



Climate & Development
Knowledge Network

Setting NDC targets for transport in Bangladesh

December 2017

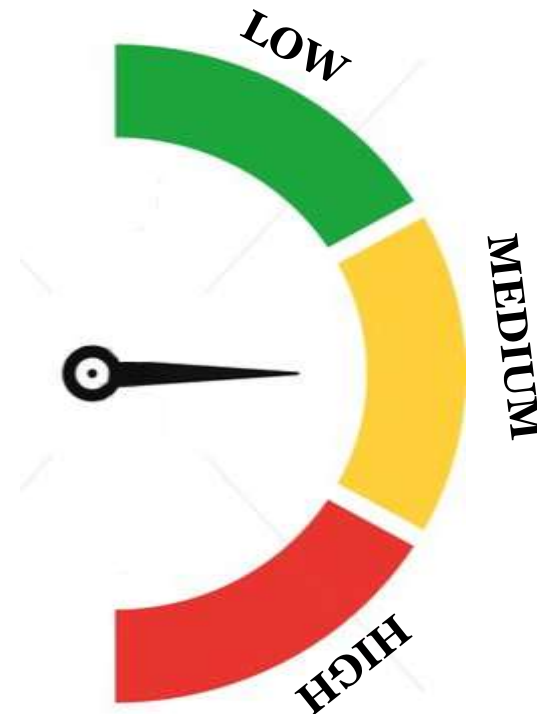
Supporting the NDC process in Bangladesh

Need to mitigate highlighted in COP19

All countries urged to prepare the INDCs in advance of the COP 20 in Paris

The Ministry of Environment and Forests (MoEF), Bangladesh reached out to CDKN for support on the technical aspect

NDC

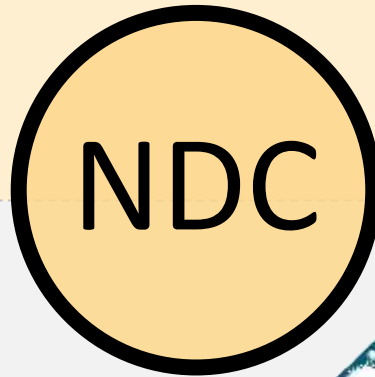


POWER

INDUSTRY



TRANSPORT



AFOLU



HOUSEHOLDS



WASTE



BAU emissions to 2030 for power, transport and industry

Sector	GHG emission (MtCO ₂ e)		% change
	2011	2030 BAU	
Power	20.98	91.42	335.75
Transport	16.76	36.61	118.48
Industry	26.46	105.73	299.54
Total	64.20	233.76	264.11

The INDC of Bangladesh Business as usual scenario for power, transport, and industry

For the power, transport, and industry sectors only, GHG emissions in the BAU scenario are expected to increase by 264% between 2011 and 2030, from 64.20MtCO₂e to 233.76MtCO₂e.

