INDONESIA EXPERIENCE IN DEVELOPING TRANSPORT NAMAs

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Indonesian Metropolitan Cities



The Capital City: Jakarta (650 km2); Population 9.588.198 people (1,35% growth/annum)
Population 237.556.363 (2010) (1,49% growth/annum)

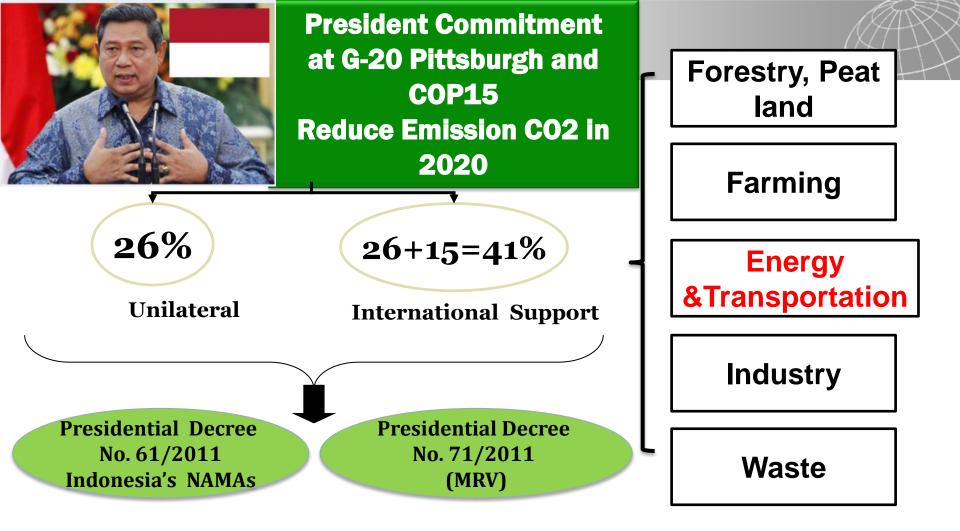
- > Vehicles population 70.714.569
- Consist of 33 Provinces with 491 cities and Regencies

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1 Megapolitan city

11 Metropolitan

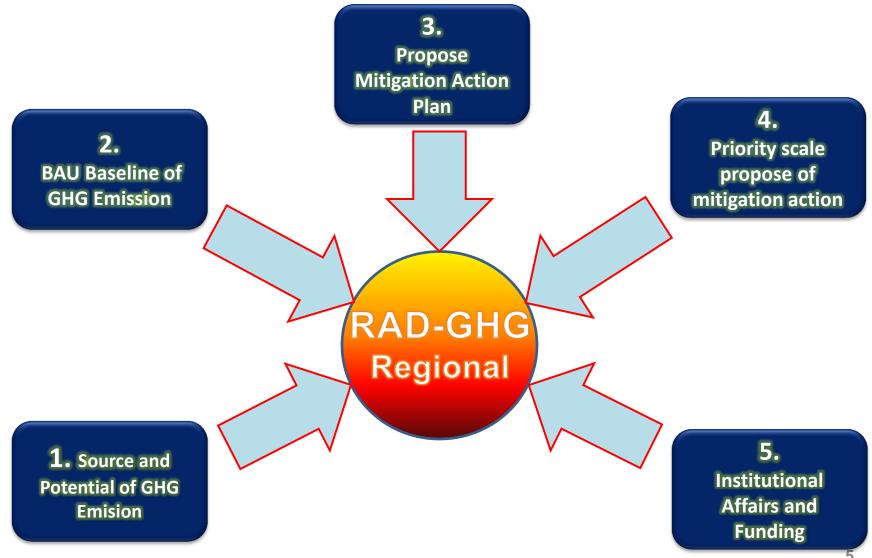
15 Large Cities 39 Medium Cities Other Small Cities



In the year of 2020, 0.038 Giga Ton CO2 emission will be reduced from the transportation sector.

