



# Japan's Support for mitigation actions/INDC preparations in developing countries

23<sup>rd</sup> October 2014

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# Support on Mitigation actions and INDC development

Japan has supported national mitigation actions by Asia-Pacific developing countries in various ways. Recently INDC preparation came into the scope of such support activities.

Objective/Category	Examples of support activities	
GHG inventory, National Communications, and Biennial Update Report (BUR)	Workshop on Greenhouse Gas Inventories in Asia (WGIA) (since 2003) by MOEJ	Case 1
	Capacity Building for National GHG Inventory in Vietnam (2010-2014) by JICA	
Integrated Assessment (Modelling and Scenario)	Asia Pacific Integrated Model (AIM) International Workshop/ Training workshop (since 1994) by NIES	Case 2
Nationally Appropriate Mitigation Actions (NAMA)	Guidebook on NAMA-based experiences in Asia (2013) by MOEJ and other relevant organizations	
	Support the development of NAMA by MOEJ and OECC	
	Low Carbon Asia Research Network (LoCARNet) since 2012	
Overall technical supports (knowledge sharing, institutional arrangements etc.)	Asia Pacific Seminar on Climate Change (AP Seminar) (2014) by MOEJ (23 <sup>rd</sup> AP Seminar's topic: NAMA and INDCs)	Case 3
	Policy Dialogue on Climate Change in SIDS (21 Small Island Developing States) (2014) by MOFA (INDC is one of topics)	
	Climate Change International Technical and Training Centre (CITC, Thailand) (2013-16) by JICA	

# Case 1: Workshop on GHG Inventories in Asia(WGIA)

Technical workshops have been hosted by the MOEJ and the National Institute for Environmental Studies (NIES) annually since 2003 to improve GHG inventories preparations by each Asian developing country and to enhance regional cooperation.

2003	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
WGIA1 Thailand	WGIA2 China	WGIA3 Philippines	WGIA4 Indonesia WGIA5 Malaysia	WGIA6 Japan	WGIA7 Republic of Korea	WGIA8 Lao PDR	WGIA9 Cambodia	WGIA 10 Vietnam	WGIA 11 Japan	WGIA 12 Thailand



WGIA1 (2003)



WGIA12 (2014)

## 12<sup>th</sup> workshop on 4-6 August 2014, Bangkok

- 120 participants from government officials, researchers, compilers from 14 Asian countries and International Organizations.
- Aiming to:
  - 1) enhance sector-specific capacity for inventory compilation (Mutual learning),
  - 2) facilitate GHG inventory preparation for national communications (NCs) and biennial update reports (BURs),
  - 3) explore good practice for further improvement of QA/QC,
  - 4) promote Measurement, Reporting and Verification (MRV) activities.



# Main findings of the WGIA12

Participants shared the view that enhancing capacity for compiling GHG inventories at various levels will contribute to the planning and verification of NAMAs, and also help form the basis for each own INDC.

## Main findings of the WGIA12

- Participants also shared the view that QA/QC of NCs and BURs, which developing countries will submit to UNFCCC secretariat by December 2014, is important for forthcoming International Consultation and Analysis (ICA) process, and technical analysis through ICA process help enhance quality of BURs.



Website

## Future plan of WGIA (2015)

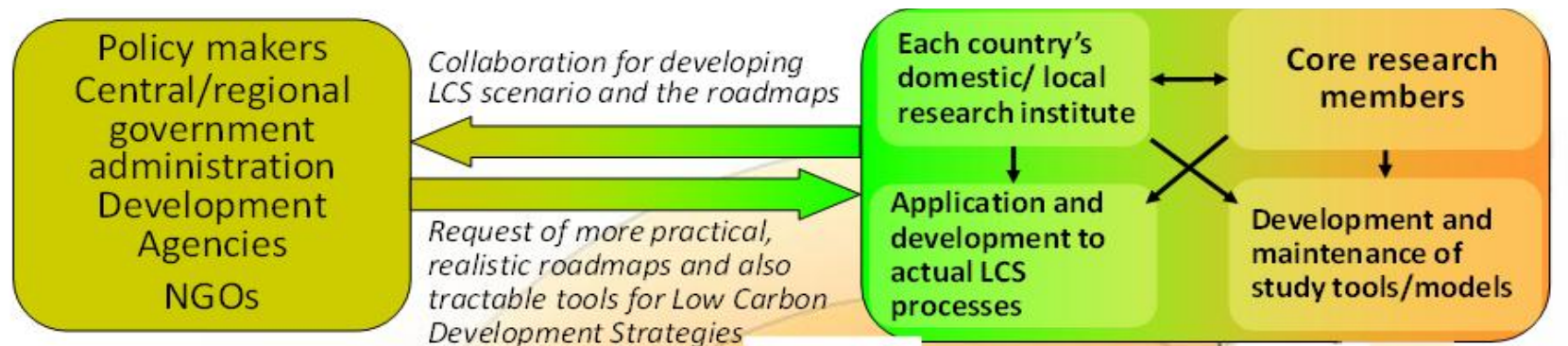
- WGIA13 will be taken place in Indonesia in 2015 (TBC) to share knowledge and experiences by Asian developing countries related to BUR preparations (and ICA implementation).
- MOEJ and the NIES will continue to hold the annual WGIA under cooperation with other Asian countries.



