

**PARTNERSHIP FOR MARKET READINESS (PMR)**  
**TECHNICAL WORK PROGRAM:**  
**REPORT ON FY18 ACTIVITIES AND PROPOSAL FOR FY19**

PMR Note PA18 2018-2

April 9, 2018

Draft version, for review and endorsement

## I. EXECUTIVE SUMMARY

1. The Technical Work Program continues to be an active and popular part of the PMR. Its workshops have been well attended and its publications downloaded over 42,000 times. The Carbon Tax Guide has been downloaded more than 8,000 times since May 2017 and this can be expected to further grow when the French and Spanish translations are complete later this financial year.
2. The program continues to work on a variety of carbon pricing topics with the current highlights including a guide to communicating carbon pricing, development of training courses (including online) on carbon taxation in partnership with UNITAR, and further detailed guidance on emissions measurement and reporting. A summary of current and planned activities is presented in Table 1.

**Table 1: Summary of the PMR TWP's activities for FY18, and planned for FY19<sup>1</sup>**

Work Stream	FY18	FY19
<b>ETS</b>	TN: Carbon Market Readiness Training Guide (BPMR)	TT: In-country training on ETS design and operation (Mexico, other countries) TN: Translating the Carbon Market Readiness Training Guide (BPMR)
<b>Carbon Tax</b>	TN: Translation of Carbon Tax Guide E-learning: Development of E-learning course TT: Development of face-to-face training course	E-learning: Development of E-learning course (cont'd) TT: In-country trainings on carbon tax design (Ivory Coast, other countries)
<b>Crediting</b>	TN: Establishing scaled-up crediting baselines: issues and option	TN: Crediting Guide
<b>MRV</b>	TT: MRV and GHG reporting programs E-learning TN: Case study on legislation for South Africa's emissions reporting scheme TN: Case study on technical guidelines for South Africa's emissions reporting scheme	TN: Guidance on verification and accreditation systems TN: Guidance on establishing GHG measurement protocols TT: MRV and GHG reporting programs E-learning
<b>Data Management and Registries</b>		TT: Data management and registries on demand
<b>Benchmarking</b>		TT: Benchmarking (as demanded)
<b>Stakeholder Engagement and Preparedness</b>	TW: Communicating carbon pricing	TN: Communicating carbon pricing
<b>Other</b>	Report: State and Trends of Carbon Pricing 2017 and 2018 TN: Use of Carbon Revenue Brief: China carbon market monitor	Brief: China carbon market monitor TW: Use of carbon revenue

<sup>1</sup> Note: "TN" denotes a technical note or similar knowledge product; "TT" denotes a technical training; "TW" denotes a technical workshop or similar event.

## II. INTRODUCTION

3. The Technical Work Program (TWP) of the Partnership for Market Readiness (PMR) complements Participant's readiness activities by providing support in a programmatic manner on those elements that are common across countries. Its objectives are to facilitate experience and knowledge sharing; develop practical guidance on common issues; identify good practice and common standards; and to help build necessary capacity.
4. The TWP will enter its sixth year in fiscal year 2019 (FY19).<sup>2</sup> This note provides a status update on the FY18 activities through March 2018 and proposes a work plan for FY19 that builds on previous activities. The Partnership Assembly (PA) is invited to provide feedback on this proposed work program and consider it for endorsement at PA18 in Kiev, April 24-26, 2018.

## III. STATUS REPORT ON FY18 ACTIVITIES AND PROPOSED WORK PLAN FOR FY19

5. This section provides a status update on the activities undertaken in FY18 and the work plan for FY19. It should be noted that, due to the timing of PA18, the status update for FY18 includes work completed through end-March 2018 and an estimate regarding what will be completed by the end of the fiscal year on June 30, 2018. The work plan for FY19 can also be expected to evolve over the coming months. The PMR Secretariat will therefore seek further guidance at PA18 to any additional activities for FY19 that might be subsequently identified.