Integration of Indonesia's GHG Mitigation Actions Legal basis Processes/Framework MRV 15 % International President Commitment at **International Support** (development G-20 in Pittsburgh and COP15 to reduce CO2 cooperation, development funds, etc) Emission by 2020 **Presidential Decree** No. 71/2011 on MRV National Transport Sector Actions on GHG Mitigation 26% (i.e. BRT System integration, Development of ITS, etc) National Action Plan on GHG Mitigation Action (RAN – GRK) [Presidential Decree No. 61/ National 2011] National Commitment Master Plan of Acceleration and **Expansion and Economic** on Economic Development (MP3EI) Development Presidential decree no 32/2011 National Long term and Mid Term Planning (BAPPENAS) Local Transport Sector Local Action Plan on GHG Actions on GHG Mitigation Action (RAD – GRK) [Governor Regulation] Mitigation **33 Provinces** Local NAMAs **Piloting in 3 Full Scale** Cities (INDO SUTRI)

Key Substances of RAD-GRK/Local NAMAs



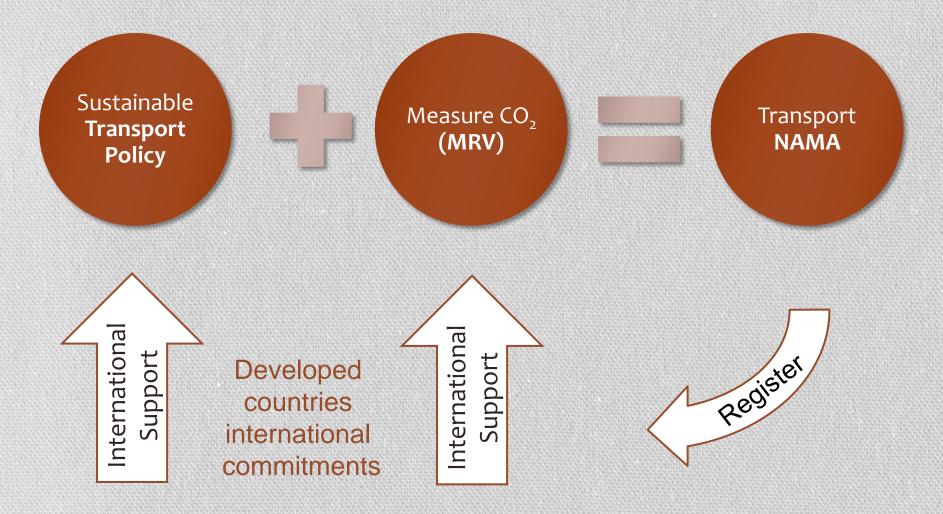
NAMA Concept INDO-SUTRI: Sustainable urban transport initiative



Pilot NAMA: INDO-SUTRI: Sustainable urban transport initiative

- Developed based on discussions, workshops and a NAMA selection process carried out in October 2011
- INDO-SUTRI aims to advance sustainable transport in Indonesian cities by providing financial and technical support, capacity building as well as recognition for urban transport policies
- Builds on current climate and transport policies in Indonesia, including the climate change action plan and national urban transport framework

What makes a policy a NAMA?



19.12.2012

LOCAL ACTION PLAN FOR GHG EMISSION REDUCTION (RAD-GRK)

Governor Regulation on GHG Emission Reduction at the Provincial Level 2010-2020

(North Sumatera)



ACTION PLAN, SOURCE AND ESTIMATE OF FUNDS

No	Mitigation Plan	Source	ESTIMATE OF FUND until 2020 (Billion Rupiah)
1	ITS Development	APBN, APBD, Private Sector, International Donors.	50
2	Implementation of Traffic Impact Analysis	APBN, APBD, Private Sector.	3,2
3	Park Management	APBN, APBD, Private Sector.	10
4	BRT System (Mebidangro Area)	APBN, APBD, BUMN, Private Sector, International Donors.	50
5	Rejuvenation of Public Transport	APBN, APBD, BUMN, Private Sector, Public.	6
6	Installation of Gas Converter on public transport	APBN, APBD, BUMN, Private Sector.	5
7	Training and Socialization of Smart Driving	APBN, APBD, BUMN, Private Sector.	30
8	Feasibility Study of Non Motorized Transport	APBN, APBD, BUMN, Private Sector.	1

