

Related News: WFEO Participation in Rio+20



Sensing the important role of engineering practice to solve issues that would be discussed at the Rio+20 Conference, WFEO decided to have an active participation in such event. 43 members of WFEO Organizations registered to attend the Rio+20 meeting. The presence of the WFEO President, Engr. Adel Al Kharafi, was emblematic for showing the importance WFEO gives to UN High-Level meetings like Rio+20. For more detail please visit WFEO website.

Upcoming Events

Face-to-Face Meeting No. 3 in Slovenia on September 17, 2012.

The annual gathering of the standing technical committee on Disaster Risk Management members will be held in the white room (1/3) Grand Hotel Union Ljubljana, Slovenia. The meeting agenda is in page 3.

WFEO general assembly conference on “Innovative and Sustainable Solutions to Climate Change” meeting in Singapore, Sept. 11 – 13, 2013

The WES 2013 Organizing Committee invites the submission of technical papers in the areas listed below, to be presented at WES 2013, which will be held in Singapore from September 11 – 13, 2013. Authors can submit a one page abstract at www.wes2013.org beginning June 1, 2012. Corporate Social Responsibility on Climate Change

- Climate Change Opportunities for SMEs
- Environmental Engineering Education
- Environmental Policies
- Food and Water Security
- Financing on Climate Change Development
- Innovative and Sustainable Technology
- Integrated Environmental Management Systems
- Natural Disaster Planning and Management
- Professional Ethics and Conduct: Key Prerequisites for Sustainability
- Sustainable Energy
- Sustainable and Innovative Urban Planning
- Women in Engineering
- Young Engineers



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CDRM Newsletter

Newsletter of
Standing Technical Committee on Disaster Risk Management



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Annual report of the committee has been submitted

The annual report covering 2009 to 2011 activities of the standing technical committee on disaster risk management has been submitted by the committee chair, Dr. Ishii (P.E.Jp). The following is a summary of the report. For full report please visit WFEO Website.

The WFEO standing technical Committee on Disaster Risk Management (CDRM) was established at the General Assembly held in December 2009, Kuwait. The Committee has now more than 40 members from 15+ countries, and consists of two Sub-committee on Water-related Disaster Risk Management (WDRM) and Earthquake-related Disaster Risk Management (EQDRM). The following are main activities of CDRM from 2009 to 2011:

➤ **JFES-WFEO Joint Symposium on DRM:** The Japan Federation of Engineering Societies (JFES) and WFEO joint symposium on DRM was held in 2008, 2009, and 2010 in succession, incorporation with The Science Council of Japan and the Japan Society of Civil Engineers, as a venue for exchanging technological information on disaster response and disaster mitigation between countries in the world. The 2011 joint symposium on DRM was held at Matsuyama, Japan. It has focused on “The 2011 off the Pacific Coast of Tohoku Earthquake” or “The East Japan Great Earthquake”.

- **Panel on DRM:** The Panel to discuss disaster risk mitigation was held in 2010 WEO Congress in Argentina.
- **Field Investigation:** Following the major earthquake disasters occurred in Chile (2010), New Zealand (2011), and The Great East Japan Earthquake and Tsunami (2011), CDRM delegations were dispatched to investigate the status of the disasters and the extent of damage. The results of these investigations will be utilized in developing a guideline for earthquake disaster risk management to be published in near future.
- **CECAR-5 Presentation:** In August 2010, a lecture titled “An Integrated Framework of Flood Risk Management for Climate Change Adaptation” was given in The 5th International Civil Engineering Conference in the Asian Region, Engineers Australia, together with the Australasian Structural Engineering Conference (CECAR-5).
- **UN-ISDR Presentation:** CDRM has an active participation in the 3rd Session of the Global Platform for Disaster Risk Reduction in Geneva, Switzerland in May 2011.
- **Revising the Vision and Mission of CDRM:** The draft of the revised Vision and Mission was proposed to the committee meeting at Buenos Aires in October, 2010 and it has been approved.

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WFEO Standing Technical Committee on Disaster Risk Management (CDRM)

Vision

Introduce and recommend knowledge and experiences to avoid disasters and promote sustainable and sound development. Contribute to identification, evaluation and mitigation of, and adaptation to disasters which are related to all aspects of human life, economy, social activities and environment.

Mission

- Exchange, share and transfer knowledge, technologies and expertise which are useful for minimizing risks of disaster by identifying, evaluating and mitigating, and adapting to disaster risks.
- Foster studies and investigations which are useful to disaster risk management including examples of the best practice and implementation, and document the results in the form of recommendations, guidelines, reports and booklets.
- Gather and disseminate information and provide recommendations on the mitigation of and adaptation to disaster risks to WFEO member countries, engineering societies and leading engineers.
- Facilitate capacity building of engineers in these areas.

