



ADRC Online DRR Seminar Series

14 September 2021 (Tue.)
15:00 - 16:30
[Japan Time, UTC+9]

Third Seminar

Developing DRR Technologies that Meet Local Needs to Build a Safe, Secure and Lively Society

Case Studies on Utilization of Standardization for Structural and Non-structural DRR Measures

► Objectives

In this third seminar, speakers will share case studies of DRR investments before disasters and activities in line with international standards. We will also discuss on the following items to consider what contributions we can make to SFDRR and SDGs:

- Information about the ISO initiatives and their affinity with DRR activities.
- Information about the importance of risk reduction in the Asian region from the perspective of DRR investment before disaster.
- Efforts and issues of ADRC member countries on the development of early warning and disaster information system, and the possibility of deploying them to other countries.

Dr. Nguyen David N.



Associate Professor by Special Appointment at Tohoku University, Researcher at the Japan National Research Institute for Earth Science and Disaster Resilience (NIED)

Mr. Sanjaya Bhatia



Head of Office UN Office for Disaster Risk Reduction (UNDRR), Global Education and Training Institute (GETI)

Mr. HIRUMA Yoshiki



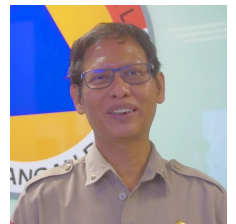
Vice-President, Sustainability Management; Director, Enterprise Resilience Rated Loan Programme, Development Bank of Japan (DBJ)

Mr. K.A.D. Pradeep Kumara Kodippili



Deputy Director Early Warning (Emergency Operation Centre), Disaster Management Centre, Sri Lanka

Dr. Udrekh



Director Mapping and Evaluation of Disaster Risk, Badan Nasional Penanggulangan Bencana (BNPB), Indonesia

Register <https://bit.ly/adrcseminar3>

YouTube <https://youtu.be/-CcejyLA81c>

<https://acdr.adrc.asia/home/2021Seminar>



zoom

ADRC Online DRR Seminar Secretariat

drr2021seminar@adrc.asia

Agenda

- 15: 00 **Greetings & Introduction**
Dr. ONO Takahiro
Visiting Researcher, Asian Disaster Reduction Center, Kobe, Japan
- 15: 05 **BOSAI ISO and Smart Community Infrastructure**
Dr. NGUYEN David N.
Associate Professor by Special Appointment at Tohoku University,
Researcher at the Japan National Research Institute for Earth Science and Disaster Resilience (NIED)
- 15: 20 **ISO37123 as UNDRR activity**
Mr. Sanjaya Bhatia
Head of Office UN Office for Disaster Risk Reduction (UNDRR),
Global Education and Training Institute (GETI)
- 15: 35 **Importance of investing in DRR**
Mr. HIRUMA Yoshiki
Vice-President, Sustainability Management; Director, Enterprise Resilience Rated Loan Programme,
Development Bank of Japan (DBJ)
- 15: 50 **Latest DRR activity (e.g., early warning, information sharing, etc.) (tbd)**
Mr. K.A.D. Pradeep Kumara Kodippili
Deputy Director, Early Warning (Emergency Operation Centre), Disaster Management Centre,
Sri Lanka
- 16: 00 **Implementation of a community-based landslide early warning system (tbd)**
Dr. Udrekh
Director, Mapping and Evaluation of Disaster Risk, Badan Nasional Penanggulangan Bencana (BNPB),
Indonesia
- 16: 10 **Q&A**
- 16: 25 **Wrap up**
Mr. NAKAGAWA Masaaki, Executive Director, Asian Disaster Reduction Center, Kobe, Japan

Summary

With the theme, "Developing DRR Technologies that Meet Local Needs to Build a Safe, Secure, and Lively Society", the third seminar was attended by 116 participants from all over the world. It highlighted case studies of DRR investments made before disasters as well as recent developments in the international standards for DRR.

At the outset, event moderator Dr. ONO Takahiro (Director, Mitsubishi Corporation Insurance) said that standardization is important to keep methods simple, avoid useless operations, and facilitate smooth communication. He invited experts/practitioners to share their knowledge of and experiences with the utilization of standardization for DRR. He also presented related case studies.

The first speaker, Mr. Sanjaya Bhatia (Head of Office, UNDRR-GETI) discussed how UNDRR-GETI is engaged in developing and utilizing ISO standards for the sustainable development of communities to make cities resilient (MCR). He specifically highlighted the following ISO standards: Indicators for City Services and Quality of Life (ISO 37120); Indicators for Smart Cities (ISO 37122); and Indicators for Resilient Cities (ISO 37123). These standards were developed to address the inconsistencies in city data across the world.

Next, Dr. David N. Nguyen (Associate Professor, Tohoku University and Researcher at NIED) reported on the progress of the work of the ISO Technical Committee. He said that their committee has identified and planned for smart community infrastructures that enhance DRR. He highlighted infrastructure elements from Australia, Chile, Colombia, Germany, Greece, Japan, and Turkey.

Next, Mr. HIRUMA Yoshiki (Vice President, Sustainability Management at the Development Bank Japan, DBJ) discussed the application of financial expertise to design a resilient future. He emphasized the value of pre-disaster mitigation in business continuity management (BCM), particularly among small and medium enterprises (SMEs). In promoting pre-disaster mitigation, DBJ developed a BCM rating that determines the bank's support to SMEs. The score points cover two main sectors: (1) disaster prevention measures to ensure human safety; and (2) policies, goals, strategies, and the effectiveness of enhancing business continuity management.

Next, Mr. K.A.D. Pradeep Kumara Kodippili (Deputy Director, Disaster Management Centre in Sri Lanka) gave a presentation on the disaster early warning systems in Sri Lanka. He noted that his office manages the early warning dissemination unit at the Disaster Management Centre (DMC) and described its current equipment and capabilities. Among these are the 77 early warning towers, High Frequency (HF) and Very High Frequency (VHF) communication, intra-government network (IGN), and disaster early warning network (DEWN) that sends text messages. Also, he cited one example of early warning cooperation with the CBDRM using a simple rain gauge to alert neighbors of landslides.

Summary

Finally, Dr. Udrekh (Director, Mapping and Evaluation of Disaster Risk, BNPB Indonesia) discussed various types of landslide early warning systems (LEWS) in Indonesia, and the efforts of the government to standardize landslide equipment (RSNI2) in order to issue useful warnings and direct people to act and respond when warnings are issued. In the process of developing the standards, the government team looked into the following key issues: maintenance of equipment, operational cost, community involvement, replacement of components, and basic repairs.

Finally, ADRC's Director Mr. Nakagawa, concluded the seminar, mentioning that the promotion of international standards in DRR will lead to the introduction of more effective DRR technologies, and also the new form of risk financing could contribute to further promoting investment in DRR. For more information on this seminar series, please visit the following website: <https://acdr.adrc.asia/home/2021Seminar>