



# Malaysia International Water Convention 2021

First Announcement

**Virtual Event**

20-24 September 2021

**NAVIGATING THE  
FUTURE OF WATER  
IN THE NEW NORM**



[www.miwc.tech](http://www.miwc.tech)

# MIWC 2021 Goes Virtual

A 5-Day Virtual Event Packed with Insights, Sharing of Country Experiences, Effective Workshops, Virtual Technical Tours, Joined by Amazing Water Leaders, and Technology Innovators.

-  **Shifting of Our Thinking**
-  **Beyond the New Normal, A New Era of Growth**
-  **Recharge, Rebuild, Reconnect**

The Malaysia International Water Convention (MIWC) 2021 will take place in a virtual format from 20-24 September. The event is organized by the Malaysian Water Association and supported by Malaysian water authorities and organisations. MIWC is an international space for sharing information, exchanging ideas and country perspectives, showcasing cutting-edge technology and solutions, and paving the way for the water industry towards navigating water in the NewNorm.

In 2019, the 1st edition of MIWC attracted high-level executives from Government, Regulators, Water Operators, Municipalities, Industry, and technology companies, the event gives you the opportunity to connect with decision makers and project owners.





Conference



Workshop



Technical Tour

## Navigating the Future of Water in the New Norm

This global crisis has reinforced the importance of access to safe and reliable water in our fight against COVID-19. It has brought attention to the need for government entities and water systems to consider water reforms under the "new norm" to remain resilient.

If there had been any doubts about the necessity of this course of action, the coronavirus has silenced them. Some utilities have begun their journey. Though transition is not always straightforward, water utilities face significant challenges such as deteriorating infrastructure, lack of funding, and changing climate and demographics, to name a few.

MIWC 2021 journeys with you to explore how the water industry can navigate into the new norm, and turn challenges into opportunities. Within the theme of "navigating the Future of Water in the New Norm", we bring you 10 themes where conversations will be focused on:

### 10 Track Themes



# COVID-19 Accelerated the Digitalization of the Water Industry

Prior to COVID-19, the global water sector was impacted by five major trends:

## 1. Global Warming



Sea levels have risen by about 20 cm (8 inches) since 1880 and are projected to rise another 30–122 cm (1 to 4 feet) by 2100.



As of 2017 humans are estimated to have caused approximately 1.0°C of global warming above pre-industrial levels.

Source: <https://www.undp.org/content/undp/en/home/sustainable-development-goals/goal-13-climate-action.html>

## 2. Emergence of Megacities

Developing countries will dominate megacity growth over the next two decades



Source: Euromonitor International

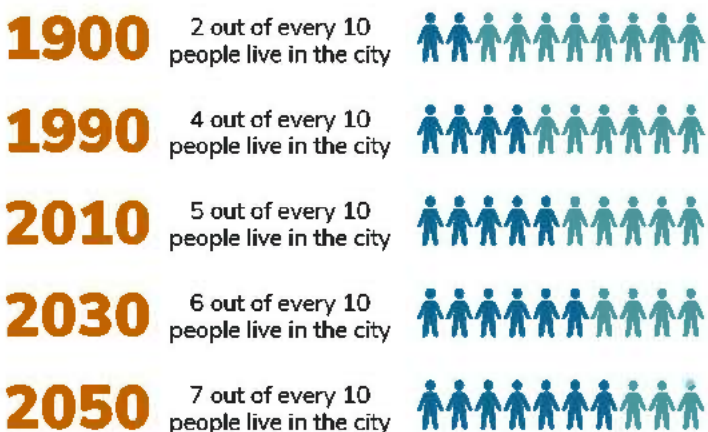
## Year 2050

To limit warming to 1.5°C, global net CO2 emissions must drop by 45% between 2010 and 2030, and reach net zero around 2050.

## \$26 Trillion

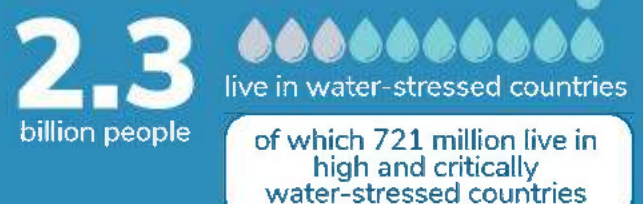
Bold climate action could trigger at least US\$26 trillion in economic benefits by 2030.