### A. ETS Work Stream

6. This work stream was initiated in FY15 in response to the number of ICPs interested in establishing an emissions trading system (ETS) to achieve emissions reduction goals. It focuses on the design and implementation of ETSs, building on earlier PMR activities and the extensive experience gained to date among PMR Participants.
7. The main work in FY18 was the publication of the "**Carbon Market Readiness Training Guide**" developed in partnership with the International Emissions Trading Association under the Business-PMR program. It is a comprehensive training guide for private sector actors operating in regions planning for or developing carbon markets. The PMR Secretariat is working with IETA to translate the Guide into Mandarin in FY19 to assist companies prepare for China's national ETS.
8. The PMR collaborated with ICAP in FY17 develop **in-country training** on ETS design and operation. A first PMR/ICAP ETS training was organized in Ukraine in April 2017. A further ETS training is planned for Mexico in FY19. The PMR Secretariat is open to arranging similar training for other interested ICPs. However, demand for country-to-country exchange and in-country training will need to be managed in accordance with the capacity and resources of the Secretariat to deliver.
9. An **E-learning** course "**Emissions Trading Systems: Using Markets to Promote Low Emissions Development**" was developed in FY14 in collaboration with the Carbon Finance-Assist (CF-Assist) program. The facilitated E-learning course will be offered twice during FY18 and FY19 (the course has

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<sup>2</sup> The PMR follows the World Bank Group fiscal year, which begins on July 1 and finishes on June 30.

had 318 participants in FY18 so far). Given the continued interest in ETS related distant learning, the PMR Secretariat is planning to update the existing E-learning course in FY19. The PMR secretariat is considering doing the update in collaboration with UNITAR, which is currently developing the E-learning course on carbon taxes, to leverage their expertise and dissemination platforms.

### Summary ETS work stream activities, achieved and planned

FY13	FY14	FY15	FY16	FY17	FY18	FY19
TW: ETS in operation, Australia	TW: International experiences and lessons to inform the development of Mexico's ETS	TW: Carbon markets from current practice to their role in new climate regime	TN: ETS handbook	TN: ETS handbook (translations)	TN: Carbon Market Readiness Training Guide (BPMR)	E-learning: Update E-learning course on ETS
TW: Emissions trading in North America	E-learning	E-learning	TW: Emission trading: leveraging a decade of experience	TT: In-country training on ETS design and operation (Ukraine)	E-learning	TT: In-country training on ETS design and operation (Mexico, others)
			E-learning	E-learning: Bite-Size Learning on ETS		

Note: Related activities from previous are years included. "TW" denotes a technical workshop or similar event, "TN" denotes a technical note or similar knowledge product; "TT" denotes a technical training.

### B. Carbon Tax Work Stream

10. The carbon tax work stream was initiated in FY14 reflecting the interest of some Participants in pursuing carbon taxes as a way to achieve emission reduction goals. The work stream focuses on the design and implementation of carbon taxes, building on previous PMR activities and international experience.
11. The focus of work in FY18 has been the development of an **E-learning** course and a face-to-face **training course** on the design of carbon taxes, based on the content of the Carbon Tax Guide published in April 2017. The course is being developed by UNITAR and the authors of the Guide, Climate Focus and the Gnarley Tree Institute. The PMR Secretariat is investigating a partnership with UNITAR for the development and hosting of E-learning courses. UNITAR, through their [UNCC:Learn](#) program, has extensive experience in designing learning programs on climate change and a strong online platform for dissemination.
12. In FY18, the PMR Secretariat has also been working to **translate the Carbon Tax Guide** into Spanish and French. The translations are expected to be complete by June 2018.
13. The PMR Secretariat will also work with Participants to identify opportunities for **country-to-country exchanges** on carbon taxes. For example, the TWP could facilitate dialogues, meetings, or study tours

between PMR Participants including with Technical Partners. The PMR Secretariat will also provide **in-country technical training** based on the Guide and tailored to national or regional context. Interested ICPs should contact the PMR Secretariat to discuss further. Demand for country-to-country exchange and in-country training will need to be managed in accordance with the capacity of the Secretariat to deliver.

**Summary carbon tax work stream activities, achieved and planned**

FY14	FY15	FY16	FY17	FY18	FY19
TW: Carbon tax, Cologne		TW: Carbon pricing: Latest development of Carbon taxes	TN: Carbon Tax Guide  TW: Carbon taxes: design and implementation in practice	TN: Translation of Carbon Tax Guide  E-learning	E-learning  TT: In-country training on carbon tax design (Ivory Coast, others).

