



**WORLD FEDERATION OF ENGINEERING ORGANIZATIONS
STANDING TECHNICAL COMMITTEE ON DISASTER RISK MANAGEMENT**

MINUTES OF CDRM MEETING

When: February, 25 (Friday), 2022, 02:00 a.m. / 03:00 p.m. (Lima time)

Venue: Zoom platform

Agenda

1. Welcome and agenda approval
2. Summary report of activities in 2021
3. Booklet current status
4. Presentation and discussion on CDRM plans to 2022
5. Important announcements
6. Concluding remarks & Group Photo

Note: Due to the difference in time zones, there were two meetings.

Participants

Meeting	CDRM members	Institution	Country
1st meeting	Arturo Muiña	IIE	Spain
	Ashok Basa	IEI	India
	Carlén Bou Chedid	GhIE	Ghana
	Dave Brunsdon	Engineering NZ	New Zealand
	Eric Ma	HKIE	Hong Kong
	Fang Chen	CAS	China
	José Macharé	CDRM chair, CIP	Peru
	Karel Vancura	CSVTS	Czech Republic
	Kenichi Tsukahara	SCJ	Japan
	Lizett López	CDRM secretary, CIP	Peru
	Marcial Rivera	CFIA	Costa Rica
	Marlene Kanga	Engineers Australia	Australia
	Myles Lind	IFME	New Zealand
2nd meeting	Dave Brunsdon	Engineering NZ	New Zealand
	José Macharé	CDRM chair, CIP	Peru
	Lizett López	CDRM secretary, CIP	Peru
	Vilas Mujumdar	Expert member	US

*Dr. Valentina Putrino, Institution of Civil Engineers, UK, excused her absence.

ACRONYMES

CAS	Chinese Academy of Sciences
CIP	Peruvian Engineers Association/Colegio de Ingenieros del Perú
CDRM	Committee on Disaster Risk Management
CFIA	Colegio Federado de Ingenieros y Arquitectos de Costa Rica
CSVTS	The Czech Association of Scientific and Technical Societies
Engineering NZ	Engineering New Zealand
GhIE	Ghana Institution of Engineers
HKIE	The Hong Kong Institution of Engineers
ICE	Institution of Civil Engineers
IEI	Institution of Engineers India
IIE	Instituto de la Ingeniería de España
IFME	International Federation of Municipal Engineering
SCJ	Science Council of Japan



I. DEVELOPMENT OF THE AGENDA

1. Introduction

Dr. Macharé provided welcome greetings and presented the meeting agenda. The agenda was unanimously approved.

2. Summary report of activities in 2021

2.1 Webinar in the framework of the World Engineering Day 2021, whose theme was Toward Resilient Societies: The Engineering Contribution. This important event had as speakers some members of the committee, as well as WFEO authorities. It was held on March 9.

Link of the recorded: <https://www.youtube.com/watch?v=cRx6oeRcwf4&t=118s>

2.2 The online course "Managing the Risk of Debris and Mud Flow-related Disaster" started on April 13 and had 533 participants from different countries around the world. Lectures were from Colombia, Greece, Italy, Norway, US and Switzerland.

2.3 On August 26, the international webinar "Humanitarian Logistics in Disasters: New Technologies for Decision Making" was held. This event was organized by the WFEO-CDRM and Production and Operations Management Society (POMS).

Link of the record: <https://www.youtube.com/watch?v=F4ufVHMsesU>

2.4 The webinar "Strengthening Efforts to Protect and Safeguard the World's Cultural and Natural Heritage", which took place on October 7. CDRM partnered with the University College London, the EPICentre, ISCARSAH and the National Academy of Sciences of Peru.

Link of the record: <https://www.youtube.com/watch?v=LI-bhgQY9XA>

3. Booklet current status

Dr. Macharé mentioned that the booklet was proposed in 2020 and during 2021, five working groups were formed to develop the chapters of the book. The work was intense and in some cases specialists from outside the committee were invited to participate.

At present, all the sections have been compiled in a first draft, which was circulated to the leaders of the groups for their opinions. Several comments and contributions to the text have been received and have already been included. The texts and illustrations have been edited. The document will be sent for English revision and then to the layout process.

