

문서번호 APCC-출장-17-1211(2017-10-24)

TRAVEL REPORT FORM

출장보고서

결 재	선임연구 원	팀장	부서장	
	10/23 이수경	10/23 김광형	10/24 김형진	
협 조				

I. Reporter 보고자

Department 소속	Position 직위(직급)	Name 성명	Travel Date 날짜	Note 비고
응용사업본부 사업기획팀	선임연구원	이수경, 이진영	10.8-10.13	

II. Major Activities 주요업무 수행내용

1. Main Contents and Activities 주요내용 및 활동

UNESCAP Committee on Disaster Risk Reduction, Expert Group Meeting 및
FAO Climate Smart Agriculture Workshop 참석

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

첨부자료 참고

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

- UNESCAP Expert Meeting on Regional cooperation in Early Warning
(presentation files, relevant document, etc.)
- Climate Action for Agriculture_hosted by FAO and USAID
(Presentation files, NDCs in Asia region, other relevant reports, etc.)

2. Suggestions and Remarks 건의사항

출장 결과 보고서

□ 개요

- 목 적: UNESCAP Committee on Disaster Risk Reduction, Expert Group Meeting 및 FAO Climate Smart Agriculture Workshop 참석
- 회의 주제 (날짜)
 - ✓ The fifth session of the ESCAP Committee on Disaster Risk Reduction (10/10-10/12)
 - ✓ Expert Group Meeting on regional cooperation in early warning for transboundary river basin floods, flash floods and landslides in Asia and the Pacific (10/9-10/11)
 - ✓ Climate Action for Agriculture in Asia (hosted by FAO and USAID) (10/10-10/12)
- 장 소: UN Conference Center and Viengtai Hotel in Bangkok
- 출장자: 이진영, 이수경 선임연구원 (*3개의 행사가 동시에 진행되어 역할을 분담하여 참석)

□ 주요 내용

1. The fifth session of the ESCAP Committee on Disaster Risk Reduction
 - o 이번 제5차 ESCAP Committee에서 아태지역의 자연재해에 대한 피해를 막고, 회복력을 강화하기 위한 지역적 협력을 목적으로 Asia-Pacific Disaster Report 2017인 “Leave No One Behind” working paper를 론칭 (<https://reliefweb.int/sites/reliefweb.int/files/resources/Asia-Pacific%20Disaster%20Report%202017%20%28Full%29.pdf>)
 - o Committee와 동시에 Expert Group Meeting on Multi-Hazard Early Warning 뿐만 아니라 Regional Learning Platform on DRR and Resilience for Sustainable Development, Regional Space Application Programme, Expert Consultation on Information and Knowledge Management에 대한 회의 등이 진행되었으며, 각 회의의 결론은 Committee의 Item으로 요약되어 발표되고 관련 보고서를 채택함. Expert Group meeting on regional cooperation in early warning for transboundary river basin floods, flash floods and landslides in Asia and the Pacific
 - o ESCAP은 DRR 부분에서 지역간 정보 및 기술 공유, 상생협력 체계를 구축하는 것이 무엇보다 중요하다는 취지하에 아태지역의 협력강화에 노력하고 있음. 이러한 맥락에서 현재 Transboundary river basin floods, flash flood, landslide 에 대한 지역간 협의체/정보교환 플랫폼이 없는 현실을 지적하며, UNESCAP이 leading

role을 맡아 지역간 협의체/정보교환 플랫폼을 구축할 목적으로 이번 Expert Group Meeting을 구성함.

- o 따라서, 본 회의에서 Transboundary river basin floods, flash flood 및 landslide에 관한 연구 및 사업 경험이 있는 지역 내 전문가를 초청하여 전문 의견을 듣고, 특히 아태지역 국가를 초청, 이와 같은 피해에 노출된 사례와 국가적으로 피해를 방지하기 위한 노력과 수준을 공유하는 자리로 구성됨.
- o APEC Climate Center는 Expert Group Meeting에 초청되어 특히 태평양 도서국가에 기후정보서비스 향상을 위해 활동했던 그간의 노력을 발판으로 지역간 협의체를 구성하기 위하여 고려해야 할 사항에 대한 경험을 공유함.
- o Expert Group Meeting의 결과, 지역간 협의체의 필요성이 중요하다는 합의점을 이뤄낼 수 있었음. 해당 협의체는 국가간 정보와 기술 격차를 극복하기 위한 정보 및 기술 공유장의 역할을 수행하며, 필요할 경우 공동의 노력을 통해 추가적인 기후재원을 확보할 수 있도록 노력할 것에 합의함.
- o 본 회의 결과는 당사국의 합의를 도출할 수 있도록 UNESCAP DRR부서의 의견으로 UNESCAP Committee에 상정되었음.

