Technical Meeting: Approaches and Tools to Setting Mitigation Scenarios

Agenda

September 25th – 26th, 2014

World Bank, I Building, 2nd floor, Room: 250

1850 I Street, N.W.

Washington, DC, USA

This technical meeting aims to bring experts from a number of PMR Countries, the World Bank and other relevant institutions to exchange views and compare methodologies used in constructing post 2020 mitigation scenarios, including the role of carbon pricing instrument in such scenarios. It also provides an opportunity to consult on various tools and a common framework that is being prepared by the World Bank experts in support of the PMR ongoing work on modeling and mitigation goal setting.

Day 1 (September 25th)

1. Opening and Introduction	
8:30	Registration: welcome coffee and badge pick-up
9:00	- Welcome (Ms. Xueman Wang, Team Lead, PMR Secretariat) - Introductions - Tour de Table - Overview of PMR support to countries' preparation for setting post 2020 mitigation scenarios and role of carbon pricing instruments in various scenarios (Ms. Xueman Wang, Team Lead, PMR Secretariat)
2. Status of the technical work in support of post 2020 mitigation scenarios	
09:30	**Facilitator: Mr. Carter Brandon (Lead Economist, World Bank)** - Country briefings: ○ **Brazil** (Ms. Ana Luiza Oliveira Champloni, Ministry of Finance, Brazil) ○ **China** (Mr. Liu Qiang and Ms. Fu Sha, National Center for Climate Change Strategy and International Cooperation, China) ○ **Colombia** (Mr. Jose Manuel Sandoval, Ministry of Environment, Colombia) ○ **Costa Rica** (Mr. Francisco Sancho, Ministry of Environment and Energy, Directorate of Climate Change, Costa Rica) ○ **Peru** (Ms. Maria Elena Gutierrez, PlanCC/MAPS Peru) - Q&A

10:45	**Coffee Break**
11:15	- Country briefings (Cont'd): ○ **EU** (Mr. Thomas Spencer, IDDRI) ○ **US** (Mr. Jonathan Pershing, Department of Energy) - Q&A
12:30	**Lunch – Presentation on MAC Tool Applications in Policy Analysis through Country Case Studies** (Mr. Grzegorz Peszko, Lead Economist, World Bank and Mr. Christophe de Gouvello, Senior Energy and Climate Change Specialist, World Bank)
	3. Establishing Reference Scenarios, and Scenarios for mid and long-term mitigation scenarios (e.g. 2030, 2050)
14:00	**Facilitator: Mr. Grzegorz Peszko, Lead Economist, World Bank** This session will discuss setting countries' reference scenarios (e.g. existing policy scenario), and scenarios for achieving more ambitious mitigation targets (e.g. enhanced policy scenarios and ambitious scenarios) both at sectoral and economy-wide levels, including: (i) decomposition of scenarios: approaches, methodologies, assumptions and uncertainty, and modeling tools; (ii) policy and technology options, including consideration of carbon pricing; and (iii) costs and efforts. Countries are invited to present their practice, compare approaches and identify common components. **Sectoral Level:** – **Energy** ○ Country practices ○ Experience from the World Bank (Mr. Govinda Timilsina, Senior Research Economist, World Bank)
15:30	**Coffee Break**
15:45	– **Transport** ○ Country practices ○ Experience from the World Bank (Mr. Andreas Kopp, Lead Transport Economist, World Bank) – **Buildings/Cities** ○ Country practices ○ Experience from the World Bank (Mr. Grzegorz Peszko, Lead Economist, World Bank) – **Forests** ○ Country practices ○ Experience from the World Bank (Mr. Christophe de Gouvello, Senior Energy and Climate Change Specialist, World Bank)
17:00	- Climate Change Mitigation Options: Lessons Learned from Recent World Bank Analysis (Ms. Marianne Fay, Chief Economist for Climate Change, World Bank)

	- Q&A
17:30	**Wrap-up of Day 1**
18:00	**Reception**

Day 2 (September 26th)

	3. Establishing Reference Scenarios, and Scenarios for mid and long-term mitigation scenarios (e.g. 2030, 2050)– cont'd
09:00	**At Economy-wide level** – Overview (Mr. Felix Matthes, Oeko Institute) – Country approaches – Review of experiences with top-down analysis: Using the ENVISAGE computable general equilibrium (CGE) model in China (Ms. Maryla Maliszewska, Economist, World Bank)
10:45	**Coffee Break**
	4. Key Technical Inputs to "Intended Nationally Determined Contributions" (iNDCs)
11:00	**Facilitator: Xueman Wang (PMR Team Lead, PMR Secretariat)** - WRI Perspectives (Mr. David Rich, WRI) - Open discussion on key information that should accompany the mitigation component of the iNDCs
12:30	**Lunch – Presentation on ESMAP MAC Tool (Ms. Sandy Seastream, ERM)**
	5. Key components for Common Framework and Good Practice
14:00	**Facilitator: Mr. Grzegorz Peszko, Lead Economist, World Bank** - Summary of the key components for a common framework for approaches and tools for mitigation scenario setting
16:00	**PMR Support to Countries: Timeline and Next steps** (Ms. Maja Murisic, PMR Secretariat)
16:30	**Wrap-up of Day 2 and Closing Remarks**

Key Questions for discussions include:

1. What are the key elements (e.g., variables, assumptions, approach, consultations) for building a reference scenario that is credible among the stakeholders?

2. What are the key challenges for models to capture drivers of economic growth and emissions trajectories (as well as changes in trajectories)? How to manage data gaps? What data is available or easily collected or constructed? How does data constrain the models and tools that can be constructed?

3. How do we go about the uncertainties associated with a range of forward-looking input parameters in the models?

4. How applicable are these modeling tools to the questions/issues arising in countries? What are the limitations and what has to be done to customize the tools? In the interest of speed and economy, can existing tools already in use in the country be strengthened or extended?

5. What models, if any, have already been used in countries to inform other policy decisions (e.g., macro/sector impacts of policies) that may also be applicable in context of carbon pricing instruments?

6 How to compare, interpret and reconcile results from different models? How does each tool/ model or prospective tool/ model measure against an ideal approach?