



Standing Technical Committee on Water

World Federation of Engineers Organizations

Report 2022-2023

Ignacio González-Castelao Martínez-Peñuela

Chair WFEO Water Committee

WGoW → CW.

Working Group on Water (WGoW)
2018-2021
Chair: Mr. Tomás Sancho



Standing Technical Committee on Water
4-year period (since March 2022)

Host:



Close
cooperation:



ORDEM
DOS
ENGENHEIROS



CW | Organization.



Host



Headquarters:
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

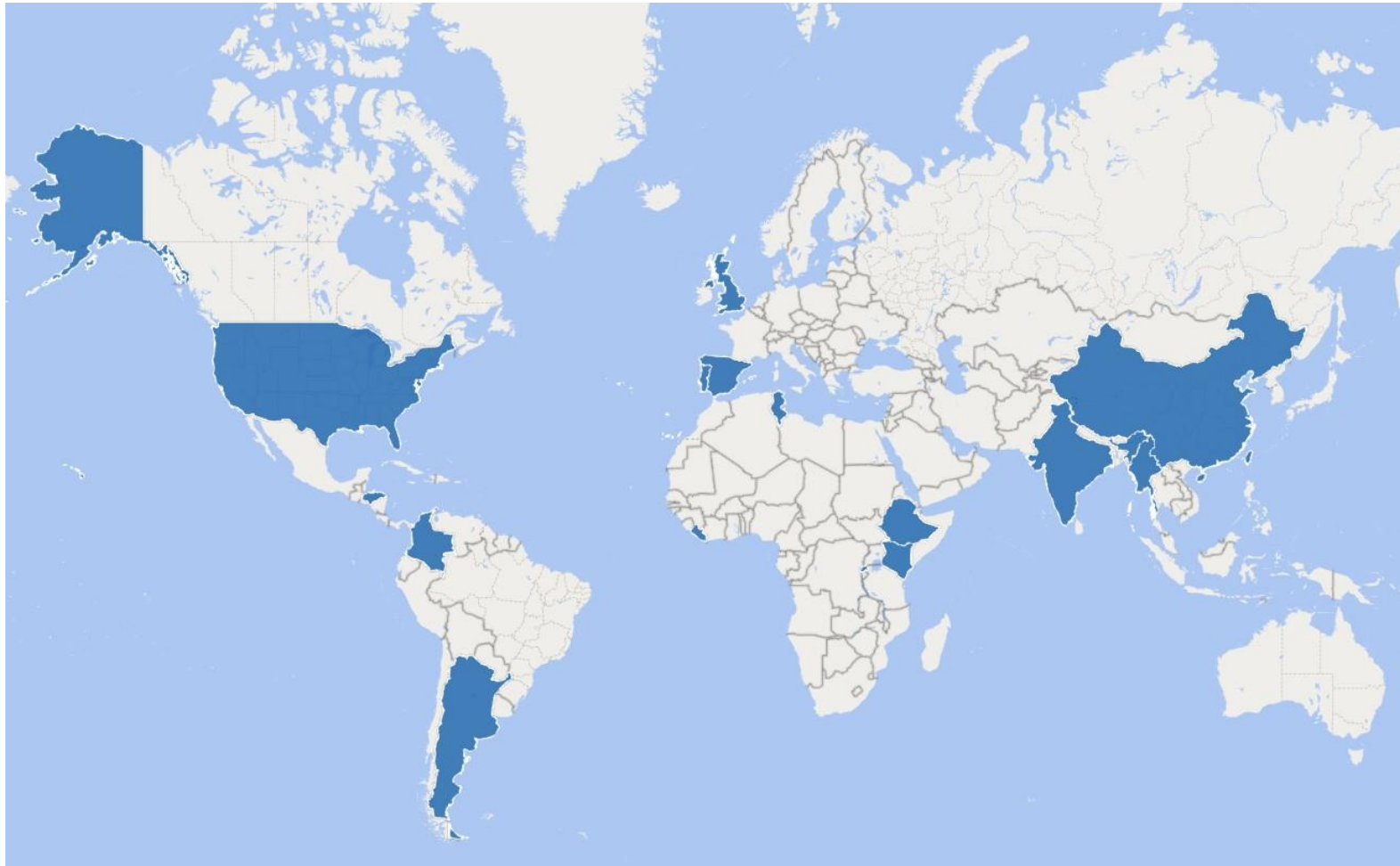


- Contributions to the SDG 6 and their goals through participation in UN-Water Task Force Groups.
- Participation in international forums in which the water policy is conceived.
- Development of engineering positions and statements, and contribution to global documents of UN-Water and their agencies.



