

문서번호 APCC-출장-17-1000(2017-09-06)

TRAVEL REPORT FORM

출장보고서

결 재	부서장	원장		
	09/05 문상원	09/06 정홍상		
협 조	팀장	팀장		
	09/05 김광형	09/06 조재필		

I. Reporter 보고자

Department 소속	Position 직위(직급)	Name 성명	Travel Date 날짜	Note 비고
APEC 기후센터	원장	정홍상	8.30(수)-9.1(금)	필리핀, 마닐라 ADB
대외협력실	실장	문상원	8.30(수)-9.1(금)	필리핀, 마닐라 ADB
응용사업본부 사업기획팀	팀장	김광형	8.30(수)-9.1(금)	필리핀, 마닐라 ADB
응용사업본부 응용사업팀	선임연구원	이승수	8.30(수)-9.1(금)	필리핀, 마닐라 ADB

II. Major Activities 주요업무 수행내용

1. Main Contents and Activities 주요내용 및 활동

☐ 출장개요

- 기간 : 2017. 8. 30(수) ~ 9. 1(금)
- 장소 : 필리핀 마닐라, 아시아개발은행 (ADB, Asian Development Bank)
- 주요활동
 - (1) ADB 남아시아국과 MOU 체결
 - (2) ADB 기후변화국을 통한 Brownbag 세미나 개최
 - 통가 농업 프로젝트 및 도시침수 프로젝트
 - (3) ADB 남아시아국과 업무협약 (TA 프로젝트 담당자 및 컨설턴트)
 - (4) 태평양국 국장 예방

2. Relevance to APEC Climate Center's Activities 결론 및 소감

☐ ADB 남아시아국과 MOU 체결

- 참가자

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- ADB 남아시아국 국장, 부국장, Advisor 및 Consultant 등 20여명
 - MOU 체결주체 : APCC 원장 및 남아시아국장(김헌 Director General)
- ※ MOU 사본 붙임 1 참조

□ ADB 남아시아국과의 업무협의

- 참가자
 - ADB 남아시아국 Associate Environment Officer Ms. Zarah Pilail
 - ADB 남아시아국 Associate Environment Officer Ms. Bobbie
 - ADB 남아시아국 TA 프로젝트 Consultant, Dr. May Celine Thelma M. Vincente (Manila Observatory 소속)
 - ADB 남아시아국 TA 프로젝트 Consultant, Dr. Rosa T. Perez (Climate Risk Screening Specialist)
 - ADB 남아시아국 TA 프로젝트 Consultant, Mr Denver Vender (Climate Change Database and Portal Management Expert)
- ADB 남아시아국 TA 프로젝트 협력 방안 논의
 - ADB TA 프로젝트 추진 대상국 : 現 스리랑카, 몰디브, 방글라데시 (부탄은 Mitigation 프로젝트여서 해당 없음)
 - Coaching Trip : TA 프로젝트로 출장 갈 경우, APCC의 전문가와 함께 동행하여 현재의 추진상황에 대하여 함께 리뷰하고, 전문가 자문을 구하기로 함
 - 다만, 프로젝트 컨설턴트가 현재 3개 국가에 대해서 필요한 데이터를 수집하고 있기 때문에 데이터 수집이 어느 정도 정리가 되고 난 이후 APCC 전문가 소견을 구하여 어떤 데이터가 더 필요한지 등을 자문하기로 하였음
 - ※ 컨설턴트는 APCC가 보유한 다운스케일링 된 데이터의 리스트를 요구하였으나, 다운스케일링 데이터는 맞춤형으로 생산되므로, 필요한 데이터를 구체적으로 설명해달라고 요청하였음. 요청사항을 검토한 후, 어떻게 해당 데이터를 제공할 것인지는 추후 논의하기로 함 (수탁 프로젝트로 처리할 것인지, 기존의 데이터로 제공이 가능한지 등 APCC 내부 검토 예정)
 - 다음 계획은 우선 ADB 컨설턴트 측에서 해당 TA사업의 진행상황 및 자료에 대한 인벤토리와 간단 정보, 그리고 APCC에 대한 구체적인 요구사항을 작성하여 APCC에 제공하기로 하였고, APCC는 해당 자료를 내부 검토한 후 APCC의 의견을 ADB 팀에 전달하기로 함

□ Brown-Bag 세미나

- APCC 프로젝트에 대한 참가자들의 관심이 높았으며 발표 후 원활한 Q&A가 이루어짐
 - 도시침수 사업에 대한 타 지역에서의 활용 가능성 (정확도, 사업비, 필수자료, 도시개발에 대한 민감도 등)
 - 사업을 통해 개발된 소프트웨어나 자료에 대한 공유 정책
- 참가하지 못했던 ADB 내 Staff 및 Consultant에게 공유할 수 있도록 공유 가능한 버전의 발표자료 파일을 요청하여 별도 송부하기로 함 (기후변화재난관리국, Mr. Michael Rattinger)