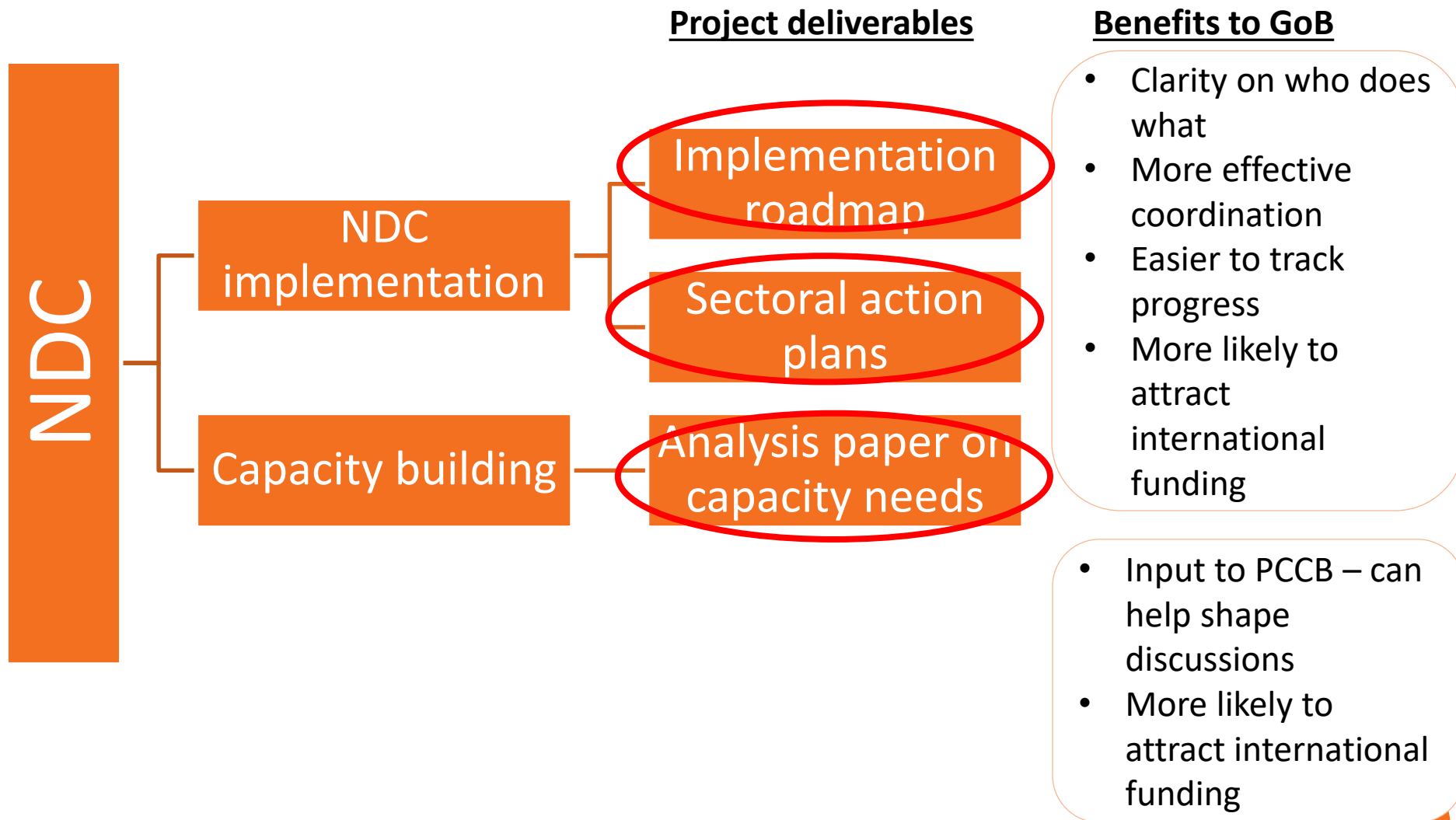
INDC mitigation scenarios for power, transport, and industry only



Sector	% change from BAU in 2030				GHG emission in 2030 (MtCO ₂ e)		
	BAU	Low ambition	Medium ambition	High ambition	Low ambition	Medium ambition	High ambition
Power	91.42	86.41	80.91	74.83	-5.48	-11.50	-18.15
Transport	36.61	33.23	30.04	27.90	-9.23	-17.95	-23.79
Industry	105.73	101.93	99.52	95.10	-3.59	-5.87	-10.05
Total	233.76	221.57	210.47	197.83	-5.21	-9.96	-15.37

GHG emissions in 2030 and % reduction from BAU for power, transport and industry for the three mitigation scenarios