The booklet will be released as a side event at the 7th Multi-stakeholder Forum on Science, Technology and Innovation for the Sustainable Development Goals in May 2022. This is a United Nations event.

Dr. Tsukahara proposed that the booklet has the International Standard Book (ISBN) number, because it make the publication much formal status.

Dr. Kanga mentioned that WFEO is co-chair of Science and Technology group at the UN and as part of this position, WFEO has guaranteed the side event in the Science, Technology and Innovation for the Sustainable Development Goals Forum in May 5-6 2022. Write the concept note for this, engage Dr. Gunalan, chair of WURC, and send him the draft of the booklet. What is the objective of the side event, what are



the outcomes? And who are the speakers? WFEO president, UNESCO, key leaders of the booklet, one hour or one hour and half maximum.

Eng. Brunsdon suggested organizing a webinar to spread knowledge of all the chapters of the booklet.

4. Presentation and discussion on CDRM plans to 2022

Dr. Macharé reported that CDRM, through its host Peruvian Engineers Association (CIP), is applying to WFEO for a second term from 2022 to 2025. The Strategic Plan has been drafted by the chair and secretary of the CDRM and has been circulated to the membership for review and input.

The committee's vision and mission were presented, as well as its objectives and organizational structure.

Eng. Brunsdon and Lind making use of the zoom chat, suggested modifying the CDRM mission to: *To promote the understanding of disaster risk and its management to reduce the impacts of disasters through the dissemination of applicable knowledge and best engineering practices.*

Dr. Mujumdar proposed the following text for the mission: *To promote the culture of resilience by reducing disaster risk through the dissemination of knowledge and engaging in best engineering practices.* Regarding the vision, he proposed: *To be an international organization to increase the resilience of cities and communities.* Finally, he mentioned that the large goal of the CDRM is really resilience (this is mentioned in the Objective 11 of the SDGs), so this term should be in the strategic plan. DRM is a tool to increase resilience.

Eng. Brunsdon proposed modifying the fourth objective to: *Contribute to building the knowledge of disaster risk management practices for engineers and community leaders.*

Dr. Mujumdar asked what are we going to come out with 2025? It is necessary to include some kind of measurable things, maybe another version of booklet.

Eng. Brunsdon mentioned that the objective of the committee has two directions: 1. Internally: Educate, inform, training engineers and how integrate DRM with their everyday practices. 2. Externally: Build relationship with public bodies related to engineers and DRM.

CDRM does not articulate with stakeholders. CDRM does not have activities that are specifically focused on those broad stakeholder groups, perhaps more thought could be given to this in the Strategic Plan. CDRM should focus on how to engage decision makers and policy makers. This could be an activity in 2022. Thinking about tools to inform and interact with the decision makers at national level. The booklet could be one, as long as it is a more refined document and fits into the language of the Sendai framework.

Dr. Mujumdar agreed with Eng. Brunsdon that we need to engage some decision makers and policy people in some activities related to the decision makers based on the public policy. We need to really educate them in some way. Organize activities such as a course, through our national members of WFEO, to identify decision makers in the countries. So too, he believes that what we should get to decision-makers is



something like a cookbook, the booklet should have a condensed version of 8 to 10 pages. This would be just a starting point.

Eng. Brunsdon suggested expanding the strategic plan activity timeline table further and making it more strategic.

Regarding the organizational structure, **Dr. Macharé** mentioned that there would be four vice presidents, corresponding to the leaders of the working groups. Leaders were consulted and invited to assume the position and accepted.

Land Use Planning	– Karel Vancura
Capacity Building	– Ashok Basa
Data and Information Management	– Fang Chen
Infrastructure Systems	– Dave Brunsdon

The purpose of these specialized groups is to improve the performance of the committee.

Dr. Macharé invited Dr. Vilas Mujumdar to assume the position of committee advisor and he accepted.

Dr. Kanga emphasized that CDRM should focus on SDG 11, aligning itself with the purposes of the UN and UNESCO, so that they can promote its work. Suggested reviewing the 2019 UN Global Sustainable Development Report, The Future is Now. What should be in our SP, is what UN is looking for. This would be the reason why UNESCO would support the publication of the Booklet in May.

https://sustainabledevelopment.un.org/content/documents/24797GSDR_report_2019.pdf

The main activities proposed for this year include continuing to organize online courses and publications as well as to organize and participate in webinars. **Dr. Macharé** listed some proposed topics for online courses and webinars, but the suggestions and involvement of the committee members are awaited.