Proceedings

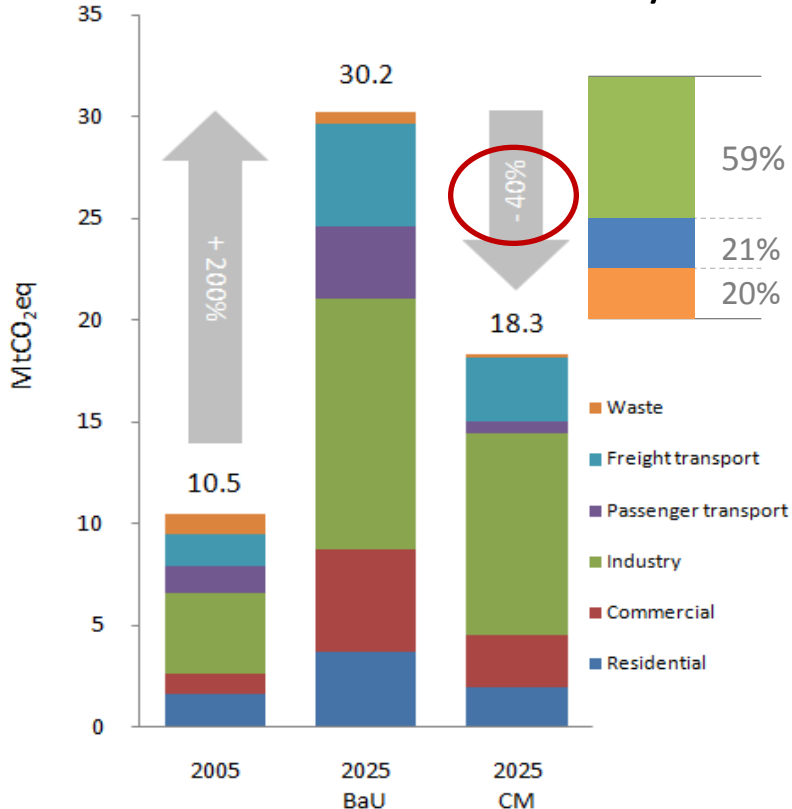
# Case 2: Development of Low Carbon Society (LCS) Scenarios

AIM team in NIES has supported governments and research institutes in 10 Asian countries since 1995 and has started to develop national or subnational LCS scenarios since 2009.



# An example of LCS Scenario (Iskandar, Malaysia)

The project identified a blueprint including 12 practical climate actions to achieve 40% emission reduction from BaU by 2025 by using 2005 as a base year.



## 12 actions for LCS Blueprint

### Green Economy

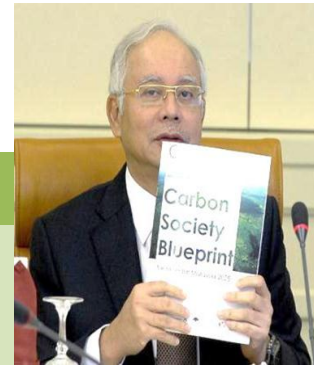
- 1 Integrated Green Transportation
- 2 Green Industry
- 3 Low Carbon Urban Governance
- 4 Green Building and Construction
- 5 Green Energy System and Renewable Energy

### Green Community

- 6 Low Carbon Lifestyle
- 7 Community Engagement and Consensus Building

### Green Environment

- 8 Walkable, Safe and Livable City Design
- 9 Smart Urban Growth
- 10 Green and Blue Infrastructure and Rural Resources
- 11 Sustainable Waste Management
- 12 Clean Air Environment\*\*



The blueprint will be improved and provide Iskandar with concrete solutions for sustainable development.

## Future plan of AIM and LCS training

- AIM Young Researchers' Training Workshop (27<sup>th</sup> October- 7<sup>th</sup> November 2014, Tsukuba, Japan)
- LoCARNet 3rd Annual Meeting (24-26 Nov. 2014, Bogor, Indonesia)
- Policy Dialogue (relating support for NAMA) in Thailand (Jan. 2015, Bangkok, Thailand)
- LoCARNet 4th Annual Meeting (2015, Iskandar, Malaysia)

# Case 3: 23<sup>rd</sup> AP Seminar on Climate Change

Japan has hosted the Asia-Pacific Seminar almost every year since 1991 and Australia has joined it as a co-organizer since 2003. The latest AP Seminar focused on INDCs.

