



# CALL FOR ABSTRACTS

## - DEADLINE 6 MARCH 2017

### **NORDIWA 2017 – Nordic Wastewater Conference - Aarhus, 10-12 October**

Leading Nordic event for water professionals – experts and practitioners, managers and operators: utility staff, city planners, researchers, engineers, advisors and others with an interest in wastewater management and climate change adaptation in the Nordic region. Special focus this year on wastewater management in the Baltic Sea Region.

Wastewater treatment plants and Sewage systems • Energy Production •  
Pharmaceuticals • Micropollutants • Microplastics • Circular Economy • Climate change adaptation  
Storm water management • Governance • Asset Management • Benchmarking

Water management around the Baltic Sea: Implementation of EU Urban Wastewater Treatment Directive, HELCOM, OSPAR – targets - Knowledge Sharing and Technology Transfer

### **Save the Date for NORDIWA 10-12 October 2017**

[www.nordiwa.org](http://www.nordiwa.org)

DANVA, SAMORKA, FIWA, Svenskt Vatten and Norsk Vann invite all water professionals with an interest in wastewater, sewage and climate change adaptation to submit abstracts for platform, poster and workshop presentations at NORDIWA 2017.

Deadline for submission of abstracts is 6 March 2017. Submit abstracts on [www.nordiwa.org](http://www.nordiwa.org).





- Denmark's second largest city - the capital of Jutland and European Capital of Culture 2017
- Mentioned in World Energy Outlook 2016 for leading wastewater treatment plant Marselisborg Renseanlæg, a WWTP that demonstrates the ability of the water sector to become energy neutral
- Renowned for outstanding integrated solutions, where water management and opening of Aarhus River to the public contributes to urban liveability
- A vibrant mix of youthful energy and a blast from the past, selected as a Top Destination – Best in Europe 2016 by Lonely Planet
- Praised by visitors including TripAdvisor for the city's atmosphere world-class museums including AROS – Museum of modern art, The Old Town and Moesgaard – museum of ancient history

## Who will attend?

Participants in the NORDIWA conferences are water professionals – students experts, specialists and practitioners.

NORDIWA is a unique meeting place for utility staff, city planners, researchers, engineers and others with an interest in wastewater management and climate change adaptation in the Nordic region.

### Mayor of Aarhus, Jacob Bundsgaard



We look forward to welcoming all of you to Aarhus for the Nordic Wastewater Conference 2017. In Aarhus we view water as a resource that supports our efforts to create a greener and bluer city – a city with plenty of opportunities for healthy activities in everyday life. Liveability, open spaces, recreational areas and

landscapes within reach are indispensable elements of our efforts to adapt Aarhus to climatic change.

### CEO of Svenskt Vatten, Anna Linusson

It is time to influence political leadership and consider the whole picture. The challenge of emerging substances can not only be solved with end of pipe solutions. Focus on producers' responsibility is needed. Like solid waste it is now time for dissolved waste to place responsibility, where changes can be made. If we want green pharmacy and eco design we should reward it by making it long-term profitable. I hope the conference in Aarhus will contribute to a more proactive approach here.



### CEO of Aarhus Vand, Lars Schrøder

Aarhus Vand aims to be among the most advanced water companies in our region. Visitors get a chance to see that for themselves on technical tours at NORDIWA for instance when going to Marselisborg Wastewater Treatment Plant, which is in fact a power station setting new technological and operational standards for energy production from wastewater. Visitors can also experience the results when taking a walk along Aarhus River, open to the public thanks to improved water quality.



### CEO of DANVA, Carl-Emil Larsen

Sharing knowledge among the Nordic countries has taken place at NORDIWA conferences since 1989. Learning from advanced water companies with high ambitions and standards gives us all an opportunity to improve our solutions for the benefit of utilities and communities. This will help us all take water management to the next level and develop world class solutions in the Nordic region.





# What are the topics for NORDIWA 2017?

## **New approaches to Wastewater treatment**

### **– Plants, Processes and Circular Economy**

- Advanced control and new processes, Sharing knowledge algae in wastewater treatment plants
- Circular economy - removal and recovery of nitrogen, phosphorus and other resources
- Energy efficient, energy neutral and energy recovery from wastewater treatment plants
- Efficient upstream work and treatment of pharmaceuticals, microplastics and micropollutants
- Challenges and opportunities with small wastewater treatment plants (below 2.000 PE)

## **The need for an integrated approach to the sewage system**

- Strategic decisions for sewage systems and wastewater treatment. Working and planning processes in different countries, including elements to be considered such as environment and value of private property
- Quality and performance of sewage systems: Life time expectancy, systems and routines to guarantee high quality installation and maintenance work, renewal and no-dig solutions
- Relations between water utilities and property owners. Responsibilities to reduce leakage and inflows
- Strategies and measures to reduce overflow, including combined sewer overflow (CSO).
- Integrated management and use of radar systems and weather pronoses
- Infiltration-inflow detection and management
- New modelling techniques for supporting operational and planning decisions

