

# GET-TOGETHER

10 May 2023, 13:00 BST



**YOUNG WATER  
PROFESSIONALS**

## Engagement of YWPs in IWA Specialist Groups



## EVENT INFORMATION

- Post questions using the chat function and feel free to introduce yourselves briefly to one another!
- Mute / camera in the bottom left corner.
- No need to share screen as slides have been added to this presentation.
- This event will be recorded and made available “on-demand” on the IWA Connect Plus, with presentation slides, and other relevant information.



# MODERATORS & RAPPOREUR



**Isabela Espindola**  
IWA Membership  
Engagement Senior Officer



**Claudia Prehn**  
IWA YWP Steering  
Committee/IWA YWP Ecuador  
Chapter



**Nam Ngo**  
IWA YWP Steering  
Committee

# PANELISTS



**Rachna Sarkari**  
IWA Membership  
Engagement Officer



**Gary Wyeth**  
IWA Water Loss  
Specialist Group



**Ulf Jeppsson**  
IWA Modelling and  
Integrated Assessment  
Specialist Group



**Raziye Farmani**  
IWA Intermittent Water  
Supply Specialist Group



**Stuart Ramilton**  
IWA Water Loss  
Specialist Group



**Janelcy Alferes**  
IWA Instrumentation,  
Control and Automation  
Specialist Group

# AGENDA

## Part 1 - Opening

- 13:00 – 13:05: Welcome, introduction and meeting objectives (Isabela Espindola)

## Part 2 – Presentations

- 13:05 – 13:15: Opportunities for YWPs in IWA Specialist Groups (Rachna Sarkari )
- 13:15 – 13:25: Intermittent Water Supply SG (Raziyeh Farmani)
- 13:25 – 13:35: Modelling and Integrated Assessment (MIA) SG (Ulf Jeppsson)
- 13:35 – 13:45: Water Loss SG (Stuart Hamilton & Gary Wyeth)
- 13:45 – 13:55: Instrumentation, Control and Automation (ICA) SG (Janelcy Alferes)

## Part 3 – Discussion and Conclusion

- 13:55 – 14:25: Q&A and discussion (all speakers – Nam Ngo & Claudia Prehn)
- 14:25 – 14:30: Closing remarks (Claudia Prehn & Isabela Espindola)

# IWA Specialist Groups: the engine of IWA

RACHNA SARKARI, IWA MEMBERSHIP ENGAGEMENT OFFICER - SG



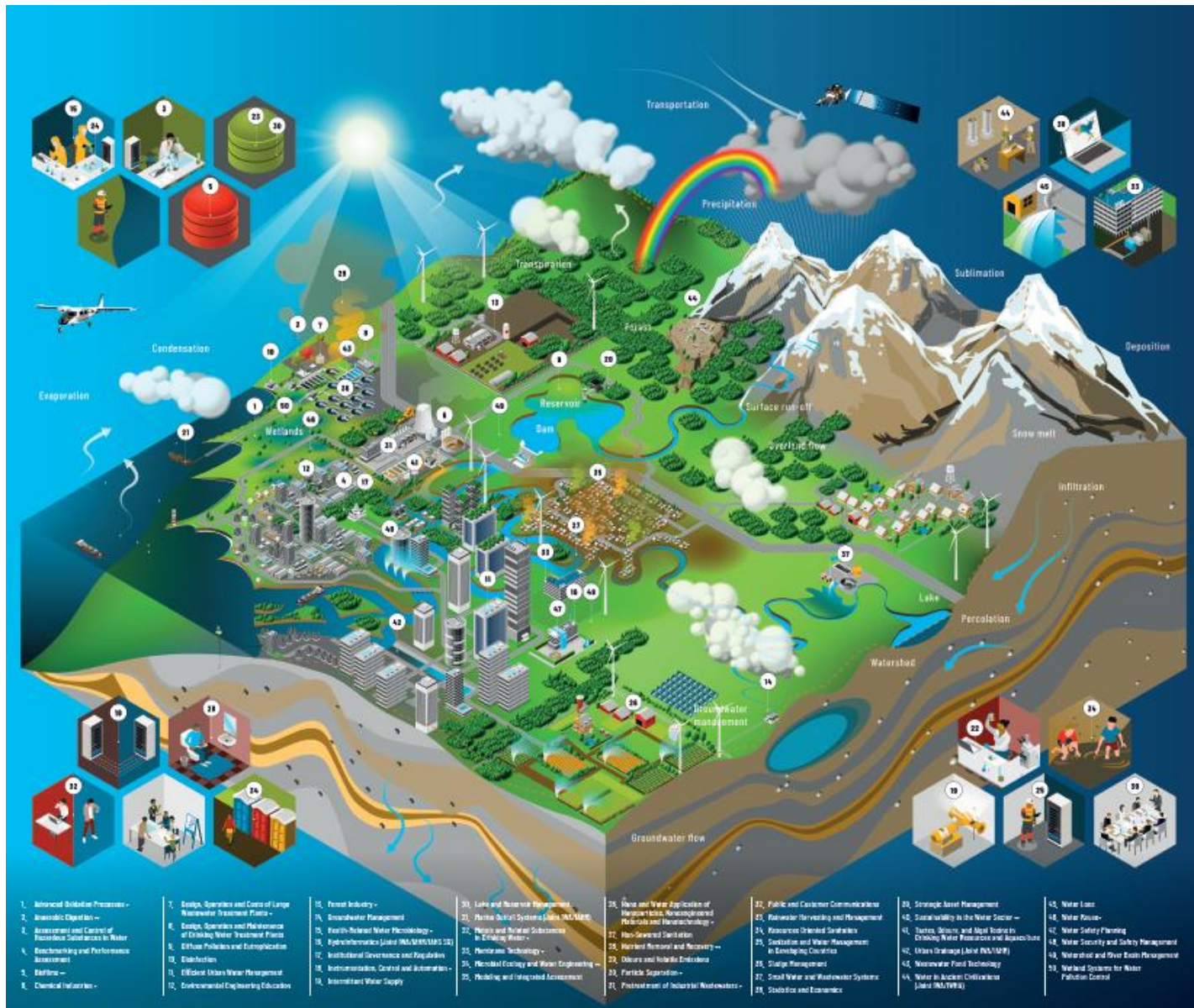
# IWA SPECIALIST GROUPS



Specialist groups (SGs) connect people from **across disciplines** and **across national boundaries** to **accelerate the science, innovation and practice** that can make a difference in addressing water challenges and pushes the sustainability agenda.