Note: Related activities from previous years included. “TW” denotes a technical workshop or similar event, “TN” denotes a technical note or similar knowledge product, “TT” denotes technical training.

**C. Offsets and Crediting Work Stream**

- The main activity in FY18 was the publication of the technical note, **“Establishing scaled-up crediting baselines: issues and options”**. This note offers guidance and identifies options for developing baselines for scaled-up crediting programs under the Paris Agreement. Establishing baselines is partly a technical, methodological challenge, but the biggest uncertainties arise from unresolved questions regarding international rules under Article 6 of the Paris Agreement, as well as how crediting programs may interact with achievement of countries' NDCs.
- It is proposed that in FY19, work starts on the development of a **Crediting Guide**. The guide will explore the main elements in designing and implementing crediting instruments, including the new generation of scaled-up crediting. It will also provide an overview of the developments around the world, introducing various country experiences. The Guide will however reflect the infancy of scaled-up crediting concepts and limited practical experience in implementation. It will also capture any emerging guidance on the new generation of international mechanisms under the Paris Agreement as the “Rulebook” on Article 6 develops. It is expected that the guide would be complete in FY20.



21. Similarly, a consultant has been selected to develop a **technical note on establishing GHG measurement protocols**. It will draw on existing programs and literature to establish guidance on aspects such as specifications for direct measurement and emissions calculation methodologies, including sampling and testing requirements for location specific emissions factors. The note is expected to be complete in FY19.

### Summary monitoring, reporting and verification activities, achieved and planned

FY13	FY14	FY15	FY16	FY17	FY18	FY19
TN: Supporting GHG Mitigation Actions with Effective Data Management Systems	TT: first regional training on MRV, Beijing  TT: second regional training on MRV, Mexico City  TN: A Survey of the MRV Systems for China's ETS Pilots  TW: MRV & GHG Emissions Under Existing and Developing Pricing Mechanisms, Bonn	TT: Third regional training on MRV  TN: Design guide for mandatory GHG reporting programs	E-learning development  TT: MRV and GHG reporting programs  Case study: South Africa's MRV program	TT: MRV and GHG reporting programs  E-learning	TN: Case study on legislation for South Africa's emissions reporting scheme and national inventory  TN: Case study on technical guidelines for South Africa's emissions reporting scheme  E-learning	TN: guidance on verification and accreditation systems  TN: guidance on establishing GHG measurement protocols  E-learning

Note: Related activities from previous years included. "TT" denotes technical training, "TW" denotes a technical workshop or similar event, "TN" denotes a technical note or similar knowledge product.

### E. Data Management and Registries Work Stream

22. Following the release of the report "[Emissions Trading Registries: Guidance on Regulation, Development, and Administration](#)" and the hosting of the Technical Workshop "[Post-2020 Accounting: Implications for Carbon Pricing and Registries](#)" in FY17, the focus of this workstream has been dissemination of this knowledge. This includes ongoing collaboration with the World Bank Networked Carbon Market Initiative and other stakeholders to explore the challenges and options related to the post-2020 carbon market infrastructure. An important element of this has been investigation into the use of emerging technologies, such as Blockchain, to potentially reduce the administrative and transaction costs associated with the issuance and transfer of mitigation outcomes. Knowledge from the PMR's work on registries contributed to the recent World Bank publication, "[Blockchain and Emerging Digital Technologies for Enhancing Post-2020 Climate Markets](#)".