Goals

- Create awareness of disaster risk, and introduce knowledge and experience to avoid disasters.
- Document recommendations, guidelines, reports and booklets to foster disaster risk management.
- Disseminate the information through WFEO member country linkages to decision makers, governmental organizations, engineering societies and leading engineers.
- Coordinate international efforts related to disaster risk management
- Organize and support conferences, presentations and workshops related to disaster risk management

The CDRM has a role of minimizing the potential damage and risk to human life and damage through the proper application of technology. The disasters which are closely related to all aspects of human life, economy, social activities and environment should be considered in the CDRM. Because there are broad ranges of disaster, disasters to be focused on should be determined based on the interests and concerns of the members of CDRM taking account of its role and priority.

The CDRM has to contribute to preparation and implementation of the corresponding knowledge and practices for enhancing resilience of the society to disasters, and mobilization of every resource to minimize the potential risk. The extent and level of damage and risk have to be decided based on discussions in the CDRM. The risk is not necessarily restricted to “risk” in the probabilistic concept, but should apply in a wider concept related to mitigation of and adaptation to danger resulting from disasters. The disaster risk management includes all aspects of actions taken for identification, evaluation and mitigation of, and adaptation to disasters.

CDRM Action plan (short-term)

- Improving the information network and Homepage.
- Publishing the Revised Guidelines on Disaster Risk Management for Water-related and Earthquake-related disasters.
- Organizing the 6th Joint International Symposium on Disaster Risk Management.
- Implementing the field investigation of mega-disasters.
- Organizing the panel on DRM and the CDRM meeting at Executive Council meeting and Engineers Congress in Slovenia in September, 2012.
- Studying the new appraisal method appropriate for disaster risk management projects.

CDRM Participation in the ICOLD 2012

The 80th annual meeting and 24th congress of the International Commission on Large Dams (ICOLD 2012) has been organized in Kyoto in the early June 2012. Dr. Yumio ISHII, WFEO Vice President and Chair of (CDRM) has been invited to the event. The following is his report of the event: The ICOLD 2012 made a great success with 1,400 participants from 73 countries. Main themes of discussions include; impact of extreme events on dam safety, energy economy based on Energy Payback Ratio (EPR), and environment conservation. In the declaration of General Council as "Water Storage for Sustainable Development" the following points has been highlighted:

1. Water is life and water storage infrastructure is an indispensable tool for society.
2. Investment in water storage infrastructure is investment in the green economy.
3. The services they provide will be crucial in the mitigation of and adaptation to climate change.
4. To meet growing demands for water, food and energy, it is time to develop solutions for better use of water resources, especially for developing countries, and to match political commitments with action.
5. A balanced approach, combining large, medium and small reservoirs, is required; one that takes into account sustainable development, with full commitment to minimize negative impact.

6th Joint International Symposium on Natural Disaster Mitigation 13 September 2012, Nagoya University, Japan

Organized by:
Architectural Institute of Japan
World Federation of Engineering Organizations

Co-Organized by:
Japan Society of Civil Engineers
Japan Federation of Engineering Societies



In the wake of the Great East Japan Earthquake which claimed many precious lives and caused extensive damage to buildings and cities, it becomes increasingly important to reinforce mutual cooperation between architectural societies and civil engineering societies to reduce risk of natural disasters. This symposium was a succeeding event of the International Symposium on Disaster Risk Management of Japan Society of Civil Engineers, which has been organized with support of World Federation of Engineering Organizations (WFEO). The symposium has been started at 9:00 on 13 September with opening address by Prof. Akira WADA (AIJ President and member of CDRM Committee). The session was moderated by Dr. Ito (WFEO-CDRM and CTI Engineering Co., Ltd.) and Prof. Yamada (AIJ/ Toyohashi University of Technology). The symposium followed by two technical sessions with six speakers:

- Damage of Bridges Due to 2011 Great East Japan Earthquake by Prof. Kazuhiko KAWASHIMA (JSCE/ Tokyo Institute of Technology)
 - Issues of Damage Reduction and Resilience of affected Communities in Sanriku Area by Prof. Tsutomu SHIGEMURA (AIJ/ Kanagawa University)
 - Flood Management in Urban Area by Mr. Teeradej TANGPRAPRUTGUL (Former DG of Dept. of DID, Bangkok, Thailand)
 - Recovery from Great Sichuan Earthquake by Prof. Wenlihan HEISHA (Guangzhou University, China)
 - Disaster Risk Reduction for Bridge Structures by Prof. Teruhiko YODA (JSCE/ Waseda University)
 - Long-period Ground Motion and High-rise Buildings By Dr. Taiki SAITO (AIJ/ Building Research Institute)
- The symposium has been finished after a closing address by Dr. Yumio ISHII (Vice President of WFEO and Chair of WFEO-CDRM, CTI Engineering Co., Ltd.) at 12:45