- 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 | 24 Members & Observers



15 WFEO National Member Organizations



3 WFEO International Members

1 WFEO Associate

2 WFEO committee representatives

CW | Members & Observers.



	Member	Institution/Country
1	Mr. Adolfo Guitelman	World Council of Civil Engineers (WCCE)
2	Mr. Amanuel Mekonnen Hailemariam	Ethiopian association of Civil Engineers (EACE)
3	Mr. Armando Silva	Ordem dos Engenheiros (Portugal)
4	Mr. Dale Jacobson	American Society of Civil Engineers (ASCE)
5	Mr. Greg Chartier	International Federation of Municipal Engineering
6	Mr. Hemant Omkarrao Thakare	The Institution of Engineers (India) (IEI).
7	Mr. Hung-Pu Huang	Chinese Institute of Engineers (Chinese Taipei)
8	Mr. Ignacio González-Castelao	Instituto de la Ingeniería de España (Spain)
3	Mrs. Insaf Cherif	Tunisian Engineers Order
10	Mrs. Jane Mutulili	Institution of Engineers of Kenya (IEK)
11	Mrs. Jing Peng	China Association for Science and Technology (CAST) Chair WFEO Committee for Engineering for Innovative Technologies
12	Mr. José Manuel Sousa	Ordem dos Engenheiros Tecnicos (Affiliate)
13	Mr. Juan Carlos Santamarta	Instituto de la Ingeniería de España (Spain)

CW | Members & Observers.



	Member	Institution/Country
14	Mr. Lau Nga Hong	Macau Institute Of Engineers
15	Mrs. Lélia Ferreira	Ordem dos Engenheiros Tecnicos (Affiliate)
16	Mr. Leonard B. Kassana,	Institution of Engineers Rwanda (IER)
17	Mr. Paul W Jowitt	Commonwealth Engineers' Council (CEC)
18	Mr. U Khin Maung Htaey	Federation of Myanmar Engineering Societies (Fed.MES).
19	Mr. Victor B. Smith	Engineering Society of Liberia
20	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)

CW | Members & Observers.



Delegates appointed by the CW to serve on each of the STCs:

- Engineering and the Environment Committee: Eng. Dale Jacobson and Eng. Khin Maung Htaey
- Capacity - building committee: Eng. Victor B. Smith
- Young Engineers / Future Leaders: Eng. Amanuel Mekonnen
- Energy: Eng. Leonard B. Kassana
- Engineering Capacity Building: Eng. Leonard B. Kassana

CW | Activities.

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



United Nations
Framework Convention on
Climate Change

CW | Activities.

- **2nd International Congress of Engineering**
Coimbra (Portugal), September 23, 2022
- **47th International Symposium of the CIB Commission W062 "Water supply and drainage in buildings".**
Taiwan, October 23-26, 2022
- **WFEO virtual webinar on Climate Change**
November 10, 2022
- **Water Efficiency Conference 2022**
Trinidad and Tobago, 14-16 December 2022
- **Engineering the cities of the future (WED 2023)**
Madrid (Spain), March 2-3, 2023



- **UN 2023 Water Conference**
New York, March 23, 2023
 - Side Event organized by WFEO and ISC.
 - University Marathon Relay New York Water Week



UN
2023 WATER
CONFERENCE

NEW YORK
22-24
MARCH
2023



The Role of the S&T Community on the Pillars for Accelerating Progress and Transformative Actions on SDG 6