The NDC implementation project



SDGs – Climate Related Targets



SDGs – Climate Referenced Targets



Road Master Plan 2009

Land Transport Policy 2004

Railway master plan 2013

Perspective plan 2010-2021

What the sectoral action plans cover

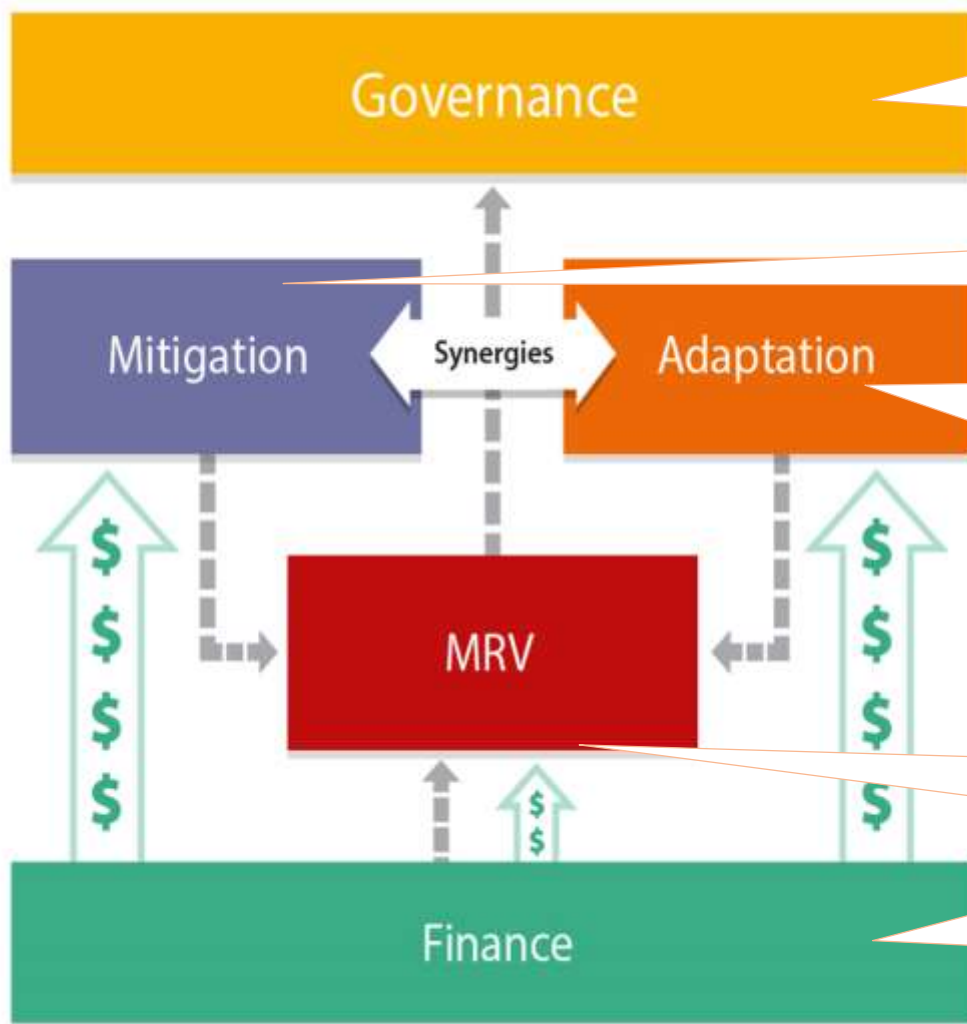
- **Proposed mitigation measures**
- **Adaptation issues for the sector**
- **Governance arrangements**
 - Recommendation for sectoral coordination body and their function/responsibilities
 - Recommendation for members of sectoral working group and the group's role
- **Measurement reporting and verification (MRV) – proposed indicator sets for each sector**
- **An action plan**



Delivering the NDC transport sector action plan

	Unconditional target	Conditional target
Avoid	<ul style="list-style-type: none"> • Reducing distance travelled to schools • Union digital centres • Use of ICT to reduce travel • Staggering office opening times • Promotion of car-free days 	<ul style="list-style-type: none"> • Decentralisation of services, e.g. development of new towns • ‘Compact cities’ • Congestion charging
Shift	<ul style="list-style-type: none"> • Metro lines in Dhaka • Rail improvement projects • Bus rapid transit in Dhaka • Dredging of inland waterways • Encouragement of walking & cycling 	<ul style="list-style-type: none"> • Further rail investment • Multi-modal integration of rail with other modes • Working with private sector to scale up dredging of inland waterways • Car parking policy
Improve	<ul style="list-style-type: none"> • CNG, electric and hybrid cars • reducing congestion by modal shift, elevated expressways etc 	<ul style="list-style-type: none"> • Better road traffic management • Segregated slow moving lanes • Increased capacity at vehicle registration authority for emissions measurement stations • Reverse logistics • Emissions graduated tolls • Car scrappage • Reduction of road roughness • Biofuels

Capacity building needs for NDC implementation



- Project/programme management
- Governance structures and processes
- Understanding of wider govt policy
- Institutional memory and knowledge sharing