## **Adapting to consequences of a changing climate**

- Climate change adaptation that contributes to urban liveability
- Planning and design of multifunctional stormwater solutions such as combined playgrounds and stormwater reservoirs.
- Cross-sectoral cooperation between city planners and water companies
- Strategies and measures for sustainable urban drainage systems and stormwater management, implementation of cloudburst management plans, including expectations from property owners on flood protection and reduced run off.
- Managing pollutants in stormwater. Focus on new approaches to reduce emissions of dissolved pollutants (the handling of sludge/sediment from stormwater treatment) needs more attention

## **Managing our wastewater systems**

- Asset management
- Benchmarking systems in the Nordic region
- Long-term capacity development, recruitment and building stronger organisations
- Sharing and exporting knowledge

## **Cooperating to improve water management around the Baltic Sea**

- How are we doing on implementation of the EU Water Framework Directive and the EU Urban Wastewater Treatment Directive and the EU Floods Directive?
- How far are we from reaching HELCOM and OSPAR targets?
- Different measures to improve ecological status and reduce eutrophication around the Baltic Sea
- Industrial wastewater: policies, legislation, management and treatment
- Outcome of the BONUS-programme: Science for a better future for the Baltic Sea region

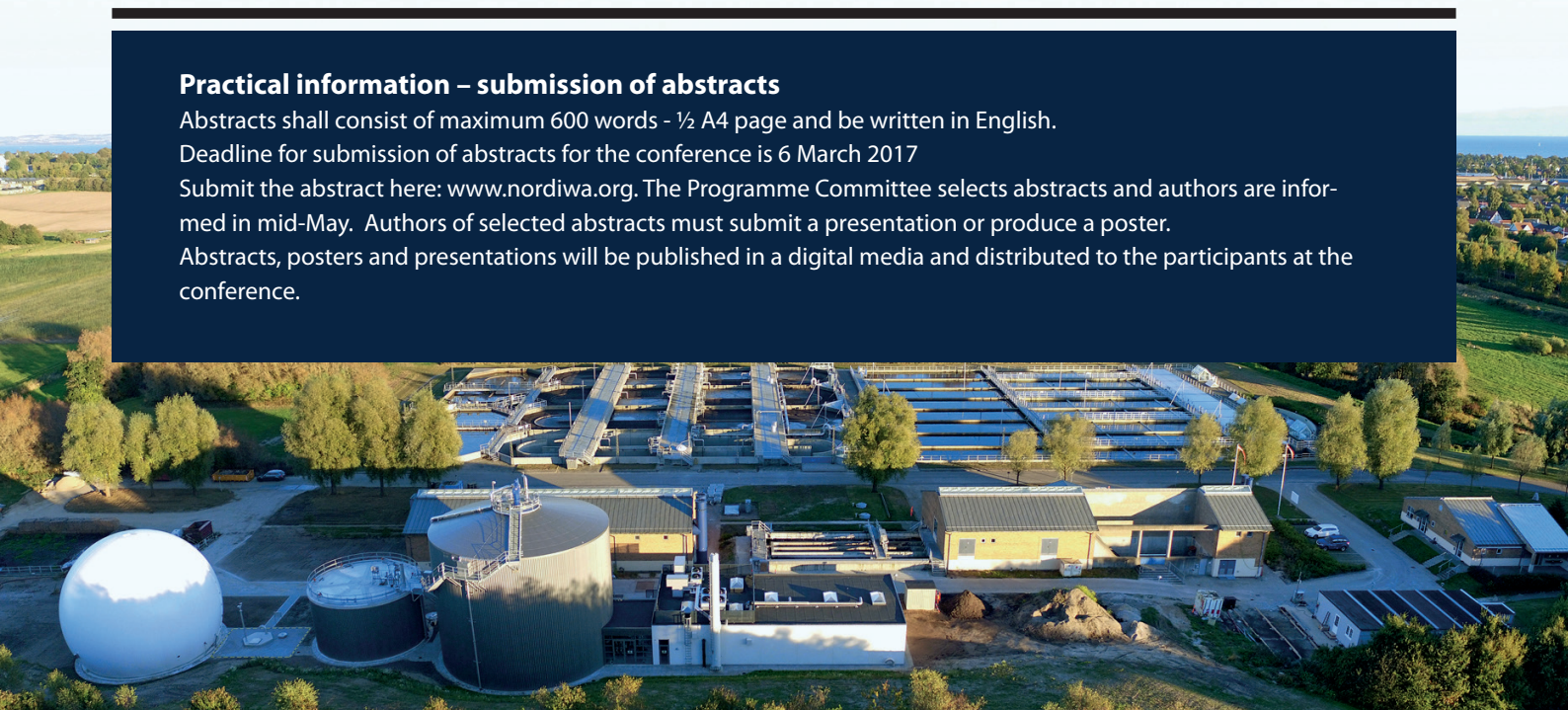
## **Practical information – submission of abstracts**

Abstracts shall consist of maximum 600 words - ½ A4 page and be written in English.