□ 태평양국 국장 예방

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- 방문자 : 태평양국 Deputy Director General, James P. Lynch
 - APCC의 태평양도서국 대상 프로젝트 소개
 - 태평양국 부국장은 내년 APEC 의장국인 파푸아뉴기니에서, 또는 2019년 피지에서 개최예정인 ADB Annual Meeting 등에서 “기후변화 대응 회복력 강화”를 위한 협력 프로젝트 쇼케이스 등을 추진하는 것에 대한 아이디어를 제공, 이를 위해 프로그램을 담당할 Staff들간 향후 협력 프로그램 발굴 커뮤니케이션을 이어가기로 함

III. References 참고사항

(with attachment of any information or report in case of attendance of conferences, workshops and meetings) 학술대회, 워크숍, 회의 등 참석 시 관련 정보 및 문서 첨부

1. Presented and Collected Materials 주요 수집자료

2. Suggestions and Remarks 건의사항



MEMORANDUM OF UNDERSTANDING

between

ASIAN DEVELOPMENT BANK SOUTH ASIA DEPARTMENT (ADB SARD)
and
APEC CLIMATE CENTER (APCC)

on

**Cooperation on Climate Information and Data Service, Application, Prediction, and
Monitoring and Related Capacity Building in South Asia**
(under ADB Regional Capacity Development TA8572: Action on Climate Change in South Asia)

A. Introduction

1. The Asian Development Bank (ADB) South Asia Department (SARD) and the APEC Climate Center (APCC) (the "Parties") are interested in entering into a partnership to support ADB's developing member countries (DMCs) in South Asia in their pursuit to mainstream climate change in their development plans, programs, and projects. The Parties acknowledge that international collaboration on climate information exchange and applications is a practical strategy for mitigating the impacts and consequences of climatic disasters and natural hazards and to better assist South Asia DMCs in developing and implementing the most appropriate climate change adaptation measures.
2. ADB, as a major development institution in Asia and the Pacific, has a long-standing commitment to encourage environmentally sustainable growth by supporting mainstreaming adaptation and climate resilience in development planning, project design and implementation. ADB will also strengthen integrated disaster risk management to reduce vulnerability to natural and environmental hazards by promoting the use of environmentally friendly technologies, adoption of environmental safeguards, and establishment of institutional capacities to strengthen their enforcement in its DMCs.
3. APCC, as a non-profit international organization established with the unanimous endorsement of APEC senior officials and leaders at the first APEC Senior Officials Meeting in 2005, seeks to enhance socioeconomic well-being in Asia and the Pacific region by utilizing up-to-date scientific knowledge, applying innovative climate prediction techniques, and promoting application of climate information through various programs for capacity building and reducing climate risks in the region. Since its establishment, APCC has played a key role in the Asia-Pacific region by providing high quality climate information products and services.

B. Scope of Cooperation

4. ADB intends to strengthen its cooperation with centers of excellence across the world in key development fields to effectively leverage their expertise, knowledge, and experiences for the development of DMCs. ADB duly recognizes APCC as a center of excellence in the areas of climate information services, climate prediction, interdisciplinary research and application techniques at the climate-environment-society nexus, and international cooperation in view of its outstanding track record demonstrated in the past decade.

5. In December 2013, ADB approved a regional technical assistance *Action on Climate Change in South Asia*¹ (TA) for the successful transition to a low-carbon and climate-resilient development path in South Asia through increased investment and institutional capacity of its DMCs to manage the impacts of climate change. To achieve this, the TA aims to strengthen (i) screening of investment projects against climate risks, and (ii) capacity of DMCs in developing and/or implementing climate change strategies and action plans.

6. To complement the climate risk screening activity, the regional TA being implemented by ADB SARD's Portfolio, Results and Quality Control Unit (SAOD-PR) is developing a system for managing climate change database used in screening development projects for climate and disaster risks and in conducting country climate assessments. A remote sensing-geographic information system or space-based knowledge and decision-support system and platform is being designed to facilitate climate change risk screening and disaster risk and impact assessments by enabling the mapping and visualization of risk as the compounding effects of hazards, exposure, and vulnerabilities.

7. APCC will in general provide advisory support to the above-described activity and other related activities within the scope of named regional capacity development TA. More specifically, the APCC will provide its skills and expertise in the following areas as deemed relevant to the TA's regional and country-specific activities:

- (a) enable automatic downloading and updating of accurate and highly reliable historical and projected climate data and information (e.g., rainfall and temperature) for the South Asia region;
- (b) generate high-resolution climate scenarios for the South Asia region through various downscaling methods;
- (c) country-level climate monitoring and prediction through annual and seasonal forecasts, sub-seasonal to seasonal forecasts, etc., with bias corrections bringing modelled scenarios closer to that observed as well as including associated uncertainties;
- (d) conduct of multi-sectoral and transdisciplinary climate risk analyses to anticipate the impacts of climate change, such as in agriculture, transport, water, energy, and other application fields; and
- (e) design and conduct related capacity building training, and/or research support programs.

8. ADB SARD and APCC shall designate staff whose expertise and/or advice may be tapped in carrying out specific activities. Such cooperation is expected to entail staff time involvement, as well as administrative arrangements related to the conduct of meetings,

¹ ADB. 2013. *Action on Climate Change in South Asia*. Manila. TA8572 (REG).

conferences, seminars, and workshops relevant to the TA's regional and country-specific activities.