Spread across IWA's membership in more than 140 countries, SGs are an effective means of international networking, sharing information and skills, and making professional and business contacts.

# SPECIALIST GROUPS: THE ENGINE OF IWA!



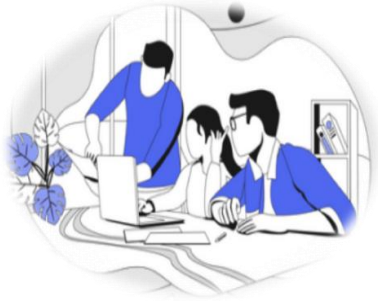


# IWA SPECIALIST GROUPS: OPPORTUNITIES FOR SG MEMBERS



IWA members can join up to 51 Specialist Groups and contribute to the SGs by engaging in discussion with the other members, join the SG Management Committee, provide support during SG events etc.

## HOW TO GET INVOLVED IN SG?



SGs are self-managed communities for IWA members, gathered under specialised topics

Here you can contribute to:

- Contact the Chair to express your active interest to be involved MC meetings/ in an event / editing the SGs newsletter etc.
- Review papers (if you do not have experience, express your interest to learn
- SG publications (submitting content to newsletters; reviewing conference papers, co-authoring book chapters)
- SG events (from webinars to regional workshops and international conferences)
- Leadership role to the management and organisation of group activities and specialised conferences
- Become an active contributor of knowledge on IWA Connect Plus & stay tuned on the latest news, resources and posts shared

# Intermittent Water Supply Specialist Group

RAZIYEH FARMANI, CHAIR



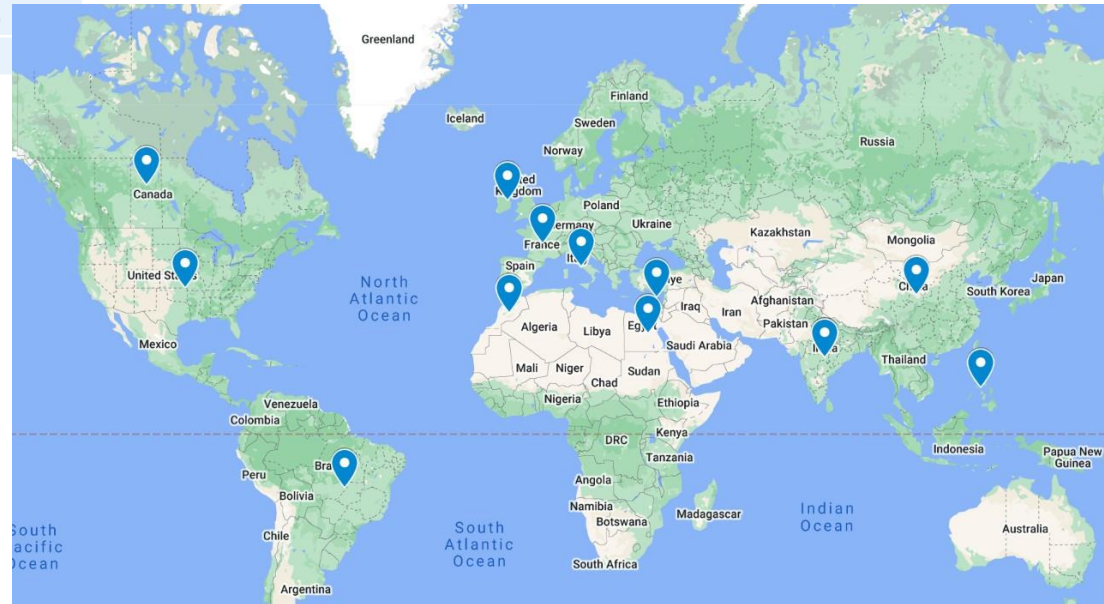
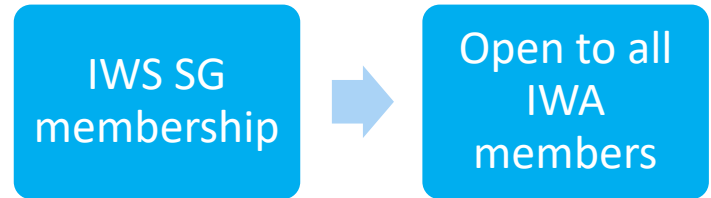
## INTERMITTENT WATER SUPPLY

A piped Water Supply System which delivers water for less than 24 hours in a day or a few days a week.

- The **objective** of the Intermittent Water Supply Specialist Group is:
  - **to research and advance knowledge** in Intermittent Water Supply to water professionals and industry, utilities and employees, and community representatives at all levels of government, including national and international agencies.
  - To **improve the operational conditions and management** of water supply networks under intermittent supply with the ultimate goal of providing continuous supply to all consumers.

# IWS SG MANAGEMENT COMMITTEE MEMBERS

<b>Raziyeh Farmani</b>	<b>Chair</b>	UK
<b>Joe Dalton</b>	<b>Secretary</b>	Ireland
Bambos Charalambous		Cyprus
Hassan Aboelnga	YWP	Egypt
Assia Mokssit	YWP	France
David Meyer		Canada
Emily Kumpel		USA
Pradip Kalbar		India
Alessandro Bettin		Italy
Yukun Hou		China
Yang Villa	YWP	Philippines
El Hassane Ben Ahmed		Morocco
Anand Kumar Jalakam		India



# IWS SG MANAGEMENT COMMITTEE MEMBERS



- Prepare newsletters of Group activities and developments
- Convene conferences and workshops
- Initiate research papers and investigations
- Coordinate publication of articles, guides and manuals on related topics
- Facilitate communication and interaction between members with IWA Connect
- Encourage the promotion of science, technology and practice development of the IWS field through the Source magazine, blogs, short articles, etc.

## IWA INTERMITTENT WATER SUPPLY SPECIALIST GROUP NEWSLETTER



April 2023

### Contents:

Foreword

Aqua Journal Special Edition on IWS

IWS and Water Quality

IWS Webinar Series

News, Projects, Activities & Issues

News of Forthcoming Events

News from IWA HQ

News from IWA Publishing

IWA Learn

Write to Us

Become a Member of the IWS SG

### Editor:

Joe Dalton

[joe.e.dalton@gmail.com](mailto:joe.e.dalton@gmail.com)

### Communications Committee:

Raziyeh Farmani (*IWS SG Chair*)

Assia Mokssit

Hassan Aboeinga

Contributions from anyone are welcome!

