



International Water Resources Association

2017 Activity Report

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2017 was a busy year for the International Water Resources Association (IWRA), dominated by the XVI World Water Congress held in Cancun, Mexico, between May 29th to June 3rd, 2017. This was followed by an expansion of IWRA activities, including participation in a number of international events and the launching of two projects, initiating project task forces to better engage with our membership, and the announcement that the XVII World Water Congress will be held in Daegu, Republic of Korea in May 2020. This report summarises the key activities that took place in 2017. It should not be seen as an exhaustive list, but rather a list of highlighted activities, supported in part by the grant we receive from the Agence Française pour la Biodiversité (Afb) the French Agency for Biodiversity, formerly known as ONEMA.

1. EXECUTIVE OFFICE

The IWRA Executive Office continues to be hosted at the Agence de l'Eau Seine-Normandie (Seine-Normandy Water Agency) based at 51 Rue Salvador Allende, 92027 Nanterre, in the Paris region of France. The hosting arrangement continues to provide IWRA with a fully-serviced office space and access to IT and printing services. The main email address remains office@iwra.org and the main office telephone number is +33-1-41-20-16-28.

The Executive Director in 2017 continued to be Callum Clench, supported by Project Officer Alice Colson and Communications Officer Ignacio Deregius. All three people are engaged to work with IWRA on a consultancy basis, working both in Nanterre and remotely. In addition, two interns were hired by IWRA in 2017. These were Mathylde Caffa from France and Heather Bond from Canada. Both worked on the preparations and delivery of tasks for the XVI World Water Congress. In addition, they both worked on general office administration and membership issues. Heather has transitioned from an intern position to a fixed term contract as a junior project officer focussing fully on the Water Quality Project sponsored



by the World Water Council (WWC), building on the project initiated with a separate grant from ONEMA. Interns are an important part of IWRA’s mission to support education and development in the water sector for students and young professionals.

A part-time fixed-term Project Officer, Stephanie Kuisma, has also been hired on a consultancy basis to deliver the Smart Water Management (SWM) project funded by K-water. The objective of this project is to examine case studies from around the world that show the possibilities of adopting smart technology into water resource management.

James Nickum and Philippus Wester continued as Editor-in-Chief and Deputy Editor-in-Chief of IWRA's flagship publication, Water International. Other individuals were retained to support publications/media on a consultancy basis. These were Nick Griffin who replaced Ellia Guy as editor of the IWRA Policy Briefs; Scott McKenzie who manages webinars; and Nathalie Lyon-Caen who provides graphic design for reports and the IWRA website. Finally, Sergio Vallejo manages the membership space on the website and the World Water Congress archives.

2. BOARD OF DIRECTORS

In 2017 the Board of Directors remained unchanged:

President		Patrick Lavarde	France
Past President		Doğan Altınbilek	Turkey
Vice-Presidents		Naim Haie	Portugal
		Yuanyuan Li	People’s Republic of China
		David Molden	Nepal
Secretary General		Guy Fradin	France
Treasurer		Renée Martin-Nagle	United States of America
Directors		Aziza Akhmouch	Morocco
		Mukand Babel	Thailand
		Carl Bruch	United States of America
		Bruce Currie-Alder	Canada
		Guillermo Donoso	Chile
		Jun-Haeng Heo	Republic of Korea
		Y.S. Frederick Lee	Hong Kong, PRC
		Ahmet Mete Saatçi	Turkey
		Raya Marina Stephan	Palestine
	Philippus Wester	Netherlands	
Committee Chairs	Awards	James Nickum	Japan
	Membership	Gary Jones	Australia
	Publications	Henning Bjornlund	Australia

■ Meetings

The Board of Directors held a total of 5 meetings in 2017, all of which were teleconference meetings except for the third meeting, which was held face-to-face in Cancun just prior to the XVI World Water Congress.



