



# Indonesia's National Mitigation Action: Paving the Way Towards NAMAs

(Input to OECD/IEA Seminar on MRV and carbon markets, a CCXG and Global Forum event)

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# Outline

1. An Overview of the planning program of Indonesia's NAMA programme
2. How Indonesia's NAMAs may be measured, reported and Verified (MRV)
3. Financing Indonesia's NAMAs

# National Mitigation Action Plan (RAN-GRK)

## Overall objective

- Contribute to global efforts to reduce emissions and to tap international funding for Indonesia

## What it is

- Integral part of National Development Plan, regularly updated
- Core activities, integrated among sectors, to reduce emissions and support activities to strengthen policy framework
- Compiled based on proposals of actions from implementing agencies, based on existing actions that have co-benefits in reducing GHG emissions

## Main principles

- Should not hinder economic growth
- Enhance people's welfare in the sense of sustainable development
- Protection of poor and vulnerable communities

# Possible distribution and Target of Emission Reduction

Sector	Emission Reduction (Giga ton CO2e)		Action Plan	Institutions
	<b>26%</b>	<b>+15%</b>		
<b>Forestry and Peatland</b>	<b>0,672</b>	<b>0.367</b>	Forest and land fire control, water and hydrology management on peatland, forest and land rehabilitation, illegal logging control, avoiding deforestation, community development	MoFr, MoPW, MoA, MoE
<b>Waste</b>	<b>0,048</b>	<b>0,030</b>	Sanitary landfill development, 3 R and sewerage system in urban areas	MoPW, MoE
<b>Agriculture</b>	<b>0,008</b>	<b>0,003</b>	Introduktion of low carbon rice variety, irrigation efficiency, organic fertilizer utilization	MoA, MoPW, MoE
<b>Industry</b>	<b>0,001</b>	<b>0,004</b>	Energy efficiency, renewable energy development	MoI
<b>Energy and Transportation</b>	<b>0,038</b>	<b>0,018</b>	Biofuel development and utilization, fuel efficiency improvement, mass transportation, demand side management, renewable energy, energy efficiency	MoT, MoEnergy, MoPW, MoF
	<b>0.767</b>	<b>0.422</b>		

Source: Result from a Ministerial Meeting at Coordinating Ministry of Economics, 29 December 2009

