

February 28, 2015

**World Federation of Engineering Organizations (WFEO)
Standing Technical Committees on Disaster Risk Management (CDRM)
2014 Activities, Annual Report (April 2014 to February 2015)**

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Reference 1 : Joint International Symposium

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Table of Abbreviations

WFEO-CDRM Chair
Professor Toshimitsu Komatsu



This report outlines the activities that the Committee on DRM has already performed and prepared from April 2014 to February 2015. The report also describes the committee's mission and strategic plans. It was edited by the following members:

Committee Chair and Secretariat

CDRM Chari

Prof. Toshimitsu Komatsu

CDRM Secretary

Prof. Kenichi Tsukahara,

CDRM Deputy Secretary

Dr. Nobuaki Kimura,

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1. Missions and Major Goals of the WFEO-CDRM

The CDRM, one of the standing technical committees in the WFEO, has introduced and recommended the best practices and lessons for disaster-related damage prevention, reduction and preparedness and adaptation to disaster risks, doing so to WFEO member countries, engineering societies and leading engineers over the world. The CDRM has promoted sustainable and adaptable development based on disaster risk management (DRM) through scientific and engineering approaches. Recent CDRM activities have focused on countermeasures to natural disasters (e.g., floods and earthquakes) to improve DRM, and on capacity building. The current goals of CDRM activities are

- (1) to recruit a new CDRM members all over the world to extend committee activities,
- (2) to promote international collaboration, coordination and consultation with UN bodies and international organizations related to the DRM-viewpoint inputs, and
- (3) to hold an international symposium and worldwide workshops on DRM to disseminate relevant information to the public.

2. List of Committee Members, their Contact Details and their National Membership Affiliations

WFEO-CDRM COMMITTEE MEMBER CONTACT LIST

Current as of February 2015

Chair, Vice Chair

Country	Name and title	Position and affiliation	Contact details
Japan	Prof. Toshimitsu Komatsu	Chair, WFEO-CDRM; Professor Emeritus of Kyushu University	
Australia	Dr. Marlene Kanga	Vice Chair, WFEO-CDRM; Leader, Subcommittee on CBNDRM; WFEO National Member Representative (Australia); Member, WFEO Executive Council and Special Adviser to the President of WFEO for the Asia-Pacific region	
Japan	Prof. Syunsuke Ikeda	Vice Chair, WFEO-CDRM; Chair, Committee on WFEO, Science Council of Japan, Cabinet Office	
USA	Dr. Vilas Mujumdar	USA Consulting Engineer, Retired Program Director, National Science Foundation; Vice Chair, WFEO-CDRM; WFEO National Member Representative (USA); Member, WFEO Executive Council and Special Adviser to the President of WFEO for Marketing; President, UPADI, Committee on Disaster Risk Management and Resilience	

Subcommittee on Water-related Disaster Risk Management (WDRM)

Country	Name and title	Position and affiliation	Contact details
Japan	Prof. Kenichi Tsukahara	Secretary, WFEO-CDRM; Leader, Subcommittee on WDRM; Secretary, Committee on International Cooperation for Natural Disaster Risk Reduction of Science Council of Japan; Professor, Department of Civil Engineering, Kyushu University	
Bangladesh	Dr. Ashutosh Sutra Dhar	Associate Professor, Department of Civil	

Country	Name and title	Position and affiliation	Contact details
		Engineering, Bangladesh University of Engineering and Technology	
Canada	Prof. Slobodan P. Simonovic	Professor, Department of Civil and Environmental Engineering and Institute for Catastrophic Loss Reduction, University of Western Ontario	
Canada	Prof. Gordon McBean	Professor, Department of Geography and Political Science, Institute for Catastrophic Loss Reduction, University of Western Ontario	
Canada	Prof. S. C. (Chan) Wirasinghe	Professor, Department of Civil Engineering, Schulich School of Engineering, University of Calgary	
China	Prof. Xiaotao Cheng	Professor, Department of Water Hazard Research, China Institute of Water Resources and Hydropower Research (IWHR)	
India	Mr. Mohan Jagdish	Institution of Engineers, India; Member of IMC-WFEO	
Iran	Prof. Ali Chavoshian	CTI Engineering Co., Ltd; Assistant Professor, Iran University of Science and Technology	
Japan	Prof. Syunsuke Ikeda	Chair, Committee on WFEO in Science Council of Japan, Cabinet Office	
Japan	Prof. Fumihiko Imamura	Professor, Disaster Control Research Center, Tohoku University	
Japan	Dr. Yumio Ishii	Former Chair, CDRM; CTI Engineering Co., Ltd.	
Japan	Dr. Kazumasa Ito	Former Secretary, CDRM; Chief Engineer, CTI Engineering Co., Ltd.	
Japan	Prof. Kazutoshi Kan	Professor Emeritus, Shibaura Institute of Technology	
Japan	Mr. Tsuneyoshi Mochizuki	Executive Director, Japan River Association	
Japan	Prof. Yasuyuki Shimizu	Professor, Faculty of Engineering, Hokkaido University	
Japan	Prof. Kuniyoshi Takeuchi	Director, the International Center for Water Hazard and Risk Management	
Kuwait	Eng. Talal M. Al-Qahtani	Chair, the Kuwaiti Society of Engineers	
Kuwait	Eng. Abdullah E. Al-Otaibi	Team Leader, Planning	
Kuwait	Eng. Ahmad Khaled	Member, WFEO Bureau of	

Country	Name and title	Position and affiliation	Contact details
	Al-Qassar	Kuwait	
Morocco	Mr. Mokhtar Bzioui	Water planning and management consultant	
Philippine	Prof. Leonardo Liongson	Chair, the Philippine National Committee for UNESCO IHP	
Peru	Ing. Loren M. Ruiz García	Colegio de Ingenieros del Peru-Consejo Nacional	
Vietnam	Dr. Son Hung Nguyen	Chief Engineer, CTI Engineering Co., Ltd.	

