



WFEFOMI - CDRM E-Newsletter

E-Newsletter of Standing Technical Committee on Disaster Risk Management (CDRM)

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CDRM: Action Plans for the term (2018-2021)

• Major purposes:

- (1) Promoting the implementation of National Committees on Disaster Risk Management
- (2) Active collaboration with other international organizations
- (3) Strengthening the committee's visibility and presence in different levels

• Subcommittee plans:

(s1) WCDRM

- Strengthen a water culture to improve production habits, the use of efficient technologies, and provide a legal framework for environmental issues at the level of catchment areas and urban zones.

(s2) ETDRM

- Promoting innovative engineering to increase earthquake and tsunami resiliency of urban areas.

(s3) CBDRM

- Organizing on-site and on-line training courses on disaster risk management;
- Organizing scientific and technical events related to DRM.



Photo in the #9 face-to-face meeting of WFEFOMI-CDRM in London, on October 20, 2018

THE ACTIVITY REPORT OF THE WFEFOMI-CDRM DURING 2018

The 2018 activity report of the WFEFOMI-CDRM was presented to the face-to-face committee meeting in October 2018. The summary of the report is as follows. Note that, for the full-text report, please visit the WFEFOMI-CDRM homepage on the STC websites.

• Organizing Structure:

The Peruvian host of the WFEFOMI-CDRM maintains the committee's organizational structure considering: Dr. Jorge Alva (current Chairman), Prof. Syunsuke Ikeda (Japan) and Dr. Vilas Mujumdar (USA) (vice chairs), Dr. Javier Arrieta (Peru) and Dr. Lizett López (Peru) (current secretariat). Whereas Dr. Javier Piqué del Pozo (Peru) took a leader position of the earthquake and tsunami sub-committee, Prof. Kenichi Tsukahara and Er. Ashok K Basa leaders of the water and climate sub-committee, and capacity building sub-committee, remained at their posts. The membership in the early December 2018 had 30 active members from 7 countries.

• International Symposium:

The WFEFOMI-CDRM held the 12th international symposium on Disaster Risk Management: Reconstruction towards resilient cities in Lima (Peru) in September 5-8, 2018 with fourteen disaster-professional speakers and 700 attendees.

This symposium was continuously held since December, 2009 when the WFEFOMI-CDRM was established.

• New Members:

In 2018, 14 new members have joined the committee – 9 (Peru), 4 (Japan) and 1 (USA).

• Financial Report:

As to the accounting balance for the WFEFOMI-CDRM activities during 2018, all expenses including organization of the 12th International Symposium as well as travelling and personnel fees took US\$ 114,000. The expenses were supported mainly by the Peruvian Association of Professional Engineers and by the contribution of Peruvian mining companies.

• Near-future Plans:

For this year, WFEFOMI-CDRM will focus on Objective 11 of the Sustainable Development Goals- sustainable cities and communities. DRM is an important component to achieve the sustainable development.

• Other Remarks:

The 9th annual face-to-face meeting of the WFEFOMI-CDRM was held in October 20, 2018 during the WFEFOMI meetings in London, UK.

Note: CDRM= Committee on disaster risk management; DRM= Disaster risk management; CIP= Peruvian Association of Professional Engineers; STC= WFEFOMI Standing Technical Committee; WCDRM= Water & climate related DRM; ETDRM= Earthquake & tsunami related DRM; CBDRM= Capacity building related DRM.

REPORT ON THE 9TH FACE-TO-FACE CDRM IN LONDON



CDRM

**Committee on Disaster
Risk Management**
2018 - 2021



ACTIVITIES FOR 2019



vulnerable situations.

Target 11.5 - By 2030, significantly reduce the number of deaths and the number of people affected and substantially decrease the direct economic losses relative to global gross domestic product caused by disasters, including water-related disasters, with a focus on protecting the poor and people in

1. Encourage WFEO national members to establish their national DRM committees

The CDRM will contact the presidents of the engineering associations in Latin America and other regions to inform on the benefits of relying on a national committee for disasters. The threat of the occurrence of natural phenomena of various kinds and the disasters they provoke are, to a greater or lesser degree, present throughout the world. By means of the creation of national DRM groups, a network for the exchange of information and experiences could be established. The WFEO-CDRM would be the means for relaying information, disseminating activities and exchanging experiences, thus providing engineering support to the implementation of the global initiative for disaster risk reduction established within the 2015-2030 Sendai Framework for Disaster Risk Reduction and the achievement of the Sustainable Development Goals approved by the UN.