## FOREWORD

Dear members of the IWS SG,

In this Newsletter we report on the imminent publication of a Special Edition on Intermittent Water Supply of the [Aqua: Water Infrastructure, Ecosystems and Society Journal](#), published by IWA Publishing.

We have restarted our IWS webinar series. Our first webinar in 2023 was on the drain of intermittency with a call for change. Our next webinar is on the impact of IWS on water quality. An interview with the presenter is featured in this Newsletter. All of the webinars are available to view on our [YouTube page](#).

Any readers interested in delivering a webinar on IWS should contact any member of the IWS SG Communications Committee. We would be very happy to receive any webinar suggestions.

We report from recent events including the 2022 IWA Water Loss Conference and the 2023 Indian Water Works Association Convention.

Happy reading,

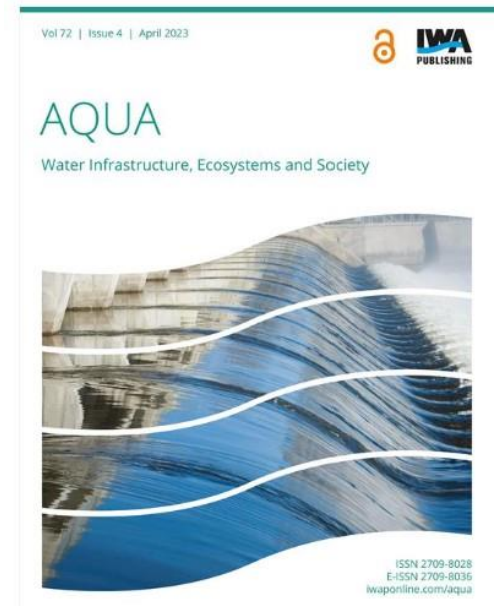
Joe Dalton, IWS SG secretary

### ■ IWA Source Magazine

- Challenges and opportunities around IWS under COVID-19, 2021
- Intelligent Driven Supply performance, 31 January 2023
- Global Intermittent Water Supply (to be published soon)

### ■ IWA Journals

- Intermittent Water Supply and their resilience to COVID-19: IWA IWS SG survey
- Special Issue Intermittent Water Supply: Challenges, Opportunities and Solutions (to be published soon) in Aqua: Water Infrastructure, Ecosystems, and Society



- Last Wednesday of each month at 1pm (UK time)
- Intermittent Water Supply Specialist Group Youtube
  - <https://www.youtube.com/channel/UC6Fbg0umPsP7rnhO78Z5qKA?app=desktop>
- If anyone would like to present an IWS webinar, please contact:
  - Raziye Farmani, [r.farmani@exeter.ac.uk](mailto:r.farmani@exeter.ac.uk) (IWS SG Chair)
  - Joe Dalton, [joe.dalton@gmail.com](mailto:joe.dalton@gmail.com) (IWS SG Secretary)



# IWA Modelling and Integrated Assessment Specialist Group

ULF JEPSSON, CHAIR



# ABOUT SG ON MODELLING AND INTEGRATED ASSESSMENT (MIA)

*“This SG targets people from research, consulting companies, institutions and operators to think along **the use of models and computing tools to support the understanding, management and optimization of water systems.**”*

## PRIORITIES

- Interact with other IWA SGs and other professional organizations
- Organize specialized conferences, sessions, workshops, webinars
- Engage and activate YWPs in the domain

**CURRENTLY 2200 MEMBERS**

## How to find



Website: <http://iwa-mia.org/>



Website: <http://iwa-mia.org/>

<https://iwa-connectplus.org>

## GENERAL ACTIVITIES BY MIA SG

- Spread information of the Group's activities and developments
- Convene conferences and arrange workshops/webinars
- Initiate research and case studies, produce special papers
- Stimulate initiation and host Task Groups and Working Groups
- Interact and streamline activities with other IWA SGs, as well as with other academic and professional organisations
- Start SG-internal committees on specific emerging topics of interest
- Work for the benefit of our members, assist IWA HQ on issues

# ACTIVITIES

## Task Groups (TGs)

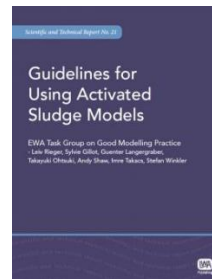
- Benchmarking of Control Strategies (BSM) **AND** Good Modelling Practice (GMP) **AND** Design and Operations Uncertainty (DOUT) **AND** Use of Modelling for Minimizing GHG Emissions (GHG) **AND** Generalised Physicochemical Modelling (PCM) (all five finished)
- Membrane Bioreactor Modelling and Control (MBR)
- Good Modelling Practice in Water Resource Recovery Systems (GMP2)

## Working Groups (WGs)

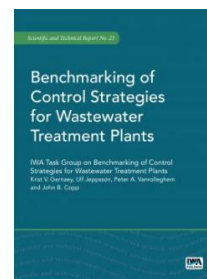
- Integrated Urban Water Systems (IUWS)
- Computational Fluid Dynamics (CFD)
- Good Modelling Practice (GMP)

## Conferences / Events

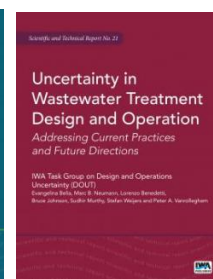
- WRRmod
- Watermatex



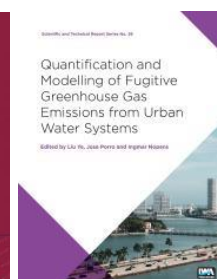
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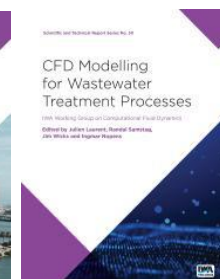
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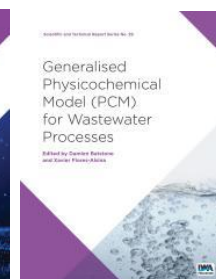
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(2021,  
open access)



STR  
(2022,  
open access)



STR  
(2022)



STR  
(2022,  
open access)

# UPCOMING EVENTS BY MIA SG

## 11<sup>th</sup> Symposium on Modelling and Integrated Assessment ([Watermatex2023](#))

- Location: Québec City, Canada, 23-27 Sept. 2023
- Chair/vice-chair: Prof. Peter Vanrolleghem (Univ. Laval)/Dr. Elena Torfs (Univ. Ghent)



