



**World Federation of Engineering Organizations  
Committee on Engineering and the Environment – 2019-2023**

**Teleconference – 29<sup>th</sup> June 2020  
13:00 – 14:30 UK Time**

**Meeting notes**

	<b>Subject</b>	<b>Action</b>
1	<p><b>Introductions</b> Davide Stronati, Chair of the Committee on Engineering and the Environment, welcomed the group and invited a round of introductions.</p> <p><b>Members in attendance:</b> Darrel Danyluk (Independent advisor) David Lapp (Independent advisor) Diana Lezcano (Bochum Technical University) Fethi Thabet (Ordre des Ingénieurs Tunisiens) He Jing (China Association for Science and Technology) Jianping Wu (China Association for Science and Technology) Kwabena A. Agyepong (Ghana Institution of Engineers) Lylia Coelho Ferreira (Ingénieurs et Scientifiques de France) Martin Van Veelen (Federation of African Engineering Organisations) Richard Coakley (Institution of Civil Engineers UK) Tomás A. Sancho (Instituto de la Ingeniería de España) Tri Ratna Bajracharya (Nepal Engineers' Association)</p> <p><b>WFEO staff in attendance:</b> Jacques de Mereuil</p> <p><b>ICE staff in attendance:</b> Rob Curd Katie Momber</p>	



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2	<p><b>Update from Theme Leaders</b></p> <p><u>Climate Change Mitigation Task Group - Jianping Wu</u>            Since 1860, the global temperature has increased by 0.6 C. Solutions to this warming include:</p> <ol style="list-style-type: none"> <li>1. Reduce greenhouse gas emissions (e.g., reduce the use of fossil fuels; improve energy efficiency; develop and use clean energy, etc.)</li> <li>2. Increase greenhouse gas absorption (e.g. afforestation)</li> <li>3. Adapt to climate change (e.g. cultivation of new crop varieties, adjustment of agricultural production structure, construction of coastal dams, etc.)</li> <li>4. Adopt policy means (e.g. economic means)</li> <li>5. Strengthen international cooperation (e.g. Kyoto Protocol)</li> </ol> <p>Two examples on Engineering side: Transportation and Construction.            Jianping’s team works on transportation, encouraging government to use more New Energy Vehicles. Also, Car Sharing can significantly reduce number of cars on the road. Finally, autonomous driving can produce a smooth traffic flow which can reduce energy consumption.</p> <p>In construction, temperature increase has meant that heating supply times are able to be cut. New materials and new building designs are also a way of conserving energy.</p> <p><b>Suggestion for Committee:</b> WFEO CEE country members should work together to share successful methods, technologies and experiences of climate change mitigation.</p> <p><b>Comment from Davide:</b> We may need to develop terminology as mitigation is becoming Net Zero. We would like to accept idea, and structure a framework in the areas we want to focus on.</p> <p><b>Action: First we must develop a simple structure or taxonomy on how we can create best practice report. Reach out to CEE members but also others, and get examples from each country.</b></p> <p><u>Climate Change Adaptation Task Group - Darrel Danyluk</u></p> <p>Framework Convention on Climate change 2020 meetings have all been postponed for a year. We therefore have a year to prepare for these, provided we are interested in putting together a program for a pilot run in Bonn, and then present at Glasgow.</p> <p>When Engineers Canada were running CEE, a lot of work had been done on adapting civil infrastructures to the changing climate in Canada. This project has continued, but is now lead by a research group called the Institute for Catastrophic Loss Reduction. This group deals with the impact of climate from the perspective of risk.</p> <p>In Madrid, had a delegation of 6, but were unsuccessful in getting own side event. <del>Davide did give a presentation, and also had an exhibit so could interact with</del> delegates. Terminology is different in engineering is different to other sectors. We talk about infrastructure, everyone else talks about adapting society and the bigger picture.</p>	JW



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3	<p><b>Update on Working group on Water SDG6 report</b></p> <p>The <a href="#">WFEO Working Group on Water</a> is preparing its 2020 SDG6 Report, which will be aligned with the <a href="#">GSDR 2019</a> (see page xxii for the six entries, four levers) showing the capability of Engineering as a lever to reach the entries related with SDG6. Kwabena (SDG6 rep) is coordinating a CEE contribution, members should provide him with cases of best practice and their country progress report.</p> <p>Kwabena noted that it has been difficult to get responses from colleagues for this report, a template has been sent round so we know what type of progress report is needed.</p> <p><b>Comment from Tomás:</b> It is difficult to get these contributions, so is preparing a new email to request information. Need contributions on the real data, but mainly best practices and engineering contributions and innovative experiences. For example, in Spain they are preparing a contribution around salinization. Need contributions from Singapore, China, UK, Argentina, Brazil, India, South Africa, Canada and France. Preparing a draft, but final document will be prepared for next December.</p> <p><b>Comment from Davide:</b> We must understand this as a highest priority. Not just for this report but for all the projects we are planning.</p> <p>Invite all to look for the <a href="#">VNR (voluntary national reviews)</a>, against SGDs, where all countries can submit information.</p> <p><b>Comment from Darrel:</b> This is the main issue with WFEO members, getting meaningful contributions a proactive strategy for direct contact id required.</p> <p><b>Action: All CEE members to prepare a report and send to Kwabena and Tomás.</b></p>	ALL
4	<p><b>WFEO Declaration on Climate Emergency</b></p> <p>Appendix A identifies which CEE members have signed the declaration on Climate Emergency. Countries in red text are to easily identify who is yet to sign. The list is growing and nearly half of this committee have signed.</p> <p><b>Action: Please ask your WFEO national members to sign this declaration.</b></p> <p><b>Action: We would like those that have signed to produce a short progress report on each item within the declaration, to present at the next meeting in September. Katie will follow up with a template.</b></p>	ALL ALL KM



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5	<p><b>Plans to build a Survey for WFEO Members</b></p> <p>We would like to do a survey around climate change. It will have two strands, one strand is to ask WFEO member organisations to each fill in a questionnaire, and the other is interviews with members of this committee.</p> <p><b>Action: Katie to follow up with some more information on this, and consider including some of the ideas that have been put forward in this meeting.</b></p>	KM
6	<p><b>Build Back Better agenda – WFEO statement</b></p> <p>WFEO has released a Build Back Better statement. <b>Action: To spread this message amongst your contacts.</b> <a href="https://www.wfeo.org/wfeo-position-to-the-build-back-better-call-for-arms/">https://www.wfeo.org/wfeo-position-to-the-build-back-better-call-for-arms/</a></p>	ALL
7	<p><b>AOB - Update from Katie (post meeting)</b></p> <p><b>Action: If you have not done so already, please can you ask your national institution to nominate you as a CEE member.</b> They should email WFEO at <a href="mailto:executivedirector@wfeo.net">executivedirector@wfeo.net</a> with a request for you to join or be re-nominated, along with your CV. Even if you have been a CEE member for some time, this process is necessary for renewal of membership.</p> <p>So far WFEO have received letters from: Kwabena Agyei Agyepong (Ghana); Christine Ogut (Kenya); Wu Jianping (China) ; He Jing (China); Thomas Chan (Hong Kong); Tomás Sancho (Spain); Amable Esparza (Spain); Davide Stronati (Chair); Paul Jowitt (UK/CEC)</p> <p>It is possible to have more than one representative from a country, but only one is a full member with voting rights.</p>	ALL
6	<p><b>Next meeting</b></p> <p>Next meeting will be in the afternoon in September, and for 1.5 hours.</p> <p><b>Action: Katie to organise.</b></p>	KM