

Standing Technical Committee on Water

World Federation of Engineering Organizations

Ignacio González-Castelao Martínez-Peñuela Chair WFEO Water Committee

$WGoW \rightarrow CW$.



Working Group on Water (WGoW) 2018-2021

Chair: Mr. Tomás Sancho

Host:



Close cooperation:







Standing Technical Committee on Water 4-year period (since March 2023)

CW | Organization.



Host





Headquarters and Secretary: Madrid (Spain), at the Spanish Engineering Institute (IIE)

Chair: Mr. Ignacio González-Castelao

Vice-Chair: Mr. Armando Silva Afonso

Executive Secretary: Mr. Adolfo Guitelman









CW | Objectives.



Objectives



- Contributions to the SDG 6 and their goals through participation in UN-Water Task Force Groups.
- Participation in international forums in which the water policy is conceived.
- Development of engineering positions and statements, and contribution to global documents of UN-Water and their agencies.

- Collecting and disseminating the activities performed by different members of WFEO.
- Specific initiatives agreed by the CW, requiring specific work to be carried out by experts, which must have specific funding to be carried out.
- Dissemination of its Reports in webinars and meetings.
- Provide support to the other WFEO committees and working groups on water-related issues.

CW | 22 Members & Observers











- **3** WFEO International Members
- 1 WFEO Associate
- 2 WFEO committee representatives

CW | Members & Observers.



| | Member | Institution/Country |
|----|----------------------------------|--|
| 1 | Mr. Amanuel Mekonnen Hailemariam | Ethiopian association of Civil Engineers (EACE) |
| 2 | Mr. Dale Jacobson | American Society of Civil Engineers (ASCE) |
| 3 | Mr. Greg Chartier | International Federation of Municipal Engineering |
| 4 | Mr. Hemant Omkarrao Thakare | The Institution of Engineers (India) (IEI). |
| 5 | Mr. Hung-Pu Huang | Chinese Institute of Engineers (Chinese Taipei) |
| 6 | Mrs. Jane Mutulili | Institution of Engineers of Kenya (IEK) |
| 7 | Mrs. Jing Peng | China Association for Science and Technology (CAST) Chair WFEO Committee for Engineering for Innovative Technologies |
| 8 | Mr. José Manuel Sousa | Ordem dos Engenheiros Tecnicos (Affiliate) |
| 9 | Mr. Juan Carlos Santamarta | Instituto de la Ingeniería de España (Spain) |
| 10 | Mr. Lau Nga Hong | Macau Institute Of Engineers |
| 11 | Mrs. Lélia Ferreira | Ordem dos Engenheiros Tecnicos (Affiliate) |
| 12 | Mr. Leonard B. Kassana, | Institution of Engineers Rwanda (IER) |

CW | Members & Observers.



| | Member | Institution/Country |
|----|--------------------------------|--|
| 13 | Mr. Paul W Jowitt | Commonwealth Engineers' Council (CEC) |
| 14 | Mr. U Khin Maung Htaey | Federation of Myanmar Engineering Societies (Fed.MES). |
| 15 | Mr. Victor B. Smith | Engineering Society of Liberia |
| 16 | Mr. Víctor Javier Cuevas Mejía | Colegio de Ingenieros Civiles de Honduras |

| | Observers | Institution/Country |
|---|--------------------------------|---|
| 1 | Mrs. Dawn Bonfield | WFEO Committee for Women in Engineering |
| 2 | Mrs. Diana María Espinosa Bula | Sociedad Colombiana de Ingenieros (SCI) |
| 3 | Mr. Kwabena Agyei Agyepong | WFEO Committee on Engineering and the Environment (CEE) West African Federation of Engineering Organizations (WAFEO) Ghana Institution of Engineering |
| 4 | Mr. Richard Coackley | Institution of Civil Engineers (ICE) |



Water Committee participations:

Ibero-American Congress of Civil Engineering 2022
 May 19-22

Bonn Climate Change Conference

June 6-16

Side event organized by: WFEO Committee for Engineering and the Environment The Engineering Institute of Canada









 47th International Symposium of the CIB Commission W062 "Water supply and drainage in buildings".

Taiwan, October 23-26, 2022



Water Efficiency Conference 2022

Trinidad and Tobago, 14-16 December 2022



7th World Engineers Convention WEC 2023
 Prague (Czech Republic, October 9-15, 2023

- Title: "SDG Goals: Water Challenges".
- Session format: Individual presentations and at the end of the speeches a discussion of questions/answers with the speakers.
- Session duration: 1.5-2 hours





Requests to the Water Committee:

 Request by ISC and UN DESA to nominate experts to review the 2023 Global Sustainable Development Report





 Call for papers to be featured in the Biannual IEM Commemorative Journal which will be released on 13th September 2022





 Africa Asia Pacific Accord International Capacity Building in Engineering Education Forum and Zimbabwe Institution of Engineering Biennial Conference





Water Committee Alliances:

UN-Water Partner
 The filled-in application form was submitted to the WFEO Executive Board on June 3.





Next Papers:

2023: Engineering, groundwater and IWRM

2024: Engineering, water and food nexus

2025: Engineering, water and energy nexus

2026: Engineering, water and smart cities

Coordinator of the paper



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Search for volunteers to participate



Send a draft version of the paper to WFEO for comments (May).



Present the final version of the paper to the WFEO General Assembly (October) for approval.





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- 3. Groundwater and SDG (Mr. Ignacio González-Castelao).
- **4. Groundwater and Climate Change** (Mr. Ignacio González-Castelao).
- **5. Integrate Water Resource Management on groundwater** (Mr. Luis Martínez Cortina).
- 6. Mining and groundwater (Mr. Rafael Fernández Rubio).
- 7. Transboundary Aquifers (Mr. Ramiro Martínez).
- 8. Vulnerable groups (Mrs. Natalia Gullón Muñoz-Repiso).
- **9. Conclusions** (Mr. João Paulo Lobo Ferreira).
- 10. References.
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Mr. Armando Silva Afonso (OdE of Portugal)

Mr. Adolfo Guitelman (WCCE)



World

Water Week





Any other ideas, activities or initiatives ?



Thank you for your time