

Mr. Jacques de Méreuil
World Federation of Engineering Organizations
Executive Director
WFEO/ FMOI – Maison de l'UNESCO
1, rue Miollis
75015 Paris

Paris, Friday March 29th

Dear Mr. de Méreuil,

IESF, (The Society of French Engineers and Scientists), has considered with great interest your communication of February 4th concerning vacancies in WFEO Standing Technical Committees.

IESF, as a WFEO National Member, would be very honored to host WFEO STC Energy during the next 4 years term starting in November 2019. Therefore, please find enclosed the Strategic Plan proposed following your provided guide lines.

It will be a pleasure for IESF to host this STC and to conduct its share in all the work made by WFEO to enhance engineer's positions around the world.

Yours sincerely,



IESF
SOCIÉTÉ DES INGÉNIEURS ET
SCIENTIFIQUES DE FRANCE
IESF - 7, rue Lamennais - 75008 Paris
Tél. : 01 44 13 66 88 - Fax : 01 42 89 82 50
www.iesf.fr - info@iesf.fr
Siret : 784 407 025 00047 - APE 9499 Z

Jean Dambreville
IESF Executive Director



Strategic Plan to host World Federation of Engineering Organizations Standing technical Committee – ENERGY

1. Strategic orientations

The proposal to host the Committee on Energy (CE) of the World Federation of Engineering Organizations (WFEO) is in line with the continuity of the committee's activity, capitalizing on its past action and proposing ways of improvement in order to progress in the achievement of its mission. This mission has been defined as follows

The Committee on Energy's objective is to be the engineering reference for assessing the current and future energy technologies for sustainable development based on engineering criteria and actively participate in sustainable energy programs around the world by providing subject matter experts. (from WFEO website)

and remains highly relevant. It is important to remember that the notion of sustainable development is usually based on three pillars – economic, social and environmental – which must be considered in a balanced way.

Two remarks may be useful to clarify and complete this mission.

- The first is the observation that the transition we are experiencing does not only concern the energy sector: it is, for example, strongly linked to the development of digitalization and to developments in several sectors with strong links with the energy sector, such as, for example, the transport or agriculture sectors.
- The second is that decision-making is now more shared between the various economic actors and is often part of a broader debate. We can only welcome the interest shown by citizens in energy issues. But a new feature is emerging: our world today is characterized by an abundance of information which, as Aesop of language said, is the best and worst of all things. While easy access to information and diversity of opinion are indeed desirable, they should not run counter to the scientific rigor that makes it possible to distinguish what is true from what is false or uncertain.

Therefore, the CE's mission can certainly be extended. It is necessary to continue the essential monitoring of energy supply technologies, taking care not to limit ourselves too often to electricity. But, in response to the first point, it will be necessary to include in the scope technologies on the demand side as well as transversal technologies that will certainly be decisive on energy demand and its structure. Beyond the intrinsic value of this work, it could also be a way to generate new interest for the WFEO. About the second point, it will be a matter of building, obviously without a priori, the sets of scientific and technical data, facts and reasoning based on which contributions to the debate can be drawn up. This will certainly involve improving the CE's communication methods and deliverables by considering more appropriate media without sacrificing rigor.

These adjustments could have important consequences in terms of the organization of the committee's work: proposals will be made below.



Strategic Plan to host World Federation of Engineering Organizations Standing technical Committee – ENERGY

2. UN Sustainable Development Goals

One of the key points of the strategic plan is to broaden relations with all United Nations organizations and, of course, especially with the UNESCO. To be in line with UN Sustainable Development Goals (SDG) is fundamental.

The choice of the first SDG to consider is easy because the *Goal 7 – Affordable and clean energy* refers to the mission of the EC. The choice of the second SDG could be more difficult because energy is at the heart of human activity and its importance, direct or indirect, with all the Sustainable Development Goals is obvious. However, climate change is a major issue, closely linked to energy use, which has become more and more important by its consequences on energy systems, by the risks it represents for humanity and by the emergency of action; it justifies highlighting the *Goal 13 – Climate action*.



Even if these two goals constitute two strong axes of the EC's action that should be systematically highlighted, it will be possible to show, in the various works, the contributions made to the achievement of the other SDG.