March 23, 2023 / 2:00 - 3:00 pm EST / 6:00 - 7:00 pm GMT



José Vieira
WFEO President



Ignacio Gonzalez-Castelao
Chair, WFEO Ctee on Water



Marlene Kanga
WFEO President
2017-2019



Tom Soo
Executive Director,
IAHR



Shreya Chakraborty
Researcher, IWMI

Side Event organized by WFEO and ISC at the UN 2023 Water Conference

Register here: bit.ly/3ZxVprq



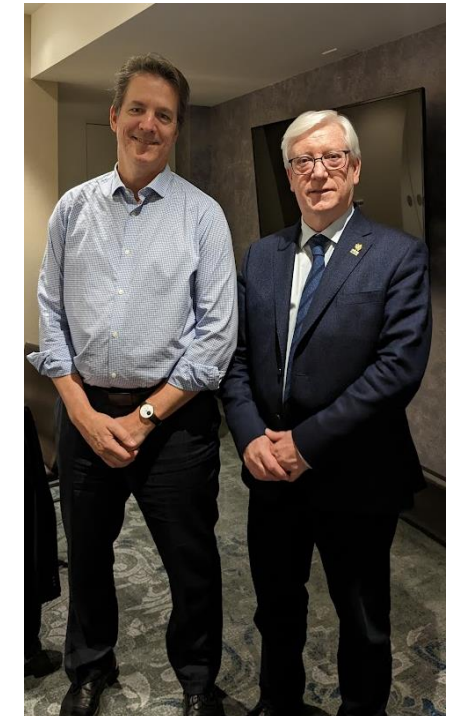
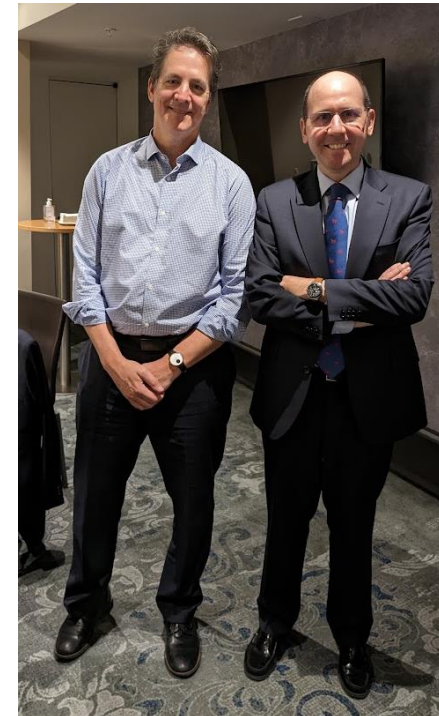
CW | Activities.

- **UN 2023 Water Conference**

New York, March 23, 2023

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- University Marathon Relay New York Water Week

BILL & MELINDA
GATES *foundation*



globesight

CW | Activities.



- **WFEO virtual side event at UN 2023 STI Forum.**
May 4, 2023

The logo for the UN 2023 STI Forum, featuring the United Nations emblem and the text "United Nations" and "World Federation of Engineering Organizations".

STI FORUM

Science, Technology & Innovation for
the Sustainable Development Goals

Engineering solutions for water adaptation

May 4, 2023 / 8:30 - 9:45 AM EST / 2:30 - 3:45 PM CEST

A circular arrangement of seven portraits of experts participating in the side event.

José Vieira
WFEO President

Ignacio Gonzalez-Castelao
Chair, WFEO Ctee on Water

João Paulo Lobo-Ferreira
Principal Research Officer, LNEC

Qian Yu
Senior engineer, IWHR

Innocent Nhapi
Water Sector Ctee, FAEO

Martin Manuhwa
Chair, WFEO Ctee on Capacity Building

Pang Chee Meng
Chief Engineering & Technology officer, PUB

Side Event organized by WFEO at the UN 2023 STI Forum

Register here: bit.ly/43cws6X

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



Requests/voluntary contributions CW:

- Request by ISC and UN DESA to nominate experts to review the 2023 Global Sustainable Development Report
- "Chapter 7: Transboundary Cooperation" of the United Nations World Water Development Report (UNWWDR) 2024 "Leveraging Water for Peace and Prosperity".
- "Chapter on SDG 6 – Clean Water and Sanitation" of the "United in Science report", (document coordinated by World Meteorological Organization).