## 9<sup>th</sup> Water Resource Recovery Modelling seminar ([WRRmod2024](#))

- Location: Notre Dame, Indiana, USA, 6-10 April 2024
- Organisers: Adrienne Menniti, Leon Downing, Tom Johnson, Rob Nerenberg
- **CALL FOR WRRmod2026 soon to appear**



# UPCOMING EVENTS BY MIA SG



**19 MAY 2023**  
**10:00 CEST**

**IWA Specialist Group on Modelling and Integrated Assessment Webinar Series**

## Generalised Physicochemical Model (PCM) for Wastewater Processes

**Speakers**

 Ulf Jeppsson Lund University	 Damien Batstone The University of Queensland, Australia	 Kimberly Solon Ghent University, Belgium	 Sylvie Gillot INRAE, France	 Christian Kazadi Mbamba The University of Queensland, Australia	 Xavier Flores-Alsina University of Denmark, Denmark	 Paloma Grau University of Navarra, Spain	 Tamara Fernández- Arévalo CEIT, Spain
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 The webinar is going to be recorded and shared on the MIA SG Youtube channel afterward.

MIA webinar no. 16

[Register here!](#)

# FIND MIA SG ON SOCIAL MEDIA



<https://www.iwaconnectplus.org/>



<https://www.linkedin.com/company/iwa-mia-specialist-group-on-modelling-and-integrated-assessment>



[https://twitter.com/iwa\\_mia\\_sg](https://twitter.com/iwa_mia_sg)

– MIA SG open web site

<http://iwa-mia.org>

Newsletters, push messages, [MIA YouTube channel](#), digital archive

# ORGANISING THE WORK WITHIN MIA



- Monthly electronic MC meetings (1 hour)
- Tri-monthly focused YWP meetings + mentoring
- Open MIA SG meeting at major conferences (1/yr)
- Closed MIA MC meeting at major conferences (1/yr)
- Short newsletter (generated from IWA\_ConnectPlus)
- Posting news on IWA\_ConnectPlus
- Manage open MIA website for non-IWA members
- Produce MIA part of the IWA Global Trend Report series
- Close collaboration with IWA HQ, IWA SC2SG and IWA Learn
- Strong focus on TGs and WGs
- Organise conferences and workshops (IWA/MIA events)
- Organise workshops or sessions at non-IWA/MIA conferences (SETAC, IFAC)
- Organise webinars
- Create MIA visibility on social medias (LinkedIn, Twitter, YouTube)
- **Create friendships**
- **Remember face-to-face social activities**



# MIA MANAGEMENT COMMITTEE

- “Time is the enemy” – ALL SG WORK is VOLUNTARY!
- Dedicated MC members essential
- MC: 14 senior members (+ outgoing chair) & 14 **associated YWPs** working in teams

- **MC** more **ACTIVE** and **DYNAMIC**
- Higher work **CAPACITY**
- Create **OPPORTUNITIES** for YWPs

Across  
11 Countries  
19 Institutions



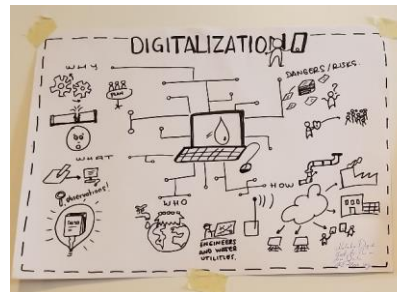
## HOW ARE YWPs INVOLVED IN MIA SG (MC FOCUS)?

### Active program to fully engage, mentor and involve YWPs

- Every “full” MC member (14) teamed up with an associated YWP
- Teams made up from different research groups
- Senior MC members take on mentoring role
  - Train YWPs in leadership
  - Actively involve YWPs in MC activities
  - Add YWPs to international networks
- Associated YWPs can grow into full members if/when position opens up
- YWPs make up 40-50% in Scientific committees for MIA conferences
- Reviewing in teams (senior/YWP)
- MIA MC currently looking for some new YWPs

# INITIATIVES OF ASSOCIATED YWPs

- TG/WG liaisons: YWPs form direct link between MC and TG/WGs
- Tri-monthly separate YWP meeting discussing ongoing activities and new initiatives + mentoring
- (Co-)organization of workshops
  - Integrated modelling workshop at YWP conference Toronto
  - YWP workshop at Watermatex 2019, Watermatex2023
  - YWP workshop at WRRmod2021, WRRmod2022+, WRRmod2024



# INITIATIVES OF ASSOCIATED YWPs

## ▪ MIA INTERNAL YWP SEMINARS

- To present their background, current research and seek an opportunity for potential collaboration