Collaborative Member of WDRM

Country	Name and title	Position and affiliation	Contact details
Canada	Mr. Wayne Bowes	Past President, FIDIC, Treasurer, Red Canada	

Subcommittee on Earthquake-related Disaster Risk Management (EQDRM)

Country	Name and title	Position and affiliation	Contact details
Japan	Prof. Akira Wada	Leader, Subcommittee on EQDRM; Professor Emeritus, Tokyo Institute of Technology	
Australia	Dr. Marlene Kanga	Vice Chair, CDRM; Leader, Subcommittee on CBNDRM; WFEO National Member Representative (Australia); Member, WFEO Executive Council and Special Adviser to the President of WFEO for the Asia-Pacific region	
China	Prof. Zifa Wang	Institute of Engineering Mechanics, Earthquake Administration, Harbin	
India	Er. Ashok Basa	Director, B Engineers & Builders Limited; President, Institution of Engineers India	
Japan	Prof. Masanori Hamada	Professor, Department of Civil and Environmental Engineering, Waseda University	
Japan	Prof. Muneo Hori	Professor, Earthquake Research Institute, University of Tokyo	
Japan	Dr. Toshiaki Fujimori	President, International Institute for Construction Technology Information	
Korea	Prof. Hyun Moo Koh	Professor, Department of Civil Engineering, Seoul National University	
Kuwait	Eng. Jalal Abudulmohsen Al-Tabtabaei	Director, Consultancy and Project Management, International Quality Center	
Philippines	Prof. Andres W.C.	Professor, Department of Civil	

Country	Name and title	Position and affiliation	Contact details
	Oreta	Engineering, De La Salle University	
Chinese Taipei	Prof. Tzu Ying Lee	Professor, Department of Civil Engineering, National Central University	
USA	Dr. Vilas Mujumdar	USA Consulting Engineer, Retired Program Director, National Science Foundation; Vice Chair, WFEO-CDRM; WFEO National Member Representative (USA); Member, WFEO Executive Council and Special Adviser to the President of WFEO for Marketing; President, UPADI, Committee on Disaster Risk Management and Resilience	

Collaborative Member of EQDRM

Country	Name and title	Position and affiliation	Contact details
USA	Prof. Thomas D. O'Rourke	Professor, School of Civil and Environmental Engineering Cornell University	

Subcommittee on Capacity Building for Natural Disaster Risk Management (CBNDRM)

Country	Name and title	Position and affiliation	Contact details
Australia	Dr. Marlene Kanga	Vice Chair, WFEO-CDRM; Leader, Subcommittee on CBNDRM; WFEO National Member Representative (Australia); Member, WFEO Executive Council and Special Adviser to the President of WFEO for the Asia-Pacific region	
Canada	Prof. S. C. (Chan) Wirasinghe	Professor, Department of Civil Engineering, Schulich School of Engineering, University of Calgary	
India	Er. Ashok Basa	Director, B Engineers and Builders Limited; President, Institution of Engineers India	
Lebanon	Ing. Paul Nacouzi	Order of Engineers and Architects Beirut	
Kuwait	Eng. Abdullah E. Al-Otaibi	Team Leader, Planning	
Kuwait	Eng. Ahmad H. Bahman	Chair, Disaster Risk Management for the Kuwait Chapter, Kuwait Society of Engineers; Head of installation-Inspection Department, Prevention Sector	

Country	Name and title	Position and affiliation	Contact details
		of the Kuwait Fire Services Brigade	
USA	Dr. Vilas Mujumdar	USA Consulting Engineer, Retired Program Director, National Science Foundation; Vice Chair, WFEO-CDRM; WFEO National Member Representative (USA); Member, WFEO Executive Council and Special Adviser to the President of WFEO for Marketing; President, UPADI, Committee on Disaster Risk Management and Resilience	

CDRM Secretariat

Country	Name and title	Position and affiliation	Contact details
Japan	Prof. Kenichi Tsukahara	Secretary, WFEO-CDRM; Leader, Subcommittee on WDRM; Secretary, Committee on International Cooperation for Natural Disaster Risk Reduction of Science Council of Japan; Professor, Department of Civil Engineering, Kyushu University	
Japan	Dr. Nobuaki Kimura	Deputy Secretary WFEO-CDRM; Post-Doctoral Fellow of Department, Civil Engineering, Kyushu University	

Others (Registration of membership has not been completed yet.)

Country	Name and title	Position and affiliation	Contact details
Honduras	Andrés A. Escobar S.	Civil Engineer's Association of Honduras	

Potential expulsion members (because of no available contact)

Country	Name and title	Position and affiliation	Contact details
USA	Dr. Alfredo H-S Ang	University of California, Irvine	Not available
Chinese Taipei	Prof. Yeou Fong Li	Professor, Department of Civil Engineering, National Taipei University of Technology	Not available

3. Recruitment of New Members

The CDRM has not gained any new members over its past term. Potential members (the YE/FL Committee and Peru NM) have directed membership inquiries to the CDRM, but not yet become CDRM members (they are an observer at present). Additionally, Professor Komatsu (CDRM Chair) is recruiting a new member to visit Asian countries and regions, such as Chinese Taipei and Vietnam.