## 3. Rapid Urbanization



\*Defined by UN HABITAT as a city with a population of more than 10 million

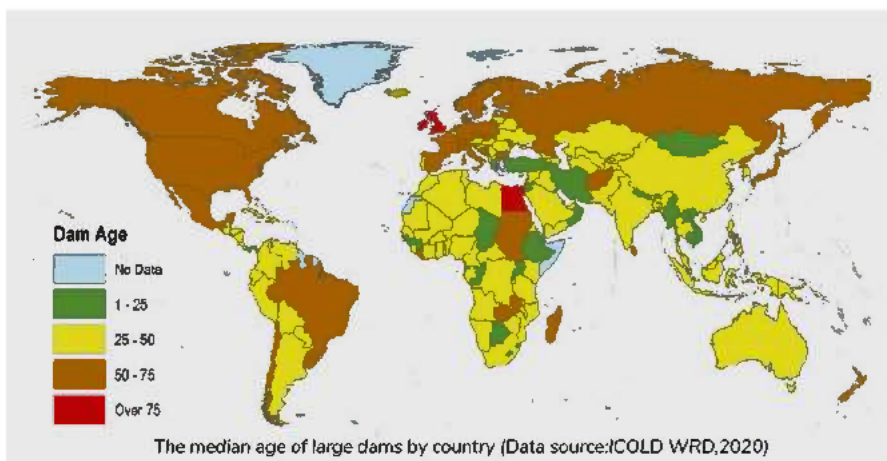
## 4. Over crowding in Water Stress Region



Source: United Nations - Summary Progress Report 2021 - SDG 6 Indicators

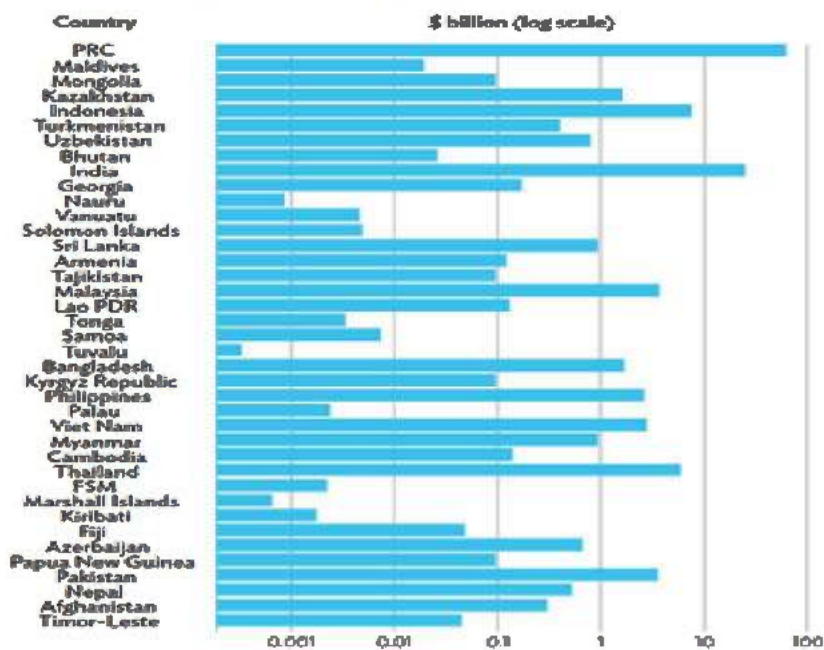
# Aging Water Storage Infrastructure and Under-Investment

Every infrastructure has a design life; hence infrastructure ageing is a normal process. The same applies to water storage dams of any size. Using dams as an example to illustrate the dire situation. Many large dams worldwide have reached or are approaching the lower bound (50 years) of their anticipated lifespan. North America and Asia together hold ~ 16,000 large dams in the range of 50-100 years old and ~2,300 large dams over 100 years old (ICOLD WRD, 2020).