**International
Science Council**
The global voice for science



**United
Nations** | Department of
Economic and
Social Affairs

Water Committee Alliances:

- **UN-Water Partner status**

Since August 2023.

UN-Water Expert Groups on:

- The 2030 Agenda for Sustainable Development
- Drinking-Water, Sanitation and Hygiene (WASH)
- Regional Level Coordination
- Transboundary Waters
- Water and Climate Change
- Water Quality and Wastewater
- Water Scarcity

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



UN-Water Task Force on:

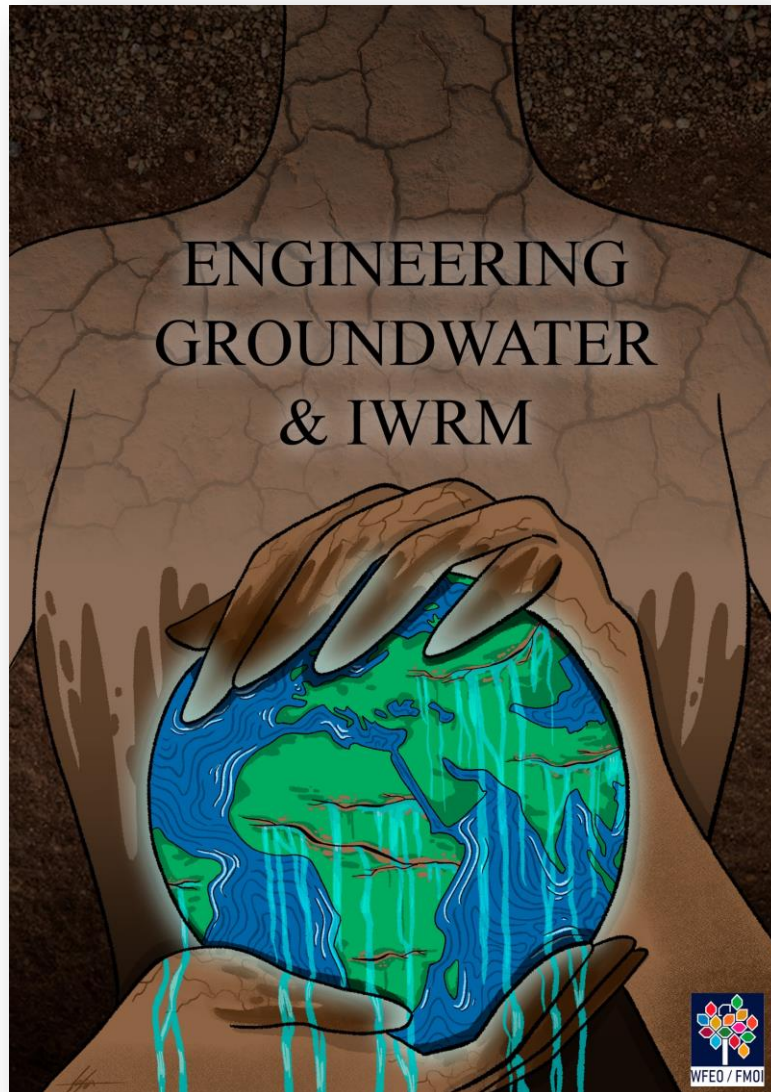
- Country Level Engagement
- Country requests
- Unconventional Water Resources
- Water Action Decade Implementation
- World Water Day and World Toilet Day 2023



**International Association
for Hydro-Environment
Engineering and Research**

Hosted by
Spain Water and IWHR, China

CW | Engineering, Groundwater, and IWRM.



CW | Thematic papers.



This document results from a collective effort made by the Water Committee of the World Federation of Engineering Organizations (WFEO).

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Dr. Emilio Custodio



Natalia Gullón



Cover artwork
Sofía de la Quintana

CW | Thematic papers.

Next Papers:

2024: Engineering, water and food nexus



ORDEM
DOS
ENGENHEIROS

Mr. Armando Silva Afonso

2025: Engineering, water and smart cities



Mr. Adolfo Guitelman (WCCE)



CW.



Any other ideas, activities or initiatives ?

Thank you for your time

Ignacio González-Castelao Martínez-Peñuela

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