



# Cities and NAMA

MAIN Workshop Halong Bay  
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# Brief Reality Check

*(show of hands)*

- Believe Cities Important for NAMA?
- Sat Down With Mayor or City Rep for NAMA?
- Have City Rep on national negotiation team?
- Are City Reps here present?

# Why Cities Matter for NAMA

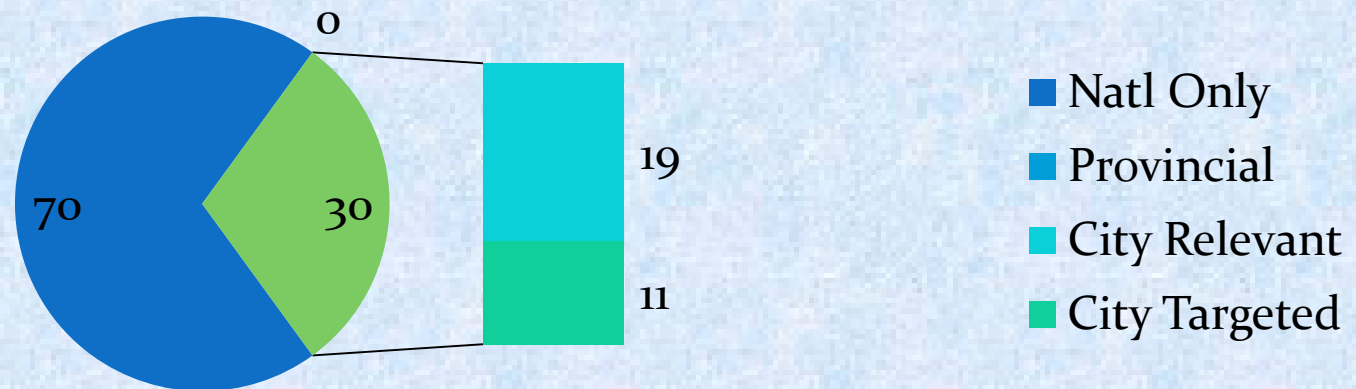
- GHG Emitter
- Mitigation Potential
- Motivator
- Pilot Site & Test Ground
- Implementation Partner

# Why (Many) Cities are Not (More) Involved in NAMA?

- Lack Awareness
- Lack Formal Involvement
- Lack Incentives
- Lack Resources

# NAMAs with City Relevance

Evidence from Ecofys NAMA Database (52 NAMAs Listed) in %



**30% of NAMA ideas have direct relevance to cities.**

**11% target specific cities (6)**

**Relevant Sectors for Cities: Transport, Buildings, Waste.**

# V-NAMA – Vertically Integrated NAMA

Country Emission Targets



National

Local Targets  
& Sust. Dev.  
Benefits

MRV on Low  
Carbon  
Action

Complement  
local policies

National  
GHG  
Targets

Incentives

Mandate  
Regulation

Province

City



# V NAMA – Program

<b>Lead Agency</b>	<b>GIZ</b>
<b>Funding</b>	ICI, BMU Germany
<b>Objective</b>	Involve sub-nationals in achieving national mitigation targets
<b>2 Questions</b>	Incentives? MRV?
<b>2 Countries</b>	South Africa, Indonesia
<b>2 Sectors</b>	Buildings, Waste
<b>2 Outcomes</b>	bankable supported NAMAs, practical guidelines for NAMA design

# V – NAMA South Africa

<b>Policy Context</b>	<b>White Paper, Flagship EE in Buildings</b>
<b>Focus (tentative)</b>	Buildings – Energy Efficiency in Municipal Buildings
<b>GHG share of national</b>	approx 20% (Buildings total)
<b>SD Benefits</b>	Energy cost savings, Environment
<b>Policy Issues</b>	Municipal Finance Restrictions (3 year max contract) Limited Local Commitment
<b>MRV</b>	new mandate for all (>0.1 mt/p.a.)
<b>Lead Agency</b>	DEA (NAMA), others tbd
<b>Subnational Stakeholders</b>	Large Cities (Metros) plus 2 <sup>nd</sup> Cities (to be selected)