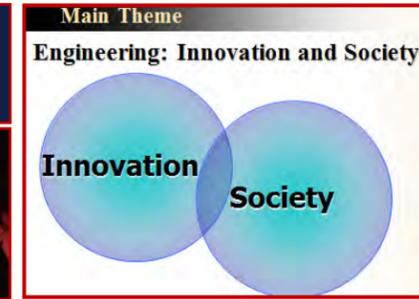
International Conference on Disaster Management Kumamoto-Japan, August 24 – 26, 2012

Organized by:
International Institute for Infrastructure, Renewal and Reconstruction (i³P²) and Kumamoto University

Supported by:
World Federation of Engineer Organizations (WFEO)



Recent natural disasters including the Tohoku, Haiti and Chile earthquakes, tsunami, and the volcanic ash disruption to European air space demonstrated that the impact of disaster spread worldwide. Furthermore, the accident in the nuclear power plant triggered by the Tohoku tsunami in Japan highlighted difficulties of disaster preparedness. There is a need to develop multi-hazard, interdisciplinary, multi stake holder, and comprehensive approaches to disaster risk reduction. The conference has been organized to discuss the new way to design our infrastructure to mitigate disaster loss and to accelerate recovery process.



Special Report on WECC2015

In the closing ceremony of the WECC 2011 in Geneva-Switzerland, Kyoto city has been announced as the host of the upcoming WECC from November 29 to December 2, 2015 and the WECC monument has been handover to Japanese delegation.

WECC is organizing every four years. The first WECC has been organized in Hanover, Germany in June 2000 with 3500 participants. The second WECC held in Shanghai, China in November 2004 with 3000 participants. The third one organized in Brazil in December 2008 with 5000 participants. The last WECC in Geneva, Switzerland attracted 1800 participants in September 2011.

The theme of WECC 2015 is "Engineering: Innovation and Society". Engineers, as the implementers of innovation, have a vital role in delivering it to society. The local organizing committee (LOC) held several meetings for detail arrangement of the WECC2015. An International Advisory Board (IAB) is also discussing promotion of the event and advising LOC



Coming event: CDRM Face-to-Face Meeting No. 3 September 17, 2012, Grand Hotel Union Ljubljana, Slovenia

The third face-to-face meeting will be held at the Grand Hotel Union (White Room 1/3) in Ljubljana, Slovenia from 9:00 to 13:00 on Monday September 17, 2012.

Draft Agenda:

1. Welcome and Introductions
2. Meeting Summary: Meeting No. 2 – Sep. 4, 2011
3. Action Item and Result Review
4. Chairs Report
 - 4.1 WFEO Executive Board Meeting – March 2012
 - 4.2 UN Commission on Sustainable Development – Rio + 20
 - 4.3 Communication with UNESCO
 - 4.4 Communication with OECD
5. Reporting of Member and Observer Activities and Issues

6. WFEO DRM Newsletter - 2012 Issue and Publication Schedule
7. Other business
 - 7.1 International Session on DRM at WEF 2012
 - 7.2 WFEO – DRM Website Update
 - 7.3 Membership Review
8. 2009-2013 Strategic Plan
 - 8.1 Water Related Disaster Risk Management
 - 8.2 Earthquake Related Disaster Risk Management
 - 8.3 Proposed New Sub-Committee Strategic Plan
9. 2009-2013 Strategic Plan Review and Approval
10. Closing Remarks and Adjournment

REPORT: World Ministerial Conference on Disaster Reduction in Tohoku Sendai, Japan 3rd & 4th July 2012

The conference has been organized by the Government of Japan (Ministry of Foreign Affairs) and co-organized by UNDP and UNISDR in the Sendai International Center, Sendai, Japan. The conference theme was "Joint Endeavors for Solutions: Wisdom of the World to the Disaster-Affected Areas, Lessons of the Disaster-Affected Areas to the World". Dr. Yumio ISHII, WFEO Vice President and CDRM Chair reported the conference marked a significant opportunity to make comprehensive discussions on the need to implement the integrated activities against disasters and to build disaster "resilient" societies. The call for "mainstreaming" disaster reduction at every level of public services and international efforts was stressed. The Japanese Prime Minister Yoshihiko Noda proposed to host the 3rd UN World Conference on Disaster Reduction in Sendai, Japan. The conclusions of the Conference were consistent with the policies of WFEO and its Committee DRM. As the third UN World Conference on Disaster Reduction will be organized on the occasion of the World Engineers Convention 2015 (WECC 2015) in Japan, the significance of responsibilities of WFEO, JFES, and SCJ in organizing WECC2015 was reaffirmed.