4. Detailed Budget, Sources of Funds, and Requests for Allocation of WFEO Funds

Financial statements of the WFEO-CDRM for 2014 and 2015 are shown as follows.

(1) Revenues and Expenditures for Fiscal Year 2014 (FY2014) from April 2014 to February 2015

The budget for FY2014 was spent, with most of the funds being used to host the 8th Joint International Symposium on Disaster Risk Management.

WFEO-CDRM Financial Statements for FY2014

Revenue

Content	Unit	Amount
WFEO allocation	EUR	1,500.00

Expenditure

Content	Unit	Amount
1. The 8th Joint International Symposium (Kobe, Japan) September 13, 2014		
- Compensation for speakers (8 guest speakers)	JPY	93,380
- Copy of proceedings (40 copies)	JPY	71,200
- Reception fee (20 guests)	JPY	40,000
- Drinks (bottled water) + office supplies	JPY	2,160
- Printer supplies (e.g., ink, drum, papers)	JPY	41,728
2. Professional proofreading of official CDRM documents		
- Committee 2014 midterm activity report	JPY	16,848
- Committee E-newsletter	JPY	14,796
- Committee 2014 annual activity report	JPY	30,000
3. Others		
- Bank transfer fee	JPY	150
- Office supplies (e.g., envelopes)	JPY	280
Total	JPY	310,542
Total	EUR	2,267
Balance (subtracted from WFEO allocation)	EUR	-767

Note that 1 JPY = 0.0073 EUR (June 2014), the above figures include sales tax and the shortfall (plus travel fees and personnel expenses exceeding 60,000 EUR) was completely compensated by

SCJ, JFES and Kyushu University.

(2) Revenues and Expenditures for FY2015 (from April 2015 to March 2016)

Proposed WFEO-CDRM Financial Statements for FY2015

Content	Unit	Amount
International Collaborative Symposium during I3R2 (August 2015, Seoul, South Korea)		
Copy of Proceedings (100 copies) + Posters (3 copies)	EUR	800
International Joint Symposium during WECC2015 (December 2015, Kyoto, Japan)		
Copy of Proceedings (100 copies) + Posters (3 copies)	EUR	800
Administration fees (including speakers' compensation, reception hosting and office tools)	EUR	1,000
CDRM Face-to-Face Meeting during WECC2015 (December 2015, Kyoto, Japan)		
Copy of handouts (50 copies)	EUR	200
Guidelines for disaster risk management		
Preparation of the Guidelines for Water-related DRM and Earthquake-related DRM	EUR	1,000
Total	EUR	3,800

5. Report on the CDRM Website and Committee Section on the WFEO Homepage

Five updated areas and items uploaded to the website from March 2014 to November 2014:

Updated membership lists

updated November 2014

Submission of the Proceedings of the 8th Joint International Symposium on Disaster Risk Management, 2014

uploaded September 2014

Announcement of the 8th Joint International Symposium on Disaster Risk Management, Kobe University (Japan), September 13, 2014

updated August 2014

Web based resource on natural disaster risk management

developed by the Subcommittee for CBNDRM

updated September 2014

Submission of the midterm report of CDRM activities in 2014

uploaded January 2015

Submission of the minutes of the CDRM face-to-face meeting in Paris, 2014

uploaded January 2015

Test demonstration at the WFEO Extended Executive Meeting in Paris, April 2014,

Web page live with resources, on the WFEO homepage, September 2014,

Demonstration to CDRM members, Paris, December 2014,

performed by the Subcommittee for CBNDRM

6. Organizational Structure in 2014

The CDRM currently consists of three Subcommittees: Water-related Disaster Risk Management (WDRM), Earthquake-related Disaster Risk Management (EQDRM), and Capacity Building for Natural Disaster Risk Management (CBNDRM). The Chair, Vice Chairs, and Leaders of the subcommittees have not changed since September 2013.

(1) Chair

Professor Toshimitsu Komatsu (Japan)

(2) Vice Chairs

Professor Syunsuke Ikeda (Japan), Dr. Vilas Mujumdar (United States), and Dr. Marlene Kanga (Australia)

(3) Subcommittee on Water-related Disaster Risk Management (WDRM)

The subcommittee on WDRM consists of approximately 20 full members and one collaborative member representing 12 countries (see the table showing CDRM membership lists). The current leader of this subcommittee is Professor Kenichi Tsukahara (Japan).

(4) Subcommittee on Earthquake-related Disaster Risk Management (EQDRM)

The subcommittee on EQDRM consists of approximately 10 full members and one collaborative member representing eight countries (see the table showing CDRM membership lists). The current leader of this subcommittee is Professor Akira Wada (Japan).

(5) Subcommittee on Capacity Building for Natural Disaster Risk Management (CBNDRM)

The subcommittee on CBNDRM consists of approximately five full members representing five countries (see the table showing CDRM membership lists). The current leader of this subcommittee is Dr. Marlene Kanga (Australia).

(6) Secretary and Deputy Secretary

The current secretary is Professor Kenichi Tsukahara (Japan), and the deputy secretary is Dr. Nobuaki Kimura (Japan).