■ Committees

There were six Director-led committees in 2017; the three standing committees for Awards, Membership and Publications; one special committee set up to finalise the review and update of the existing IWRA Constitution/By-Laws to make them compliant with Wisconsin law by replacing them with a new Articles of Incorporation document and revised By-Laws; and a new Finance Committee. As a result of the new Articles of Incorporation, the publication committee has become the “Scientific, Technical & Publications Committee”, and a new Governance Committee was established to streamline decision making processes for issues that do not require full Board approval, or for certain time sensitive issues where the Board has given the Governance Committee permission to act. The Executive Office provides support to these committees where necessary.

The committee members are:

	Chair	Members
Awards	James Nickum	Asit Biswas, Bruce Currie-Alder, Malin Falkenmark, David Molden, Takahasi Yutaka
Membership	Gary Jones	Carl Bruch, Naim Haie, Jun-Haeng Heo, Yuanyuan Li
Scientific, Technical & Publications	Henning Bjornlund	Guillermo Donoso, James Nickum, Raya Marina Stephan, Philippus Wester
Constitution	Doğan Altınbilek	Lilian del Castillo-Laborde, Guy Fradin, Renée Martin-Nagle
Finance	Renée Martin-Nagle	Gary Jones
Governance	Patrick Lavarde	Guy Fradin, Renée Martin-Nagle

3. WORLD WATER CONGRESSES

■ XVI World Water Congress

The preparation for the XVI World Water Congress dominated IWRA activities for the first half of 2017. Numerous remote and on-site meetings took place with Congress co-organisers, the National Water Commission of Mexico (CONAGUA) and the Mexican National Association of Water and Sanitation Utilities (ANEAS), and the International Scientific Committee (ISC), chaired by Gabriel Eckstein. In April, the Executive Director visited both Mexico City and Cancun to meet local representatives and to investigate proposed venues for the Congress, special events and accommodation in the Quitana Roo region. This visit helped resolve some logistical, administrative and promotional issues between the Mexican co-organisers. IWRA also managed to cover its own costs for the Congress through additional sponsorship provided by the World Water Council, the Inter-American Development Bank, Texas A&M University School of Law, and the Agence de l'Eau Seine Normandie.

IWRA's XVI World Water Congress was held in Cancun, Mexico, from May 29th to June 3rd, 2017, under the overarching theme of “Bridging Science and Policy”. During the week, more than 1,100 attendees participated in 116 distinct sessions (5 high-level panels, 41 regular sessions presenting the latest papers, 49 special sessions organised by partner organizations, and 11 side-events) representing 68 countries from all regions of the world. Congress attendees focused discussions on enhancing the Science Policy Interface as well as achieving goals and strategies originating from the 2030 Agenda & the SDGs, UNFCCC, thematic priorities of past and upcoming World Water Fora, and other water-related programmes. The XVI World Water Congress was noted as a milestone on the road to the 8th World Water Forum in Brasilia in 2018, with many associated preparatory events held in Mexico.



An event App was used for the first time at this IWRA Congress. In Cancun, a Spanish start-up (Meetmaps) was hired to develop and provide the App. This platform offered attendees access to the Congress agenda, as well as all documents, the latest updates and notifications and facilitated networking opportunities with other attendees. Overall, more than 300 attendees downloaded the App, connected 5,883 times, clicking 23,082 times on events, documents, etc. In total, 1,985 messages were sent through the App. The Executive Office highly encourages that all future World Water Congresses use a similar App, aligned with a centralised platform on the official website for abstract and presentation submissions, and linked to registration, profile creation, and attendance certificates.

A major outcome of the Congress was IWRA's *Cancun Declaration – A Call for Action to Bridge Science and Water Policy-Making for Sustainable Development*. The Declaration was a result of a collaborative effort by numerous participants, and all attendees were offered the chance to contribute to its creation. This Declaration calls for urgent mobilisation, stressing that “Business as usual” in science, policy and implementation is no longer an option, and that stronger efforts for better and new interdisciplinary knowledge sharing are urgently required. Scientific evidence-based policy making is essential, and the dissemination of good practices is key for fostering the implementation of adaptive solutions. The Declaration calls for action from policy makers, scientists and professionals as well as from civil society.

