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## 5-2. Networking and Participation in International Meetings and Workshops

ADRC places high priority on the development of institutional and human networks to share disaster information in Asia. Developing networks between professionals and their counterparts in member countries, adviser countries, and observer organizations is vital to promoting cooperation on disaster risk reduction efforts in Asia.

In FY 2019, ADRC participated in the following meetings to share information on ADRC's activities, as well as to further enhancing our networks in Asia and DRR community.

### 5-2-1. Sixth Session of the Global Platform for Disaster Risk Reduction

The Sixth Session of the Global Platform for Disaster Risk Reduction (GP2019) was held at the International Conference Centre Geneva in Geneva, Switzerland on 13-17 May 2019. The Global Platform was recognized by the UN General Assembly Resolution and held bi-annually since 2007 to provide a venue for professionals working on DRR from many different stakeholder groups to get together. The groups represented at this year's event included national governments, international organizations, regional organizations, academic institutes, civil society, and the private sector. This sixth meeting was co-hosted by the government of Switzerland as well as UNDRR, and was attended by representatives from 182 countries.

#### (1) Official Statement

On 17 May, Mr. Suzuki, Executive Director of ADRC, gave an opening statement on ADRC's future plans. He noted that natural hazards in ASEAN countries have been increasing in recent years, and that ADRC has started to study business continuity planning (BCP) and business continuity management (BCM) as DRR investments specifically for the ASEAN region. Mr. Suzuki, Executive Director, as well as Ms. Shiomi and Mr. Ikeda represented ADRC.



Fig. 5-2-1-1 Official Statement by Mr. Suzuki

## **(2) Meetings with Member Countries**

ADRC had several meetings with some counterpart organizations participated in GP2019 to discuss future cooperation and specific activities. For example, meetings were held with the Committee of Emergency Situations and Civil Defense of Tajikistan to discuss early-warning platforms using space technologies; with the National Disaster Management Authority in the Maldives to discuss capacity-building programs for GIS and remote sensing technologies; with the delegation from Kyrgyz to talk about a disaster education program to be conducted in Japan in 2019; with the Disaster and Emergency Management Presidency (AFAD) in Turkey to discuss a future relationship; and finally, with MES-Armenia to share ideas about a program in earthquake engineering which is being planned in Yerevan city.



Fig. 5-2-1-2 Discussion with delegation from Tajikistan

## **(3) GLIDE Stakeholder Meeting**

On 14 May, ADRC organized a GLocal unique IDentifier number (GLIDE) stakeholder meeting on the sidelines of GP2019. The meeting was attended by 15 participants from 6 GLIDE stakeholders, who discussed the present situation and the future innovation of GLIDE system (For more information, please see Chapter 2-2).

## **5-2-2. Typhoon Committee**

### **(1) 14th Annual Meeting of the Working Group on Disaster Risk Reduction on “Disseminating and Sharing Data on Disaster Risk Reduction”**

ADRC participated in the 14th annual meeting of the Working Group on Disaster Risk Reduction on “Disseminating and Sharing Data on Disaster Risk Reduction” was organized by United Nations Economic and Social Commission for Asia-Pacific (UNESCAP)/World Meteorological Organization (WMO) Typhoon Committee (TC) and the National Disaster Management Research Institute (NDMI) in Ulsan, Republic of Korea from 18 to 21 June 2019.

The main objective of the meeting was to share the information of members' typhoon-related technologies and policies. Some 30 participants from member countries and

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relevant organizations, including ADRC reported on their recent technologies and policies as well as updates on WMO and NDMI's DRR information system tools.

ADRC gave a presentation on the typhoons that struck Japan in 2018.



Fig.5-2-2-1 Group photo

## **(2) 14th Integrated Workshop**

ADRC participated in the 14th UNESCAP/WMO Typhoon Committee (TC) Integrated Workshop in Guam, U.S.A., on 4-7 November 2019. Under the main theme entitled "Smart Service for Typhoon Disaster Prevention," a general meeting was held on the first day. On the second day, the UNESCAP/WMO Typhoon Committee and the National Disaster Management Research Institute of Korea (NDMI) co-hosted a Disaster Prevention Working Group (WGDRR), and on the third day exchanged views on the working groups' reports and future directions.