## ▪ MIA SG NEWSLETTER

- Newsletter for MIA members once in 3 months through IWA-ConnectPlus

## ▪ SUPPORTING LOCAL YWP CHAPTERS



## ▪ NETWORKING EVENTS WITH IWA SPECIALIST GROUPS YWPs

- In planning phase



## ▪ YWP SEMINARS OPEN TO ALL YWPs

- Seminars are being planned in the field of MIA and networking event

# Water Loss Specialist Group

GARY WYETH, SECRETARY  
STUART HAMILTON, CHAIR



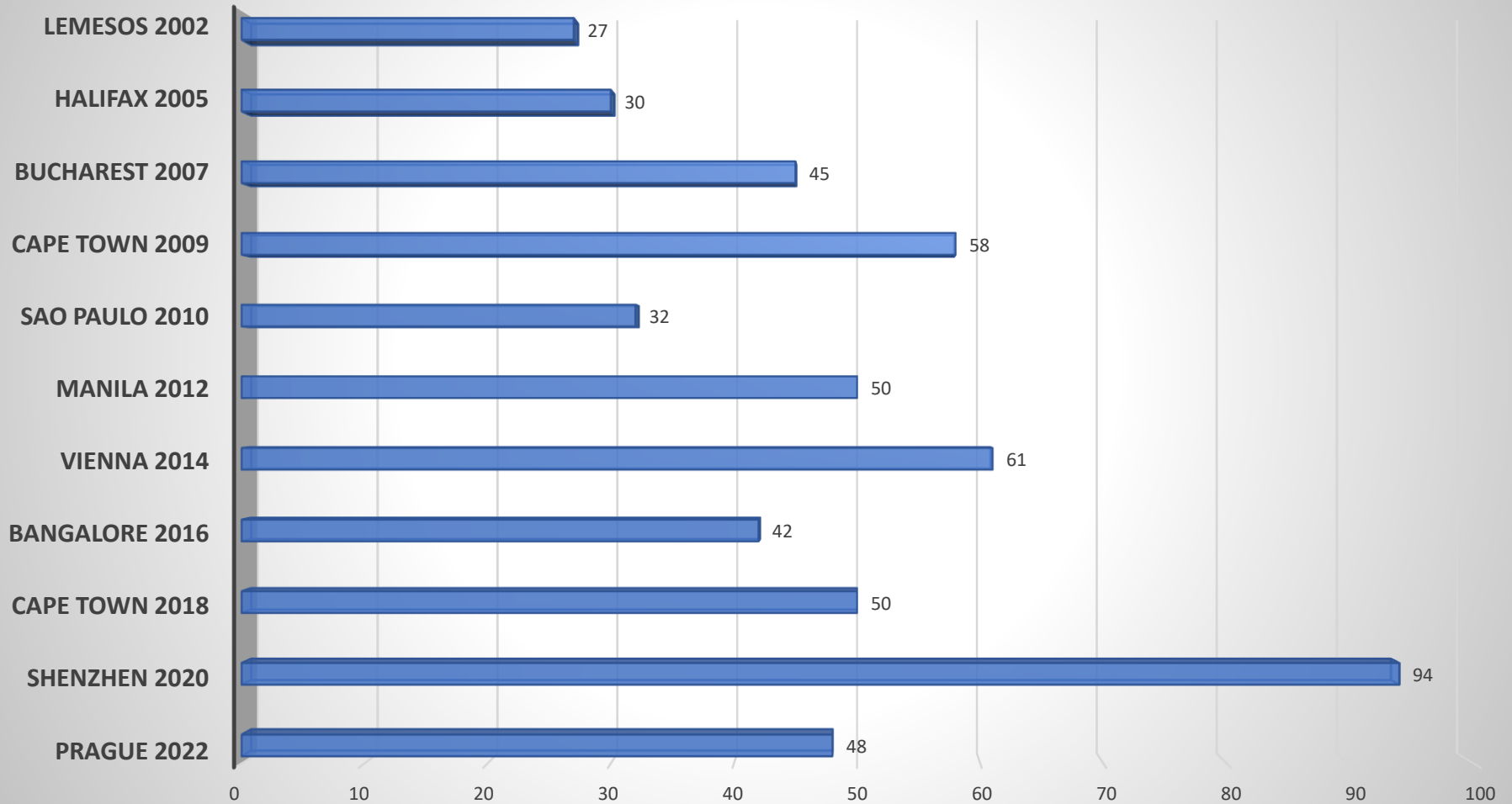
## THE TEAM



- Chair: Stuart Hamilton – UK
- Secretary: Gary Wyeth – Thailand
- Management Committee – 20 members 17 countries
- Country Representatives – 15 (continuously increasing)
- Over 1500 IWA Connect WLSG members
- Over 4000 active members promoting Water Loss
- Represented in over 60 countries

# PREVIOUS CONFERENCES

## Countries Represented



“to provide leadership in the development of effective and sustainable international best practice in water loss management”

“to develop best practices in water loss management”



## KEY OBJECTIVES AND OUTLINE (1)

- Introduce new and young talent to the WLSG
- Encourage and promote gender balance across all activities delivered by the WLSG
- Create relationships and sharing of knowledge with water Associations around the world
- Build relationships with funding institutions, such as World Bank, to assist them in promoting and investing in best practices to reduce water loss

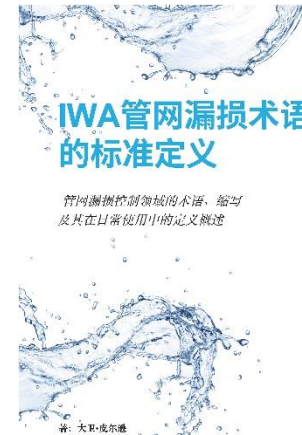
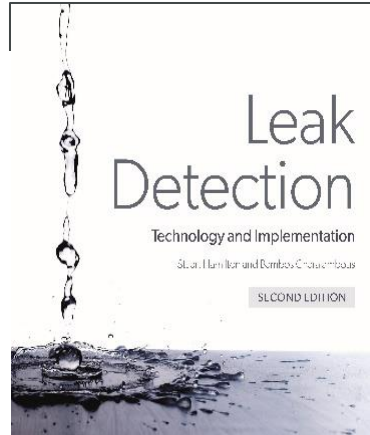
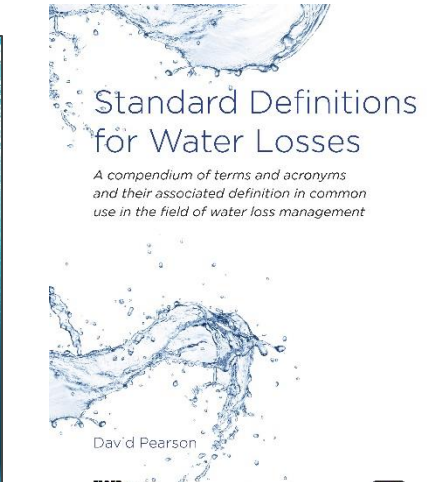
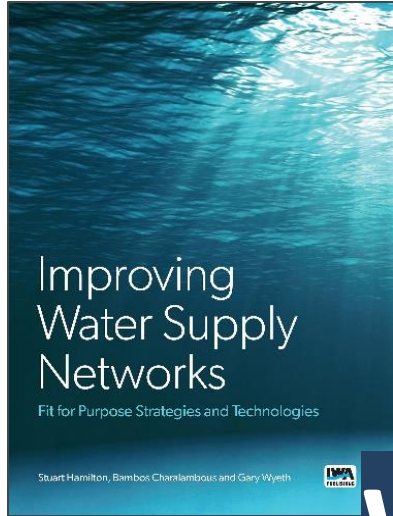
## KEY OBJECTIVES AND OUTLINE (2)

- Investigate new best practices in water loss management
- Update all existing documents & processes and distribute
- Seek to promote new technologies from around the world
- Promote regional conferences and awareness programs