7. Past Strategic and Action Plans for 2014

The action items for 2014 were planned in early 2014 and approved at the Extended Executive Council meeting (Paris, April 2004), as follows:

(1) Continuing actions

More than half a year of the second term of the CDRM (2013–2017) has passed since the change of the CDRM chair in September 2013. The items and plans for the second term CDRM activities, approved at the WFEO Executive Council meeting and General Assembly held in Singapore, September 2013, will remain the same. For example, Japan will still remain the host nation of the committee. The organizational structure is the same as that approved at the General Assembly (September 2013, Singapore), as follows:

Chair: Professor Toshimitsu Komatsu

Vice Chairs: Professor Syunsuke Ikeda, Dr. Vilas Mujumdar, and Dr. Marlene Kanga

Subcommittee Leader on WDRM: Professor Kenichi Tsukahara

Subcommittee Leader on EQDRM: Professor Akira Wada

Subcommittee Leader on CBNDRM: Dr. Marlene Kanga

Secretary: Professor Kenichi Tsukahara

Deputy Secretary: Dr. Nobuaki Kimura

(2) Inviting new members

New members will be recruited by requesting that members of the WFEO Executive Council make introductions to the CDRM.

(3) Releasing news/announcements and updating the contents on the CDRM's website on the WFEO home page

The contents on the CDRM website on the WFEO homepage will be as follows: updated objectives, organizational structure, publications, minutes of meetings, etc.

(4) Editing and releasing an E-Newsletter for the CDRM members (one or two issues/year)

The E-Newsletter containing the reports of the CDRM activities will be prepared and distributed.

(5) Preparing a draft guideline for “Earthquake-related DRM of Seismic Retrofit Technology for Buildings and Infrastructure”, “Seismic Isolation Technology and Construction Methods for Earthquake-proof Structures” etc.

Based on the discussion among the subcommittee members of the EQDRM, the draft guideline for the Earthquake-related DRM could be further improved and revised in the preparation process.

(6) Preparing a draft guideline for Water-related DRM

The guideline, which relates to water disasters fundamentals, floods and tsunamis, provides prevention methods and tools for risk assessment and the development of a disaster warning system. The guideline is in preparation and author copyright relate to quotations must be resolved before its publication.

(7) Preparing a draft for “the DRM Guideline for Droughts and Storm Surges”

Studies on droughts, typhoons and storm surges will be started to develop the preliminary draft of the guideline for water-related DRM by adding content on droughts and storm surges.

(8) Subcommittee activities

The subcommittee on CBNDRM has developed a web page presenting resources for natural disaster risk management. This is supported by a corporate sponsor, Liberty International Underwriters, which covers web page development and support costs. The web page resource went live in September 2014 and is maintained by the WFEWO webmaster.

(9) Holding “The 8th Joint International Symposium on Disaster Risk Management”

The 8th Joint International Symposium was held in late September 2014, simultaneously with the annual conference of the Architectural Institute of Japan (AIJ) in Kobe, Japan. It was co-hosted by WFEWO, AIJ, and the Japan Federation of Engineering Societies (JFES), and the Japan Society of Civil Engineers (JSCE) and was supported by Science Council of Japan (SCJ). The symposium proceedings will be written up and published.

(10) Preparing and organizing a face-to-face meeting for the CDRM members during the meeting of the World Engineering Conference on Sustainable Infrastructure, November 2014, Abuja, Nigeria (WECSI2014).

This face-to-face meeting will exchange the latest information on disaster risk management and disaster damage and recent losses caused by global climate change. Meeting materials (e.g., agenda) will be prepared and distributed in a printed version to meeting participants.

(11) Collaborating with other organizations

The CDRM has worked expectedly with international organizations (e.g., UNISDR, UNESCO, OECD etc.) and regional engineering organizations and groups by providing inputs and exchanging opinions in individual meetings and international conferences and by cooperating on holding symposiums and workshops. Particularly, for these organizations, the CDRM would propose an adaptation plan to reduce potential disaster risks and prevent disasters because the disasters directly obstruct sustainable development (a Rio+20’s outcome) under global climate change. In fact, the CDRM is now preparing a cooperative symposium with the International Institute for Infrastructure Resilience and Reconstruction (IIIRR) in Seoul, August 2015 and is participating in IRDR meetings that will provide the inputs related to adaptation engineering to prevent disasters into SDGs and

WCDRR (2015 March, held in Sendai, Japan).

8. Result of Activities

Based upon the 2014 strategic and action plans (see Section 7 above), the midterm statuses/progresses on committee activities from April 2014 to February 2015 are reported as follows:

(1) Organization and Structure

The existing organizational structure remains unchanged. However, the CDRM is considering the expansion of the EQDRM subcommittee's role into that of a mega-disaster subcommittee that can study and investigate compound disaster events such as the 2011 Tohoku Earthquake, together with the associated tsunami and the nuclear disaster at Fukushima.

(2) Admission of New Members

Potential members (YE/FL Committee and Peru NM) have made inquiries with CDRM about new memberships but have not yet become CDRM members. Instead, they remain observers at this stage. Additionally, Professor Komatsu (CDRM Chair) is recruiting a new member to visit Asian countries and regions, such as Chinese Taipei and Vietnam.

(3) Website Updates

Since April 2014, multiple updates to the contents of the CDRM website on the WFEO homepage included membership updates, the publication of the proceedings of the 8th Joint International Symposium on Disaster Risk Management and the minutes of the 5th face-to-face meeting, the announcement of the aforementioned symposium, and the issue of committee e-newsletters. A web-based resource has been developed for the subcommittee on CBNDRM.