2. Climate Action for Agriculture in Asia (hosted by FAO and USAID)

- o FAO Agriculture Department의 대표 프로그램. CSA를 통해 농업 중심의 개도국의 지원을 추진하여 FAO의 5대 Strategic Objectives 중 하나인 Food security, Zero hunger를 달성하고자 함. 또한 CSA를 통해 FAO는 국가별 NAP 및 NDC 작성에 직접 반영을 계획하고 있어 CSA 파이프라인에 delivery partner로 참여하는 것은 추후 유관된 기후변화 적응 및 저감 활동에도 직접 참여할 수 있는 기회가 될 수 있는 기회로 삼고, FAO/RAP의 담당 officer 의 초청을 받아 penalist로 참석하게 됨.
- o APEC Climate Center가 그간 기후정보를 활용한 농업 생산성 증진 프로젝트의 실행 성과 및 개선 방안 등을 공유하고 앞으로 CSA 프로그램에 적극적으로 참여하는 Delivery partner가 되기를 바라는 의견을 제시함.
- o CSA 프로그램에 참석 중인 국가는 방글라데시, 캄보디아, 인도네시아, 라오스, 미얀마, 태국, 베트남 임. 이들 국가는 CSA를 통해 국가 NDC 목표 달성에 기여하고자 본 프로그램에 참석하고 있음.
- o 이번 출장을 통해 참석 국가 및 CSA 프로그램에 참여하고 있는 국제유관기관과의 네트워크를 강화함.
 - ✓ 베트남은 APEC Climate Center의 Agromet and Agriwater project에 관심을 깊게 두었으며, 관련하여 오는 12월에 베트남 및 GIZ CSI Team이 공동으로 주최하는 *ASIA LEDS Global Partnership에 패널 토의부문 참석을 요청함. 본 회의는 LEDS Global Partnership의 매년 개최되는 국제회의로 아시아 지역의 저탄소 녹색성장을 달성하고, 온실가스 감축에 기여하기 위한 국가 중심의 전략 및 프로그램을 기획, 협의하는 파트너쉽. 이번 회의에서는 기후정보 및 기후기술

을 활용한 인프라 구축, 도시 재생, 교통, 그린 시티 조성 등의 정보를 공유할 계획임. 주요 참석자는 GiZ CSI Team, ICLEI, International Partnership Mitigation and MRV, GGGI, ICEM 등

*Asia LEDS Global Partnership: Low Emission Development Strategies

□ 출장자 의견

- o UNESCAP 회의와 관련하여 APCC가 UNESCAP의 지역 협력 노력에 기여할 수 있는 Specialized Agency로 인지된 만큼 지속적인 교류를 추진하여 APCC의 아태 지역 기여를 확대할 필요성이 있음.
- o 다만 출장 비용이 self-funded 기반이므로 같은 상황인 다른 국제회의와 종합적인 맥락에서 우선순위를 검토하여야 함. 즉, 현재 APCC가 지속적으로 참여중이거나 참여할 필요가 있는 국제회의의 목록을 작성하고(IPCC, GEO 등) 각각의 득실을 분석하여야 함. 선정된 회의에 대해서는 요구되는 참여자 역량과 예상 성과를 도출하여 최적의 담당자 선정이 요구되며 회의 참석 결과와 implication을 센터와(특히 사업기획팀) 공유할 필요가 있음.
- o FAO 회의의 경우 참석을 통해 네트워크 강화 및 사업 창출의 가능성이 높음을 확인하였으며 따라서 유사한 기회가 있을 경우 사업기획팀에서 적극 참여할 수 있도록 센터의 지원이 요구됨.

