



Cyclodextrine polymers:

Innovation in adsorption technology

Coen de Jong (Witteveen+Bos)

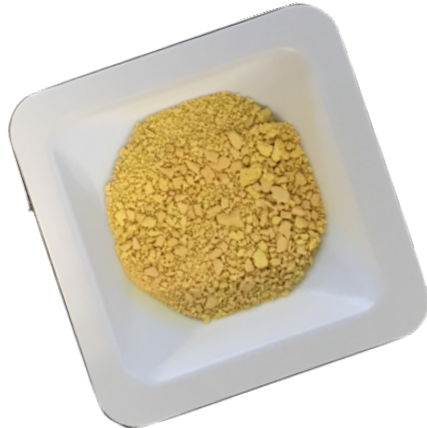
Jan Peter van der Hoek (Waternet)

Frank Cassou (CycloPure)

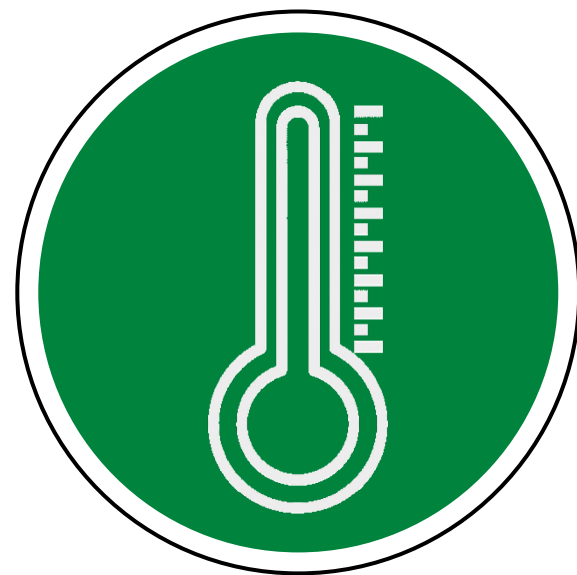


**Dutch Innovation on Micropollutants
Removal from Municipal Wastewater
November 7th 2019 Aquatech Amsterdam**

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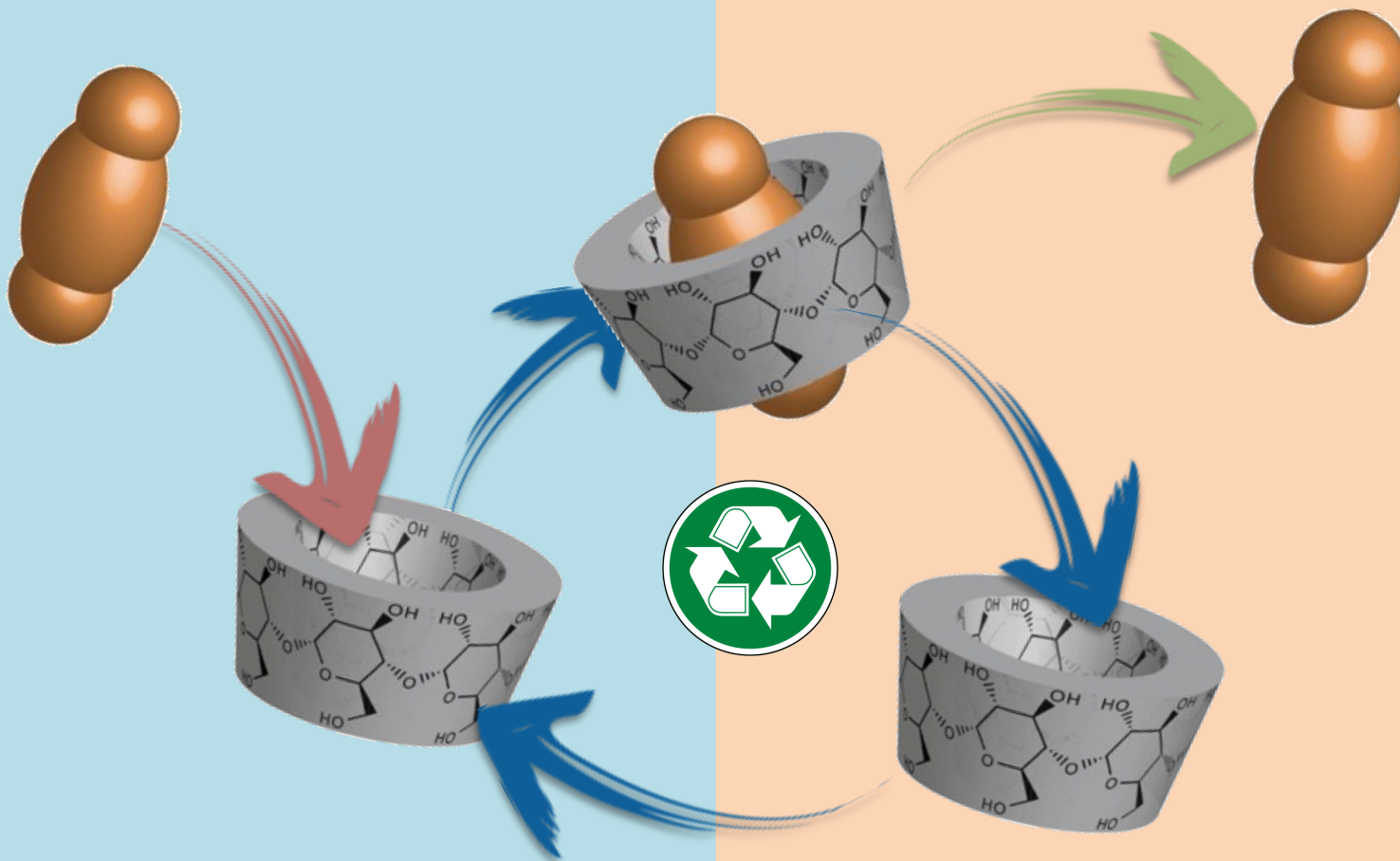


