



Outcome Statement and Action Plan

Advancing the United Nations 2030 Agenda through Engineering

UNESCO, as the United Nations agency for education, science and culture, supports engineering through its Natural Science Division, and acknowledges engineering as critical for sustainable development.

The World Federation of Engineering Organizations (WFEO) is the peak body for engineering globally, representing nearly 100 nations and more than 30 million engineers. WFEO is committed to advancing the UN 2030 Agenda through engineering and signed a Declaration with UNESCO on 5th March 2018. This is to be achieved through the WFEO 2030 Engineering Plan which is being delivered through its partners and members.

UNESCO Natural Sciences Division Capacity Building Section has a crucial role in supporting the WFEO 2030 Engineering Plan and its implementation,

Accordingly, we call on UNESCO Member States to support the work of WFEO and UNESCO to:

1. Encourage young people, especially women and girls, to consider careers in engineering;
2. Increase the numbers and quality of engineering graduates that have the capability to meet the needs of sustainable development, especially in Africa and Asia;
3. Develop and international engineering standards which meet the needs of current technologies and is recognised through the world as endorsed by UNESCO, WFEO and its global partners in engineering education;
4. Develop strong institutions for the development of national engineering education systems to comply with international standards, including educational institutions and accreditation bodies;
5. Build strong professional engineering institutions to support engineers' professional development and training and recognition of professional credentials;
6. Liaise with governments to support the adoption of a globally recognised engineering education standard and establish registration systems for the regulation of engineers for robust and consistent engineering and regional mobility;
7. Provide support for women to establish life-long careers in engineering;
8. Develop position papers and practice advice for engineers to support solutions for sustainable development through the various technical committees of WFEO, including water, energy, sustainable infrastructure, climate change and natural disaster mitigation, and advanced technologies like responsible use of data for artificial intelligence;
9. Increase awareness of the role of engineering in sustainable development through support for initiatives like World Engineering Day.

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INTERNATIONAL ENGINEERING LEADERSHIP FOR SUSTAINABLE DEVELOPMENT

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