ACTION PLAN, SOURCE AND ESTIMADE OF FUNDS

No	MITIGATION PLAN	SOURCE	ESTIMATE OF FUND until 2020 (Billion Rupiah)
9	Development NMT (Pedestrian and		20
	Bicycle Path)	Private Sector.	
10	Increasing down payment for	-	Not necessary fund
	motorcycle loans and private		Tuna
	vehicles progressive tax for four-		
	wheeled vehicles		
11	Railway construction (Medan-	APBN, APBD, BUMN,	100
	Binjai-Deliserdang-Delitua-	BUMD, Private Sector	
	Pancurbatu)		
12	Construction of double track	APBN, APBD, BUMN,	100
	railway Kuala Namu Airport	BUMD, Private Sector	
13	Operation of bus transport Kuala	APBN, APBD, BUMN,	10
	Namu Airport	BUMD, Private Sector.	

ACTION PLAN, SOURCE AND ESTIMADE OF FUNDS

No	MITIGATION PLAN	SOURCE	ESTIMATE OF FUND until 2020 (Milyar Rupiah)
15	Car Free Day	APBD, BUMN, BUMD, Private Sector.	5
16	Installation of gas converters in private vehicles and official cars		5
17	Feasibility Study for Campus Bus Provision	APBD, USU, UNIMED, BUMN	0,5
18	Provision Campus Bus	APBN, APBD, BUMN, USU, UNIMED, Private Sector.	10
19	Construction of Bicycle Paths on Campuses	APBN, APBD, BUMN, USU, UNIMED, Private Sector.	5
20	Tree planting in National and Regional Roads	APBN, APBD, BUMN, BUMD, Private sector	50
21	Increasing the mix of renewable fuel (<i>biofuel</i>)	APBN, APBD, International Donors.	200
22	Integration of transport-related national plan into the educational curricula	APBD	0.1

GHG Emission of North Sumatera Province

No.	Sector	Current Emission 2010 (tCO ₂ eq)	BAU Estimate 2020 (tCO ₂ eq)	RAN – GRK Target Estimate by 2020 (tC0 ₂ eq)	Emission reduction target from 2010 baseline (%)
1.	Agriculture	9.324.598,5	11.727.942,2	5.183.979,0	2,0
2.	Forestry and Peat land	139.132.277,0	0, 187.871.098	31.027.594,7	12,2
3.	Energy	8.383.000,0	22.098.000,0	6.316.000,0	2,5
4.	Transportation	5.299.200,0	10.861.300,0	4.540.000,0	1,8
5.	Industry	7.659.900,0	16.266.210,0	12.037.000,0	4,7
6.	Waste management	2.092.016,0	5.315.858,0	3.947.409,0	1,6
Total Emission		171.890.991,5	254.140.408,2	63.051.982,7	24,8

Concluding Remarks

- Indonesia has formalized the National and also Regional mitigation action plan through the Presidential and Governor regulation.
- Some actions been done in some cities assisted by the Central government, such as developing on BRT, Intelligent transport system, NMT, Eco driving, Gasification, etc
- Indo SUTRI was introduced, 3 cities were chosen as pilot cities to get the international support.
- Indonesia is in a *formal* process of structural transformation through the implementation of Master Plan of Acceleration and Expansion of Indonesia Economic Development (MP3EI), marking the shift from commodity-based economy to industrial and service-based economy. A Sustainable transport policy that aims to make the cities more liveable and promoting environmentally sustainable are introduced in this scheme. Transport NAMAs integrated in this big plan.