**Summary data management and registries activities, achieved and planned**

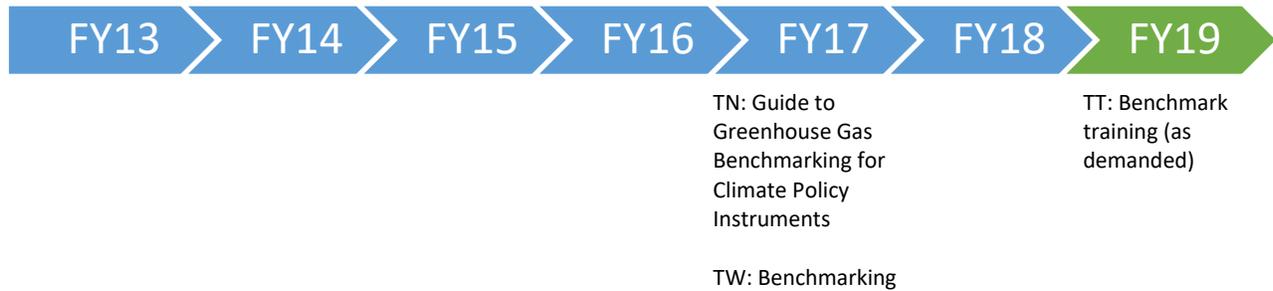
FY13	FY14	FY15	FY16	FY17	FY18	FY19
TN: Supporting GHG Mitigation Actions with Effective Data Management Systems			TN: GHG Data Management: Building Systems for corporate/ Facility level reporting	TN: Guidance on Emissions Trading Registries		TT: Data management and registries on demand
			TW: Transaction registries	Webinar: GHG reporting platforms		Collaboration with NCM on use of Blockchain for unit tracking and transfer
				TW: Registries and Accounting.		

Note: Related activities from previous years included. "TW" denotes technical workshop or similar event, "TT" denotes technical training, "TN" denotes technical note or similar knowledge product.

**F. Benchmarking Work Stream**

23. The technical note, **"Guide to Greenhouse Gas Benchmarking for Climate Policy Instruments"** was published in May 2017. This note provides policy makers with guidance on developing benchmarks in climate policy instruments to set targets and thresholds for environmental performance, and to determine the distribution of instrument benefits and obligations. It draws on more than a decade of global experience and covers practices in 16 jurisdictions using or developing a benchmarking approach. on Benchmarking is in final stages of development.
24. The PMR Secretariat held a workshop session on benchmarking as part of the workshop on results-based finance in May 2017 on the margins of the *Innovate4Climate* conference in Barcelona.
25. In FY19 the focus will be on dissemination of the note and application of the guidance. Upon request, the PMR Secretariat can also facilitate country- or regional-specific training to help Participants better understand the Guide and its application to national circumstance.