# Developing Indonesian NAMAs

**RAN-GRK  
(as Indonesian NAMA)**

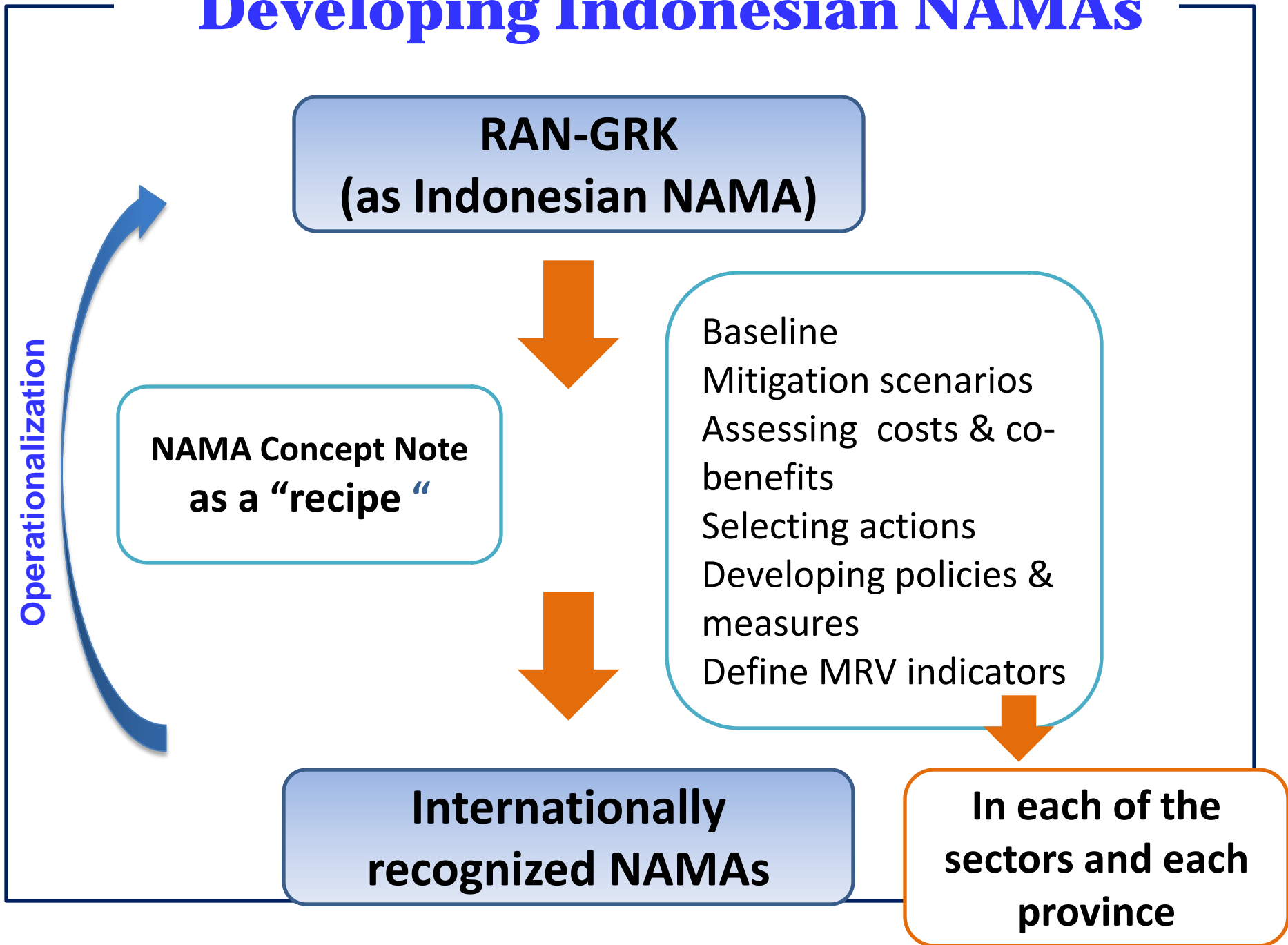
**NAMA Concept Note  
as a “recipe “**

Baseline  
Mitigation scenarios  
Assessing costs & co-  
benefits  
Selecting actions  
Developing policies &  
measures  
Define MRV indicators

**Internationally  
recognized NAMAs**

**In each of the  
sectors and each  
province**

Operationalization



# RAN-GRK: Dual approach

RAN-GRK: Dual approach for allocating mitigation efforts

Sectoral



- Land Based: Agriculture, forestry and land use
- Energy (Industry, transportation, electricity)
- Waste

Regional



- Develop local mitigation action plans (RAD-GRK) incl. provincial targets

# The Indonesian Mitigation Target (2020)

MRV international / REDD+ MRV  
Clear and concise contracts  
Clear executing agencies  
Higher abatement costs  
No offsetting

MRV domestic  
Outlined in  
Medium-Term Dev.  
Plan (RPJM)  
Lower abatement  
costs, economically  
feasible  
National priorities  
No offsetting

