



Minutes of WFEO Energy Committee Meeting

January 26, 2022 - videoconference

Attendee list (to be confirmed):

Abdul Majeed Al Gassab

Massimiliano Capezzali

Francis Cheng

Donald Dhondee

Daniel Favrat

Miguel Fierro

François Giger

Yogi Goswami

Qinglai Guo

Imad Jarmoumi

Ruomei Li

Jean Eudes Moncomble

Fyne Ogolo

Philip Pascall

Jorge Spitalnik

Hongbin Sun

Fethi Thabet

Agenda

1. Welcome
2. Approval of 18 November meeting's minutes
3. Feedback on the online colloque: "Energy transition & Covid-19 crisis: the role of engineers"; proceedings
4. Task Groups, work in progress
 - Energy storage – Philip Pascall
 - Energy internet – Hongbin Sun
 - Hydrogen – Jean Eudes Moncomble
 - Solar – Carsten Ahrens
 - Electrification – Abubakar Sambo



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5. Task Force COP27, work in progress – Jorge Spitalnik
6. Miscellaneous
7. Next meeting: **Wednesday 27 April, 2022, 14:00 – 16:00 Paris time**

1. Welcome

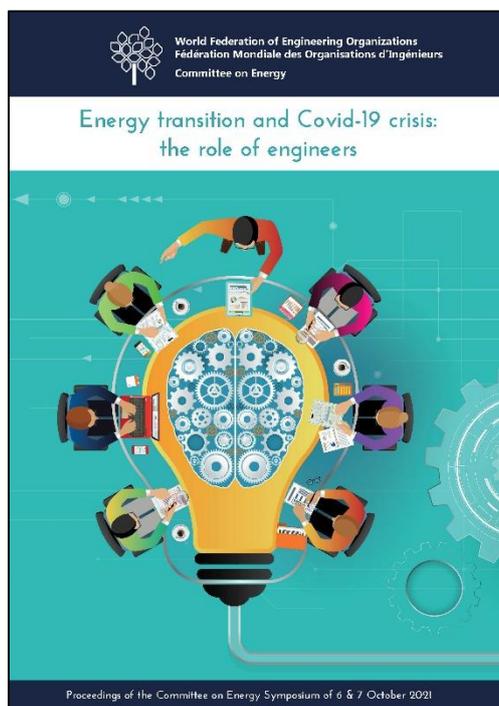
2. Approval of 18 November meeting's minutes

Minutes approved.

3. Feedback on the online colloque: “Energy transition & Covid-19 crisis: the role of engineers”; proceedings

The proceedings of the Symposium are now available.

Members of the Committee received it; proceedings can also be uploaded on WFEO website:
<http://www.wfeo.org/wfeo-ce-news/>.



Please circulate it; add your logo's organization if you want. It will be a good promotion for the Committee on Energy.

Don't hesitate to write to Cloé Bosc (energy@wfeo.org) if you have any problem with the document.

The document will be circulated to the participants of the WFEO governance meetings in Costa Rica.



4. Task Groups, work in progress

Since last meeting, each Task Group had at least one meeting.

- **Energy storage** – Philip Pascall

The group had two meetings and is working on a paper.

New members with an expertise on the subject would be welcome in the group.

- **Energy internet** – Hongbin Sun

Qinglai Guo presented the state of play of the Task Group's work.

Hongbin Sun, who could join the meeting at the end, invite more members to join the Task Group and will organize a meeting of the group.

- **Hydrogen** – Jean Eudes Moncomble

The group had meetings; a general plan has been established and will be further developed. Members of the Task Group will now focus on some main issues.

Comment: Yogi Goswami edited a handbook about hydrogen that can be interesting for the group: *Handbook of Hydrogen Energy*, CRC Press.

The other Task Groups Chairs couldn't present at this plenary meeting. The Electrification and Solar Task Groups' works will be presented during the next plenary meeting.

Proposition by Abdul Majeed Al Gassab: it could be an option to work with templates for the task groups feedback.

5. Task Force COP27, work in progress – Jorge Spitalnik

The Task Force had one meeting and there will be a new meeting to discuss again the direction of this work.

Jorge Spitalnik presented slides with the main items to deal with:

1. A survey of Net Zero Carbon Technologies
2. Energy Storage technologies
3. Hydrogen economy
4. Energy migration from fossil fuels to electricity
5. Efficiency aspects
6. Limits imposed by SDGs
7. Baseload requirements
8. Electricity transmission constraints

The aim of the task force, as a group of engineers, is to produce a document that give information that politicians, NGOs, can understand and share; a didactic document.

All the Task Groups' conclusions will have to be considered in this work, so there is a need of cooperation with the other task groups and we have to avoid overlapping between the task groups.



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Comments:

- The Committee won't have the resources to produce a whole scenario, we should take that into account for this work.
- We don't have much time to prepare this work before COP27.

If you want to join the Task Force, please write to Jorge Spitalnik.

6. Miscellaneous

- General Assembly meetings in San José, Costa Rica, 4-11 March 2022
- World Engineering Day, 4th March
 - There were several errors on the list of members emails. We circulated the list in annex of the last "meeting in a nutshell"; if you have identified some people, please help us correct the email addresses. Otherwise, we will delete these emails from the list.
- The Committee on Energy's part on the WFEO website has been updated.

7. Next meeting

Next meeting will take place **Wednesday 27 April, 2022, 14:00 – 16:00 Paris time.**

Available on Pcloud:

- ✓ *the slides presented during the meeting (Folder General)*
- ✓ *"How to use Pcloud" tutorial (Folder General)*
- ✓ *Proceedings of the Symposium "Energy transition & Covid-19 crisis: the role of engineers" (Folder 9-Symposium)*