Source: "Ageing Water Storage Infrastructure: An Emerging Global Risk" by United Nations University Institute for Water, Environment and Health (UNU-INWEH), 2021

## Projected Annual Investment Needs for Water Supply and Sanitation of Selected ADB Members, 2015-2030



The total annual estimated investment required over 2015–2030 to achieve universal access to safely managed water supply and sanitation services in Asia and the Pacific amounts to \$198 billion per year. This estimate, which includes capital, maintenance, and operation costs, is based on World Bank figures derived from “the gap in access to services as of 2015 and the cost of connecting those without access, as well as improving the level of service for those with access to reach SDG 6.1 and 6.2 targets.”

Source: Organisation for Economic Co-operation and Development. 2019. Estimating Investment Needs and Financing Capacities for Water Supply and Sanitation in Asia-Pacific. Background paper for the Roundtable on Financing Water 5th Meeting. 26-27 November.

Source: "Asian Water Development Outlook 2020" by Asian Development Bank, December 2021

With the emergence of COVID-19, worldwide investments in the water sector are projected to slow down further. Due to the high cost of disruptions, operating efficiency has become much more important. Changes in demand patterns, supply disruptions, and the numerous emergency steps taken by policymakers to deal with the pandemic have all added to these operating needs.

- 💧 The world's poorest experienced the COVID-19 shock on top of the already significant urban water and sanitation infrastructure deficits, leading to a potentially overwhelming stress to control the outbreak.
- 💧 Many major water users have scaled back or reduced their operations, resulting in decreased industrial demand.
- 💧 Several countries have declared emergency measures in response to the crisis, resulting in revenue losses for utilities.
- 💧 The increased risk of contagion among utility workers could have an effect on activities, including both routine and construction work.

# Exchanging ideas and paving the new norm for water in the virtual space

MIWC 2021 Virtual will continue the important and meaningful conversations. Together, we can find solutions to Navigating the Future of Water in the New Norm, share experiences and best practices, and improve regional and international cooperation.

-  **Conference**
-  **Workshops**
-  **Forums**
-  **Exhibition**
-  **Poster Competition**
-  **Technical Tour**



**94%**

of Visitors are qualified buyers/ influencers



**20%**

First-time Visitors

**80%**

Return Visitors

## Conference Statistics

**93.7%**

Rated good to excellent for networking opportunities



**46%**  
Water Supply & Management



**71**  
Speakers

**94.4%**

Rated good to excellent for overall quality of conference



**31%**  
Waste Management



**414**  
Delegates

**95.3%**

Rated good to excellent for conference provided updated knowledge of subject matter



**23%**  
Non-Revenue Water

\*Above figures and statistics are taken from MIWC 2019.

## Exhibit Profile

### Water Supply & Wastewater Management

- Computer Software, Consultancy & Design Services
- Lab Water Purification / Filtration Systems, Technologies
- Membranes Technology
- Pressure Measuring Instrument, Technologies, Software
- Production, Treatment & Supply of Water
- Rainwater Harvesting Systems
- Water Supply / Conservation Technology Systems
- Water Transfer & Distribution Equipment
- Water Piping Systems, Installation & Maintenance

### Green Water Technology

- Industrial Wastewater Recycle Treatment
- Rainwater Utilization System / Harvesting / Products
- Water Treatment / Filtration Systems for Rainwater

### Flood Mitigation & Drainage

- Flood Control
- Flood Plain Management
- Flood Risk Management
- Integrated Flood Management
- Flood Protection Product
- Flood Drainage System
- Urban Drainage

### Dam Management

- Engineering
- Dam Maintenance
- Dam Safety
- Monitoring & Instrumentation
- Seismic Analysis

### River Management

- Beautification
  - Cleaning Product
  - Erosion
  - River Basin Management
  - River Health Monitoring
  - River Catchment
  - River Protection
  - River Restoration & Rehabilitation
- Sediment Management

### Water Resource Management

- Waste Water Recycling System / Management
- Waterway Restoration & Maintenance Systems / Technologies / Products
- Water Resources Management & Hydrology