Economic and Social Commission for Asia and the Pacific

Expert Group Meeting on Regional Cooperation in Early Warning
for Transboundary River Basin Floods, Flash Floods and Landslides in Asia and the Pacific

Bangkok, 9-11 October 2017

Tentative Agenda (as of 07.10.2017)

Monday, 9 October 2017

09.00-10.00	Session 1. Opening and overview of the ESCAP Disaster Resilience Week - Conference Room 3 –
10.00-10.15	Break
10.15-12.00	Session 2. Review of regional cooperation in early warning for transboundary hazards - Meeting Room H - The session will present the outcomes of feasibility studies on regional cooperation in early warning of 1) transboundary floods, 2) flash floods, and 3) landslides, conducted by regional and international experts in the field. It will provide an overview of current status, challenges and gaps in regional cooperation in early warning of these hazards, and make suggestions for establishing regional cooperation mechanisms for further discussion. Lessons from regional cooperation mechanisms for typhoons (tropical cyclones) will be also introduced.  Moderator: Mr. Muhammad Idrees, Member, NDMA, Pakistan • Need for regional cooperation in early warning of transboundary hazards - <i>Ms. Ingrid Dispert, Associate Expert, DRS, ESCAP</i> • Regional cooperation mechanisms: examples from the ESCAP/WMO Typhoon Committee and the WMO/ESCAP Panel on Tropical Cyclones - <i>Mr. SungEun Kim, Associate Economic Affairs Officer, DRS, ESCAP</i> • Regional cooperation in early warning of flash floods - <i>Mr. Wolfgang Grabs, Chief, International Water Affairs, German Federal Institute of Hydrology</i> • Regional cooperation in early warning of transboundary floods – <i>Mr. Arjunapermal Subbiah, Director, Regional Integrated Multi-Hazard Early Warning System (RIMES)</i> • Regional cooperation in early warning of landslides – <i>Mr. Benni Thiebes, Expert for landslides, ESCAP Consultant</i> Discussion
12.00-13.30	Lunch break

13.30-15.30	Session 3. Experiences and lessons learned from regional cooperation for early warning - Meeting Room H - In line with Session 2, government officials and technical experts will be sharing their experiences in promoting early warning, and how regional cooperation can strengthen early warning of multiple hazards. This will help participants of the expert group meeting to identify opportunities from regional cooperation as well as challenges ahead.  Moderator: Mr. Hans Joakim Guttman, Executive Director, ADPC • Global development of multi-hazard early warning system and opportunities for the Asia-Pacific region – <i>Mr. Alasdair Hainsworth</i>, Chief of DRR Service Division, Weather and DRR Services Department, WMO • Experiences on regional cooperation on flood forecasting in the Indus basin – <i>Mr. Yoshio Tokunaga</i>, Chief Researcher, Water-related Hazard Research Group, International Centre for Water Hazard and Risk Management (ICHARM), Japan • Lessons learned from regional cooperation on early warning of flash floods – <i>Mr. Chihun Lee</i>, Senior Researcher, National Disaster Management Research Institute (NDMI), Republic of Korea • Lessons learned from local flood early warning systems for small river basins and the need for regional cooperation on harmonized alert level systems (GIDRM/GIZ) – <i>Mr. Olaf Neussner</i>, DRM Advisor, GIZ, and <i>Mr. Antonio Balang</i>, DRM Specialist, GIDRM, Germany • Experiences on regional cooperation on developing climate forecasting system in the Pacific – <i>Ms. Suekyoung Lee</i>, Senior Researcher, Climate Application Department, APEC Climate Center (APCC) • Regional cooperation mechanisms for Indian Ocean Tsunamis Warning and Mitigation System (IOTWMS) – <i>Mr. Srinivasa Tummala</i>, Head of the Secretariat, IOTWMS • Experiences in Regional cooperation on flood risk reduction in the Hindu Kush Himalaya – <i>Ms. Mandira Singh Shrestha</i>, Programme Coordinator, HYCOS Initiative, International Centre for Integrated Mountain Development (ICIMOD) Discussion
15.30-16.00	Break
16.00-17.30	Session 4 – Consultation on the establishment of regional cooperation mechanisms - Meeting Room H - Session 4 will be reserved for in-depth discussion of meeting participants. It is expected for the session to identify ways forward for establishing (or strengthening) regional cooperation mechanisms in early warning for transboundary floods, flash floods and landslides in the Asia-Pacific region. Summary and highlights of the discussion will be presented to the Fifth Session of the Committee on Disaster Risk Reduction in the following day (item 6).  Moderator: Mr. Sanjay Srivastava, Chief, Disaster Risk Reduction Section, ESCAP Discussion