**- 41%**

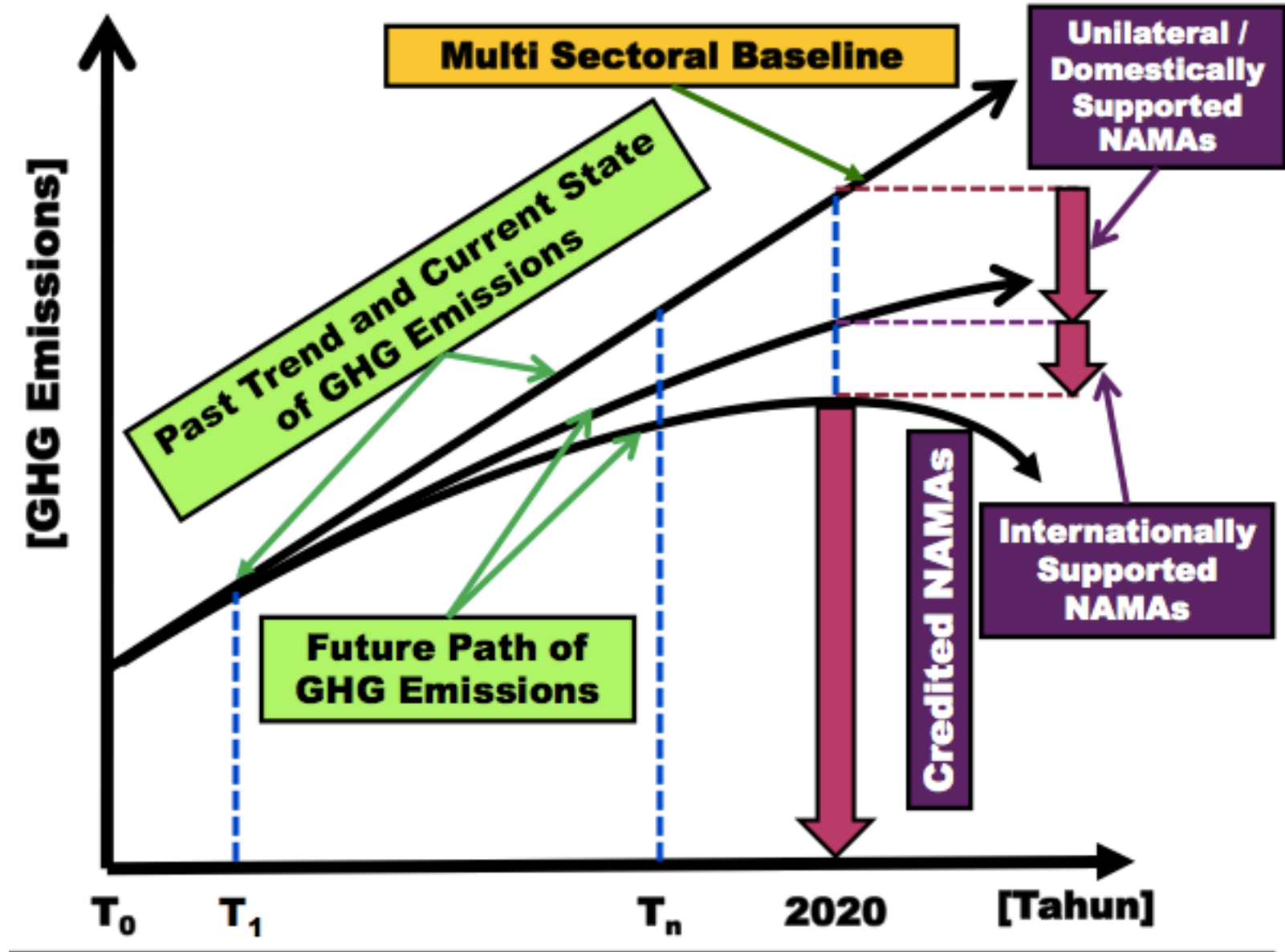
with international support

**- 26%**

without international support

<b>Sector allocations</b>	Forestry + Peat	<b>REDD+</b>	Agriculture	Power - energy	Transport	Waste	Industry
<b>Actions now</b>	Mid-Term Development Plan, sector-strategic 5-year plans						

# Multi sectoral baseline





# Developing Indonesian NAMAs: Tasks ahead I

Set a national multi sectoral baseline for GHG emissions

Establish business-as-usual scenarios for future GHG emission trends and reduction paths

Identification of potential mitigation actions of each sector

Calculate emission reductions

Select mitigation actions: based on cost effectiveness and national development targets

Establish carbon budgets for each sector

Estimate financing needs and related financing schemes

# Developing Indonesian NAMAs: Tasks ahead II

Estimate collateral benefits, e.g. non-GHG benefits in the transport sector related to air pollution reduction

