



# ADVANCED WATER CYCLE MANAGEMENT COURSE 11-23 AUGUST

2019

## AU SUMMER UNIVERSITY

WATEC - Aarhus University Centre for Water Technology  
in close collaboration with:  
AVK, DHI, Grundfos, Kamstrup, NIRAS, I-GIS, Aquaglobe,  
Aarhus Universitet School of Engineering and the water  
facilities Aarhus Vand and Skanderborg Forsyning.



AARHUS  
UNIVERSITY

# DO YOU WANT TO UPGRADE YOUR WATER MANAGEMENT SKILLS?

*Then sign up for the Water Summer School 2019 and get wiser on how to turn one of the most valuable resources on Earth into a SMART, resilient and sustainable business for the benefit of nature and people's well-being.*

## **This is what you get:**

- ◆ A profound insight into state-of-the-art SMART Water Management and how to minimize water loss from the distribution system.
- ◆ Essential knowledge about Ground Water Mapping and Management.
- ◆ Input on how to turn a wastewater treatment plant into a net-energy producing facility, seeing wastewater not as a problem but as a valuable resource.
- ◆ Insight into leading Danish technology and solution providers of high-quality products for water and wastewater infrastructure.
- ◆ Closer contact to Design Engineering companies that work with water, wastewater and climate adaptation projects.
- ◆ A strong competitive advantage when applying for jobs in the private or public water utility sector.
- ◆ A deeper understanding of the circular water infrastructure of a modern and sustainable society.

## **This course will be the perfect place to start making a difference**

The course is run as a unique collaboration between leading Danish technology providers, Danish Water Utilities and the Aarhus University Centre for Water Technology – WA-TEC. You will learn how the private sector works in close collaboration with the public sector, regulatory authorities and ministries in Denmark.

## **Three main themes**

The course will provide you with a review of three main themes:

- 1. Ground water resource management**
- 2. Management of Water distribution**
- 3. Wastewater handling - including resource recovery.**



You will also experience working in teams with other course participants and you will be involved in challenges associated with water management and get the opportunity to give input on how to solve these challenges.

### Clean water and sanitation – SDG6

Clean, accessible water for all is an essential part of the world we want to live in. There is sufficient fresh water on the planet to achieve this. But due to bad economics or poor infrastructure, every year millions of people, most of them children, die from diseases associated with inadequate water supply, sanitation and hygiene. Be the change and help carry out the UN Sustainable Development Goals and especially SDG6 about clean water and sanitation.

### Application

The online application system will open from 15 January 2019. The application deadline is 1 April 2019.

For registration please see:  
[au.dk/summeruniversity](http://au.dk/summeruniversity)

### ADVANCED WATER CYCLE MANAGEMENT COURSE

Date: 11–23 August 2019

ECTS: 5

Level: Bachelor according to the admission requirements

### TARGET GROUP

The course is open to a maximum of 60 participants and welcomes students and applicants from the industry according to the course admission requirements.

- ◆ Bachelor in biological or chemical engineering, or similar
- ◆ Bachelor in bioscience
- ◆ Bachelor in geoscience
- ◆ Bachelor in agroecology
- ◆ Bachelor of Technology Management
- ◆ Bachelor of engineering or Bachelor student (diplomingeniør) (4.-7. semester)

### OFFICIAL WEBSITE AND INFORMATION

<http://watec.au.dk/water-management-summer-school/>

- ◆ Course description
- ◆ Application procedures
- ◆ Admission requirements
- ◆ Accommodation and fees

# DENMARK AS A FRONT-RUNNER

## Denmark is at the forefront in terms of

- ◆ Low non-revenue water loss (only 6-8%)
- ◆ SMART Water Management with a holistic approach
- ◆ Low energy consumption per sold m<sup>3</sup> of drinking water
- ◆ Net energy producing wastewater treatment plants
- ◆ Mapping, protection and administration of the groundwater system.

As a refreshing result of the efficient water management, CNN has designated Copenhagen the best city in the world for swimming – attributing the title to the city's clean, cool harbor baths.

<http://watec.au.dk/water-management-summer-school/>

Venue: Låsby Kro



The Advanced Water Cycle Management Course excels by its unique collaboration between WATEC – Aarhus University Centre for Water Technology, water- and wastewater facilities and world leading companies within the Danish water sector.

