



THE MALAYSIAN WATER ASSOCIATION
(P E R S A T U A N A I R M A L A Y S I A)

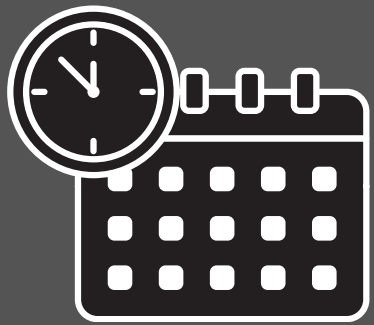
UPCOMING EVENT

MWA MASTERCLASS

LECTURE SERIES 2/2021

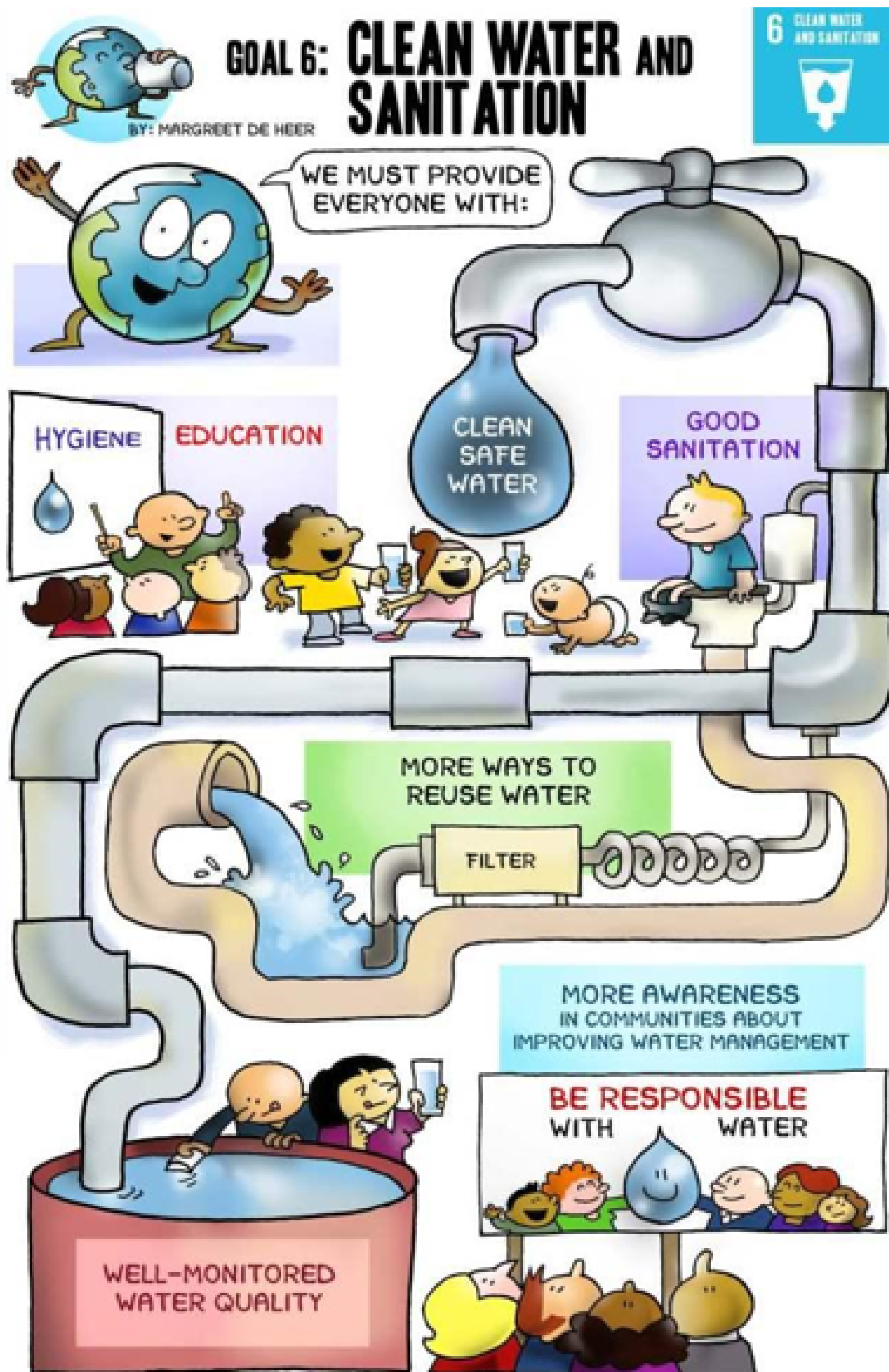
OPPORTUNITIES PROSPECTS IN THE DOMESTIC WASTEWATER SECTOR

**BEM
CPD HOUR
APPLIED**



22 April 2021, Thursday
2:30 pm (Malaysian Time)

Platform by
zoom



**Ir. Ts. Hj. Mohamed Haniffa
bin Hj Abdul Hamid**
FASc, FIEM, CWEM, ACPE (Prof)

REGISTER NOW

Please use link provided to register online
<https://forms.gle/2v2gv64o9JsH35xr7>

CATEGORY	PRICE
MWA Member	RM 40.00
Non-Member	RM 50.00

The Malaysian Water Association
(P e r s a t u a n A i r M a l a y s i a)

+603 6201 2250 / 9521

+603 6201 5801

johari@mwa.org.my (Mr. Johari Khamis)



OPPORTUNITIES AND PROSPECTS IN THE DOMESTIC WASTEWATER SECTOR

Water & Wastewater Prospects; Holistic Management; Paradigm Shift; Resource Recovery; and Long Term Sustainability.

