



**WETPOL
2019**

Technical Tour: Constructed Wetlands and Willow Evaporative System

Date: 20 June 2019, 07.45 – 16.30.

Bus departs from: Kalkværksvej, 8000 Aarhus (parking space.)

Meals: Lunch included.

Refreshments: Coffee can be purchased on the bus. Free snacks/fruits and water will be available.

Program:

- 07.45 Bus arrives at Kalkværksvej, 8000 Aarhus
- 08.00 Departure
- 09.15-10.30 Constructed Wetland with aeration (FBA) filled with 8-16 mm stones (30 PE/24 m² or 0,8 m²/PE).
Guide: René Kilian
Location: Søgårdvej 11, 7182 Bredsten
- 11.10-12.10 Willow Zero-discharge facility constructed in 2002 for 12 households. Willow trees are collecting nutrients in stems and bark for recycling and evaporating all water.
Guide: Peder S. Gregersen
Location: Bækkevej 56 Brørup
- Drive incl. lunch*
- 13.30-14.45 Constructed Wetland with iMET technology (iMETland) with biochar filter material (200 PE/80 m² or 0,4 m²/PE) (www.imetland.eu)
Guide: René Kilian
Location: Ørby 27, 6100 Haderslev
- 14:45 Bus departing to Aarhus
- 16.30 Arrival in Aarhus, Kalkværksvej, 8000 Aarhus

Get inspired by visiting two different constructed wetland systems and a willow evaporative system. The first stop will be at a Bed & Breakfast in Bredsten, to see a modern 30 PE (24 m²) constructed wetland with forced aeration, which makes the system flexible regarding loads. Thereafter, we will go to Brørup, where a willow evaporative system for 12 households (35 PE) is installed. This system is unique, as it produces no effluent; all wastewater is evaporated. We end the tour in Ørby where a 200 PE (90 m²) MET-system is cleaning wastewater produced by the entire village and holiday homes in the area (total 42 households). This system was constructed under the EU project H2020 iMETland where new technologies are tested in full scale. The tour will be guided by the Center for Recirkulering and Kilian Water Ltd.



DEPARTMENT OF BIOSCIENCE
AARHUS UNIVERSITY