(4) E-Newsletters

The e-newsletter was issued and be distributed by late January, 2015. The contents of this e-newsletter involve meeting reports for disaster-related international joint symposiums/conferences and the CDRM committee face-to-face meeting, activity reports for subcommittees and individuals, and so on. The front page is attached as "Reference 2".

(5), (6), and (7) Guidelines Associated with DRM

The guidelines for water-related DRM, earthquake-related DRM, and DRM for droughts and storm surges are still in preparation.

(8) Subcommittee Activities

a. The CBNDRM has developed a comprehensive-source website dealing with natural disaster risk management. The website was discussed at the Executive Council meeting held in April 2014 in

Paris, at which some members of the CDRM were present. Subsequent further development includes a search function by the WFEO webmaster. The web page is now live. Members can easily add resources to the web page using the “add resources function”. Members of the CDRM are requested to provide information for the resources page (please see: <http://www.wfeo.net/ndrm/>). Dr. Kanga (Leader of the subcommittee CBNDRM) is pleased to report a corporate sponsor for the web-page Liberty international Underwriters. The sponsorship runs for three years from July 2014.

b. Dr. Wada (Leader of subcommittee EQDRM) is one of the executive members who have run the SCJ academic forum, which regularly hosts a high-level academic conference. The SCJ academic forum recently created a joint statement entitled “*30 Disaster-Related Academic Societies of Japan: Global Sharing of Findings from Past Great Earthquake Disasters in Japan.*” The statement targets toward the 3rd WCDRR at Sendai and the WECC2015 at Kyoto and was introduced at the Tokyo Conference for DRRR. The statement is attached at “Reference 3”.

(9) 2014 Joint International Symposium

The 8th Joint International Symposium on Disaster Risk Management was held successfully on the morning of September 13, 2014, at Kobe University, Japan. The four science/engineering-related organizations (i.e., AIJ, JFES, JSCE and SCJ) collaboratively hosted the symposium, which featured the sub-theme of “*Education for Disaster Prevention, Reconstruction from Kobe Earthquake Disaster, and Adaptation Plan Under Climate Change.*” Eight guest speakers from Japan, Taiwan, India, Israel, Peru, and Colombia, presented to approximately 60 audience members and then held a discussion with the audience. Their presentations contained disaster education and community-based prevention in Taiwan and Bangladesh, regional characteristics of natural disasters in India, examples of disaster reduction and recovery/reconstruction, and complex disasters. Additionally, the proceedings for the speakers’ presentations were published simultaneously. Please see Reference 1 for more detail.

(10) Annual Face-to-Face Meeting

The 5th face-to-face meeting of the WFEO standing technical committee on Disaster Risk Management was held on December 11, 2014, in Paris, France. Fifty participants (including observers) engaged in many valuable discussions, covering topics such as current progress of disaster-related guidelines, outcomes of the annual DRM international symposium, and changes of committee name, and shared the demonstration of the subcommittee’s web-resource-sharing system. The detailed minutes can be seen in the committee e-newsletter.

(11) Inputs on International Conferences Related to DRM

a. The CDRM Chair, Professor Komatsu, and CDRM member, Professor S. Chan Wirasinghe, participated in and spoke at the 10th Annual Conference of the IIIRR held from May 20–22, 2014 at Purdue University, United States. In their executive committee meeting, Professor Komatsu accepted his becoming a co-Chair of the 2015 IIIRR at Seoul conference.

b. The CDRM Chair, Professor Komatsu, was invited to be a guest speaker at the Tokyo Conference on International Study for Disaster Risk Reduction and Resilience (Tokyo Conference for DRRR) held by IRDR, UNISDR, and Japanese academic organizations, in Tokyo during January 14–16, 2015. Japanese Crown Prince Naruhito and the Minister of State for Disaster Management were invited to the conference, which attracted approximately 500 attendees. The Tokyo Conference for DRRR is very important, as it precedes the 3rd UN-World Conference on Disaster Risk Reduction (3rd WCDRR), and any outcomes of the first event will be reflected at the latter one. In the session on “Inter-Disciplinary Study for Disaster Risk Reduction” of the Tokyo Conference for DRRR, Professor Komatsu successfully impressed the audience with his DRM-related presentations. In addition, the CDRM Secretary, Professor Tsukahara, worked for this conference as an management staff. Their successful works are seen in the following website: http://monsoon.t.u-tokyo.ac.jp/AWCI/TokyoConf/Day2Plenary/index_2.html.

(12) Other Activities

a. The CDRM Chair, Professor Komatsu, has recruited potential CDRM members in the East Asian region, such as in Korea and Taiwan.

b. The CDRM Chair, Professor Komatsu, was invited to serve as chief editor for a special issue on methods of adaptation to climate change for an international journal, the *Journal of Disaster Research* (ISSN: 1881-2473[Print] /1883-8030 [Online]). The special issue will be published by the summer of 2015.

9. Collaboration and Coordination with International Organizations and Others

(1) Coordination with UNESCO

The CDRM subcommittee EQDRM has been helping UNESCO’s Cross-Cutting Thematic Unit on Disaster Risk Reduction (SC/DRR) produce a publication for building seismic-standards-related research since April 2014. This publication will be presented as an outcome in a meeting of the 3rd WCDRR.

(2) Collaboration with the 2015 IIIR Conference

The CDRM is preparing a collaborative symposium (a half-day session with eight speakers) for the 11th Annual Conference of the IIIR, to be held in Seoul, South Korea, from August 27–28, 2015. The title for the collaborative symposium is set as “Disaster Risk Management”. We have appointments with six of the eight guest speakers, who have undertaken to submit their papers and present their talks.

