPJMN 2015-2019 in the country.

NEWS

PUBLICATIONS