Deadline for submission of abstracts for the conference is 6 March 2017

Submit the abstract here: [www.nordiwa.org](http://www.nordiwa.org). The Programme Committee selects abstracts and authors are informed in mid-May. Authors of selected abstracts must submit a presentation or produce a poster.

Abstracts, posters and presentations will be published in a digital media and distributed to the participants at the conference.



# How is NORDIWA 2017 organised?

NORDIWA presents a variety of possibilities for knowledge sharing and interaction. The conference is organised with opening keynote plenary sessions, conference sessions, poster presentations, workshops, technical tours and side events.

There will be plenty of opportunities for networking and interaction with colleagues from the region.

- A special session will be organised for Young Water Professionals in the Nordic region.
- A workshop will be organised on Water Management and Water Quality around the Baltic Sea
- A Specialist Workshop on wastewater treatment will be organised in cooperation with Aalborg University
- More information on [www.nordiwa.org](http://www.nordiwa.org)
- A Specialist Workshop on stormwater management and climate change adaptation will be organised in cooperation with DTU

## Conference Fee

- Early Bird Discount until 31 August - 5.995,- DKK
- Standard Conference fee - 6.495,- DKK
- Conference fee for presenters - 3.995,- DKK
- Conference fee for students, including PhD-Students - 1.995,- DKK
- Conference fee includes Opening Reception and Conference Dinner.
- Conference language is English

## Practical information

Registrations opens 18 April 2017

## Hotels and Tourism

Information about hotel booking and being a tourist in Aarhus: <http://www.visitaarhus.dk/turist-i-aarhus>

## Conference Venue

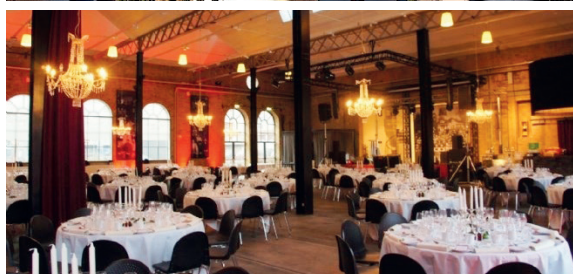
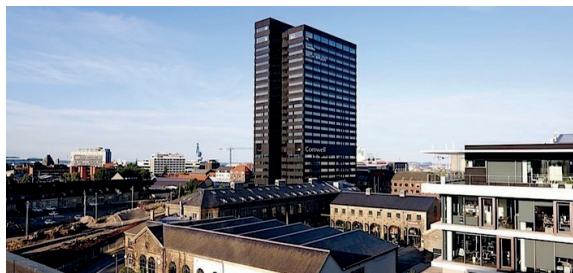
The conference will be held at the four-star hotel Comwell Aarhus, close to the city centre and central station. Conference dinner will be held at Centralværkstedet, former train workshop, praised for its atmosphere and wonderful food.

## Technical tours & Social programme

As a part of the conference we will organise technical tours with opportunities to visit interesting locations in Jutland. Reaching international flights can be combined with a visit to Billund, Aalborg and Copenhagen

Social programme consists of:

- Day 1: Opening Reception
- Day 2: Conference Dinner



## Programme committee

Daniel Hellström	IWA Sweden (Svenskt Vatten)
Anders Finnson	Svenskt Vatten
Per Halkjær Nielsen	Aalborg University
Peter Steen Mikkelsen	Technical University of Denmark
Lise Hughes	IWA (Aarhus vand)
Saijariina Toivikko	FIWA (Finnish Water Utilities Association)
Tommi Fred	IWA
Sigurjón Norberg Kjærnested	Samorka, Island
Gjertrud Eid	Norsk Vann
Arne Haarr	Norsk Vann
Magnar Sekse	IWA (Bergen kommune)
Helle Kayerød	DANVA
Dorte Skræm	DANVA
Miriam Feilberg	DANVA

## Key Dates

6 March 2017  
Final deadline  
for submission  
of abstracts

18 April 2017  
Registration opens

31 August 2017  
Early Bird discount  
expires

1 June 2017  
Conference  
Programme  
published

10-12 October 2017  
Conference days