



Sustainable Development Goals
within the scope of
Sustainability of Water and Wastewater Management
Online Workshop Series

Workshop II: Danish Water and Wastewater Association (DANVA) and Aarhus Water Management Practices
Date and Registration: 11 February 2021 Thursday, 15:00-17:30 (CET+2) - <http://quq.la/6tVdr>
Contact: Mustafa Özkul, mustafa.ozkul@mbb.gov.tr

- ✓ While the water sector comprises approximately 4 percent of the total electricity consumption in the world, wastewater treatment alone contains for a quarter of this.
- ✓ SDG 6 (Sustainable Development Goal) aims to half the rate of untreated wastewater discharged into water resources by 2030. In order to achieve this goal, energy efficiency and energy recovery come to the fore in the design of new and existing water treatment plants.
- ✓ The Danish Government has set a target to reduce the country's greenhouse gas emission by 70% by 2030. To achieve this goal, all sectors including the wastewater sector need to contribute. Danish water sector aims to become energy and carbon neutral- and even net energy producers.
- ✓ Danish wastewater treatment plants are investing to reduce energy consumption. Therefore, they are increasingly focusing on energy generations that results in a drop to 1.9% of the share of the Danish water sector in the country's total electricity consumption.
- ✓ Major water and sewerage utilities in Denmark have to increase their operational efficiency by 2% each year. Therefore, a benchmarking system was developed throughout the country. In this context, all water and sewerage administrations in Denmark contribute to benchmarking system under the roof of the Danish Water and Wastewater Association (DANVA).
- ✓ There are ongoing investments in water and wastewater sector in Turkey. Water and sewerage administrations and municipalities are among the most important actors of water and wastewater management. Sharing experiences between Denmark and Turkey have significant importance to contribute to the capacity building in the Turkish water sector.

***About Aarhus Vand::**

Aarhus Vand Water Administration is a public administration that aims to provide resource- efficient services throughout the entire water cycle, create a climate-friendly environment and benefit all stakeholders. Aarhus Water Ltd. is an independent enterprise owned by Aarhus Municipality, delivering water to 283,000 customers and producing 16 million cubic metres each year. They treat waste water from 300,000 customers, equal to approx. 35 million cubic metres/y. Their mission is to supply high quality drinking water and provide first class wastewater treatment in order to safeguard public health and the environment by maintaining reliable supplies and efficient operations in a manner that is transparent for consumers.

***About Aarhus:**

With a population of 336 thousand, Aarhus is Denmark's second largest city and the country's fastest growing city. In close collaboration between business communities and institutions, the city of Aarhus has set the goal of being carbon neutral by 2030 through smart solutions and green growth.

***About DANVA:**

Danish Water and Waste Water Association (DANVA) is a national association of water and sewerage suppliers. The association primarily comprises the larger municipal and private ones, local authorities and counties, suppliers to the water and sewerage industry, the joint municipal environmental centers, advisors and institutions.



DRAFT PROGRAMME

15:00-15:05	<u>Opening Speeches</u> Ahmet Cihat Kahraman, Environmental Management Coordinator, Marmara Union of Municipalities Seda Kayrak Bilgen, Senior Trade Manager, Royal Danish Consulate General in Istanbul
15:05-15:50	<u>Water and Sewerage Administrations Benchmarking System and EU and Danish Regulations</u> Carl-Emil Larsen, CEO, Danish Water and Waste Water Association (DANVA)
15:50-16:00	<u>Break</u>
16:00-16:25	<u>Non-Revenue Water, Pipeline Asset Management, Tariff System</u> Flemming F. Pedersen, Operations Director, Aarhus Vand
16:25-16:50	<u>Digital operation and procedures for water loss reduction</u> Sally Nyberg Kornholt. NRW Operations Engineer, Aarhus Vand
16:50-17:10	<u>Smart Metering Case Study</u> Mikael Hansen, Head of Distributor sales – EMEA & Asia Water division, Kamstrup
17:10-17:30	<u>Q&A and Closure</u>