The success of the Congress was only possible with the dedicated support of the host organisations, and the individuals who volunteer their time to the Congress Steering Committee (CSC), the ISC and the Young Ambassadors programme who acted as rapporteurs. We are also grateful for the efforts made to collaborate with this event from our Congress partners and supporters: World Water Council, 8th World Water Forum, and the Inter-American Development Bank, Texas A&M University School of Law, Agence Française pour la Biodiversité, Taylor and Francis Group and Agence de l'eau Seine Normandie.

■ XVII World Water Congress

Following an open call for hosts for the XVII World Water Congress, an agreement was reached, and it was formally announced at the Closing Ceremony that the XVII World Water Congress will take place in Daegu, Korea. Following the XVI Congress, May 2020 was set as the date for the next Congress with an MoU signed between the Korean host institutions (KWRA, MOLIT, Daegu Metropolitan City and K-water). The theme of the XVII World Water Congress is expected to be “Water and Sustainable Development”.

Officials from Monaco, Kenya, Azerbaijan, Helsinki, Ottawa and Jerusalem have also indicated interest in hosting either a future World Water Congress or smaller event. Discussions with these potential hosts are ongoing.

4. IWRA MEMBERSHIP

Important efforts were made in 2017 by IWRA to strengthen its membership. IWRA membership by the end of the year stood at approximately 1,100 individuals. The Association actively communicated and shared knowledge with members, partners and influencers (e.g. UN Water, Taylor & Francis, K-Water, World Water Council, etc.). It worked regularly to retain current members and attract new ones, with dedicated communication campaigns and stands at international events focusing on membership benefits. IWRA reached out to more than 17,000 people (including members, partners and supporters) through nearly 70 email campaigns, with 134,678 messages delivered and up to 35 targeted lists created. Each campaign was opened in 2017 around 35% on average by the recipients. As noted under the Projects section of this report, member-led task forces have been set up in 2017 to offer IWRA member



the chance to interact on and support on-going projects focused on Smart Water Management and Water Quality.

5. GEOGRAPHICAL CHAPTERS

The IWRA currently has four formal chapters, in China, Oceania, Japan and India, as well as a student chapter at the University of Illinois.

▪ China

The China Chapter is chaired by Yuanyuan Li at the Chinese Ministry for Water Resources, and has an active membership of over 110 members, making it the largest. A proposal for possible future seminars held between World Water Congresses in China is being discussed.

▪ Oceania

This is the newest IWRA Chapter. It was initially chaired by Gary Jones from the Australian Water Partnership, but the management of the Chapter was transferred to Nicholas Schofield and then Gregory Lawrence Leslie, both at the University of New South Wales. The Chapter has been set up under a new model of sharing revenues from membership in the region to support local activities.

▪ Other Chapters

The Japan and India Chapters have been continued to be largely quiet in 2017, despite outreach by the Executive Office. Discussions continue with CONAGUA about establishing a Latin American Chapter in Mexico, and also with the Korea Water Resources Association and K-water about re-establishing a national chapter in the Republic of Korea.

6. STRATEGIC PARTNERSHIPS

In addition to working with our members, IWRA also has formed relationships with a number of other international organisations. These include:

▪ Korea

With the XVII World Water congress now agreed to take place in the Republic of Korea in 2020, opportunities to collaborate with our Korean partners are already underway. These include signing an MoU with K-water to undertake a joint project on Smart Water Management (SWM), with a case study report due for publication by the end of 2018; supporting the Korea Water Forum in the World Water Challenge competition by serving on the judging panel during the Korea International Water Week (KIWW); being active members of the Implementation Roadmap process that the Korea Water Forum has established to bridge actions between the 7th and 8th World Water Fora; participating in an international expert panel offering opinions on options for structuring water resource management in the Republic of Korea, and joining panels on Water and Green Growth organised by K-water. Additional collaboration opportunities are expected with the other partners hosting the next Congress, namely Daegu Metropolitan City, the Ministry of Land, Infrastructure and Transport (MOLIT), and the Korea Water Resources Association (KWRA). Korean collaboration is expected to continue to grow between now and 2020, by which time IWRA aims to have a national Chapter established.