Participants of the WGDRR are Hong Kong, Japan, Lao PDR, Malaysia, Republic of Korea, the U.S.A. and Viet Nam. In the WGDRR, each country made presentations on disasters and DRR measures. In this report, ADRC introduced trends in the frequency and scale of typhoons in Japan, as well as the topic of the typhoon Hagibis (No. 19), which had the greatest damage in Japan. In addition, ADRC introduced "Development of Local DRR Plan with 8 STEPs," which supports to make local disaster prevention plans in each country through JICA training courses and other activities, and also introduced an integrated DRR information system application model that is effective for information sharing in the event of a disaster. Following presentations from each country, evaluations were made for the 2019 projects, including a technical session at the World BOSAI Forum to be held in Sendai after the Integrated Workshop. For the 2019 project, it was reported that an early warning system was constructed by installing rain gauges and water level gauges in Viet Nam and Lao PDR, and video teaching materials for storm surge disaster awareness raising were reported. Furthermore, in addition to the continuous development of educational materials on disaster prevention awareness as a 2020 project, a human resources development program in the field of disaster prevention and a weather system seminar using cloud sources were proposed. Finally, a change of Chair and Vice Chair was proposed.



Fig. 5-2-2-2 WGDRR Group photo

At the plenary session of final day, reports and budget proposals from each WG and training for human resource development, and proposal for Cross Cutting Project was made. These were agreed to be submitted to the 52nd Annual Meeting.



Fig.5-2-2-3 Group photo

### **5-2-3. Northeast Asia Forum on Capacity Development of Technology for Disaster Risk Reduction**

It has been discussed the effective ways to utilize and share technology for disaster risk reduction (DRR) among China, Japan and Republic of Korea. In recent year, experts from there countries have been discussing how to transfer these technology to other Asian countries.

One of the major deliverables and achievements in the context of trilateral cooperation for disaster risk reduction will be the publication of "Trilateral Best Practices - Application of Technology for Reducing Disaster Risk". Three countries will collect the best practices and UNDRR in Incheon, Republic of Korea will edit them. The publication will be open to the public in 2020.

ADRC has collected and submitted the following science and technologies for DRR. Most of them are affordable and easy to be applied in the developing countries for enhancing their disaster resilience.

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- 1) Gabion, traditional civil engineering tool scientifically enhanced by advanced earthquake engineering with shaking table.
  - 2) Emergency damage assessment methodology with data on epicenter location and magnitude, underground information and earthquake resilience characteristic of the buildings
  - 3) New visualizing technology for easy-to-understand GIS information
  - 4) Data collection technology with smart phones when ITC infrastructure is not available
  - 5) Affordable retrofitting technology with polymer

ADRC also participated in the following meetings to further exchange and seek the cooperation among these three countries.

**(1) Public Forum on "Trilateral Disaster Risk Reduction and Relief Cooperation among China-Japan-Korea"**

ADRC participated in a public forum on "Trilateral Disaster Risk Reduction and Relief Cooperation among China-Japan-Korea," which was organized by the Trilateral Cooperation Secretariat on 19 June 2019 in Seoul, Republic of Korea. Participants attended the public forum from disaster management organizations and research institutions in all three countries. ADRC presented information on Town Watching Programs and Sentinel Asia in a session on international disaster risk reduction. In this session, ADRC proposed that information on the status of hazard map development be shared among the three countries. ADRC also gave a presentation on disaster relief on behalf of a Japanese NPO that was unable to participate due to emergency response efforts needed following the Niigata Earthquake that struck the night before their planned presentation. In that session, ADRC reported on volunteer activities in Japan.



Fig. 5-2-3-1 Public Forum

**(2) A forum of Trilateral Cooperation on Disaster Management between China-Japan-Korea, "Northeast Asia Forum on Capacity Development of**

### **Technology for Disaster Risk Reduction"**

ADRC participated in a forum on "Northeast Asia Forum on Capacity Development of Technology for Disaster Risk Reduction (DRR)" which was organized by the Trilateral Cooperation Secretariat and the UNDRR on 16-17 December 2019 in Incheon, Republic of Korea. Participants attended the public forum from disaster management organizations and research institutions in all three countries. ADRC and the Geoinformatics Center of Asian Institute of Technology presented information on Visiting Researcher Programme, Town-Watching Programs and Sentinel Asia in a session on international disaster risk reduction. In this session, ADRC proposed that information on the status of hazard map development be shared among the three countries and suggested to collaborate between China-Japan-Korea for DRR in the Asian countries.



