



Committee on Energy



Minutes of WFEO Energy Committee Meeting

January 21, 2021 - videoconference

Attendee list (to be confirmed):

Carsten Ahrens, Germany
Joseph Byukisenge, Rwanda
Massimiliano Capezzali, Switzerland
Alex Carazo, Spain
Pradeep Chaturvedi, India
Francis Cheng, Hong Kong
Jovian Cheung, Hong Kong
Richard Coakley, UK
Donald Dhondee, Mauritius
Kimberley Faithfull-Wright, UK
Daniel Favrat, Switzerland
Edouard Freund, France
François Giger, France
Carlos Herrera Descalzi, Peru
Ivan Juiz, France
Ruomei Li, China
Ania Lopez, Italy
Jean Eudes Moncomble, Chair, France
Fyne Chima Ogolo, Nigeria
Philip Pascall, UK
Abubakar Sambo, Nigeria
Jorge Spitalnik, Brazil
Aung Thet Paing, Myanmar
John Thomson, UK

Meeting secretary: Cloé Bosc, France



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Agenda

1. Introduction
2. Approval of 14 October meeting's minutes
3. Implementation of the CE platform
4. Organization of CE international event
5. Organization of Task Groups; work in progress
6. Sustainability & Resilience
7. Communication of CE
8. Next meeting: 21 April 2021, 12:00 – 14:00 GMT (13:00 – 15:00 CET Paris time)

1. Introduction

Tribute to Reginald Vachon: one minute of silence in his memory.

2. Approval of 14 October meeting's minutes

Minutes approved.

3. Implementation of the CE platform

Presentation of the new WFEO Google Drive by Ivan Juiz, WFEO webmaster.

Implementation of an exchange platform where members can interact, share documents and work together.

Comment: Google Drive was not available for all members, such as in China. **Since the meeting, a new solution accessible by all members has been found: Pcloud.**

Website: <https://www.pcloud.com/>

Username: wfeo-ce@wfeo.net

Password: Wfe0Energy!

Members can use freely the folders and share documents or links on this platform and work together on it, uploading documents.

Operating rules (please respect them strictly):

- Never remove a document.
- Respect for each document the structure: doc-title_your-name_date (date in the form: year-month-day, for example "2021-04-12").

Please don't share the username and the password outside the Energy Committee.



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4. Organization of CE international event

WED day, 4th march: second edition of the event. This year there will be only webinars, no real conferences.

Then WFEO CE can organize his first virtual event: “Energy transition & Covid-19 crisis: the role of engineers”.

In the new “post-pandemia” context, engineers have a role to play in informing choices by adopting systemic approaches that put forward mature, immediately available technologies that contribute significantly to energy transition and to the fight against climate change.

The resilience of all the economy is more and more based on the resilience of the energy system.

There will be a small group of members to prepare this conference.

5. Organization of Task Groups; work in progress

- Solar

Solar and electricity, solar and heat production are big questions.

Concerning electricity, the matter is: how to produce it to help energy transition in a very strong way?

Solar production is very much connected with the hydrogen question. The storage of electricity is very limited and we have to look to other ways to store this electricity.

- Electrification

First of all, this TG will look at the electrification rates of the whole world, focusing on electricity consumption per capita: it is a very good comparison criteria. The current data of the international energy agencies is very shocking when you compare Africa and the other continents.

The TG will look what are the engineering strategies and policies of these countries to improve the situation (SDG7).

Solar is one of the key ways in Africa (and grids).

Comment: Massimiliano Capezzali presented a project built with a large set of European partners: an answer to the Green Deal of the European Union. One of the projects deals with strengthening the partnership with Africa in terms of energy and promoting implementation of renewable heat and cooling technologies in Africa in direct collaboration with engineering organisations. WFEO CE can be interesting in this very large project and disseminate its results.

Other Task Groups:

- Energy internet: chair: Hongbin Sun.
- Nuclear: the report is already written. The main issue is to organize communication.
- Energy storage: Philip Pascall agrees to be editor.
- Hydrogen.
- CCUS.



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For these last Task Groups, we will find a leader or a chair within the contributors.

Each CE member has to involve in one Task Group.

6. Sustainability & Resilience

This study is both a demand from WFEO Chair and from UNESCO.

Jean Eudes Moncomble contributed in October-November 2020 to the UNESCO report about engineering (published in march 2021) “Engineering for Sustainable Development”. The excerpt about energy is on the Pcloud platform and attached with these minutes on our mail. The demand of UNESCO was to focus on the Sustainable Development Goals (SDG).

It will be interesting for WFEO CE to have transversal works with SDG. A new dimension has been added last year: inclusiveness. This study will focus on the links between energy systems issues and the other SDG. This study needs to show that energy is at the chore of the sustainable development.

2 questions:

- What is the link between SDG and energy?
- What is the differentiation among energies in order to reach SDG?

7. Next meeting

Next meeting will be **21 April 2021, 12:00 – 14:00 GMT (13:00 – 15:00 CET Paris time).**