- **Agence Française pour la Biodiversité (Afb)**

The IWRA continues to welcome the grant given by the Afb (the French Agency for Biodiversity), formerly provided by ONEMA prior to changes in the French public sector. This grant supports IWRA's work to advance collective and inter-disciplinary understanding knowledge sharing to address the issues related to water resource management. This report also serves as a summary of activities undertaken in 2017 in the spirit of this agreement.

- **World Water Council (WWC)**

The WWC has been a strong supporter of the IWRA in 2017, including sponsoring and actively participating in the XVI World Water Congress, as well as funding further activity on water quality and continuing the work sponsored by the former ONEMA organisation, now under the Afb. The IWRA and the WWC have a long history, as the WWC was created as a result of the *Cairo Statement* which came out of the VII World Water Congress held in Cairo in 1996. It is good to be able to continue our collaboration again after all these years.

- **OECD – Water Governance Initiative (WGI)**

IWRA has been part of this initiative since almost the beginning, and in 2017 supported the WGI through the publication of a Special Issue of *Water International* dedicated to this subject and the work being undertaken in the WGI. This was informally launched at the last WGI meeting held in Vienna in November 2017 and is due for publishing in early 2018.

- **Asia Water Council (AWC)**

IWRA joined the AWC general assembly in Gyeongju, during the Korea International Water Week (KIWW) held September 2017. IWRA and the AWC are committed to collaborating and members of the AWC also participated in the XVI World Water Congress.

- **International Commission on Irrigation & Drainage (ICID)**

A MoU has been negotiated between ICID and IWRA and was signed at the XVI World Water Congress. This agreement seeks to build on collaborative initiatives in the areas of water and water-related topics through the improvement of water resources decision-making, programme research synergies and joint activities.

7. PUBLICATIONS AND WEBINARS

- ***Water International***

In 2017, eight issues of *Water International* were produced, including 6 regular and 2 special issues. The latter included the following topics:

- “Groundwater and Climate Change – Multi-Level Law and Policy Perspectives”
- “Transboundary River Cooperation: Actors, Strategies and Impact”

The latest Web of Science impact factor for *Water International* was released in June 2017, increasing in 2016 to 1.538, up from 1.040 in 2015. This means a 48% increase and a rise in relative rankings, to 53/128 in Civil Engineering and 49/88 in Water Resources categories. This reflects the hard work and dedication of the Editorial team led by James Nickum and Philippus Wester. Without their efforts, it would be impossible to deliver such a high quality publication.



■ IWRA Policy Briefs

Each Policy Brief document is generally based on a special issue of *Water International*. This year two new policy briefs were produced in relation to special issues. These were:

- No. 7: “Legal Mechanisms for Water Resources in Practice” – August 2017
- No. 8: “Groundwater and Climate Change – Multi-Level Law and Policy Perspectives” - September 2017

A new policy brief editor Nick Griffin joined IWRA in 2017, replacing Ellia Guy.

Following the groundwork laid in 2017, in 2018 IWRA will start to produce Special Policy Briefs proposed and sponsored by members. A Special Policy Brief on “Land for Flood Risk Management” is being drafted and due for publication in early 2018.

■ IWRA Update

The quarterly newsletter *IWRA Update* was produced for IWRA members and partners. All four newsletters are available online and were distributed via email campaigns to IWRA’s General List (+ 9000 people) and promoted on social media channels, mainly Twitter and Facebook. Members were invited to contribute with news, activities and publications through open calls. A dedicated special issue on the XVI World Water Congress was created in March.