History

Participants

Experts from governments and other stakeholders in Asia-Pacific and even other regions have joined.

Topics

Topics to be discussed in each seminar are decided taking into account situations of international negotiations and needs of Asia-Pacific countries.



Topic of 23<sup>rd</sup> AP Seminar

*Sharing the knowledge of, experience in, and lessons learned from mitigation and relevant strategies/program/activities, taking into account the 2015 agreement*

Date & Place

Held on August 25-26, 2014 in Kanazawa, Japan

Participants

36 Participants from 15 Asia-Pacific countries (Australia, Bangladesh, Brunei, Cambodia, China, Fiji, Japan, Indonesia, Lao PDR, Mongolia, Palau, Philippines, Thailand, the US and Vietnam), EU and 11 Research Institutes and international organizations.



# Summary on 23<sup>rd</sup> AP Seminar: How countries integrate existing elements into their INDCs

Participants shared the views that there are **many useful efforts already in place**, and so it is essential to **integrate each element of support activities into INDCs** in an integrated manner.

## Current practices and challenges in countries in the Asia-Pacific region

- Many countries have covered major sectors of GHG emission, mostly focusing on energy sector. While they have realized that GHG emission from forestry and agriculture sectors has been increasing, however, there are short of data and information.
- Some data are still scattered in various ministries. Therefore, countries need to enhance existing institutional arrangements, and accelerate the process of consensus building.

## Support related efforts by donors

Donor activities showed useful experiences that can be applied to preparation for INDC, such as modelling and scenario development, GHG inventory, NAMA and other policies and measures, LEDS/LCDS, and mitigation project in major sectors.

## Future plan of 24<sup>th</sup> AP Seminar (2015)

- MOEJ wishes to hold the next AP Seminar as early as possible of Q2 in 2015.
- A topic will be based on the outcome of this session as well as the discussion of COP20 (If you have any ideas, we are always welcome to your submission).



# Findings and Messages from a series of support activities

Japan has been providing comprehensive, continuous, and systematic cooperation with developing countries, especially in the Asia-Pacific region, in terms of science-based mitigation policy development.

## ■ Found that:

- Such technical supports for mitigation actions, including modelling and scenario development, GHG inventory, NAMAs and other policies and measures give a good basis for the INDC preparations in each developing country.
- How developing countries can utilize their own knowledge and experience and how to integrate them in a holistic way are key to the INDC development.
- There are still some technical challenges in Asian developing countries, such as shortage of data and information or lack of appropriate institutional coordination.

- Japan will continue to cooperate with developing countries for INDCs development and further implementation of mitigation actions.

# Thank you for your attention!

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Workshop on Greenhouse Gas Inventories in Asia (WGIA)

<http://www-gio.nies.go.jp/wgia/wgiaindex-e.html>

Asia Pacific Integrated Model (AIM) International Workshop/ Training workshop

<http://www-iam.nies.go.jp/aim/index.htm>, <http://2050.nies.go.jp/LCS/>

Guidebook on NAMA-based experiences in Asia

[http://lowcarbon-asia.org/english/data/pdf/nama\\_guidebook.pdf](http://lowcarbon-asia.org/english/data/pdf/nama_guidebook.pdf)

Support the development of NAMA by MOEJ

[http://www.mmechanisms.org/document/new\\_Mecha-Express/NewMechaExp\\_Nov2012\\_E.pdf](http://www.mmechanisms.org/document/new_Mecha-Express/NewMechaExp_Nov2012_E.pdf) (p.4)

[http://www.mmechanisms.org/document/new\\_Mecha-Express/NewMechaExp\\_Mar2013\\_E.pdf](http://www.mmechanisms.org/document/new_Mecha-Express/NewMechaExp_Mar2013_E.pdf) (p.3-4)

Low Carbon Asia Research Network (LoCARNet)

<http://lcs-rnet.org/>

Asia Pacific Seminar on Climate Change (AP Seminar) (23<sup>rd</sup> AP Seminar's topic: NAMA and INDCs)

<http://www.env.go.jp/en/earth/ap-net/index.html>

Policy Dialogue on Climate Change in SIDS (21 Small Island Developing States)

[http://www.mofa.go.jp/press/release/press4e\\_000337.html](http://www.mofa.go.jp/press/release/press4e_000337.html)

Climate Change International Technical and Training Centre (CITC, Thailand)

<http://www.citc.in.th/index.php/en/>