9. In carrying out this collaboration, funds from the ADB SARD regional TA8572 shall be used to exclusively fund per-diem and travel expenses of participants and resource persons from ADB member countries and APCC, and only for venues, small equipment and such items of expenditure produced, originating and supplied from ADB member countries related to the conduct of meetings, conferences, seminars and workshops. ADB SARD regional TA8572 funds shall not be used to finance expenditures related to (i) engagement of consultants and/or resource persons by APCC, and (ii) capitalization or ordinary operating expenses of APCC. Disbursement of ADB funds shall be in accordance with ADB's *Technical Assistance Disbursement Guidelines* (2010, as amended from time to time). The Parties agree to bear the internal staff costs associated with their respective participation in this collaboration as described in paragraphs 7 and 8 above, and shall hold the other party unaccountable in this respect.

C. Focal Points

10. ADB SARD and APCC designate the following focal points for all purposes associated with this MOU:

- (i) For ADB: Mr. Liping Zheng
Advisor
Office of the Director General
South Asia Department
Telephone: +632 632-6307
- (ii) For APCC: Ms. Sangwoon Moon
Head
External Affairs Department
Telephone: +82 51 7453922

11. The respective focal points will be responsible for:

- (i) establishing effective communication and liaison with the other focal point;
- (ii) facilitating the implementation of all aspects of this MOU and the opportunities identified for cooperation;
- (iii) promoting this MOU and the cooperation activities undertaken under it within the respective organization;
- (iv) facilitating the attendance of representatives of the focal point's organization at meetings, conferences, seminars, and workshops held by the other organization;
- (v) facilitating the attendance of representatives of the other organization at the meetings, conferences, seminars, and workshops held by the focal point's organization;
- (vi) convening the periodic consultations (if any) to be held in accordance with this MOU; and
- (vii) monitoring MOU implementation and evaluating instances of cooperation undertaken by the two organizations in accordance with this MOU.

12. If either party intends to change its focal point, it shall immediately notify the other Party in writing of such a change when such change takes place.

D. Promotion of the Cooperative Arrangements

13. ADB SARD and APCC recognize that the involvement of both organizations in joint cooperation activities should be publicized, both within their organization and in the general community except for data and information identified as confidential or sensitive by either Party. They therefore agree to:

- (i) acknowledge the role and contribution of each organization to the cooperation activities in all public information documentation relating to the instances of cooperation;
- (ii) use the organizations' logos in documentation related to the cooperation activities in accordance with the current policies of each organization; and
- (iii) notwithstanding the above, any public announcements through media releases or similar means regarding this agreement or the work of the Parties hereunder, or the use of the organizations' names or logos shall require the written approval of each Party hereto prior to such announcements of use.

E. Non-binding MOU

14. This MOU is not intended to be a binding legal document. It is only an expression and record of the purpose and intention of the Parties concerned. This is based on their relationship with each other and the understanding that this MOU will be carried through by each Party with mutual respect and friendly cooperation.

F. Duration and Review

15. The MOU will be for a term of two (2) years from the date of its signing by both Parties, and may be extended by the Parties in writing.

16. The designated focal points will undertake a review of this MOU not later than one (1) year from the date of signing the MOU. Any issues resulting from this review shall be agreed and resolved through mutual consultation in good faith, and such resolution may be incorporated as written agreements to this MOU through mutual agreement.

G. Resolution of Problems

17. During the course of this MOU, the respective focal points will be notified of all problems that impact adversely on the potential of the two organizations to collaborate effectively. The focal points will take appropriate action to seek an amicable resolution. If the focal points are unable to resolve the problem to the satisfaction of both parties, the two organizations will take whatever action they consider appropriate to achieve an amicable resolution.

H. Miscellaneous

18. This MOU will take effect from the date on which it is signed by authorized representatives of the Parties.

19. This MOU is not intended to create legal relations between the two organizations or to impose formal obligations on them.

20. This MOU may be terminated by one party giving two (2) months' notice in writing to the other party.

21. In keeping with the administrative nature of these arrangements, no provision of this MOU will be construed to interfere in any way with the independent decision-making autonomy of the two organizations with regard to their respective affairs and operations. Further, nothing in this MOU shall be construed as an express or implied waiver, renunciation, or other modification of any immunities, privileges or exemptions of ADB accorded under the Agreement Establishing the Asian Development Bank.

In witness whereof, the undersigned, being duly authorized by their respective Parties, have signed this MOU, for execution from the date of the last signature shown below.

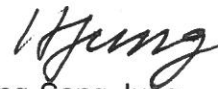
For and on behalf of
Asian Development Bank



Hun Kim
Director General
South Asia Department
Asian Development Bank
Manila, Philippines

Date: Aug 31, 2017

For and on behalf of
APEC Climate Center



Hong-Sang Jung
Executive Director
APEC Climate Center
12 Centum 7-ro Haeundaegu
Busan 48508 Korea

Date: Aug. 31. 2017.