Dr. Kanga reported on the WFEO academy project as a training portal for engineers, mainly in engineering education. This would have three pillars, one of them being the professional engineers, for whom the training would be offered on generic topics such as DRM. So, CDRM could propose a training programme on the principal elements of DRM or building resilience for communities.

To organize webinars working with partners such as International Engineering Alliance or International Federation of Engineering Education Societies, because they do webinars every week, CDRM could select some webinars and establish partnership agreements with them.

Dr. Macharé mentioned that previous editions of the International Symposium on Disaster Risk Management have been held in Peru, CDRM should aim to decentralize and organize the event elsewhere. This could be achieved with the support of the members and their respective associations.

Dr. Kanga suggested coordinating through our vice chairman and representative of the Czech Republic, to try to organize a technical session within the structure of the event to be held in the Czech Republic in 2023. This would be a good opportunity for CDRM to get visibility. Contact Daniel Hanus, president of CSVTs, in Costa Rica and talk about it.

5. Important announcements

Dr. Macharé congratulated Eng. Dave Brunson on receiving the New Zealand Order of Merit for Services to engineering and emergency management.

Dr. Macharé welcomed Eng. Myles Lind who join the CDRM representing Australasia. He also announced the reinstatement of Dr. Marlena Kanga to CDRM, representing Engineers Australia. Dr. Kanga has accompanied CDRM's activities since its creation.

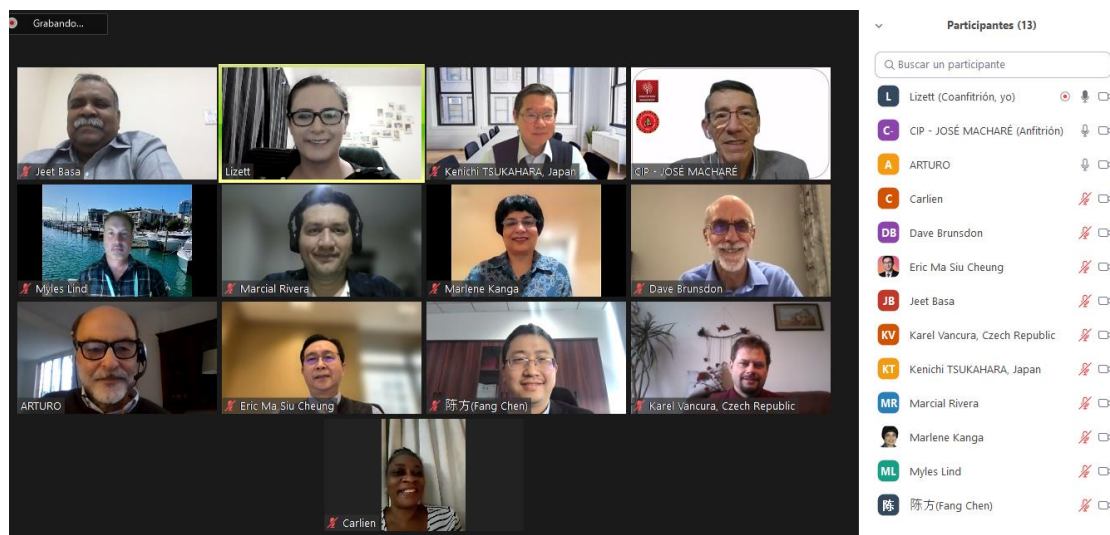
There are members of the committee who participate very little, who do not respond to communications, who have not joined the working groups, so **Dr. Macharé** asked what to do with them. Regarding this, **Dr. Kanga** said that the renewal for the new term is a good opportunity to review the membership. She suggested to send communications to all CDRM members asking for a new period commitment; those who do not respond will be removed.

6. Concluding remarks & Group photo

Dr. Macharé reminded members that CDRM is an operational arm of WFEO and that they are conceived to be not only consultative but also to provide a quote of work in order to achieve our commitments.

Finally, **Dr. Macharé** expressed his gratitude to all the participants for their presence and contributions to the meeting, as well as for their valuable work in the committee's activities.

Photo of the CDRM meeting participants



First meeting



Second meeting