(3) Collaboration with WECC2015

The CDRM may cooperatively prepare a special session associated with water-related DRM during the WECC2015 in Kyoto, Japan. We are currently preparing a session proposal to obtain financial support. The special session planed by the CDRM will be held as a part of the

international conference, titled “Innovations and social contributions introduced by river technologies.” The collaborative committee of WECC2015 and the Japan River Restoration Network may be established on April, 2015.

Reference 1: Joint International Symposium

Report for “The 8th Joint International Symposium on Disaster Risk Management —Education for Disaster Prevention, Reconstruction from the Kobe Earthquake Disaster, and Adaptation to Climate Change”

The engineering-related academic associations (the Architectural Institute of Japan, ‘AIJ’, the Japan Society of Civil Engineers, and the Japan Federation of Engineering Societies) and the international non-governmental organization for engineers (the World Federation of Engineering Organization — WFEO), held the 8th Joint International Symposium on Disaster Risk Management (DRM), at Kobe University on Sept. 13, 2014 during the 2014 annual meeting of the AIJ. The Science Council of Japan SCJ supported this symposium. The symposium committee invited eight guest speakers from Japan, Taiwan, India, Israel, Peru, and Colombia. All were remarkable researchers, educators and engineers, whose backgrounds were primarily in education, engineering, and social science for worldwide or local disaster prevention and reduction.

According to the symposium program (see attachment), the AIJ President, Professor Yoshino, made opening remarks and talked about robust preparedness for future severe disasters based on lessons from past disaster events. The first session saw four presentations and Q&A were performed sequentially in the first session: *Introduction to severe natural disasters experienced by India* by Er. Basa (President, Institution of Engineers, India), *A case study of local community activities for disaster prevention* by Professor Liu (National Chinan University, Taiwan), *Assessment of disaster management programs of local governments in Taiwan* by Professor Mars (Ming Chuan University, Taiwan), *Reconstruction process after the 1995 Kobe Earthquake Disaster and an example of disaster management and disaster prevention education in a community in Bangladesh* by Dr. Saito (Disaster Reduction and Human Renovation Institution, Japan), and finally Q&A for the first session. The second session then started after a short break. Four talks were presented: *Lessons for disaster reduction from the tsunami catastrophe associated with the Tohoku Earthquake* by Professor Mas (Tohoku University, Japan); *Research needs for efficient quick recovery from earthquake* by Professor Lavan (Technion-Israel Institute of Technology, Israel); *Control of chemical pollution caused by natural disasters* by Professor Cruz (Kyoto University, Japan); and *Architectural viewpoint in evacuation and reconstruction facilities* by Professor Furuya (Waseda University, Japan). Each session’s Q&A saw meaningful discussions on disaster prevention and reduction among the speakers and approximately 60 audience members. Finally, Professor Komatsu (Chair, WFEO-Committee on DRM) made closing remarks and announced the World Engineering Conference and Convention 2015, to be held in Kyoto (Japan) for engineers all over the world.

The proceedings published by the symposium committee can be downloaded from http://www.wfeo.net/stc_disaster_risk_management_meetings/.

(Note) The WFEO (a professional group for engineering) has a world-wide mission to provide

solutions to problems of poverty and sustainable development in stable social infrastructure and economics through appropriate technology and innovation. The Committee on DRM (CDRM) is a standing technical committee of the WFEO that works on disaster risk management and Er denotes Engineer.

Photos:



Audiences



Q&A



Group photo

The 8th Joint International Symposium on Disaster Risk Management

-- Education for Disaster Prevention, Reconstruction from Kobe Earthquake Disaster,
and Adaptation Plan under Climate Change --

Organized by: Japan Federation of Engineering Societies,
Japan Society of Civil Engineers,
Architectural Institute of Japan, and
World Federation of Engineering
Organizations

Supported by: Science Council of Japan

Date and Time: Sat., Sept. 13, 2014, 08:40–12:30

Venue: C1-301, Faculty of Engineering, Kobe University

Language: English (No simultaneous translation)



Program

08:40 **Opening Remarks**

08:50 **Session Part I**

- I-1. "Disaster Management – India's Experience",
by Er. **Ashok Kumar Basa** (Institution of Engineers, India)
- I-2. "Community Based Disaster Prevention: Take Taipei Wan-mei Community as
an example",
by Dr. **Chianan Liu** (National Chi-Nan Univ., Taiwan)
- I-3. "A Review on the Program of Disaster Management Capacity Building for Local
Government in Taiwan from 2009-2014",
by Dr. **Sawyer Mars** (Ming Chuan Univ., Taiwan)
- I-4. "Enhancing Community Resilience through Community Disaster Education",
by Dr. **Yoko Saito** (Disaster Reduction & Human Renovation Institution, Japan)