**Summary of benchmarking work stream activities, achieved and planned**

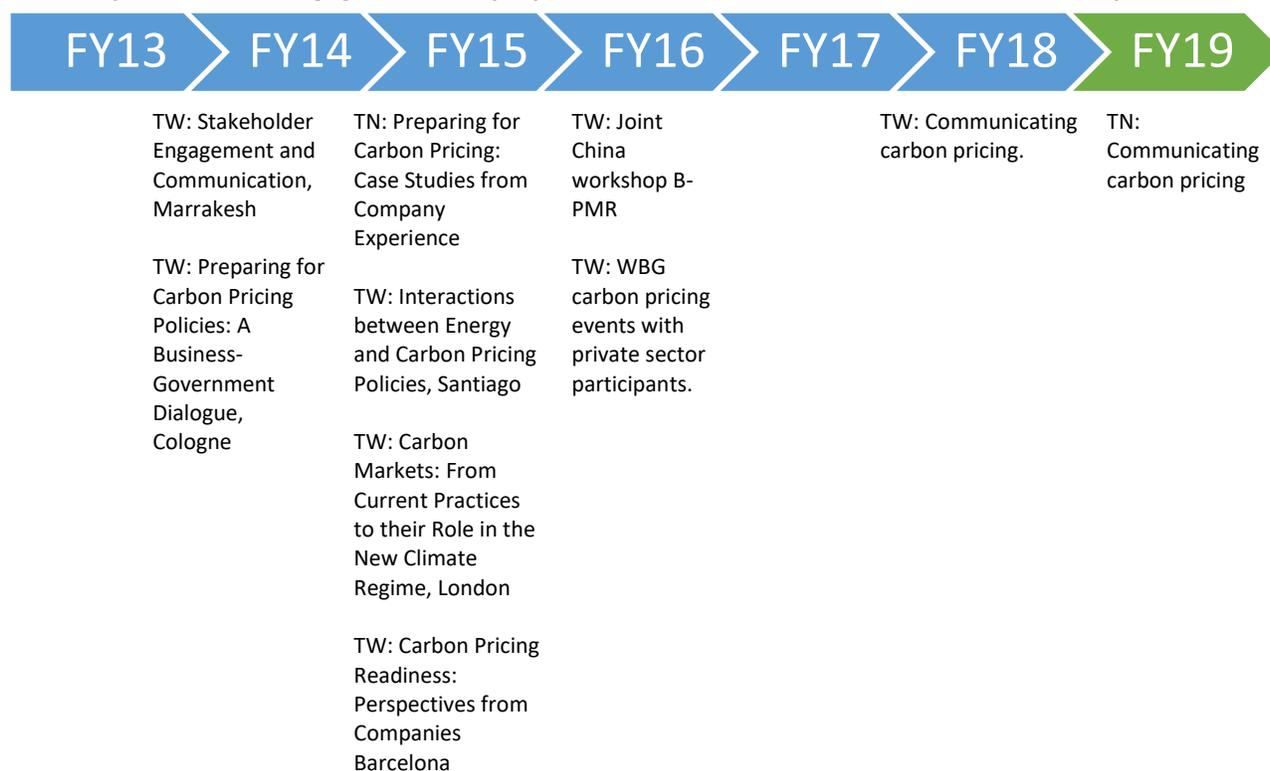


Note: Related activities from previous years included. "TW" denotes technical workshop or similar event, "TN" denotes technical note or similar knowledge product.

**G. Stakeholder Engagement and Preparedness Work Stream**

26. Work began in FY18 on developing a guide to communicating carbon pricing. This work is being undertaken in collaboration with the Carbon Pricing Leadership Coalition. Climate Outreach, in partnership with ClimateFocus and Fenton Communications, are leading the drafting of the report. The report aims to share the existing knowledge, experiences and best practices with carbon pricing communication and to provide practical guidance on developing a communications strategy about carbon pricing. While the focus of the report is policy-makers and government communication specialists, there will also be chapters that cover communications for NGOs and businesses that seek to support carbon pricing. The report is expected to be complete towards the end of 2018.
27. A workshop is being held at the *Innovate4Climate* Conference in Frankfurt, Germany in May 2018 to explore some of the early findings of the report and to seek input from countries to contribute to the content of the report.

**Summary stakeholder engagement and preparedness work stream activities, achieved and planned**



Note: Related activities from previous years included. “TW” denotes technical workshop or similar event, “TN” denotes a technical note or similar knowledge product.

**H. Flagship Report “State and Trends of Carbon Pricing”**

28. In FY18 the PMR agreed to continue partnering with the World Bank’s flagship report **“State and Trends of carbon pricing”** to more fully report and disseminate information on carbon pricing developments in PMR ICPS. [The 2017 report](#) was published in November 2017. In addition to providing an update on carbon pricing activities around the world, the 2017 report discusses the importance of an integrated approach to climate finance and climate markets, together with domestic policies. The analysis shows how such an integrated approach can be used to mobilize the scale of low-carbon investments needed to achieve the below 2°C temperature target and outlines a transition scenario and the possible role of results-based climate financing to catalyze climate markets.
29. Work on the 2018 report has commenced and it is expected to be released in May 2018. It will provide an update on carbon pricing schemes worldwide, and analyze the global trends in carbon pricing and markets.
30. In FY19 the PMR Secretariat proposes to review its ongoing partnership with the State and Trends Report given the reduction in budget of the Technical Work Program.

**I. Other Activities under the PMR TWP**

31. In addition to the dedicated work streams, the TWP has undertaken a number of other relevant activities in FY17.

China Carbon Market Monitor

32. In FY16, the TWP launched the first [China Carbon Market Monitor](#), a quarterly publication that provides market analysis on the performance of China’s seven pilot ETSs. The Monitor also provides updates on policy developments toward the launch of the National China ETS. The Monitor is published in English and Chinese and publicly available for download on the PMR Knowledge. To date, ten issues have been published. The Monitor is expected to be published at least until the launch of the National China ETS.

