Standing Technical Committee on Water

World Federation of Engineering Organizations

Ignacio González-Castelao Martínez-Peñuela
Chair WFEO Water Committee
Working Group on Water (WGoW)  
2018-2021  
Chair: Mr. Tomás Sancho

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

Host:

Close cooperation:
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
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

14 WFEO National Member Organizations

3 WFEO International Members

1 WFEO Associate

2 WFEO committee representatives
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<th>Member</th>
<th>Institution/Country</th>
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<tr>
<td>1</td>
<td>Mr. Amanuel Mekonnen Hailemariam</td>
<td>Ethiopian association of Civil Engineers (EACE)</td>
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<td>2</td>
<td>Mr. Dale Jacobson</td>
<td>American Society of Civil Engineers (ASCE)</td>
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<td>3</td>
<td>Mr. Greg Chartier</td>
<td>International Federation of Municipal Engineering</td>
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<td>4</td>
<td>Mr. Hemant Omkarrao Thakare</td>
<td>The Institution of Engineers (India) (IEI).</td>
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<td>5</td>
<td>Mr. Hung-Pu Huang</td>
<td>Chinese Institute of Engineers (Chinese Taipei)</td>
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<td>6</td>
<td>Mrs. Jane Mutulili</td>
<td>Institution of Engineers of Kenya (IEK)</td>
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<td>7</td>
<td>Mrs. Jing Peng</td>
<td>China Association for Science and Technology (CAST)</td>
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<td>Chair WFEO Committee for Engineering for Innovative Technologies</td>
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<td>8</td>
<td>Mr. José Manuel Sousa</td>
<td>Ordem dos Engenheiros Tecnicos (Affiliate)</td>
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<td>9</td>
<td>Mr. Juan Carlos Santamarta</td>
<td>Instituto de la Ingeniería de España (Spain)</td>
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<td>10</td>
<td>Mr. Lau Nga Hong</td>
<td>Macau Institute Of Engineers</td>
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<td>11</td>
<td>Mrs. Lélia Ferreira</td>
<td>Ordem dos Engenheiros Tecnicos (Affiliate)</td>
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<td>12</td>
<td>Mr. Leonard B. Kassana,</td>
<td>Institution of Engineers Rwanda (IER)</td>
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<td>13 Mr. Paul W Jowitt</td>
<td>Commonwealth Engineers’ Council (CEC)</td>
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<td>14 Mr. U Khin Maung Htaey</td>
<td>Federation of Myanmar Engineering Societies (Fed.MES).</td>
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<td>15 Mr. Victor B. Smith</td>
<td>Engineering Society of Liberia</td>
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<td>16 Mr. Víctor Javier Cuevas Mejia</td>
<td>Colegio de Ingenieros Civiles de Honduras</td>
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<tr>
<td>1 Mrs. Dawn Bonfield</td>
<td>WFEO Committee for Women in Engineering</td>
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<td>2 Mrs. Diana María Espinosa Bula</td>
<td>Sociedad Colombiana de Ingenieros (SCI)</td>
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<td>3 Mr. Kwabena Agyei Agyepong</td>
<td>WFEO Committee on Engineering and the Environment (CEE) West African Federation of Engineering Organizations (WAFEO) Ghana Institution of Engineering</td>
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<td>4 Mr. Richard Coackley</td>
<td>Institution of Civil Engineers (ICE)</td>
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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
CW | Activities.

- **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.
### CW | Activities.

#### 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

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<td>4. <strong>Groundwater and Climate Change</strong> (Mr. Ignacio González-Castelao).</td>
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2026: Engineering, water and smart cities

Mr. Armando Silva Afonso (OdE of Portugal)

Mr. Adolfo Guitelman (WCCE)
CW | Activities.

IWA WORLD WATER CONGRESS & EXHIBITION

World Water Forum

Conference, Events and Meetings

Publications & Reports

Alliances

CW

International Association for Hydro-Environment Engineering and Research (IAHR)

OCDE

IWA (the International Water Association)

WFED / FMOI

AAWFE (American Academy of Water Resources Engineers)

CIGB

ICOLD

UN WATER
CW | Activities.

Any other ideas, activities or initiatives?
Thank you for your time

Ignacio González-Castelao Martínez-Peñuela

icastelao@ceig.eu