



OMAN WATER WEEK
Oman's leading water event

Strategic Partner



Supported by



Under the patronage of



Sultanate of Oman
Ministry of Agriculture, Fisheries
Wealth & Water Resources

Workshop Three

Water and circular economy

Presented by:



24 January 2024

01:30 pm - 04:30 pm

Speaker



Dr. Youssef Brouziyne

Regional Representative in MENA region
Water Management Institute (IWM)



Karan Khimji

Chief Commercial Officer
44.01

Workshop topics

Featured Topics

- Water & Circular Economy
- TE utilization
- Sludge Management
- Carbon Capture

Workshop outline

In most of the MENA region, the existing imbalance between available water supply and demand is expected to widen due to population growth, greater urbanization and higher water consumption. The largest use of water in MENA countries is for agriculture, which forms the foundation of the economies of many of the countries.

Under this situation, alternatives such as circular economy (CE) approaches are needed to supply water in view of the water scarcity and climate change challenges while addressing other resources needs and contributing to climate change adaptation and mitigation.

One of the essential dimensions of a CE is the creation and capture of value remaining in waste materials and maximizing that value to promote sustainable development.

Recovering the water, energy, nutrients and other materials embedded in wastewater is a key opportunity. This notion of wastewater recovery is gaining more attention in water-scarce countries as a way to meet the demand as non-conventional water resources can be used for irrigation in agriculture, industrial use and groundwater recharge.

In this session, three key questions will be the background of reflection and discussion towards tangible recommendations to all stakeholders and possible projects and collaborations:

1. What are the main prospects of circular economy in Oman, in comparison to the rest of MENA, under the advances in technologies and the pressures brought by growth and climate change?
2. What is the Sultanate's vision and strategies regarding the circular economy in the water sector, especially TE utilization and Carbon Capture?
3. What are the available capacities (Knowledge, technological, infrastructure, financial, regulatory and institutional) to be leveraged and/or expanded to make TE utilization and Carbon Capture more effective in water-related circular economy in Oman?