Use of Carbon Pricing Revenue

33. Depending on the design, carbon pricing instruments have the potential to raise significant revenue. Carbon pricing revenue can be used in any number of ways including to address competitiveness and distributional concerns; reduce or supplement other taxes for general revenue purposes, or be target toward other climate policies and measures. Often, consideration of how carbon pricing revenue is to be used is an important part of the policy development process. Work has started on a report into carbon revenue use. The report is being led by the Institute for Climate Economics in partnership with the Agence Française de Développement. The report is expected to be complete around July/August 2018.

34. A technical workshop on carbon revenue use is tentatively scheduled for PA19 in October 2018.

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**Summary of other activities, achieved and planned**

FY13	FY14	FY15	FY16	FY17	FY18	FY19
TW: Building Readiness for Implementation, Barcelona	TW: Stepping Up to the Challenges: Domestic Climate Action and Carbon Pricing Instruments, Mexico City	TW: Different Market-Based Approaches & Implications for a Future Carbon Market, Santiago	Roundtable discussion: post-2020 carbon markets	TW: Accounting and registries	TB: China carbon market monitor	TN: Use of Carbon Pricing Revenue
TW: Modeling Tools & Data Reporting, Sydney	TN: Lessons Learned from Linking Emissions Trading Systems	TW: Carbon Markets: From Current Practices to their Role in the New Climate Regime, London	TW: PMR insights for post-2020 carbon markets	TB: China carbon market monitor		TW: Use of Carbon Pricing Revenue
TW: Tackling Climate Change: Pricing Carbon to Achieve Mitigation, Washington			TW: Carbon Pricing: Maintaining the momentum after Paris.			TB: China carbon market monitor
TW: Expert meeting on modelling for		TB: China carbon market monitor	TW: Implications of the Paris Agreement for the PMR			

carbon pricing,  
Washington

TW: Policy  
Mapping &  
Effective  
Instruments for  
GHG Mitigation  
in Urban  
Transport,  
Washington

TN: Carbon  
leakage: theory,  
evidence and  
policy

TW: Carbon  
leakage: theory,  
evidence and  
policy

Webinar: Carbon  
leakage: theory,  
evidence and  
policy

TB: China carbon  
market monitor

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Note: Related activities from previous years included. "TW" denotes technical workshop or similar event, "TN" denotes technical note or similar knowledge product, "TB" denotes a technical brief or similar.

### ***J. Technical Trainings***

35. Regional or in-country technical trainings on the different aspects of the Technical Work Program are available. These trainings are expected to leverage PMR knowledge products and to help participants apply guidance to specific regional or national contexts. Possible topics for such training could include design and implementation of ETS, carbon taxes, and MRV systems as well as on carbon leakage and/or benchmarking. The Secretariat will work with interested ICPs to maximize the benefits of such training.
36. Interested ICPs are encouraged to inform the PMR Secretariat so that demand can be mapped. Request for this support will need to be managed within the overall capacity of the technical work program to deliver on the training. The Secretariat will also look for opportunities to leverage partnerships and other events to deliver regional or in-country specific activities.

### ***K. E-Learning***

37. The PMR has over time collaborated with partners on the development of a number of different e-learning courses. Each course is available through the World Bank's [Open Learning Campus](#) for any person to undertake in their own time. In addition, at least one facilitated session is typically held for each course annually.
38. The current courses available include:
- a. [Policy Instruments for Low Emissions Development](#)
  - b. [Emissions Trading Systems: Using Markets to Achieve Low Emission Development](#)
  - c. [Designing MRV Systems for Entity Level GHG Emissions](#)

d. [Emissions trading in practice](#) (byte-size learning)

39. A new e-learning course on carbon taxes is underway and will be available late 2018.
40. Some of these courses are now some years old and require updating to remain current; and while they each provide very valuable information and training, they were not developed as a series so there is some overlap and inconsistencies. The PMR Secretariat plans to work with other initiatives (such as the CPLC and CF-Assist) to ensure a more comprehensive and systematic approach to carbon pricing e-learning. The idea would be to develop a common syllabus around carbon pricing that would avoid overlap, ensure consistency and allow interested participants to undertake the training in a more modular way.