10:30-10:40 **Break**

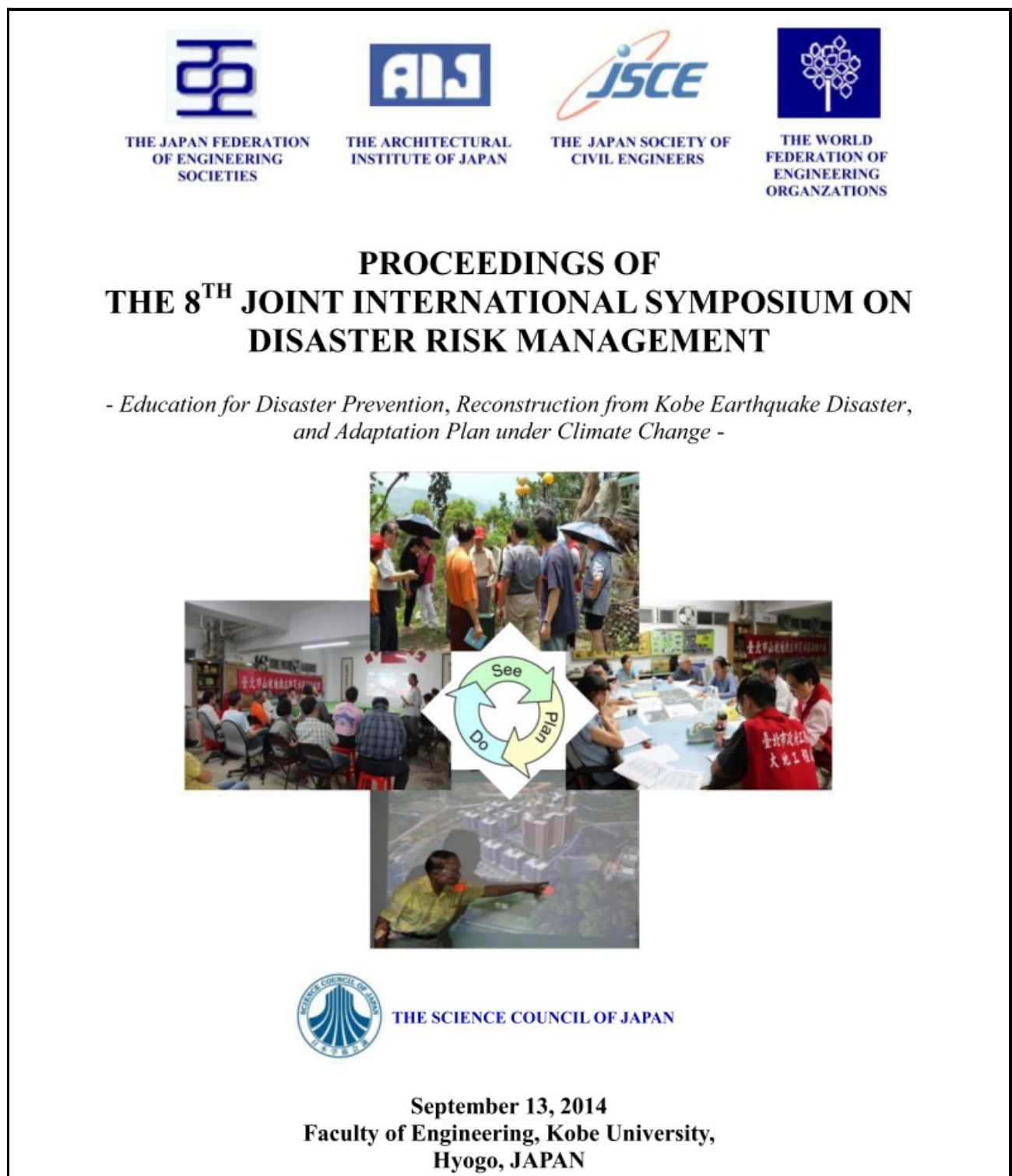
10:40 **Session Part II**

- II-5. "Lessons from Recent Disaster Events to Enhance Tsunami Risk Reduction",
by Dr. **Erick Mas** (Tohoku Univ., Peru)
- II-6. "Research Needs for Efficient Quick Recovery from Earthquakes",
by Dr. **Oren Lavan** (Technion-Israel Institute of Technology, Israel)
- II-7. "Joint Natural and Technological Disasters: An Emerging Risk Issue",
by Dr. **Ana Maria Cruz** (Kyoto Univ., Colombia)
- II-8. "Fostering Public Awareness of Disaster Prevention, through Architectural
Designing",
by Dr. **Nobuaki Furuya** (Waseda Univ., Japan)

12:20 **Closing Remarks**

12:30 **End of the Program**

Note: This symposium report is open in the E-newsletter of the CDRM (accessible at http://www.wfeo.net/stc_disaster_risk_management_reports/)



Note: This proceedings is obtained at “the Proceedings of the 8th Joint International Symposium on Disaster Risk Management, 2014”, http://www.wfeo.net/stc_disaster_risk_management_meetings/.



World Federation of Engineering Organizations

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DRM committee Newsletter

Newsletter of Standing Technical Committee on Disaster Risk Management

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Members' Report P.5

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No.5 Face-to-Face Meeting
at Paris, Dec. 11, 2015
by courtesy of Dr. Kanga

DRM committee Action Plans for the 2nd-term (2013-2017)

• **Major purposes:**

- (1) Active collaboration with other international organizations
- (2) Awareness campaign though holding international symposiums
- (3) Practical developments of disaster risk management (DRM) and adaptation technologies under global climate change

• **Subcommittee plans:**

(s1) Water-related DRM

- Development of methods, tools, and guidelines for water-disaster risk management/prevention, warning systems etc. based on a standardized procedure

(s2) Earthquake-related DRM

- Contributions/inputs to an international conference for DRM by engineering views.

(s3) Capacity Building for Natural DRM

- Creation of practical and training manuals for Capacity Building
- Establishment of web-based communication of information
- Holding of seminars, etc.

Mid-term report of the DRM committee, Mar. to Dec. 2014

The 2014 midterm report was submitted to the WFEO Headquarters. The following is a summary of the report. For the full report, please visit the WFEO website on the standing technical committee on Disaster Risk Management (DRM committee).