## DELIVERABLES

- Distribute all knowledge gained by means of electronic communications
- Promote all findings through conferences
- Encourage free sharing of data
- Share software and spreadsheets to allow everyone to benefit

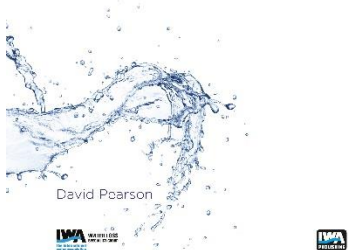
# BOOKS PUBLISHED, SPREADSHEETS DEVELOPED AND WEBINARS DELIVERED



## WB-EasyCalc 😊

The free water balance software

Version 6.15 (24 July 2021)



## Water System Improvement Calculator

Based on the Water System Improvement Matrix Methodology

## TAKE HOME MESSAGE

- Its not about being the best but being better than yesterday
- Albert Einstein is credited for saying “The definition of Insanity is doing the same thing over and over again and expect a different result” – make that change that matters
- Be as wild as you like looking for innovation – just be disciplined during the implementation
- The WLSG is there to help and we are one big family – don’t be afraid to ask

**Thank you!**

Stuart Hamilton:

[stuart.hamilton@miya-water.com](mailto:stuart.hamilton@miya-water.com)

Gary Wyeth:

[garywyeth@me.com](mailto:garywyeth@me.com)

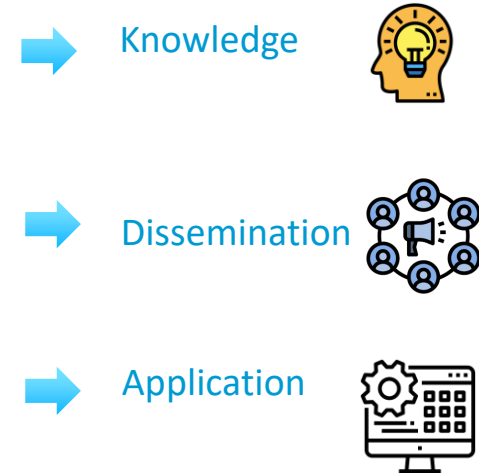
# Instrumentation, Control and Automation Specialist Group

JANELCY ALFERES, CHAIR



# OBJECTIVES

- International discussion forum to collect, exchange methodologies & experience in all aspects of ICA for water systems
- Collect, summarize and publish practical experience to support and promote the use of ICA in practice
- Highlight socio-economic and sustainability aspects of ICA. e.g. management problems, operator aspects or incentive systems





## ORGANIZATION



- Open to all IWA members
- Management Committee (MC) is composed of the chair, the vice-chair and up to 10 IWA members, each fulfilling a role
- Monthly web meetings
- Dedicated working/brainstorming sessions when needed

# ORGANIZATION

- Management structure



Janelcy Alferes	Yanchen Liu	Ángel Robles	Oscar Samuelsson	Ramesh Saagi	Luz Alejo	Niels Nicolai
Chair	Vice-chair/secretary	Liaison IWA clusters, SG, WG, TG & event coordinator	Content manager for Newsletter, website, Liaison officer Industry & Utilities	Newsletter editor and public relations coordinator	Smart water and wastewater systems	YWP Relations officer & IWA connect and website manager



Liu Ye	Nataliia Sivchenko	Pau Juan	Alexandria Gagnon	Tri Le	Yu Jie
ICA conference, webinars	Affiliated YWP	Affiliated YWP	Affiliated YWP	Affiliated YWP	Affiliated YWP

# ACTIVITIES

- Updating IWA Connect & social media with relevant information
- Group newsletters (which can be found on the SG's IWA Connect page)
- Organising and supporting conferences & workshops
- Supporting Task Groups, Working Groups & Clusters
- Organising webinars
- Encouraging publications of ICA related papers at conferences and in scientific journals.
- Leveraging partnerships and relationships with industry organization with overlapping missions, such as the Smart Water Network Forum.



# ACTIVITIES

## ■ IWA Connect Plus

Search ICA under  
“Search” to go to the  
ICA group page

Click “Join group”




Any questions or issues about joining  
in ICA group on IWA connect, please  
contact

Dr. Niels Nicolai

[Niels.Nicolai@gci.ulaval.ca](mailto:Niels.Nicolai@gci.ulaval.ca)

**Community | IWA communities and their work are at the heart of the Association, reflecting the breadth and depth of the water sector globally.**













As an IWA member you gain direct access to a diverse, global network of professionals working across a range of specialised topic areas; through networking, collaboration and exchange of knowledge you will obtain the key support and tools to become an active agent of change towards a world of sustainable water management.



**Groups** Events People Corporate / University Members

**Specialist Group** Cluster Group Task Group Governing Member Programs Group Working Group Misc. Young Water Professional

Q Search X Search By Tags All Groups v

 <b>SG Leaders Forum</b> View Group	 <b>Advanced Oxidation Processes</b> View Group	 <b>Anaerobic Digestion</b> View Group	 <b>Assessment and Control of Hazardous Substances in Water</b> View Group	 <b>Benchmarking and Performance Assessment</b> View Group	 <b>Biofilms</b> View Group
 <b>Chemical Industries</b>	 <b>Design Operation and</b>	 <b>Design Operation and</b>	 <b>Diffuse Pollution and</b>	 <b>Disinfection</b>	 <b>Efficient Urban Water</b>

