Dutch Innovation on Micropollutants Removal from Municipal Wastewater

When: Thursday November 7th 2019
Where: **Hall 13 Future Water Theatre** at the Aquatech Expo RAI, Europaplein 24, 1078 GZ Amsterdam
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DRAFT PROGRAMME

10.00 Opening EXPO Aquatech
10.15 Registration with coffee and tea and poster presentations
10.30 Welcome - Cora Uijterlinde | STOWA

10.45 ***Oxidation (ozonation and UV/H2O2)***
Feasibility study Usoniq Reactor
Feasibility study O3-STEP: combined micropollutants and nitrogen removal
PAC4TOC - reducing DOC by dosing PAC to WWTP effluent
Pilot studies on ozonation and UV/H2O2 treatment of WWTP effluent Aarle Rixtel
Pilot study on ozonation of WWTP effluent Groote Lucht

11.45 ***Filtration & reuse of wastewater***
Feasibility Enzymatic filtration of WWTP effluent (Pharem)
Feasibility Nano filtration of WWTP effluent
Pilot ozonation and ceramic filtration WWTP effluent Wervershoof
Reuse of Water I: a new way of wastewater treatment through physical-chemical processes
Reuse of Water II: pilot physical-treatment of raw sewage for resource recovery WWTP Wilp

12.45 **Poster presentations**

13.45 ***Adsorption through new materials***
Feasibility reducing CO2 footprint by using bio-activated carbon
Feasibility adsorption through Cyclodextrines
Feasibility adsoption through zeolites
Feasibility adsorption micropollutants and P-removal through coated sand particles

14.45 ***Activated Carbon Adsorption***
Feasibility ARVIA: electro-chemical induces GAC filtration
Feasibility PAC on clothfilters: combined removal of micropollutants and phosphorus
Feasibility PACAS in aerobic granular systems (Nereda©)
Feasibility Enhancement Powdered Activated Carbon in Sludge (PACAS) through dosing Fe
Pilot Enhanced Biological Granular Activated Carbon Filtration WWTP Emmen

15.45 **Closure**