➤ **Organization Structure:** The committee continuously included a Chair, three Vice-chairs, three subcommittees' leaders, a secretary, a deputy secretary, and 36 members from 17 countries in 2014.

➤ **Joint International Symposium on DRM:** The international symposium was held with eight guest speakers from six countries and approximately 50 participants at Kobe Univ. (Japan) in September 2014, with the collaboration of four engineering-related organizations and the support of one academic council.

➤ **Financial Report:** The budget balance for the DRM committee 2014 activities is not yet finalized. However, for the March through October 2014 status shows a revenue of 1500 EUR, allocated by WFEO, and spending of 1522 EUR. The spending may increase by the final balance. If so, the Japan Federation of Engineering Societies and DRM committee secretariat may compensate the potential deficit.

➤ **2014 Proposed Plans and Their status:**

(a) recruitment of new members; (b) update of official DRM committee website; (c) publication of E-newsletter; (d) creation and update of the DRM guidelines for earthquake, flood-debris, drought and storm-surge disasters; (e) holding of the 8th International Joint Symposium for DRM; (f) international collaborations with UN-related and other international organizations; and (g) the DRM committee fifth face-to-face meeting. Regarding progress toward the above goals, (c), (e), and (g) were successfully completed, but (a), (b), (d), and (f) are still on going.

➤ **Near-future Strategic Plans:** In 2015, the DRM committee will be more positively internationalized, owing to several collaborative events with other international organizations. For example, the Chair and Secretary have committed to the Tokyo Conference for Disaster Risk Reduction and Resilience in Sendai (Japan), in the middle of March. The committee will hold two special symposiums, at the International Institute for Infrastructure Renewal and Reconstruction in Seoul (South Korea) in August, and at the World Engineering Conference and Convention in Kyoto (Japan) in December.

http://www.wfeo.net/stc_disaster_risk_management/

-1-

Note: This letter is accessible at http://www.wfeo.net/stc_disaster_risk_management_reports/.

Reference 3: Joint Statement of 30 Academic Societies of Japan

Joint Statement of 30 Disaster-Related Academic Societies of Japan

Global sharing of the findings

from the Past Great Earthquake Disasters in Japan

- Toward the 2015 United Nations World Conference on Disaster Risk Reduction -

- Toward the World Engineering Conference and Convention 2015 -

November 29, 2014

Academic Society Liaison Association

Corresponding to the Great East Japan Earthquake

Executive Committee (members of the Committee on Civil Engineering/Architecture of Science Council of Japan)

Architectural Institute of Japan	Association for Children's Environment
Atomic Energy Society of Japan	Geographic Information Systems Association of Japan
Institute of Social Safety Science	Japan Association for Earthquake Engineering
Japan Association for Fire Science and Engineering	Japan Association for Planning and Public Management
Japan Concrete Institute	Japan Society for Disaster Information Studies
Japan Society for Natural Disaster Science	Japan Society of Civil Engineers
Japan Society of Engineering Geology	Japan Society of Erosion Control Engineering
Japan Society on Water Environment	Japanese Association for Disaster Medicine
Japanese Institute of Landscape Architecture	The City Planning Institute of Japan
The Japan Landslide Society	The Japan Society of Mechanical Engineers
The Japanese Geotechnical Society	The Japanese Society for Active Fault Studies
The Japanese Society of Irrigation, Drainage and Rural Engineering	The Seismological Society of Japan
The Society of Environmental Instrumentation Control and Automation	The Society of Heating, Air-Conditioning and Sanitary Engineers of Japan
The Society of Instrument and Control Engineers	The Japan Association for Regional Economic Studies
Japan Society of Material Cycles and Waste Management	

Note: This statement may be accessed at http://jeqnet.org/sympo/30seimei_20141129.pdf.

Abbreviations

AIJ	= Architectural Institute of Japan
CBNDRM	= Capacity Building for Natural Disaster Risk Management (subcommittee of CDRM)
DRM	= Disaster Risk Management
DRRR	= Disaster Risk Reduction and Resilience
Eng.	= honorific title meaning Engineer
Er.	= honorific title meaning Engineer
EQDRM	= Earthquake-related Disaster Risk Management (subcommittee of CDRM)
Ing.	= honorific title meaning Engineer from Ingenieur (French), Ingeniero (Spanish)
IIIR	= International Institute for Infrastructure Renewal and Reconstruction
IMC-WFEO	= Indian Member Committee of WFEO for the institute of Engineers
IRDR	= Integrated Research on Disaster Risk
JFES	= Japan Federation of Engineering Societies
JSCE	= Japan Society of Civil Engineers
NM	= National Member
OECD	= Organization for Economic Co-operation and Development
Rio+20	= the short name for the United Nations Conference on Sustainable Development held in Rio de Janeiro, Brazil during June 2012 – twenty years after the landmark 1992 Earth Summit in Rio
SCJ	= Science Council of Japan
SDGs	= Sustainable Development Goals
UNISDR	= United Nations International Strategy for Disaster Reduction
UNESCO	= United Nations Educational, Scientific, and Cultural Organization
UPADI	= Pan American Federation of Engineering Societies
WCDRR	= World Conference on Disaster Risk Reduction, the 3rd conference in 2015 March, held in Sendai, Japan.
WDRM	= Water-related Disaster Risk Management (subcommittee of CDRM)
WECC2015	= World Engineering Conference and Convention in 2015, held in Kyoto, Japan