2. Design an internationally platform for online courses in DRM

With the aim of promoting DRM capacity-strengthening programs and achieving a higher number of participants, the WFEO-CDRM proposes the use of technology to design an international platform of on-line DRM courses. The objective of the platform will be to provide a forum where engineers and specialists in other areas and from different countries may share DRM knowledge and experiences.

3. Convene new members for the subcommittees.
4. Establish agreements with national and international institutions/organizations related to DRM.
5. Channeling funds from national and international institutions to support committee's proposals to reduce climate and disaster risks.

Virtual meetings will be convened once a month with all the CDRM members. The objective is to monitor progress towards achieving the year's activities.

The ninth annual face-to-face meeting for WFEO-CDRM was held at One Great George Street, Westminster, London (UK) from 14:00 to 18:00 on Saturday, October 20, 2018. Approximately 15 participants (including observers) engaged in many valuable discussions mainly for 2018 activity report and projected activities 2019. The highlights of the meeting were:

1. Opening Remarks

The committee chairman (Dr. Jorge Alva) had a short comment related the Peruvian new host of the CDRM.

2. Self-introductions

Each participant introduced himself/herself briefly by stating their names and affiliations. Official CDRM members were only a few from China, Japan, Kuwait, Peru, India and USA. Most participants were observers from at least four countries.

3. Activity reports for 2018

Dr. Jorge Alva made the reports of the 2018 activities (see previous page).

4. Activities for 2019

Dr. Jorge Alva presented the activities proposed for 2019, so the CDRM will focus on promoting that WFEO members establish their national DRM committees, as well as implement an international platform for online courses in DRM. Following a substantial discussion, the meeting participants adopted by consensus the proposals.

5. Joint Meeting with WFEO-CEIT

The last part of the CDRM meeting was planned to hold a joint meeting with WFEO-Committee on Engineering for Innovative Technologies (CEIT) with the objective of sharing experiences in disaster prediction and reduction. For this reason, Dr. Jorge Alva made a brief presentation on recent earthquakes in Latin America and Dr. Jian Wu presented the International Meridian Circle Program, which is a disaster prediction program initiated by WFEO-CEIT.

REPORT ON “THE 12TH INTERNATIONAL SYMPOSIUM ON DISASTER RISK MANAGEMENT IN LIMA, PERU”

Held by the World Federation of Engineering Organizations – Committee on Disaster Risk Management (WFEO-CDRM), the Peruvian Association of Professional Engineers (CIP) and the National University of Engineering (UNI).



**12th International Symposium on
Disaster Risk Management:**
Reconstruction Towards Resilient Cities

September 5 - 8, 2018, Lima, Peru

The CIP gave continuity to the Symposia organized by the previous Japan headquarters since 2009, in order to disseminate that the DRM is key to promote disaster prevention and reduction. So the WFEO-CDRM, led by the Peruvian Association of Professional Engineers with the support of the National University of Engineering, organized the 12th International Symposium of Disaster Risk Management, which took place for the first time in Peru, host country of the committee. On this opportunity, the event's theme was Reconstruction aimed at resilient cities, a subject of special interest for Peru, that has been plunged into said process as a result of the disasters caused by the so-called Coastal El Niño of 2017.