Tuesday, 10 October 2017

09.00-10.00	Opening of the 5th session of the Committee on Disaster Risk Reduction - Conference Room 3 – <u>*Launch and presentation of the Asia-Pacific Disaster Report 2017</u>
10.00-10.15	Break and Group Photo
10.15-12.00	Session 5 – Experiences from member States on regional cooperation in early warning for transboundary floods - Meeting Room H - Session 5 will share the experiences of member States, experts and partners on regional cooperation mechanisms for transboundary floods.  Moderator: <i>Mr. Alasdair Hainsworth</i>, Chief, DRR Service Division, WMO • <i>Mr. Md. Sazzad Hossain</i>, Executive Engineer, Flood Forecasting and Warning Center (FFWC), Bangladesh • <i>Mr. B.P. Yadav</i>, Head, Hydromet Division, Indian Meteorological Department (IMD), India • <i>Mr. Myo Tun Oo</i>, Staff Officer, Department of Meteorology and Hydrology, Myanmar (tbc) • <i>Mr. Sahibzad Khan</i>, Director, Flood Forecasting Division, Pakistan Meteorological Department (PMD), Pakistan (tbc) • <i>Mr. Ryna Oum</i>, Director, Department of Meteorology, Cambodia • <i>Mr. Bounteum Sysouphanthavong</i>, Head of Weather Forecasting Division, Department of Meteorology and Hydrology, Lao PDR • <i>Ms. Thanh Dang Mai</i>, Deputy Director, National Center for Hydro-Meteorological Forecasting, Viet Nam Discussion
12.00-13.30	Lunch break
13.30-14.45	Session 6 – Experiences from member States on regional cooperation in early warning for flash floods and landslides - Meeting Room H – Session 6 will share the experiences of member States, experts and partners on regional cooperation mechanisms for flash floods and landslides.  Moderator: <i>Mr. Ali Shareef</i>, Deputy Director General of Meteorology, Maldives Meteorological Services, and Chair of WMO/ESCAP Panel on Tropical Cyclones • <i>Mr. Ezattullah Sediqi</i>, DRR specialist, State Ministry of Disaster Management and Humanitarian Affairs, Afghanistan

	• <i>Mr. Artavazd Davtyan</i>, Head of Population Protection and Disaster Management Department, Ministry of Emergency Situations, Armenia (tbc) • <i>Mr. Karma Dupchu</i>, Chief of Hydrology Division, Department of Hydromet Services, Bhutan • <i>Mr. Binod Shakya</i>, Associate Professor, Department of Hydrology and Meteorology, Tribhuvan University, Nepal • <i>Ms. Mia Khotimah</i>, Scientific Officer, Weather Prediction and Early Warning Division, BMKG, Indonesia Discussion
14.45–15.00	(Change of venue to Conference Room 3)
15.00–17.00	Session 7 - Panel discussion: Regional mechanisms for multi-hazard early warning system - Conference Room 3 – In this session, outcomes of the expert group meeting will be shared with the Committee on Disaster Risk Reduction.  Moderator: <i>Mr. Vicente B. Malano</i>, Administrator, Philippine Atmospheric, Geophysical and Astronomical Services Administration (PAGASA), Philippines  Panelists • <i>Mr. Muhammad Idrees</i>, Member, National Disaster Management Authority, Pakistan • <i>Mr. Andi Eka Sakya</i>, President WMO Regional Association V and Chair of the Intergovernmental Coordination Group of the Indian Ocean Tsunami Warning and Mitigation System (ICG/IOTWMS) • <i>Mr. Ali Shareef</i>, Deputy Director General of Meteorology, Maldives, and Chair of the WMO/ESCAP Panel on Tropical Cyclones

Wednesday, 11 October 2017

09.00–11.00	Session 8. Recommendations and ways forward - Meeting Room H - Listening from the member States during the Committee session, the session will further discuss ways forward and make recommendations.  Moderator: <i>Mr. Andi Eka Sakya</i>, President WMO Regional Association V and Chair of the Intergovernmental Coordination Group of the Indian Ocean Tsunami Warning and Mitigation System (ICG/IOTWMS) Discussion
11.00–11.30	Session 9. Wrap-up and Closing - Meeting Room H –