

NAMA and MRV: In Market Mechanisms

New Market Mechanism and MRV Workshop July 4, 2011

Kazuhisa KOAKUTSU Deputy Director, Market Mechanism Group Institute for Global Environmental Strategies

NAMAs are Mitigation Actions

◆It has been discussed under the UNFCCC since 2007 (COP13)

It refers to the mitigation actions under the convention with MRV component

1. *Decides* to launch a comprehensive process to enable the full, effective and sustained implementation of the Convention through long-term cooperative action, now, up to and beyond 2012, in order to reach an agreed outcome and adopt a decision at its fifteenth session, by addressing, inter alia:

- (b) Enhanced national/international action on mitigation of climate change, including, inter alia, consideration of:
- (ii) <u>Nationally appropriate mitigation actions by developing country Parties</u> in the context of sustainable development, supported and enabled by technology, financing and capacity-building, in a measurable, reportable and verifiable <u>manner</u>;

NAMAs can be supported by Market Mechanisms

80. *Decides* to consider the establishment, at its seventeenth session, of one or more market-based mechanisms to enhance the cost-effectiveness of, and to promote, mitigation actions, taking into account the following:

 Ensuring voluntary participation of Parties, supported by the promotion of fair and equitable access for all Parties;

(b) Complementing other means of support for nationally appropriate mitigation actions by developing country Parties;

(c) Stimulating mitigation across broad segments of the economy;

(d) Safeguarding environmental integrity;

(e) Ensuring a net decrease and/or avoidance of global greenhouse gas emissions;

(f) Assisting developed country Parties to meet part of their mitigation targets, while ensuring that the use of such mechanism or mechanisms is supplemental to domestic mitigation efforts;

(g) Ensuring good governance and robust market functioning and regulation;

Cancun Agreement (FCCC/AWGLCA/2010/L.7) 3

NAMAs can be Based on the National Policy for Climate Change

National Development Plan

Climate Change Policy
 ✓Low Carbon Development Strategy
 ✓Mitigation Strategy

Mitigation Options

 ✓ Government Program
 ✓ Market Mechanisms (e.g. Emission Trading, Domestic offset scheme)

MRV of NAMAs can be Regional and Sector basis Scope Data		
National Inventory	National Level	IPCC Guideline National Data
 NAMAS Government Program Market Mechanisms (e.g. emission trading, domestic offset scheme) 	Regional Sector Program Project	IPCC+CDM +α Regional/ Sector Data
◆CDM	Project Specific	CDM Methodology Project Specific Data 5

Calculation of NAMAs Requires Emission Reductions like CDM

National Inventory

Emissions = Activity Actual* CO₂ EF

NAMAs

Emissions Reductions = BAU(Activity estimated * CO₂ EF) – Project (Activity Actual * CO₂ EF)

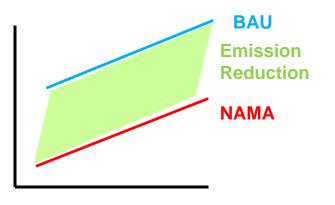
♦CDM

ER = Baseline Emission – Project Emission

6

ER = Comparing with BAU

- When calculating emission reductions, most important part is to estimate emissions from BAU
- BAU can be estimated based on:
 - ✓ CDM methodology
 - ✓ IPCC inventory guideline
 - New methodology developed



What is the Guideline for MRV?

CDM < MRV Guideline < ISO14064+65

CDM-PDD

A.General description B.Baseline/Monitori ng C.Crediting period D.Environmental impacts E.Stakeholder