The Symposium took place between the 5th and 8th of September, 2018 at the Lima Convention Center and included the participation of 700 attendees from the public sector, the country's regional and municipal governments, academia, the private sector, and the general public. This event was considered within the framework of the activities planned in the 2018-2021 WFEO-CDRM Strategic Plan. The event's four keynote conferences presented cases of post-disaster reconstruction originating from the experiences of China (2008 Wenchuan Earthquake), Haiti (2010 Earthquake), Colombia (2010-2011 La Niña Phenomenon) and United States (2005 Katrina Hurricane). In the 5 thematic sessions, the following themes were developed: Regulations and Planning, Research, Technology and Infrastructure, Economy and Project Management, Institutional and Social Linkages, and Capacity-Building for Resilience. National and international specialists undertook analyses, proposals, and critiques on how to focus on each subject to achieve an adequate reconstruction of the cities affected by disasters.

The Symposium ended with the reading of the conclusions of the 5 technical workgroups, along with the reading of the Lima Declaration for Resilient Cities. The symposium was successfully ended with greatly valuable talks by the speakers and their constructive discussions with the audience.

INDIVIDUAL ACTIVITIES



Keynote presentation in GEC2018 (London) by Dr. Jorge Alva

(WFEO-CDRM Chair). Dr. Alva presented a keynote speech in the Resilience against natural disasters session in the Global Engineering Congress (GEC) in London (UK), October 23, 2018. He presented the project to develop an Early Warning System in the Piura River Basin, because extreme rainfall in Peru has caused damage to the infrastructure and the local population. The proposal considers application of satellite technology and methodologies to overcome the lack of data for this region. Approximately 50 attendees listened to his speech.

NEW CDRM MEMBERS IN 2018:

CDRM Secretary General:
Dr. Javier Arrieta (Peru)



CDRM Deputy Secretary:
Dr. Lizett Lopez (Peru)



Earthquake & Tsunami
leader Dr. Javier Piqué
(Peru)



Earthquake & Tsunami
member Dr. Miguel
Estrada (Peru)



Earthquake & Tsunami
member Dr. José
Macharé (Peru)



Water & climate member
Jorge Bustamante, PE
(Peru)



Earthquake & Tsunami
member Dr. Nicola
Tarque (Peru)



Earthquake & Tsunami
member Dr. Taiki Saito
(Japan)



Earthquake & Tsunami
member Mikael Gartner,
PE (USA)



Water & climate member
Dr. Jorge Vargas (Peru)



Earthquake & Tsunami
member Dr. Kimiro
Meguro (Japan)



Earthquake & Tsunami
member Dr. Yoshikazu
Takahashi (Japan)



Water & climate
member MSc. Richard
Pehovaz (Peru)



Earthquake & Tsunami
member Dr. Mazayuki
Nagano (Japan)



The WFE0 Committee on Disaster Risk Management is a motivated team of engineers that voluntary work for the development and strengthening of a worldwide network of scientists and engineers, that deal with hazardous natural phenomena, in order to reinforce the various processes of the Disaster Risk Management.

UPCOMING EVENTS:



13th International Symposium on Disaster Risk Management: Public Lifeline Services Resilience

October 9 - 10, 2019. Lima, Peru

Organized by:






Announcement of World Engineers Convention in Melbourne (Australia)

The World Engineers Convention will be held by Engineers Australia from 18 to 22 November, 2019. The overarching theme for WEC 2019 is Engineering a Sustainable World: The Next 100 Years. The focus will not only be on engineering innovation, but how this can have a positive impact on our lives by creating sustainable engineering solutions.

<https://www.wec2019.org.au/>



global platform for disaster risk reduction
Geneva, Switzerland, 13-17 May 2019

The Global Platform for Disaster Risk Reduction is a critical component of the monitoring and implementation process of the Sendai Framework for Disaster Risk Reduction (2015-2030). The outcomes of the Global Platform inform the deliberations of the High-Level Political Forum on Sustainable Development and the UN 2019 Climate Summit from a disaster risk reduction perspective.

IMPORTANT DATES



World Water Day, 22nd March.

The theme for World Water Day 2019 is 'Leaving no one behind'. This is an adaptation of the central promise of the 2030 Agenda for Sustainable Development: as sustainable development progresses, everyone must benefit.



International Day for Disaster Reduction, 13th October.

The UN General Assembly called for the International Day for Disaster Reduction in 1989 as a way to promote a global culture of risk-awareness and disaster reduction.



World Tsunami Awareness Day, 5th November.

