



Tackling Micropollutants in Wastewater - Approaches on Implementation and Innovation in Europe and the Netherlands

When: Wednesday November 3rd and Thursday November 4th

Where: Aquatech Expo RAI, Amtrium entrance L, Europaplein 24, 1078 GZ Amsterdam

Program Wednesday November 3rd

10.00 Opening EXPO Aquatech

10.00 Registration with coffee and tea

10.30 Welcome - Cora Uijterlinde | STOWA

10.40 Session 1- Tackling removal of micropollutants: Policy meets practice in implementation

Chair - Maarten Nederlof | Program Manager Implementation Demo's Dutch Water Authorities

10.40 Progress Full-scale Implementation Removal of Micropollutants @ NL - Maarten Nederlof

10.55 The Dutch Approach - Marc de Rooy | Ministry of Infrastructure and Water Management

11.15 The German Approach - Marie Launay | Kompetenzzentrum Spurenstoffe Baden-Württemberg

11.35 Demo O3 @ wwtp Houten - Marlies Verhoeven | Hoogheemraadschap De Stichtse Rijnlanden

11.55 The Swiss Approach - Aline Brander | VSA-Plattform Verfahrenstechnik Mikroverunreinigungen

12.15 Wrap Up - Maarten Nederlof | Program Manager Demo's Dutch Water Authorities

12.20 Lunch Break

13.10 Session 2- Tackling removal of micropollutants: Policy meets practice in innovation

Chair - Roger Vingerhoeds | Water Authority Brabantse Delta

13.15 Dutch Innovation Programme Removal of Micropollutants - Cora Uijterlinde | STOWA

13.35 PAC-O3: Demo PACAS and pilot PACAS - O3 @ wwtp Leiden -

Paul Versteeg | Hoogheemraadschap Rijnland and Arnoud de Wilt | Royal Haskoning DHV

14.00 PACAS Nereda Pilot @ wwtp Simpelveld - Herman Evenblij | Royal Haskoning DHV

14.20 PAC and Cloth Filtration Pilot @ wwtp Vinkel - Arnoud de Wilt | Royal Haskoning DHV

14.40 Innovations in removal of micropollutants (CEC-programme) @ Universities NL

14.45 Wrap Up - Roger Vingerhoeds | Water Authority Brabantse Delta

14.50 Coffee Break

15.20 Session 3 - Innovation on lowering the CO2-footprint of Powdered Activated Carbon (PAC)

Chair - Ruud Schemen | Water Authority de Dommel

15.25 Using non-fossil commercially available PAC - Joost van der Bulk | Tauw

15.40 Effect of PAC dosage on sludge end treatment - Berend Reitsma | Tauw

15.55 Pilot Dextorb Filter @wwtp Horstermeer - Arjen van Nieuwenhuijzen | Witteveen+Bos

16.10 Pilot Zeolites Filter (AdOx) @ wwtp Leiden - Jan Peter van der Hoek | Technical University Delft

16.25 Innovations in removal of micropollutants (CEC-programme) @ Universities NL

16.30 Wrap Up - Ruud Schemen | Water Authority de Dommel

16.35 Wrap Up and Closure Day 1 - Cora Uijterlinde | STOWA



Program Thursday November 4th

- 10.00 Opening EXPO Aquatech
10.00 Registration with coffee and tea
10.30 Welcome - Mirabella Mulder | STOWA / Mirabella Mulder Waste Water Management
- 10.45 Session 4 - Innovation on lowering the CO₂-footprint of Granular Activated Carbon (GAC)**
Chair - Manon Bechger | Waternet
- 10.50 Pilot Biological Oxygen Dosed Activated Carbon @ wwtp Emmen - Peter van der Maas | WLN
11.05 Feasibility Bio-O₂-GAC - Hans Wouters | Brightwork
11.20 Pilot Upflow GAC @ wwtp Hapert - Alexandra Deeke | Water Authority de Dommel
11.35 Pilot O₃-STEP @ wwtp Horstermeer - Veerle Luimstra | Witteveen + Bos
11.55 Wrap Up - Manon Bechger | Waternet
- 12.00 OPEN MIC SESSION - ELEVATOR PITCHES**
- 12.15 Lunch Break**
- 13.10 Session 5- Innovation in lowering CO₂-footprint and bromate formation of Oxidation Technologies**
Chair - Robert Kras | Water Authority Aa en Maas
- 13.15 Pilot Ozonation and Ultrasound @ wwtp Winterswijk - Patricia Clevering | SWECO
13.35 Feasibility Microforce (Combined Biofilm-Ozone Reactor) - Nelis de Rouck | PureBlue
13.55 Feasibility B-O₃ (biological pretreatment and ozonation) - Arnoud de Wilt | Royal Haskoning DHV
14.15 Wrap Up - Manon Bechger | Waternet
- 14.20 OPEN MIC SESSION - ELEVATOR PITCHES**
- 14.35 Coffee Break**
- 15.00 Session 6- Innovation in upcycling wastewater and effluent of wwtp's**
Chair - Ferdinand Kiestra | Water Authority Aa en Maas
- 15.15 Pilot nanofiltration and UV @ wwtp Asten - Rob van der Sande | Water Authority Aa en Maas
15.30 Pilot coagulation, ceramic filtration and ozonation @ wwtp Wervershoof - Martin Spruijt | PWN
15.50 Waterfactory - @ wwtp Wilp - Frans Visser | Water Authority Vallei en Veluwe
16.15 The Ultimate Water Factory - Jelle Roorda | Roorda Advies
16.35 Wrap Up - Ferdinand Kiestra | Water Authority Aa en Maas
- 16.40 Wrap Up and Closure Aquatech Event - Mirabella Mulder and Cora Uijterlinde | STOWA**
- 16.45 Drinks**



Practical Information

Registration

You are welcome to join one or more of these morning or midday sessions for free. Go to www.stowa.nl for registration. Walk-ins are welcomed as long as there are non-reserved seats available.

PLEASE NOTE:

- Register to attend @ www.stowa.nl
- Also Register your free visit to the Aquatech Trade @ www.aquatechtrade.com
- Admittance to Sessions is not allowed after start-up. To guarantee your seat at one of the sessions please register.
- A lunch will be provided only for STOWA-registered participants of both morning and afternoon sessions. Admittance to lunch will be checked through your barcode.

OPEN MIC SESSIONS (ELEVATOR PITCHES): STOWA welcomes all other Dutch and international commercial or non-commercial parties, which have carried out research in the field of removal of micropollutants from municipal wastewater, to give a PITCH at one of the open podium vacancies throughout the event. Your pitch can be no longer than 3 minutes.

If you want to pitch your idea, please contact for more information on selection Mirabella Mulder of STOWA (mmulder@mirbellamulder.nl)