# V NAMA Indonesia

<b>Policy Context</b>	<b>National CC Plan, RAN-GRK, Natl Waste Program</b>
<b>Focus (tentative)</b>	Waste – Mcp Solid Waste
<b>GHG share of national</b>	11%
<b>SD Benefits</b>	Health, Environment, Recycle
<b>Policy Issues</b>	Dump sites, RRR, LFG
<b>MRV</b>	Baseline Development for 2010 Min Env (coordinate) w/ sub national Gov
<b>Lead Agency</b>	BAPPENAS (NAMA), Public Works (Waste)
<b>Subnational Stakeholders</b>	Cities (to be selected)

# National and Sub-nationals may have Different Perspectives...

	National Perspective	City/Sub-National
Motivation	National GHG goals International commitment	Add Resources for local Benefits Comply national mandate
Resources	Least Cost to Nat Gov Max Local Contribution Use Mandate where feasible	Max Additional Resources Max Nat or Intl Contribution Incentive better than Mandate
Incentives	Use existing mechanisms	Least Hassle to get funds
Allocation	Performance based	Entitlement, predictable
Use of Resources	Earmarked National priorities	Flexibility of use Local priorities
MRV	Accurate as feasible	Least additional admin burden

# Incentive or Mandate

## Mandate

- Allocate natl CC targets to subnational?
- National Codes/Standards?

## Financial Incentive

- **Local Budget** -
  - own resources - typically small share (20%)
  - New local tax/fee authorization
- **National Budget - Fiscal Transfers**
  - Use existing mechanism, where feasible
  - Opportunity to Influence Allocation Criteria
- **International Funds**
  - Channel?



