



1



Developing guidelines for baseline determination

» Key Challenges:

- Different categories of mitigation actions (by scope: considering scale, type of activity, sector coverage)
- > Direct attribution of GHG emissions reduction to specific mitigation action seems difficult
- Not all NAMAs will lead to absolute emissions reductions and/or quantifiable GHG impact (reductions or deviations)
- > Each NAMA unique therefore one size fit all approach may not work

» Key Considerations:

- > Should take into account relevant national and/or sectoral policies and circumstances
- > Should ensure flexibility and simplicity in approach
- > May need combination of different approaches







Kazakhstan's Urban NAMAs are defined as t and financial framework and investment, wh reach and monitor their city-wide emission r commitment to reduce Kazakhstan's emissio Source: GEF supported NAMAs	the appropriate <i>municipal institutional</i> hich will enable Kazakh cities to set-up, reduction targets, as part of national on by 15% below 1990 emissions.
Baseline	Proposed indicators of progress*
 National and sectoral inventories and GHG emission targets 	City-wide GHG emission targets and inventories for 15 main cities
 Establishment and capacity building of Munici Management Companies (MMCs), business planning and development of investment port 	 Capacity building of MMCs to identify and implement low-carbon projects, preparation of bankable emission reduction projects
Establishment and capitalization of NFUM	 Additional funding window within NFUM specifically for emission reduction projects prioritized in urban NAMA
 Complex modernization of district "Prigorodonoye" in the capital of Astana 	 Implementation of additional measures to reduce district emissions by 50% below baseline requirements under NMP
 ETS covering large industrial emitters, national registry and MRV 	 Registry and MRV for urban NAMAs Rules and regulations providing for "linking" credited urban NAMAs and domestic ETS Signed ERA between ETS entities and municipalities







Hypothetical Example of a NAMA in Transport sector in country XX

Overall goal: *Development of a low carbon urban transport system*

Specific activities:

- 1. Development of efficient public modes of transport like BRTS
- 2. Development of infrastructure for Nonmotorized vehicles
- 3. Change in Fuel use: electric vehicles, natural gas, bio-fuel
- 4. Switching to efficient technology for motorized vehicles
- 5. Retrofitting XYZ rail system with more efficient XYZ technology
- 6. Conducting awareness-raising campaigns to promote low carbon urban transport

» Key Characteristics:

- Overall sectoral goal: directional and nonquantifiable
- List of specific policies, programs and projects (mix of directional, quantifiable) contribute to the overall sectoral goal
- > Many activities lead to indirect GHG benefits, sectoral GHG inventory might not be suitable
- > Combination of approaches could be used
- > Baseline metrics approach for activity 1,2,3,4,6
 - + %age of urban population using BRTS/NMV for work trips
 - + Current foot fall in existing city rail system/BRTS
 - + Fuel mix composition
 - + Qualitative: policy for technology standards for MVs

12

> CDM plus approach for 5

ummary					
Approaches Categories	Approach 1: CDM plus approach	Approach 2: Baseline metrics approach	Approach 3: GHG Inventory Approach	Approach 4: Reference case approach	
Category 1 (specific project activity)	V	V			
Category 2 capacity building programs)		V			
Category 3 (Sectoral programs)		V	V	V	
Category 4 (Economy-wide mitigation goal)		V	\checkmark	\checkmark	
Category 5 combination of any two categories)	\checkmark	V	V	V	