MRV Guideline

-Boundary

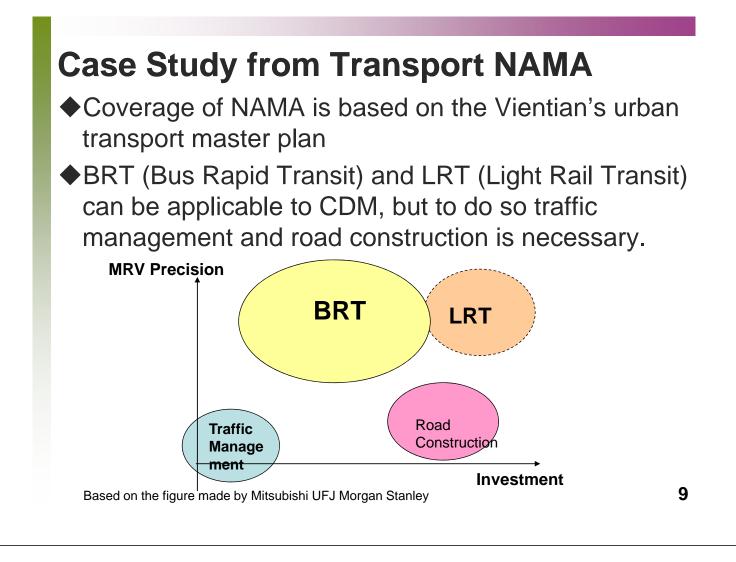
- -Category (NAMA,
- Sectoral, etc)
- -Reference
- scenario/emission -Monitoring

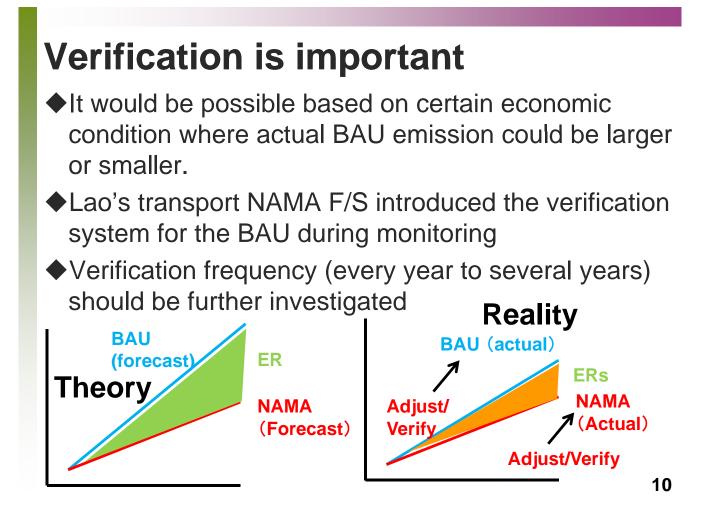
ISO14064+65

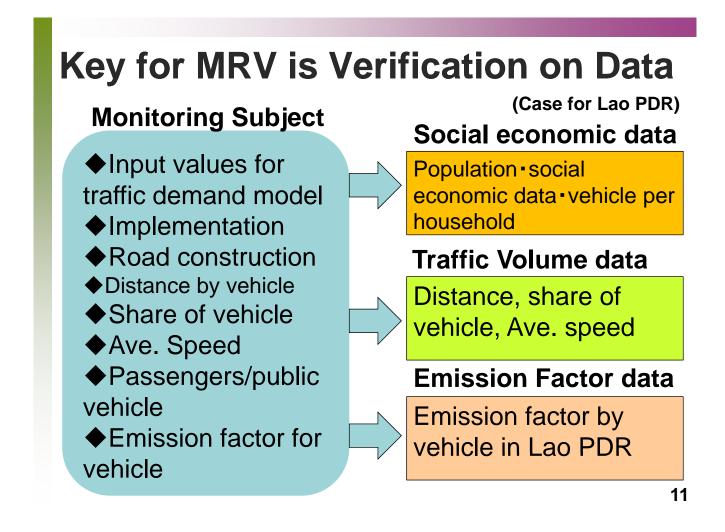
-Boundary -GHG source -Baseline scenario -ER calculation -Monitoring

- -Reporting
- -Verification

7







Support for the next

1 Development of MRV methodology

Both Forecast and verification

Practical for use

② Test of MRV; can be implemented?

Existing data can be used?

There will be case where MRV is impossible

③ MRV institutional framework

- Monitoring, reporting and verification system
- Training of verifier in host country