■ IWRA Webinars

Throughout the year four webinars were held on 4 different topics. These were based on selected special issues of *Water International* as well as main events aligned with the international development agendas. The four webinars were:

- “World Water Day – Wastewater” held in March
- “Legal Mechanisms for Water Resources in Practice” co-organised with the International Association for Water Law (AIDA), held in August
- “Groundwater and Climate Change – Multi-Level Law and Policy Perspectives” held in September
- “World Toilet Day – Wastewater” held in November

More than 215 registrants contributed to the “Groundwater and Climate Change” webinar and five women speakers participated in IWRA-AIDA’s webinar on “Legal Mechanisms for Water Resources in Practice”. All webinars used new software (GoToWebinar), were recorded in high resolution and are published on IWRA’s website and YouTube channel. Formatting of the material for six previous IWRA webinars since 2014 has been carried out and they too have been placed online.

■ Media Coverage

Media activity is an alternative means to promote IWRA’s work and activities. This year the Association placed many articles, opinion-editorials and letters to the editor including:

- International publications: The Economist, Huffington Post, Boardroom Magazine
- Regional publications: The National (UAE) and Japan Times

Increased social media activity, expanded on Twitter to over 4,650 followers by end December, with more than 950 tweets overall and a total of 109,492 impressions over the last 6-month period. These numbers continue to increase monthly, tweeting at least once a day. On Facebook, IWRA earned more than 9,250 followers (25% women, 75% men/ 58% 25-34 years old, 27% 18-24 years old), over 9,200 likes, posted more than 60 times, and on average reached to more than 5,000 people and engaged with over 320 people per month. IWRA will continue to post similarly at least once or twice a week in 2018.



8. WEBSITE

IWRA's website was transitioned this year, 2017, to a new platform – WordPress. The renewed website was officially launched at IWRA's 2017 General Assembly Meeting in Cancun in June. Periodic improvements to the main website have been carried out. The old platform however continues to host the more complex Member Space, which is scheduled to be transitioned to a more modern and user-friendly platform in 2018. Since June, IWRA's website received over 74,500 visitors and more than 260,000 visits. The most visited webpages included the Homepage (91,173 visits), Member Space (2,991), Executive Board page (1,612) and Smart Water Management page (1,014). Facebook and Google were the top referring sites or most used search engine referrals.

9. PROJECTS

In 2017 IWRA started to develop a more robust project portfolio. The motivation for this is to raise funds, to engage better on specific issues with our partners/members, and to draw on the knowledge and expertise that exists within IWRA. This approach will reinforce our mission to improve and expand the understanding of water issues through education, research and information exchange, and to continually improve water resource decision-making by improving our collective understanding of the physical, ecological, chemical, institutional, social, and economic aspects of water. To support these projects, two IWRA Task Forces were set up in 2017, one for the SWM project and one for the Water Quality project described below. Both Task Forces were set up through open calls for expressions of interest to the IWRA membership. Out of the applications that were received, 12-15 members who have demonstrated expertise in the relevant subject area were selected for each Task Force. It is planned to initiate one or two more Task Forces in 2018 following an assessment of how the current ones operate.

■ Smart Water Management (SWM)

Following a special session held at the XVI World Water Congress on Smart Water Management (SWM), IWRA and K-water formally commenced a joint project with the objectives to:

- Showcase exemplary SWM cases from around the world
- Provide insights into the benefits of SWM technologies for current water challenges
- Share the enablers and barriers for SWM implementation
- Identify the contribution SWM can offer in achieving the SDGs

The report, due for publication towards the end of 2018, will also provide an overarching policy framework to support future SWM implementation in both developing and developed countries. The report is expected to cover the following case studies, agreed at the end of 2017:

- **Australia** – Water quality and quantity for environmental flow and ecosystems
- **Azerbaijan** – Water quality and access
- **Canada** – Storm water management and data collection
- **China** – Groundwater modelling and community engagement
- **France** – Water quality and flood protection for sanitation and ecosystems in Paris
- **France, Spain, UK, Netherlands** – Water quality, leak detection and community engagement
- **Mexico** – Water quality, leak detection and community engagement
- **South Korea** – Water quality, leak detection, water access, community engagement, floods, droughts, etc.
- **Tanzania, Mozambique and Botswana** – Efficient irrigation and agricultural innovation platforms



