



Welcome @ Day 1 STOWA Aquatech Sessions

Overview Technologies Dutch Innovation Program

Cora Uijterlinde STOWA

Tackling Micropollutants in Wastewater
Approaches on Implementation and Innovation in Europe and The Netherlands



Rijkswaterstaat
Ministry of Infrastructure
and Water Management

November 3 and 4 2021 Aquatech Amsterdam





Innovation program micropollutants

Hosted by STOWA

Funded by Ministry, STOWA and regional water authorities
(€11,7 mln; 2019-2023)

Focus on:

- Treatment technologies on the threshold of breaking through → TRL 7 in 2025
- Technologies should have an added value compared to existing techniques (removal rates, costs, sustainability or eco-toxicological risks)
- Feasibility studies (100.000 pe) and pilot plant research





INNOVATION PROGRAM

ARVIA

BODAC (Emmen)

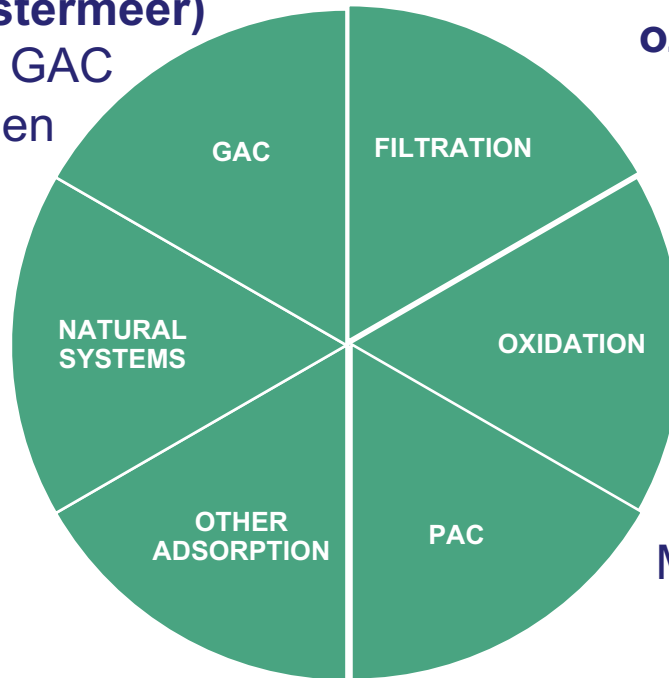
O3-STEP (Horstermeer)

Continuous Upflow with micro GAC

Continuous GAK with oxygen

inventarisation
natural systems

zeolites
bio-carbon
sandfiltration
cyclodextrines
AdOx (Leiden)



pretreatment – nano filtration (Waterfactory Wilp)

nano filtration effluent

ozone with ceramic micro filtration (Wervershoof)

Pharem - enzymes

Ultrasound and ozon (Winterswijk)

PACO3 (Leiden-Noord)

UV (Aarle Rixtel)

Ozone (Aarle Rixtel)

B-O3-B (biological pretreatment and ozone)
Microforce (integrated ozone and biofilm reactor)

PACAS + Fe

PACAS Nereda (Simpelveld)

PAC+cloth filtration (Vinkel)



- www.stowa.nl
- Recordings



Aquatech november 3 & 4

25-30 presentors

International contributions

video productions by H2video

reports

Research projects

community

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More information

www.stowa.nl (search: IPMV)

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