# MRV – Engage Sub-nationals



**Challenge: aggregate  
at national level.**

**City Level Inventory : ICLEI-  
C40 Methodology**

**Cities Climate Registry:  
Carbonn**

# Involvement of Sub Nationals in NAMA Process

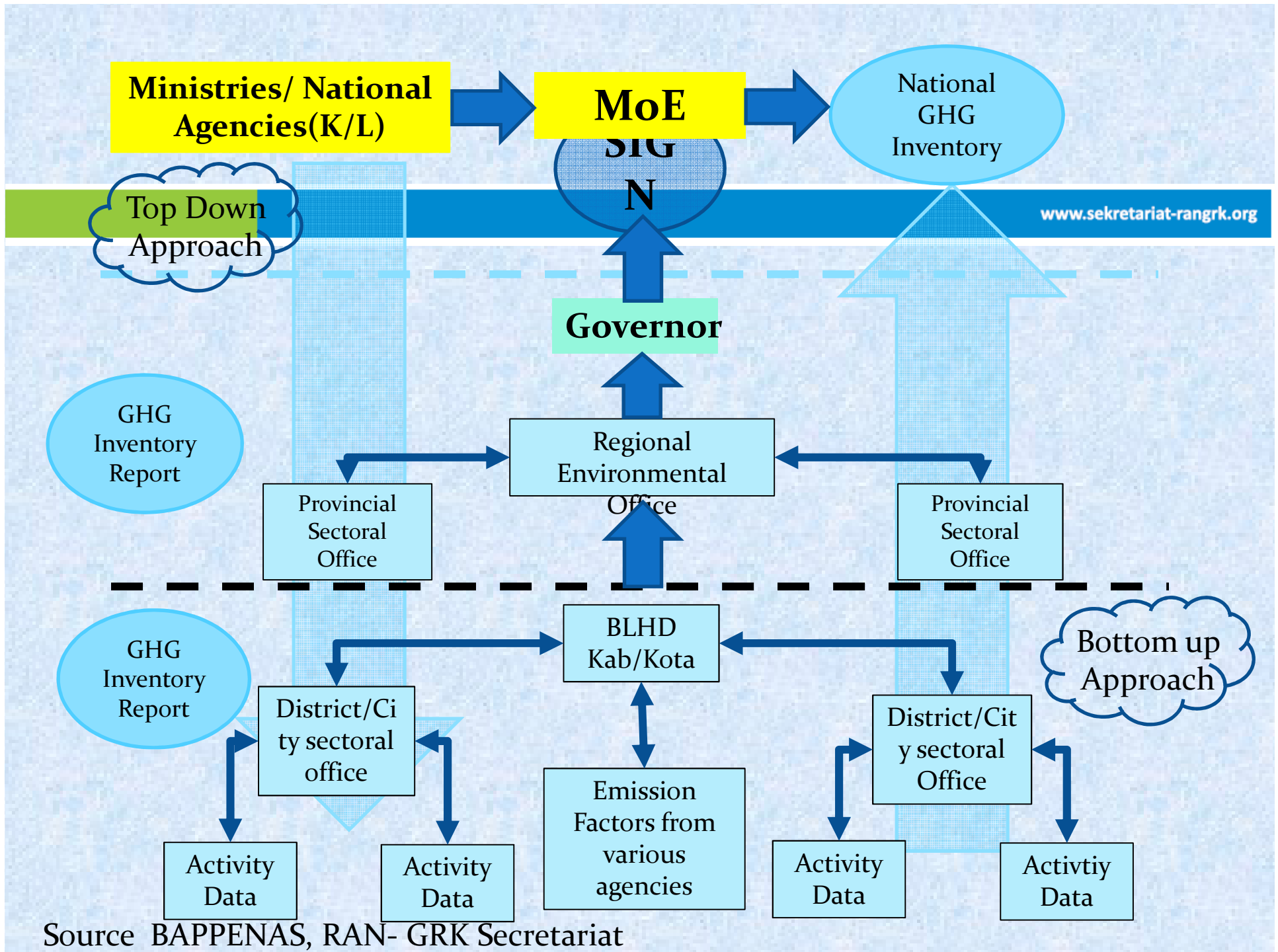
Step	National	City/Sub-national Role
<b>Policy Context</b>	National Targets Sector Policies Distribution Power Nat/Sub-N	Local Priorities
<b>Baseline</b>	Top Down: National Averages Aggregate National Level	Bottom Up: Collect local data Aggregate at province level (?)
<b>Mitigation Options</b>	Know how Technical Assistance	Use Local know how, if available Know 'Reality on the Ground'
<b>Target Setting</b>	National overall targets	Bottom Up: if role in sector
<b>Implementation</b>	Support local impl. capacity	Build implementation capacity
<b>MRV</b>	M, R, aggregate, V: Verify	M: monitor implementation, R: report to province or national

# For Discussion

- Competitive Allocation to least cost solutions: auctioning off subsidies ?
- Beyond national micro-management: Whole City GHG targets instead of sectors ? Cities determine package of cost effective measures.
- Direct Access by Cities to International NAMA Funding: a Cities Window for the GCF?

# Attachments – only on demand

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# MRV framework development

[www.sekretariat-rangrk.org](http://www.sekretariat-rangrk.org)

What does it take to M,R, and V the RAN / RAD-GRK?

## Measurement

- Definition of RAN/RAD-GRK mitigation action objective, boundaries and scope
- Compliance to standardized indicators (GHG-based and non GHG-based) for all sectors
- Apply GHG inventories to determine its achievement