**L. Working Groups**

41. Some components of the TWP are supported by a working group comprising nominated representatives from PMR Participants, observers and experts. Working groups provide guidance on the work plans, input to workshops, and feedback on knowledge products and other deliverables.
42. The PMR Secretariat proposes to continue to use working groups to support the Technical Work Program in FY19. The following working groups are expected to be active throughout the year:
- ETS working group;
  - Carbon Tax working group;
  - Offsets and Crediting working group; and
  - MRV working group.
43. As the above working groups have been active for many years, the PMR Secretariat will initiate a process to ensure members contact details are up to date. The PMR Secretariat will also likely establish ad-hoc working groups to support new work.
44. Typically working groups engage via email and meet virtually. The PMR Secretariat will consider face-to-face meetings where this is identified as being beneficial for the work-stream's activities. Participants are encouraged to nominate the most relevant representatives to participate in the working groups that are of interest to them. Representatives can be changed or added at any time by emailing the secretariat.

**IV. DISSEMINATION**

45. The PA identified improved dissemination of the knowledge generated by the TWP as a priority at PA10, Santiago. The First Independent Evaluation of the PMR also highlighted this as an area for improvement. Accordingly, the PMR Secretariat undertook a number of actions to improve dissemination, including:
- improvement of the PMR website to restructure, update and improve accessibility of knowledge available;

- translation of products when demanded;
- publishing and disseminating knowledge products on the World Bank’s Open Knowledge Repository that has a wide and far reaching general audience and provides statistics to track dissemination (see Annex II for a summary);
- use of social media, twitter, blogs, and media releases where appropriate, to communicate the release of knowledge products and events;
- circulation of a regular newsletter with new contacts added throughout the year to expand distribution;
- notifications of activities and release of products through other distribution channels such as Climate-L; and
- featuring the PMR at a number of events such as Carbon Expo (now Innovate 4 Climate), the Latin America and Africa Carbon Forums and Navigating the American Carbon World.

46. The PMR Secretariat proposes to continue to use these approaches to enhance dissemination in FY19. A further measure that has been taken to improve dissemination of E-learning is the partnership with the United Nations Institute for Training and Research (UNITAR). UNITAR has a strong online climate change learning platform ([UNCC:Learn](#)) and large networks for dissemination. The PA is invited to provide feedback on the approach to enhance dissemination and to recommend any additional steps that the Secretariat can take to improve dissemination further.

#### V. TECHNICAL WORK PROGRAM BUDGET

47. For FY18, the PA approved a budget of USD 1.1 million for delivery of the Technical Work Program.

48. Based on the planned activities, the PMR Secretariat proposes to allocate USD 0.8 million for the delivery of the Technical Work Program in FY19. The estimated budget by type of activity is presented in Table 2 below. Some flexibility is needed for the allocation to individual work streams and the activities within.

**Table 2: Summary of Activities Planned in FY19 and Estimated Budget Broken Down by Type of Activity**

Activity	Timing	Budget FY19 USD
<b>Knowledge products</b>		<b>450,000</b>
Crediting Guide	Initiated FY19, finalized FY20	
Guidance on developing measurement protocols for GHG reporting Programs	Initiated FY18, finalized FY19	
Guidance on developing verification and accreditation arrangements for carbon pricing	Initiated FY18, finalized FY19	

Translating the BPMR guide	Initiated FY18, finalized FY19	
Guidance on the use of carbon pricing revenues	Initiated FY18, finalized FY19	
Development of face-to-face training course on carbon taxes	Initiated in FY18, finalized in FY19	
<b>Technical workshops</b>		<b>140,000</b>
Communicating Carbon Pricing (launch)	FY19	
Use of Revenue	FY19	
<b>Technical training and country to country exchange (based on demand)</b>		<b>90,000</b>
Carbon tax training (Ivory Coast)	FY19	
ETS training (Mexico)	FY19	
Others based on demand		
<b>Electronic modes</b>		<b>120,000</b>
Update the ETS E-learning course	Initiated FY19, finalized FY20	
ETS E-learning facilitated courses	Held in FY19	
Carbon Tax E-learning develop	Initiated in FY18, finalized in FY19	
MRV E-Learning facilitated courses	Held in FY19	
Webinars	Held in FY19	
<b>TOTAL</b>		<b>800,000</b>