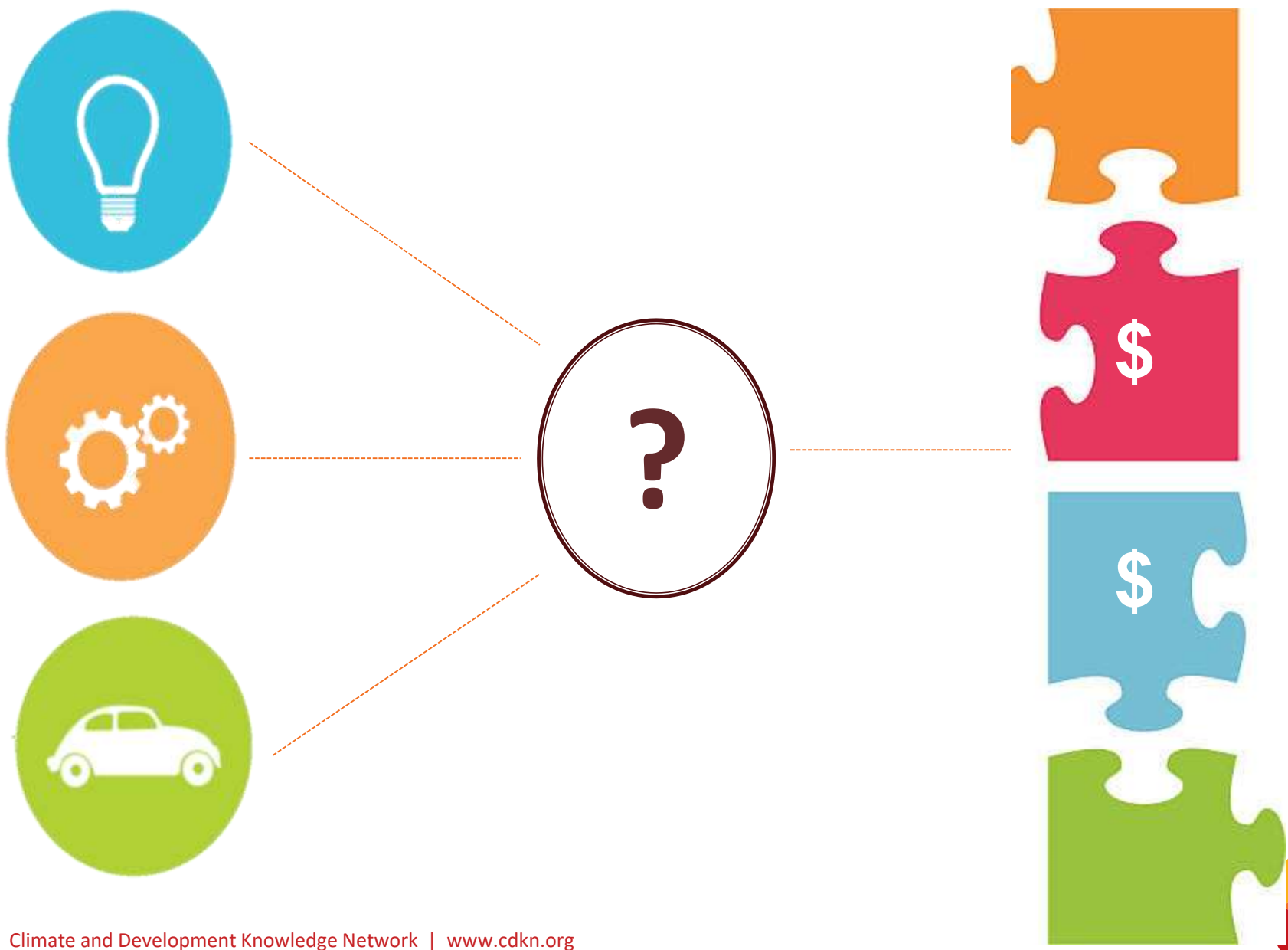
- Data
- Mitigation analysis, e.g. modelling expertise
- Policy capacity

- Mainstreaming climate change into planning
- Strengthening capacity of civil society to adapt
- Establishing relevant information and knowledge systems

- General awareness
- Data archiving
- GHG inventory capacity building

- Developing a project pipeline
- Capacity to engage with private sector
- Climate finance governance
- Climate finance MRV

CURRENT WORK ON NDC IMPLEMENTATION





AREEJ RIAZ

COUNTRY PROGRAMME MANAGER

CLIMATE AND DEVELOPMENT
KNOWLEDGE NETWORK [CDKN]

M: +92 331 4331956

E: areej.riaz@yahoo.com

www.cdkn.org

This document is an output from a project funded by the UK Department for International Development (DFID) for the benefit of developing countries. However, the views expressed and information contained in it are not necessarily those of or endorsed by DFID, which can accept no responsibility for such views or information or for any reliance placed on them. This publication has been prepared for general guidance on matters of interest only, and does not constitute professional advice. You should not act upon the information contained in this publication without obtaining specific professional advice. No representation or warranty (express or implied) is given as to the accuracy or completeness of the information contained in this publication, and, to the extent permitted by law, the Climate and Development Knowledge Network's members, the UK Department for International Development ('DFID'), their advisors and the authors and distributors of this publication do not accept or assume any liability, responsibility or duty of care for any consequences of you or anyone else acting, or refraining to act, in reliance on the information contained in this publication or for any decision based on it.

Copyright © 2010, Climate and Development Knowledge Network. All rights reserved.