The debut World Tsunami Awareness Day focuses on education and evacuation drills. The date for the annual celebration was chosen in honour of the Japanese story of "Inamura-no-hi", meaning the "burning of the rice sheaves".

WFEO-CDRM Strategic Plan:

WFEO - Committee on Disaster Risk Management (WFEO-CDRM), 2018-2021 Strategic Plan:

Background

The WFEO-CDRM was originally established at the General Assembly held in December 2009, Kuwait.

Vision

To be a permanent international platform for support on Disaster Risk Management (DRM), through which knowledge and sustainable practices are integrated and disseminated to reduce vulnerability and increase resilience of populations.

Mission

As a standing committee of WFEO, the CDRM aims to promote the culture of disaster risk management through the dissemination of applicable knowledge and best engineering practices. To promote research and exchange of experiences in DRM at local, regional and global levels.

Mandate

- Encouraging countries to implement the Sendai Framework for Disaster Risk Reduction.
- Maintaining the CDRM policies driven by Japan headquarters to achieve disaster risk reduction.
- Promoting the implementation of National Committees on Disaster Risk Management.
- Encouraging and supporting CDRM team leaders to organize international webinars, technical-scientific events and publication related to their work within the strategic plan.
- Developing and promoting DRM policies, strategies and practices to reduce disasters caused by natural phenomena.
- Strengthening the committee's visibility and presence in the public sector, academic institutions, and multilateral organizations.

WFEO-CDRM members:

| Country | Name and title | Position |
|---|------------------------------|-----------------------|
| Peru | Dr. Jorge E Alva Hurtado | Chair, WFEO-CDRM |
| Japan | Prof. Syunsuke Ikeda | Vice Chair, WFEO-CDRM |
| USA | Dr. Vilas Mujumdar | Vice Chair, WFEO-CDRM |
| Subcommittee on Water and climate-related Disaster Risk Management (WCDRM) | | |
| Japan | Prof. Kenichi Tsukahara | Leader |
| Canada | Prof. S. Chan Wirasinghe | Member |
| China | Dr. Jing Peng | Member |
| Japan | Dr. Yumio Ishii | Member |
| Japan | Dr. Kazumasa Ito | Member |
| Japan | Prof. Kazutoshi Kan | Member |
| Japan | Dr. Son Hung Nguyen | Member |
| Kuwait | Eng. Talal M. Al-Qahtani | Member |
| Peru | Eng. Loren M. Ruiz Garcia | Member |
| Peru | Eng. Jorge Bustamante Dawson | New member |
| Peru | MSc. Richard Pehovaz | New member |
| Peru | Dr Jorge Vargas | New member |
| Subcommittee on Earthquake and tsunami-related Disaster Risk Management (ETDRM) | | |
| Peru | Dr. Javier Piqué del Pozo | Leader-New member |
| Peru | Dr. Alberto Delgado | Member |
| USA | Dr. Vilas Mujumdar | Member |
| Japan | Dr. Kimiro Meguro | New member |
| Japan | Dr. Masayuki Nagano | New member |
| Japan | Dr. Taiki Saito | New member |
| Japan | Dr. Yoshikazu Takahashi | New member |
| Peru | Dr. Miguel Estrada Mendoza | New member |
| Peru | Dr. José Macharé Ordóñez | New member |
| Peru | Dr Nicola Tarque | New member |
| USA | Mikaël Gartner, PE | New member |
| Subcommittee on Capacity Building for Disaster Risk Management (CBDRM) | | |
| India | Er. Ashok K Basa | Leader |
| Canada | Prof. S. Chan Wirasinghe | Member |
| China | Prof. Fang Chen | Member |
| Kuwait | Eng. Ahmad H. Bahman | Member |
| USA | Prof. Vilas Mujumdar | Member |
| Secretary and Deputy secretary WFEO-CDRM | | |
| Peru | Dr. Javier Arrieta Freyre | New member |
| Peru | Dr. Lizett Lopez Suarez | New member |

WFEO-CDRM website: http://www.wfeo.net/stc_disaster_risk_management/