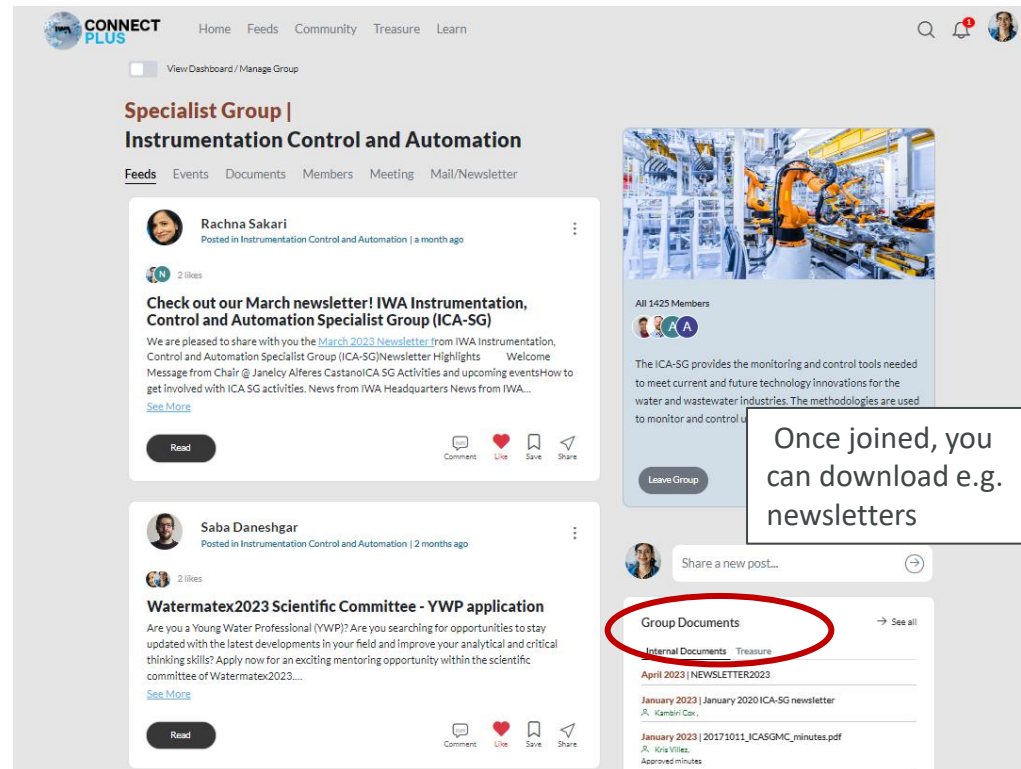
# ACTIVITIES

- IWA Connect Plus

Search ICA under “Search” to go to the ICA group page



Any questions or issues about joining in ICA group on IWA connect, please contact  
**Dr. Niels Nicolai**  
[Niels.Nicolai@gci.ulaval.ca](mailto:Niels.Nicolai@gci.ulaval.ca)



The screenshot shows the IWA Connect Plus interface for the 'Instrumentation Control and Automation' Specialist Group. It includes a navigation bar with 'Home', 'Feeds', 'Community', 'Treasure', and 'Learn'. A search bar and notification icons are in the top right. The main content area displays two posts: one by Rachna Sakari about a March newsletter and another by Saba Daneshgar about a Watermatex2023 Scientific Committee application. On the right, there is a 'Group Documents' section with a red circle around the 'Internal Documents' link. A callout box on the right states: 'Once joined, you can download e.g. newsletters'.

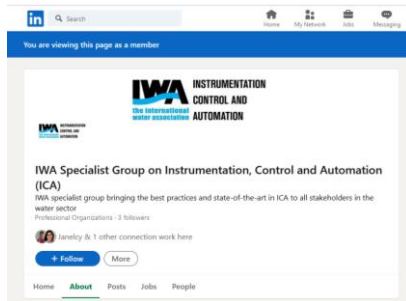
# ACTIVITIES

- Social media

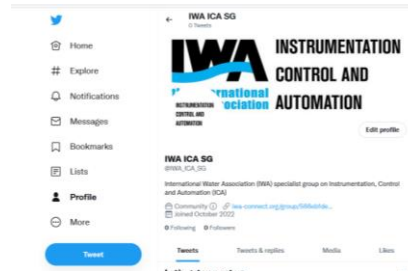
Different of social media platforms



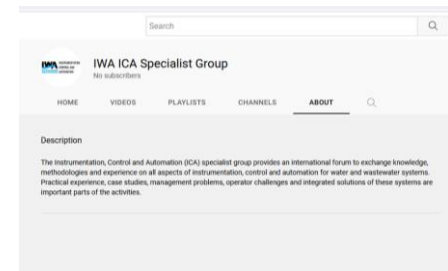
## [LinkedIn](#)



## [Twitter](#)



## [Youtube](#)



# ACTIVITIES

## ■ Newsletter

### Content

- Message from chair
- Welcome to the ICA SG
- Activities
- How to get involved in WG, TG
- Get involved in webinars, clusters
- New projects, activities and issues
- Upcoming events
- PhD thesis
- News from IWA Publishing



**Newsletter editor**  
Ramesh Saagi  
[ramesh.saagi@iea.lth.se](mailto:ramesh.saagi@iea.lth.se)

## IWA SPECIALIST GROUP NEWSLETTER



Janelcy Alferes

March 2023

### Content

- Welcome to the ICA SG
- News, projects, activities & issues
- Upcoming events
- Ph.D. Theses
- News from IWA Headquarters
- News from IWA Publishing
- Write to Us!

### Message from Chair

Dear ICA-SG members,

Welcome to the March 2023 Newsletter of the IWA Instrumentation, Control and Automation Specialist Group (ICA-SG). We present you this updated version in view of providing you at a glance, relevant and interesting information for the ICA community.

We share with you the latest ICA-SG activities, like the participation in the ICA2022 conference in its first digital format. We provide you as well an update on news, projects, event, webinars, publications and upcoming events. Thanks to all contributors!

It is a fact that the traditional ICA is changing, as well as the challenges that the water industry needs to face. In parallel to a required integrated approach, the fast technology evolution and advances on AI are offering more possibilities to monitor and control our water systems for efficient management of the available resources and decision making.

From ICA-SG we want to contribute to this evolution, offering a platform for exchanging knowledge and setup good practices. As an active community, we look forward to hear from you in this regard, feel free to contact us to share any news or interests you want to move forward.

Thanks for your support and your active enrolment within the ICA related activities!

Janelcy Alferes

R&D Project Leader - Monitoring technology & Digital water WaterKlimaHub – VITO

### WRITE TO US!

Editor: Ramesh Saagi  
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Ramesh Saagi

- Reports and white papers

IWA Global trends report



### Three main themes

- I. Innovative Technologies
- II. Water and Health
- III. Resource Recovery and Circular Economy



<https://iwa-network.org/publications/global-trends-and-challenges-in-water-science-research-and-management/>

## 1.2 |

### Trends in instrumentation, control and automation for the water industry

*Authors: Juan Antonio Baeza, Linda Ámand, Joaquim Comas, Oliver Grievson, Pau Juan-García, Yanchen Liu, Angel Robles, Ken Thompson, Kris Villez and Liu Ye on behalf of the ICA Specialist Group*

#### Introduction to instrumentation, control and automation (ICA)

The ICA Specialist Group is an international forum to exchange knowledge, methodologies and experience on all aspects of ICA for water and wastewater systems. ICA aims to provide the monitoring, communication, data analytics, and control tools needed to cope with current and future technological innovations for the water and wastewater industries.