Fig. 5-2-3-2 Forum

## **5-2-4. APEC**

### **(1) Meetings in Chile**

On 20-22 August 2019 ADRC participated in the 13<sup>th</sup> APEC Senior Disaster Management Officials Forum (SDMOF) and the 15<sup>th</sup> Emergency Preparedness Working Group (EPWG) meetings at Cabana Hotel in Puerto Varas, Chile. The meetings were attended by some 40 participants from 15 out of 21 APEC economies and relevant organizations.

On the first day the 13<sup>th</sup> SDMOF started with opening remarks by Mr. Ricardo Toro, National Director of the National Emergency Office (ONEMI), Chile. In the following two sessions, recent practices and initiatives for DRR for resilience were presented by representatives from Australia, Chile, China, Malaysia, New Zealand, U.S.A., WB, Pacifico (business entity) and Doshisha University. ADRC Executive Director Mr. Suzuki presented on Sentinel Asia and early warning system using Quasi-Zenith Satellite System (QZSS).

The second day of the 15<sup>th</sup> EPWG meeting was organized. After the opening remarks by ONEMI National Director Mr. Ricardo Toro, EPWG Co-chair Mr. Li Wei-Sen briefed on the history and present situation of SDMOF and EPWG. Then Chinese Taipei, Chile and Malaysia reported their ongoing EPWG projects in 2019 while Peru, Malaysia and Australia reported

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recent disasters.

In the morning of the final day, Chile organized a workshop on telecommunications utilization during emergencies as a project in EPWG. China, Chile, Chinese Taipei, Malaysia, New Zealand and Peru shared their practices of ICT and telecommunications in DRR. Some participants referred to information by Mr. Suzuki on the first day.

In the afternoon, the participants of the meetings joined a field study program. After taking a lecture on the volcanos and monitoring system in the area, they visited nearby Volcán Osorno Monitoring Station.



Fig.5-2-4-1 Group photo

## (2) Meeting in Malaysia

ADRC Executive Director took up an appointment as the co-chair of EPWG/APEC in January 2020. He participated in the Senior Officials' Meeting (SOM) Steering Committee on ECOTECH-Committee of the Whole Meeting (SCE-COW), the informal meeting of SCE-COW and Multi-Stakeholder Dialogue on Post 2020 Vision from 17 to 19 February 2020 in Putrajaya, Malaysia.



Fig. 5-2-4-2 SOM Steering Committee on ECOTECH-Committee of the Whole Meeting (SCE-COW)

In the SCE-COW, APEC Economies were briefed by chairs and co-chairs of working

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groups in ECOTECH Committee on their Work Plans in 2020 and suggested their comments and questions.

The meeting on 17 February was the informal meeting on SCE-COW and the chairs, the co-chairs and APEC Secretariat participated in it and shared their Work Plans in 2020, which could facilitate collaboration among the fora.

In SCE-COW formal meeting on 18 February, APEC economies participated in it and expressed their suggestions and raised questions to each of the Work Plans 2020. Thai delegation expressed its expectation on collaboration with EPWG and Health Working Group (HWG) for managing coronavirus incident.

### 5-2-5. Expert Group Meeting to Combat Sand and Dust Storm, UNESCAP

ADRC participated in the Expert Group Meeting on Sand and Dust Storms, which was organized on 27-28 August 2019 at the United Nations Conference Center in Bangkok, Thailand. Sand and dust storms (SDS) have received priority attention by UNESCAP and pose a formidable challenge to achieving the Sustainable Development Goals and targets adopted as part of the 2030 Agenda for Sustainable Development. Several ADRC member countries in Central and South Asia have suffered from their impacts. It is important to recognize that climate change will have big impacts on SDS in terms of their area, frequency, and magnitude. ADRC gave a presentation on satellite remote sensing technologies for monitoring SDS and explained its interests in medium- and long-term SDS impact assessment simulations that take into account the impacts of climate change.