Develop and introduce appropriate mitigation policies & measures

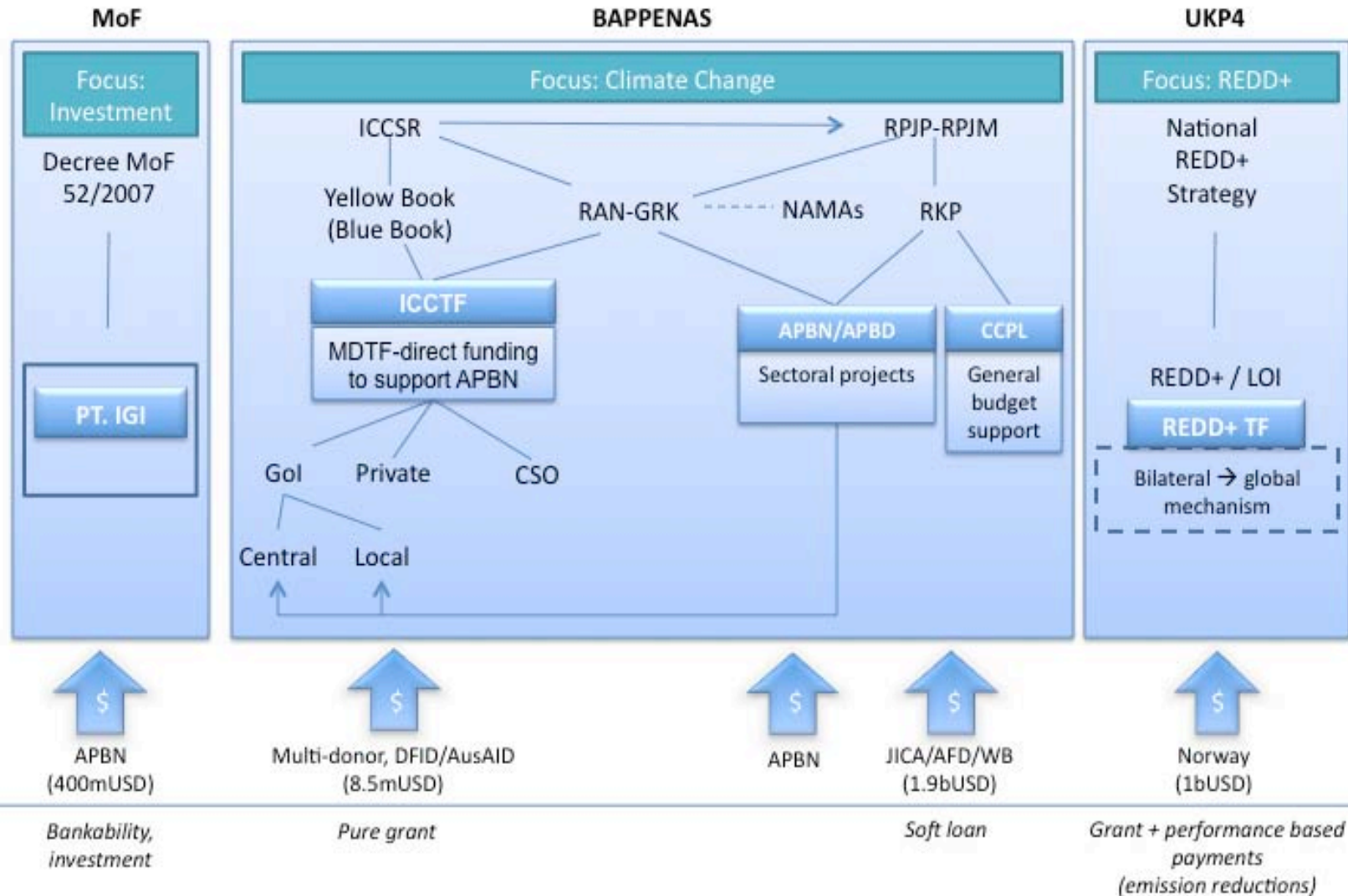
Design and establish a coordination mechanism for NAMAs (e.g., a **NAMAs registry**)

Define roles and responsibilities for (additional) institutions (for example: who will do the MRV)

**Connect the NAMA concept with MRV: Development of indicators**

Public awareness programme

# Mapping of Climate Change Financing in Indonesia



**THANK YOU**