## VI. ACTION BY THE PA

49. The PA is invited to provide feedback on the proposed activities and budget for the PMR Technical Work Program in FY19 and consider it for endorsement at PA18 in Kiev, April 24-26, 2018. Following endorsement and as is the practice, the PMR Secretariat will report back to the PA periodically on its progress toward completing the work program.

## ANNEX I: TYPES of ACTIVITIES

1. The Technical Work Program uses a range of activities and delivery modes to achieve its objectives.
  - **Technical Notes and Guidance Documents:** The PMR publishes Technical Notes and Guidance Documents to provide insight and guidance on an array of aspects associated with carbon pricing. The publications contribute to the ongoing work of the PMR as well as to the general debate on carbon pricing.
  - **Newsletters:** The PMR circulates electronic newsletters regularly to provide periodic updates on its activities, both at the program and country levels. The Newsletter provides information of interest to the community, including an overview of upcoming and past events. The [China Carbon Market Monitor](#) provides timely information across the seven Chinese pilot carbon markets. It also provides analysis of climate policy and market developments at the national level in China.
  - **Country-to-Country Exchanges:** These events support knowledge sharing among PMR Participants, for example, through bilateral, regional or multi-country dialogues. Exchanges can be facilitated on the margins of PMR events or organized specifically on request.
  - **Technical Workshops:** Technical workshops provide an important platform for countries and other stakeholders to engage in discussion on technical, regulatory, and institutional aspects of carbon pricing. .
  - **Technical Trainings:** Training sessions are designed as hands-on learning events featuring case studies and group exercises to examine the practical considerations of a specific technical component, such as MRV. Trainings are offered tailored to country-specific or regional-specific needs.
  - **Webinars and E-Learning:** Webinars and E-learning present opportunities for knowledge sharing and capacity building by providing practitioners with a convenient and cost-efficient platform for collaboration.
  - **The PMR Knowledge Center:** The PMR Website ([www.thepmr.org](http://www.thepmr.org)) includes a publicly-available one-stop shop for access to all PMR knowledge products and information about knowledge events.

**ANNEX II: DISSEMINATION STATISTICS FOR PMR KNOWLEDGE PRODUCTS RELEASED SINCE JANUARY 2015<sup>3</sup>**

Title	Release	Abstract views	Downloads
<b>Establishing scaled-up crediting program baselines under the Paris Agreement: Issues and options</b>	November 2017	532	676
<b>A Guide to Greenhouse Gas Benchmarking for Climate Policy Instruments</b>	May 2017	738	556
<b>Carbon Tax Guide: A Handbook for Policy Makers</b>	May 2017	8121	8804
<b>Emissions Trading Registries: Guidance on Regulation, Development, and Administration</b>	October 2016	2784	2150
<b>Carbon Credits and Additionality</b>	May 2016	2047	1956
<b>Greenhouse Gas Data Management: Building Systems for Corporate/ Facility-Level Reporting</b>	May 2016	915	2742
<b>Emissions Trading in Practice: A Handbook on Design and Implementation</b>	March 2016	9944	15546
<b>Carbon leakage: theory, evidence and policy design</b>	October 2016	2494	2044
<b>Crediting-Related Activities Under the PMR: Status and Support for Implementation</b>	August 2015	1164	564
<b>Options to Use Existing International Offset Programs in a Domestic Context</b>	August 2015	925	676
<b>Guide for Designing Mandatory Greenhouse Gas Reporting Programs</b>	May 2015	2873	1158
<b>Preparing for Carbon Pricing: Case Studies from Company Experience--Royal Dutch Shell, Rio Tinto, and Pacific Gas and Electric Company</b>	February 2015	1600	3970
<b>Overview of Carbon Offset Programs: Similarities and Differences</b>	February 2015	1199	1690

<sup>3</sup> Note: as of April 4, 2018