### 5-2-6. Asia-Pacific Partnership for Disaster Risk Reduction Forum

On 12-13 November 2019, the Asia-Pacific Partnership for Disaster Risk Reduction (APP-DRR) Forum was organized at Brisbane Convention and Exhibition Center in Brisbane, Australia. APP-DRR is a regional DRR platform, former ISDR Asia Partnership (IAP) Forum, which was expanded to the Asia-Pacific region.



**ASIA-PACIFIC MINISTERIAL CONFERENCE ON  
Disaster Risk Reduction  
2020**

	Pillar 1	Pillar 2	Pillar 3
	Investing in Prevention	Making Systems and Infrastructure Resilient	Sharing Innovations, Knowledge and Solutions
<b>Cross-Cutting Themes</b>	<i>Local Action</i>		
	<i>Inclusiveness</i>		
	<i>Island, coastal and remote communities</i>		

Fig. 5-2-6-1 Topics of APMCDRR2020



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This Forum was hosted by UNDRR and the Government of Australia, attended by more than 100 stakeholders from the Governments, the UN agencies, international and regional organizations, research institutions and NGOs in the Asia Pacific region. It aimed to review the progress of Sendai Framework for Disaster Risk Reduction (SFDRR) in the Asia Pacific region, resulting in inputs to the Asia Pacific Ministerial Conference on Disaster Risk Reduction (APMCDRR) 2020, scheduled in Brisbane, Australia, in June 2020.

The Forum started with opening and welcome remarks by Ms. Loretta Hieber Girardet, Chief, UNDRR Regional Office for Asia Pacific, and Mr. Paul Kelly, Assistant Secretary, Humanitarian Response, Risk & Recovery Branch, Department of Foreign Affairs and Trade, Australia. Then Ms. Loretta Hieber Girardet reported on the implementation situations of SFDRR and SDGs in the region. According to her presentation, the overall trends show the decrease in mortality due to natural disasters while increase economic damages. In 2019 alone, natural disasters in the region were characterized by increased intensity, lasting longer and unpredictability. She emphasized the importance of accelerating momentum on climate action, national and local DRR strategies, investment in infrastructure and big data innovations at the regional level.

Then Panel Discussion “Accelerating disaster risk reduction in Asia-Pacific” followed with three panelists, Hon. Saber Chowdhury, Member of Parliament of Bangladesh, Mr. Zarak Khan, Director, Programmes and Initiatives, Pacific Islands Forum Secretariat, and Ms. Charlotte Benson, Principal DRM Specialist, Sustainable Development and Climate Change Department, Asian Development Bank. They presented and discussed on their activities.

The next sessions were intended to result in inputs for APMCDRR2020, titled “Making a Change: Accelerating the transformation to risk-informed development”. The pillars of APMCDRR2020 became the topics of the presentation on day one and then group discussion by each topic on day two. The topics were (1) investing in prevention, (2) making systems and infrastructure resilient, (3) sharing innovations and solutions and cross-cutting issues of (4) inclusiveness, (5) local action and (6) island, coastal and remote communities. Joining the group (3), ADRC introduced about its activities such as GLIDE and Sentinel Asia.

Lastly, each group shared the outcomes of the discussion among all participants. UNDRR and the Government of Australia briefed on APMCDRR2020. Despite the limited time, the forum turned out an opportunity to share activities and challenges for implementing SFDRR in the Asia Pacific region.



Fig. 5-2-6-2 Group photo at APP-DRR

### **5-2-7. ASEAN High-Level Symposium on Disaster Management 2020**

On 26-27 February 2020, ADRC participated in ASEAN High-Level Symposium on Disaster Management 2020 held at ASEAN Secretariat in Jakarta, Indonesia. The symposium was organized by ASEAN Secretariat and funded by China with the objective of providing a platform for discussions on disaster management in a cooperative framework by involving relevant experts from various background by complementing the existing ASEAN mechanisms. More than 100 participants from DRR and other fields like social and financial sectors attended from ASEAN member countries, academic institutions, international organizations and NGOs.