### Irrigation & Drainage

- Ecological Systems for Recycling Used Water
- Water-Saving Irrigation Technologies / Systems
- Distribution & Drainage Network Systems / Technologies / Products
- Irrigation & Drainage Products
- Urban Drainage Systems

### Non-Revenue Water Management

- Leak Detection Systems
- Pressure Management Technology
- Leak Repair Technology
- Trenchless Technology
- Pipe Repairs Technology
- Data Recorders & IT Software Solutions
- Asset Management Solutions

### Delegate Profile

Meet global executives who are shaping the future of water in the new normal and return to your organisation with first-hand industry knowledge and networks.

### Public Sector

- Ministers and Political Leaders
- Governors and Mayors
- Senior Officers from City, Provincial, Central and National Governments

### People Sector

- Academics and Researchers
- Young Water Professionals
- Associations and Societies
- International Organisations & Non-Governmental Organisations

### Private Sector

- Urban Water System professionals
- Drinking Water & Potable Reuse solutions
- Water Utility Management providers
- Data Analysts, Information Systems and Technology Professionals
- Engineering and Construction Professionals
- Water Management and Control Solution Providers
- Equipment & Measuring instrument Manufacturers
- Wastewater Treatment & Construction Providers
- Benchmarking Water & Waste water Service

## MIWC 2021 Targeted Figures



Conference Delegates

**500**



Trade Visitors

**6000**



Exhibitors

**100**

## Sponsorship Opportunities

MIWC sponsorship opportunities help your business to connect with the right people for your organisation. Boost your participation by increasing your company's brand visibility before or during the virtual event by taking full advantage of our sponsorship and advertising opportunities.

**Get in touch with us today to find out more details on our sponsorship programme.**

# Virtual Conference

Themed 'Navigating the Future of Water in the New Norm', covers the entire spectrum of water management, its not only solely due to COVID-19, but water needs better respect and have to be more vigilantly managed post COVID-19 based upon new paradigms under new normal.

## Early Bird Specials: 10% off\*

Early Bird Special Valid till 31 July 2021

The conference will comprise of keynotes and focused sessions on:



## Top 6 reasons to participate in our conference

1

Connect with water professionals from across the globe from office or the comfort of home

2

Enjoy meeting and chatting in our **Virtual Networking Lounge**. You can create **Private Chat Rooms** for business discussions too.

3

Join sessions in different tracks seamlessly.

4

Conference passes are offered at very affordable packages, choose from day-pass or season pass.

5

Download presentation slides, e-certificates direct from our virtual platform.

6

Easy registration and easy access to the virtual platform.

Conference / Workshop Fees	Organisation / Government / Academia		Students <small>(free registration for 1 poster submission for season pass holder)</small>	
	RM	USD	RM	USD
1-Day Pass	165	47	110	32
Season Pass (all 5-Days)	385	110	330	95
1-Day Workshop – Day 1	220	65	165	47
1-Day Workshop – Day 2	220	65	165	47

Above fees are subject to 6% Sales and Service Tax (SST).

\*Payment can be made through local cheque, telegraphic transfer and PayPal, contact our staff for assistance.

**REGISTER NOW**



# Virtual Exhibition

Exhibiting virtually allows you to reach a wider international audience, and visitors can come back to the platform anytime, as the platform will be live for 24 hours over the 5-day event. MIWC will be held over a virtual platform which has successfully hosted 2500+ events. Exhibitors may request for a live demo on its features and capabilities. The features are :

**All booth packages come with one complimentary conference season pass**

- 1 **Virtual Booths** - Standard, Business and Platinum designs to choose
- 2 **Description of Organisation (unlimited copy) & Upload of multiple brochures and catalogues** (details in price list)
- 3 **Live Video Chats**, Whatsapp and Email functions to interact with visitors
- 4 **1 Corporate Video at the Booth with Logos and Bunting**s
- 5 **Networking Lounge** - you can network with conference delegates and create private chatrooms for business discussion.
- 6 **Reports on all visitors to your booth**