3. Work Program

It is not possible, at this stage, to propose a detailed work program because one of the orientations we wish to give to the functioning of the CE is to organize it as a forum for sharing information and decisions. And the definition of the work program will be on the top of the agenda of the first meetings. The CE will have to continue and deepen its commitment to organize conferences and to participate to WFEO major events. It will be also very important to keep alive some partnership with other International Organizations working in the energy field or coupled fields.

4. Outreach

Sharing the results of the EC's work is a major challenge that must be adapted to today's requirements.

First and foremost, the positions developed by the EC must be based on solid and rigorous work and be subject to scientific and technical evaluation and discussion: this is a prerequisite for quality.

In addition, it will be essential to systematically draft executive summaries for decision-makers but also for citizens, which will require an essential outreach effort. The first task will be to propose the structure of these notes so that they provide useful information that is consistent with the committee's mission and with reference to the SDGs. It is proposed that these executive summaries be systematically presented and validated by the Committee before any publication and then circulated in a way to ensure their widest possible dissemination.



5. First steps

As already mentioned, the work program will be discussed and decided collectively at the first meetings.

Many works are in progress and it is obviously essential that they be completed and that the results be valued because their usefulness is indisputable. An update will be made on all the working groups in order to specify the expected results and publications; the same will apply to the events in which the committee must be involved.

In addition to the work undertaken, new working groups could be launched, either to update existing work or to explore topics that the EC has not yet had the opportunity to address. For example, we could mention bioenergy, energy storage or the choice already mentioned to work on the processes of an energy-intensive sector such as chemistry, which would make it possible to deepen through a sectoral approach the work already carried out on energy efficiency.

6. Committee organization

As the committee host changes, it is important to get the support of the Regional Vice-Presidents to ensure continuity and quality. The President-elect's first step will be to contact each of the Vice-Presidents to ask them for their views and advice on the draft outlined in this note; the wish will also be to ask them if they wish to continue to serve as Vice-Presidents for their region, it being specified that a positive response is expected. Other Vice-Presidencies may be proposed depending on the decisions taken on the work program.

The committee is fortunate to have a significant number of members. But it is a primary objective to define a work program in which all members are actors. It is also important to ensure that members are well represented, in terms of initial training, countries of origin and sectors of activity. It will also be a major challenge to make progress in terms of gender balance.

It is proposed to entrust the chairmanship of the committee to Jean Eudes Moncomble, Secretary General of the "Conseil Français de l'Énergie".

Jean-Eudes Moncomble is, since March 2002, secretary-general of the Conseil Français de l'Énergie, the French member committee of the World Energy Council. He is a member of the WEC Program Committee and an expert for several WEC working groups.

Engineer (Ecole Centrale de Paris, 1981) and economist, he began his career in 1981 as researcher at the Ecole Centrale de Paris: his research has focused on the construction and use of macro-energy econometric model systems; he was appointed professor of Economics and Management in 1985 at Ecole Centrale de Paris.

He joined the corporate strategy division of Electricité de France - EDF (General Economic Studies) in 1992 as an expert on economic and energy issues. Head of department in 1995, he was in charge of various



Strategic Plan to host World Federation of Engineering Organizations Standing technical Committee – ENERGY

issues, in addition of economic and energy issues: electricity markets, energy company's strategy, generation, environment, regulation.

At the European level, he chairs the Sustainability Board of the CEEP (European Centre of Employers and Enterprises providing Public Services and Services of general interest,). He is member or partner of several associations in the energy field, covering a wide range of energy resources and technologies – he is a member of the Board of the French Chapter of International Association for Energy Economics - or in the economics - he is member of the Board of the French Economic Association. He ensures several lectures in universities or “grandes écoles”. He is the chief editor of the bimonthly publication La Revue de l'Énergie.

The “Conseil Français de l'Énergie” will provide funding for the chairmanship of the committee: travel and accommodation to allow participation of the chair to conferences and meetings; the administrative secretariat of the committee will be provided by the personal assistant to the CE chair. The chair and the secretariat will be responsible for the dissemination of the preparatory files for the committee's meetings, the circulation of information, relations with the WFEO bodies and, especially, general secretariat and the provision of the necessary elements for communication.

In terms of organization, one of the chair's first objectives will be to explore how the technical secretariat could be provided by young engineers as part of in-kind support for the committee's work by major partner companies, being understood that insight will remain the exclusive responsibility of the CE.