#### Existing knowledge on ICA

ICA is currently applied throughout the urban and rural water systems at source water intakes, drinking water treatment plants (DWTPs), water distribution networks, sewer networks and water resource recovery facilities (WRRFs).

#### Key terminology

What do we understand by ICA? Instrumentation ranges from simple monitoring sensors to complex online analysers. Control means either to bring a process from one status to another or maintain it at its set point. It can be achieved through single-loop controllers for the control of individual unit processes, or more advanced control systems based upon a combination of different control loops or by multi-variable

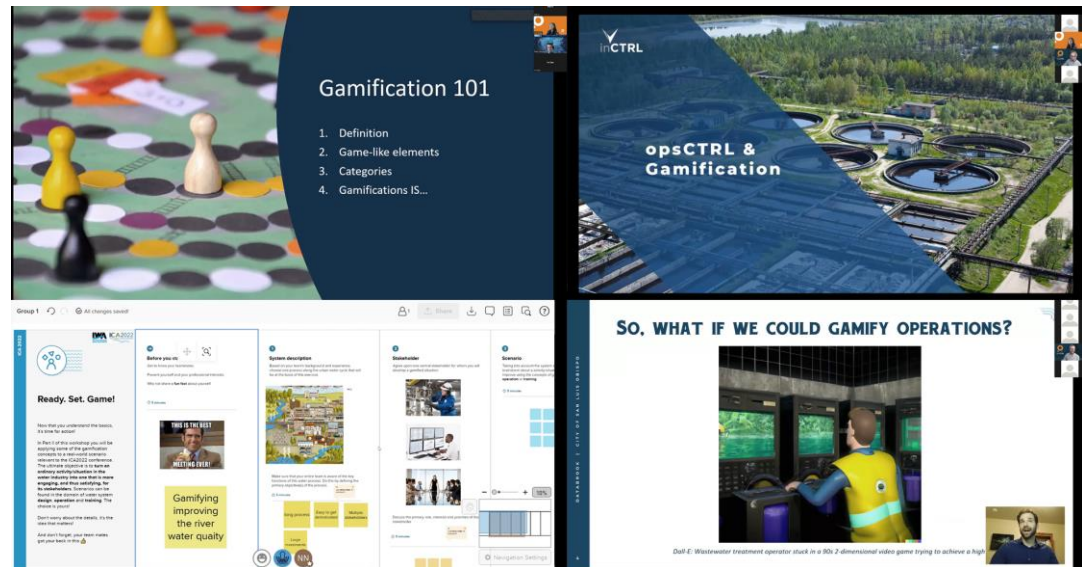
sewer overflows (CSOs) discharged into the environment. Water quality sensors are used in conjunction with sewer models and data analytics to provide insight into pollutants discharged into the collection system that can be harmful to downstream treatment facilities. This information is being used to identify the illegal discharger, and also to divert flows prior to treatment



# ACTIVITIES

- Webinars & workshops
  - Organizing several webinars & workshops per year

YWP workshop @ICA2022  
Conference: Are you game?  
Serious games to support  
future proof water systems



## ACTIVITIES



- Collaboration with companies and organizations interested in the common topics to ICA in the water sector
  - Water Industry Process Automation & Control Group  
WIPAC <https://www.wipac.org.uk/>
  - Smart water network forum  
SWAN <https://swan-forum.com/>

# CLOSING REMARKS

- Working on:
  - Stimulate bridging the gap between needs and applied solutions
  - Strengthen synergies with other SGs and IWA initiatives
  - Extend and activate communication activities through different channels
  - Preparation of webinars and workshops for 2023
  
- What about YWP?
  - Support all activities of the Management Committee (MC): Website, social media, newsletter, events/webinars coordination, all dissemination activities
  - Specific tasks in liaison with the YWP Relations officer
  - Active participation in the MC monthly meeting





# Final remarks

CLAUDIA PREHN AND ISABELA ESPINDOLA



# UPCOMING IWA EVENTS



**WEBINAR**

**WaterProof**  
A rapid return on investment tool for Nature-based Solutions

**IWA**  
the international water association

**17 MAY 2023**  
15:00-16:30 BST

In partnership with:

**The Nature Conservancy**

REGISTER NOW  
[www.iwa-network.org/webinars](http://www.iwa-network.org/webinars)

**PrimeWater** **IWA**  
the international water association

**End User Outlooks on Earth Observation**

**PrimeWater Multi-User Panel & IWA EO CoP Meeting**

**Thursday, 18 May 2023**  
12:00 British Summer Time

"Making PrimeWater a Reality"

**WEBINAR**

**Safely Managed Sanitation**  
Introducing the new WHO learning package  
*Inclusive Urban Sanitation Webinar Series*

**IWA**  
the international water association

**6 JUNE 2023**  
13:00-14:30 BST

In partnership with:

**World Health Organization**

REGISTER NOW  
[www.iwa-network.org/webinars](http://www.iwa-network.org/webinars)

## UPCOMING IWA EVENTS



**IWA**  
the international  
water association

# WATER AND DEVELOPMENT CONGRESS & EXHIBITION

WATER, SANITATION, AND CLIMATE RESILIENCE – KEYS TO A WATER-WISE FUTURE

10-14 DECEMBER 2023 KIGALI RWANDA  
[WWW.WATERDEVELOPMENTCONGRESS.ORG](http://WWW.WATERDEVELOPMENTCONGRESS.ORG)

A square QR code with a white border, located in the bottom right corner of the poster. It is intended for scanning to access the event's website.

## MEMBERSHIP FEE

- IWA uses a high / low-income country classification for its membership fees. The HIC/LIC classification is based on your country of residence and not on your country of origin.
- For more information on the membership benefits please view the [IWA Membership Benefits table](#).

INDIVIDUALS	HIC	LIC
Individual 1 yr	£103	£52
Individual 2 yr	£185	£93
Student/Retired 1 yr	£52	£38
Student/Retired 2 yr	£91	£67



# JOIN OUR NETWORK OF WATER PROFESSIONALS!



IWA brings professionals from many disciplines together to accelerate the science, innovation and practice that can make a difference in addressing water challenges.

Use code **IWAYWP23**

for a **20% discount off**  
new membership.

Join before 31 December 2023 at:

[www.iwa-connect.org](http://www.iwa-connect.org)

inspiring change