■ Water Quality

IWRA, as a member of the World Water Council (WWC), was the Champion for Theme 3.3, “Ensuring Water Quality from Ridge to Reef” at the 7th World Water Forum and resulting Action Monitoring System (AMS). The AMS is a key outcome of the 7th World Water Forum and forms the basis for the Road Map to Brasilia for the 8th World Water Forum. To this end the Executive Director attended the 2nd Stakeholder Meeting held in June in Brasilia for the 8th World Water Forum. The format of the thematic process has changed, but IWRA remains the Topic Lead for “Ensuring Water Quality from Ridge to Reef”, which now sits under the Theme of Ecosystems, Water Quality, Ecosystems, Livelihoods and Biodiversity.

Furthermore, with WWC support, IWRA has continued to develop a Global Compendium of Water Quality Guidelines for Different Uses, building on the work initially undertaken with ONEMA. This work will extend into 2018 and is hoped to lead to a bigger collaborative project with other partners also working in this area, including UNEP, IWA, AfB, and OECD.

■ Collaboration on External Projects

In addition to these main projects, IWRA has continued its affiliation with and support for a number of ongoing projects. These include:

- **#ClimatelsWater Initiative**

IWRA has been working with a coalition of organisations to support the development of the #ClimatelsWater initiative, focussing on communications and governance. This project is financed by the World Water Council (WWC), and principally coordinated by the French Water Partnership (FWP). Other key partners include the Alliance for Global Water Adaptation (AGWA), the International Network of Basin Organizations (INBO), the International Union for Conservation of Nature (IUCN), the Stockholm International Water Institute (SIWI), the French Water Academy, the United Nations Economic Commission for Europe (UNECE), the Moroccan Ministry of Water, the United Nations Educational, Scientific and Cultural Organization (UNESCO), the Women for Water Partnership, and Water Aid.

- **UN Water’s World Water Day & World Toilet Day**

IWRA is a partner of UN Water. IWRA has supported the UN Water and UN Toilet days with webinars in 2017, on the theme of “Wastewater”. The aim was to help raise awareness internationally and inspire action from multiple actors on the role wastewater can play in water management and as a resource for other uses. This built on 2016’s theme of sanitation and jobs. IWRA also participates in UN Water’s “The Pipe” meetings focussed on communication around water issues.

- **OECD’s Water Governance Initiative (WGI)**

IWRA has been supporting the OECD’s Water Governance Initiative, an international multi-stakeholder network of members from the public, private and non-for-profit sectors gathering twice a year to share good practices in support of better governance in the water sector. IWRA sits in the working groups for indicators and best practice. IWRA attended meetings in Rabat, Paris and Vienna in 2017, as well as offering the WGI to edit a Special Issue of *Water International* to cover this important subject. IWRA Executive Board member Aziza Akhmouch led the secretariat for the WGI since its inception until the end of 2017.

- **WWC’s Integrated Water Resource Management (IWRM) Task Force**

IWRA sits on the World Water Council’s Integrated Water Resource Management (IWRM) Task Force. One of the aims is to try to identify examples of case studies and good practices that can be replicated to implement IWRM. This is also an opportunity to engage with the broader IWRA membership.



- **Water Energy Food (WEF) Nexus Task Force**
Rabi Mohtar from Texas A&M is leading a task force on the WEF Nexus. Following a Special Issue of *Water International* released in 2016, IWRA continues to support this Task Force, holding a high-level panel in Cancun, attended a planning meeting held in Stockholm during the World Water Week in 2018, and preparing a special session for the 8th World Water Forum.
- **SIWI's Source to Sea (S2S) Platform**
IWRA is an active partner in this multi-stakeholder initiative that helps freshwater, coastal and marine experts to contribute to global knowledge generation on source-to-sea interconnections, connect and engage in collaborative projects, promote best practices, and take collaborative action to improve the management of land, water, coastal and marine linkages. The S2S Platform held a Special Session at the XVI World Water Congress in Cancun, supported by IWRA.