## Reporting

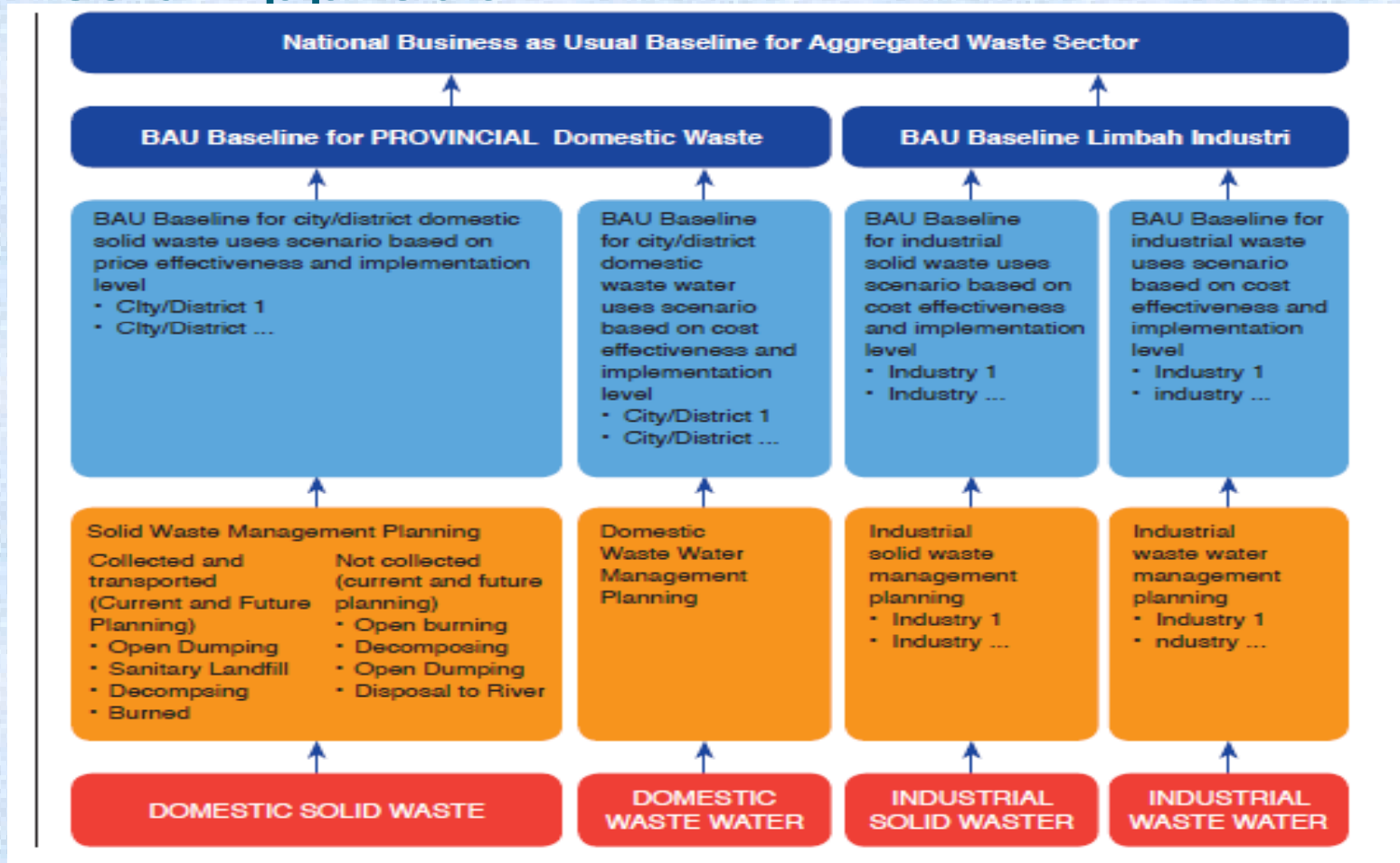
- Standardized reporting formats and templates
- Defined reporting flows and assigned reporters at all levels

## Verification

- Directed and coordinated by Ministry of Environment (PR 71/2011 Art.6)

Source: BAPPENAS, RAN-GRK Secretariat

# Baseline development bottom-up Indonesia Approach



Source: BAPPENAS

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# MRV – Key Indicators Waste Indonesia proposal

## Quantitative

### Garbage Source Condition

- Number of minimized garbage piles/ number of garbage
- Number of garbage recycled and reused from source points
- Number of garbage decomposed in source points

### Domestic Solid Waste Transportation Condition

- Number of garbage collected and transported to TPA

### Garbage Management Condition

- Number of open dumping closed and changed into sanitary landfill
- Number of centrally decomposed garbage
- Number of burned garbage

### GHG Mitigation Results

- GHG emission reduction in tCO<sub>2</sub>/capita or tCO<sub>2</sub>/tons of garbage

## Qualitative

- Policy on garbage reduction in the sources implemented
- 3R policy adopted and implemented
- Appointment of responsible institutions
- Community's improved capacity on garbage management implemented .

- Policy on closure of open dumping adopted and implemented.

- Local decision in proposing mitigation actions in the garbage sector