The symposium constituted of opening session and six thematic sessions.

The opening session started with remarks by ASEAN Secretariat-General H.E. Mr. Dato Lim Jock Hoi. He thanked the Republic of China for hosting this Symposium. Then Ambassador/ Representative of the Mission of the People's Republic of China to ASEAN, H.E. Mr. Deng Xijun made a speech, hoping the symposium will gain input for and the ASEAN Ministerial Meeting on Disaster Management (AMMDM) scheduled this year. The Chairman of the AMMDM, Under-Secretary Ricardo Jalad, Office of Civil Defense, Philippines made a keynote presentation. Introducing several DRR initiatives in ASEAN framework, he stressed the need to further promote coordination among stakeholders.

Thematic Session I was titled "Understanding the likelihood of prevalent risks, political dynamics of hazard and disaster policymaking in South-East Asia." Panelists were Dr. Amod Mani Dixit, ADRRN/NSET, Dr. Phillip J. Vermonte, Center for Strategic and International Studies (CSIS), Dr. YOSHINO Naoyuki, Asian Development Bank Institute, and MR. Hans Guttman, ADPC. They discussed the recent increase in climate disasters in ASEAN region and pointed to the need for political commitment to scale up SDGs and SFDRR efforts.

Session II on "Early Warning System and Effective Disaster Response Operations through Advanced Technology and Innovations" were presented by DC Teong How Hwa, Singapore Civil Defence Force (SCDF), Singapore, Mr. Kosta Antonopoulos, Medicine Sans Frontiers, Mr. An Pich Hatda, Mekong River Commissions (MRC) Secretariat, Ms. Amy Martin, ROAP, UNOCHA, Mr. Zhang Xiaoning, National Disaster Reduction Center of China (NDRCC) and Ms. Christa Rader, WFP Indonesia. They respectively introduced their activities in relation to early warning (EW) system and relevant technologies.

Session III, "Strengthening Community Resilience and Multistakeholders Partnerships" had panelists including Dr. Rahmawati Ama Husein, BNPB, Indonesia, Dr. Jeremy Wellard, International Council of Voluntary Agencies (ICVA), Dr. SAKURAI Aiko, Tohoku University, Ms. Ewa Wojkowska, Kopernik, and Ms. Tiziana Bonapace, UNESCAP. They overviewed their recent and ongoing programs in cooperative projects with multipartners.

Session IV featured "Advancing Disaster Risk Financing and Insurance to Enhance Regional Economic Resilience". Panels, Ms. Taheeni Thammannagoda, ECHO, Ms. Suprayoga Hadi, BAPPENAS, Indoensia, Ms. Elean Hadi, Monetary Authority of Singapore

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and Mr. Butch Meily, Philippine Disaster Resilience Foundations. They briefed on various financial schemes and services they are promoting for disaster resilience.

Session V on Sufficient Recovery Plan, Rehabilitation and Build Back Better Strategy” was presented by the panelists, Ir. Rifai, M.B.A., BNPB, Indonesia, Bs, Sophie Kemikhadze, UNDP Indonesia, Mr. Heru Prasetyo, Executing Agency for Reconstruction and Rehabilitation Aceh & Nias, Mr. Jan Gelfand IFRC and Mr. Jamshed Kazi, UN WOMEN. They reported on mainly cases in Indonesia and shared good practices and challenges in recovery operation and management.

Session VI was about “Bridging Global and Regional Partnership on Disaster Management” presented by Mr. Faisal Djalal, Asia Pacific Alliance for Disaster Management, Dr. Riyanti Djalante, UNU, Ms. Adelina Kamal, ASEAN Coordinating Centre for Humanitarian Assistance on Disaster Management (AHA Centre), and Mr. Muamar Vebry, European Union. They introduced their activities at global and regional levels, stressing the importance of coordination and collaboration.

At the end of Session V, ADRC made comments on disaster data development and methodologies in ASEAN countries as many panelists regarded accuracy and coverage of disaster data as challenging regardless of disaster phase or activity field throughout the symposium. Then application of GLIDE to their work was suggested for future solution.



Fig. 5-2-7-1 Opening Session