10. EVENTS

■ 1st Asia International Water Week (AIWW) & 2017 Korea International Water Week (KIWW)

In September IWRA participated in the combined 1st AIWW and the 2017 KIWW, which were convened together in Gyeongju, Republic of Korea. The theme for AIWW was “Water Partnership for Sustainable Development” and the theme for KIWW was “Water and Waste; Reduce and Reuse”. IWRA was well represented at both events by the Executive Office, as this event was an opportunity to promote not only the outcomes of the XVI World Water Congress, but also to promote the XVII World Water Congress planned to take place in Korea in 2020, as well as the SWM project with K-water. IWRA participated in panels for sessions on “Smart Water Management”, “Water and Green Growth”, and the “Implementation Roadmap”. The Executive Director was again a judge on the evaluation committee for the “World Water Challenge 2017” competition. IWRA had a stand in the exhibition area and held numerous bilateral meetings.

■ Stockholm World Water Week (SWWW)

This year IWR had more limited representation at SWWW. The Executive Director and IWRA Treasurer were both present at the 2017 World Water Week in Stockholm. The 2017 theme was “Water, Jobs and Sustainable Growth”. While the IWRA did not host any sessions this year, it did participate in a number of events/meetings. For example:

- 27th UN Water meeting
- Water and Green Growth session
- Smart Water Management session
- WEF Nexus planning meeting
- 8th World Water Forum Thematic Commission meeting
- Bilateral meetings (MOLIT, Water LEX, K-water, Source to Sea, #CIW, & CONAGUA)

Executive Board Member	Position (May 2018)	13/01 /2016	16/02 /2016	02/05 /2016	19/07 /2016	08/11 /2016	11/01 /2017	29/03 /2017	28/05 /2017	06/09 /2017	06/12 /2017	22/03 /2018	05/07 /2018	19/09 /2018	12/12 /2018	Total Attendees (per person)	Total Apologies (per person)
Patrick Lavarde	President	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes				11	0
Doğan Altınbilek	Past President	Yes	Yes	No	Yes	No	Yes	Yes	No	Yes	Yes	Yes				8	3
Naim Haie	Vice-President	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	No	No				8	3
Yuanyuan Li	Vice-President	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	No	No	No				7	4
David Molden	Vice-President	Yes	No	No	Yes	Yes	No	Yes	No	Yes	Yes	No				6	5
Guy Fradin	Secretary General	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes				11	0
Renée Martin-Nagle	Treasurer	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes				11	0
Henning Bjornlund	Scientific, Technical & Publications Committee Chair	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	No	No	Yes				8	3
Gary Jones	Membership Committee Chair	No	Yes	Yes	Yes	No	Yes	Yes	No	Yes	Yes	Yes				8	3
James (Jim) Nickum	Awards Committee Chair	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No				9	2
Aziza Akhmouch	Director	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No	No	Yes				7	4
Mukand Babel	Director	Yes	No	No	No	No	No	No	No	No	No	No				1	10
Carl Bruch	Director	Yes	No	Yes	No	No	Yes	Yes	No	No	No	No				4	7
Bruce Currie-Alder	Director	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	No	Yes				9	2
Guillermo Donoso	Director	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	Yes	Yes				8	3
Jun-Haeng Heo	Director	No	Yes	No	No	No	No	No	Yes	No	No	Yes				3	8
Frederick Lee	Director	Yes	No	No	No	No	Yes	No	No	No	No	No				2	9
Ahmet Mete Saatçi	Director	Yes	Yes	Yes	Yes	No	Yes	Yes	No	No	No	No				6	5
Raya Stephan	Director	No	Yes	Yes	Yes	No	Yes	Yes	Yes	No	Yes	No				7	4
Philippus Wester	Director	Yes	No	Yes	Yes	Yes	Yes	Yes	No	Yes	No	No				7	4
Gabriel Eckstein	XVI WWC ISC Chairperson	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No				8	3
Total Attendees (per meeting)		17	15	14	17	11	17	16	11	11	10	10					
Total Apologies (per meeting)		4	6	7	4	10	4	5	10	10	11	11					