**Standard Booth**



**Business Booth**



**Platinum Booth**

	A1 (Standard Booth)	A2 (Business Booth)	A3 Platinum Booth
Price (RM)	3,500.00	4,000.00	5,000.00
Price (USD)	1,170.00	1,350.00	1,670.00
Virtual Booth Type	Standard	Business	Platinum
<b>Conference Pass</b>			
Season Pass	1	1	1
<b>Booth Entitlements (Primarily for Corporate Information)</b>			
Company Name	1	1	1
Company Logo	1	1	1
Corporate Video	1	1	1
Live Video Chats	1	2	5
Whatsapp function	Yes	Yes	Yes
Email	Yes	Yes	Yes
<b>Within Each Booth, Each Product is Featured on a dedicated Pop-up Page. This is called the Storefront Showcase. Entitlements of Storefront Showcase</b>			
No. of Storefront Showcases	3	10	20
Product Video Uploads	3	10	20
Product Images/Photo Uploads	3	10	20
Description of Product	Yes	Yes	Yes
Live Video Chats	3	10	20
Whatsapp	Yes	Yes	Yes

Above prices are subject to 6% Sales and Service Tax (SST).

# Virtual Technical Tour 1

SAWAS (Sarawak Alternative Water Supply) is an initiative of the Sarawak government, through the Ministry of Utilities Sarawak to provide water supply to isolated settlements that have yet to have safe and clean water.



The implementation of SAWAS is one of medium towards achieving Sarawak's vision of 100% water supply coverage by 2025.

Piped water to these remote areas would take many years and SAWAS is a stop gap to provide basic amenities in term of safe and clean water.

The technical tour will be hosted by EXXOR whom has completed the commissioned community-based water treatment plants at both Muara Lebaan Cluster and Kpg, Penas since 15th October 2018.

The tour will cover the project components in details on:

- 1 Raw Water Intake
- 2 Water Treatment System
- 3 Clean Water Storage and Distribution
- 4 Power Supply

Virtual Technical Tour Fees	Organisation / Government / Academia	
	RM	USD
Sarawak Solar RO	50	15

Above fees are subject to 6% Sales and Service Tax (SST).



Figure 1.1 : Water Treatment Plant in Kampung Penasu.



Figure 1.2 : UF Treatment of DSM Water Treatment System in Kampung Penasu.



Figure 1.3 : RO Treatment of DSM Water Treatment System in Kampung Penasu.

# Water Innovation Poster Competition

The Malaysia International Water Convention 2021 Virtual (MIWC 2021 Virtual) is proud to host the Water Innovation Poster Awards in conjunction with this international water convention.

This Water Innovation Poster Awards is open to academics and students of higher learning institutions to showcase their innovative ideas / products / solutions and compete.

## OBJECTIVES

1

To exhibit research projects, creativity, innovation and solutions in water management technology and methodology by higher learning institutions, polytechnics and colleges.

2

To share expertise and commercial, creative and innovative ideas.

3

To cultivate interests and encourage academics/ instructors, and students to develop water innovations in line with current technological developments.

## AWARDS

1. Winners Certificates
2. Certificates of Participation
2. Trophy – Gold, Silver, Bronze
3. Promotion on MIWC website and social media
4. Promotion on MWA website and social media
5. Promotion in MWA publications

## IMPORTANT DATES

1

Last day of  
Submission  
**20 August 2021**

2

Presentation to  
Judges  
**6-10 September  
2021**

3

Results  
Announcement  
**23 September 2021**

## RULES GOVERNING PARTICIPATION

1. This Water Innovation Poster Competition is open to all Researchers, Lecturers, Teachers, Academic Staff and Students.
2. Participation can be done as an individual or in teams.
3. Entries must be related to the theme of MIWC2021 - Navigating the Future of Water in the New Norm.
  - a. Water Reforms under the New Norm.
  - b. Water 4.0
  - c. Alternative Financing
  - d. Green Technologies & Circular Economy
  - e. Wastewater Management
  - f. Water Innovations
  - g. NRW
  - h. Water Management Tools
  - i. Water Quality - Laboratory Techniques
  - j. Capacity Development

# Contact Us

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