INTRODUCTION

Scientifically, there is no such thing called “Wastewater”. It is the wasteful way on how we perceive and use water that had led to this common universal term recognized by all as Wastewater. We need to look critically at water as a commodity and resource. Wastewater is actually used water that can be recovered and utilized. Water is perhaps the most valuable resource on planet earth and it is the key ingredient for any life forms. The total quantity of water that existed millions of years ago (ie since the dinosaurs days) remain the same as what we have on planet earth today. It is the quality and location of these water that had varied due to mankind and climate interventions. Hence the so called wastewater (or used water) needs critical insights and paradigm shifts for reuse and resource recovery for the benefit of all.

Malaysia was colonized for almost 500 years by the Portuguese, Dutch, Japanese and the British before eventually gaining Independence in 1957. Before independence, the nation inherited a sanitation system that is considered primitive in today’s age. However over the last 60 years, the country had witnessed impressive development and growth in this sector and is now ready to lead in terms of Goal Number 6 of the United Nation’s Sustainable Development Goal (SDG 2030) targets as one of the leading Nation to help other fellow countries in need of developing their Sanitation Status. Initially the management of sewerage services were under the municipalities, better known as Sanitary Boards those days, and later-on called Local Authority.

OBJECTIVE

This talk is intended to share and demonstrate the practical strategic approaches in harnessing circular economy potentials within the domestic wastewater sector and to unveil its various opportunities and prospects. The talk would provide a Birdseye perspective to various stakeholders including policymakers, businesses and researchers to explore and unleash new paradigms within this sector. The worldwide wastewater industry transformation to be more vibrant in unlocking the potentials by creating wider scope expansions and resource recovery moving into the future is also discussed.

GOAL 6 IN ACTION:

To ensure clean water and sanitation for all, we all have to take action

TARGET	6-1	TARGET	6-2	TARGET	6-3	TARGET	6-4	TARGET	6-5	TARGET	6-6	TARGET	6-A	TARGET	6-B
															
SAFE AND AFFORDABLE DRINKING WATER		END OPEN DEFECCATION AND PROVIDE ACCESS TO SANITATION AND HYGIENE		IMPROVE WATER QUALITY, WASTEWATER TREATMENT AND SAFE REUSE		INCREASE WATER-USE EFFICIENCY AND ENSURE FRESHWATER SUPPLIES		IMPLEMENT INTEGRATED WATER RESOURCES MANAGEMENT		PROTECT AND RESTORE WATER-RELATED ECOSYSTEMS		EXPAND WATER AND SANITATION SUPPORT TO DEVELOPING COUNTRIES		SUPPORT LOCAL ENGAGEMENT IN WATER AND SANITATION MANAGEMENT	



PROFESSIONAL BIODATA

Prof. Ir. Ts. Hj. Mohamed Haniffa Hj. Abdul Hamid FASc holds a Diploma in Civil Engineering from University Technology Malaysia; B.Sc. (Hons.) Civil Engineering from the University of Glasgow; and an MSc in Public Health & Environmental Control Engineering from the University of Strathclyde, Scotland.

A British Government's Chevening and also City Hall Scholarship holder, he served the City Hall of Kuala Lumpur from 1981 for 13 years as a Municipal Engineer before opting out of the government service when sewerage services was privatised to Indah Water Konsortium (IWK) in early 1994.

Haniffa is a Professional Engineer registered with the Board of Engineers Malaysia and his last position was the Chief Operating Officer (COO) of IWK until October 2020. His main areas of expertise are in infrastructure developments, water & wastewater management and river management. He was the first Malaysian selected by the British High Commissioner to undergo an intensive management program at the Templeton College (Oxford University's Business School) in 1997.

Haniffa is a member of various Professional Institutions which includes the Chartered Institution of Water & Environmental Management (UK), the International Water Association (UK), and Vice President of the Malaysian Water Association. He was also appointed as one of the first Director of the Malaysian Water Academy, a body set up for Capacity Development for the Local Water Industry, an EIA Consultant registered with the Department of Environment Malaysia and a Professional Technologist registered under Malaysian Board of Technologists. Haniffa is also a Fellow of Institution of Engineers, Fellow of Academy of Sciences Malaysia, a Chartered Water and Environment Manager, UK and ASEAN Chartered Professional Engineer.

Over the years, Haniffa has directly and indirectly contributed to the development of sewerage industry in Malaysia particularly in the areas of governance, policy directions, institutional reforms, standards & guidelines development, designs, construction, operations & maintenance, research & development, quality control and environmental & safety management. Haniffa also sat as the Industry Advisory Panel in Engineering at UM, UiTM, and UIAM. He is currently still actively involved with UTM and UTP and is also an Adjunct Professor at UTM. Recently, he had been appointed as an Accreditation Board Member at Chartered Institution of Water and Environmental Management (CIWEM), London (UK).

TENTATIVE PROGRAMME

2:30 Pm – Participants Login into Webinar

2:40 Pm – Opening Address by Datuk Ir. Abdul Kadir Mohd Din, FASc
President, The Malaysian Water Association (MWA)

2:50 Pm – Opportunities Prospects in the Domestic Wastewater Sector
(With Audience Participation and Q&A)

4:30 pm – End