Cyclodextrin polymers



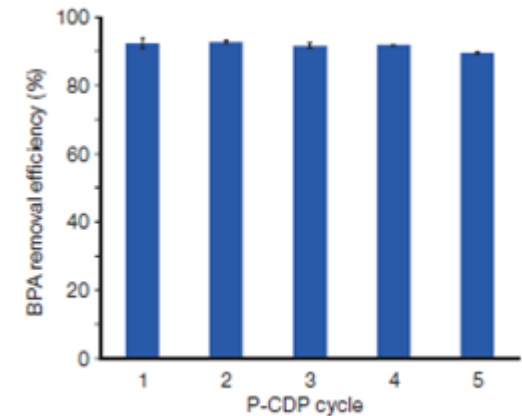
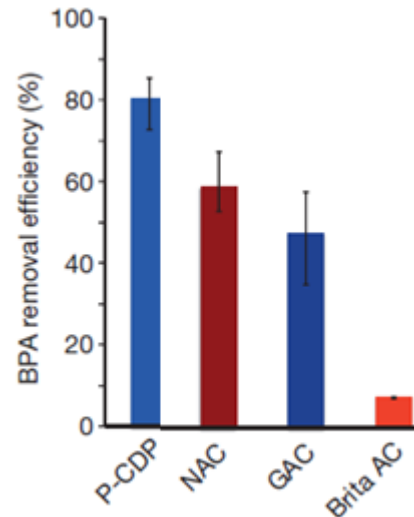
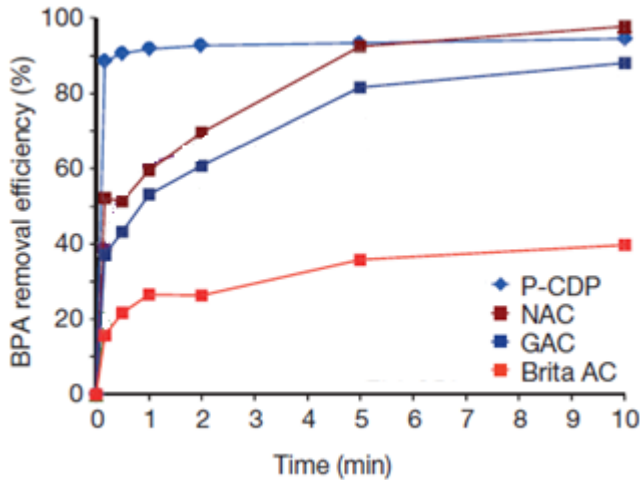
ADSORPTION

REGENERATION



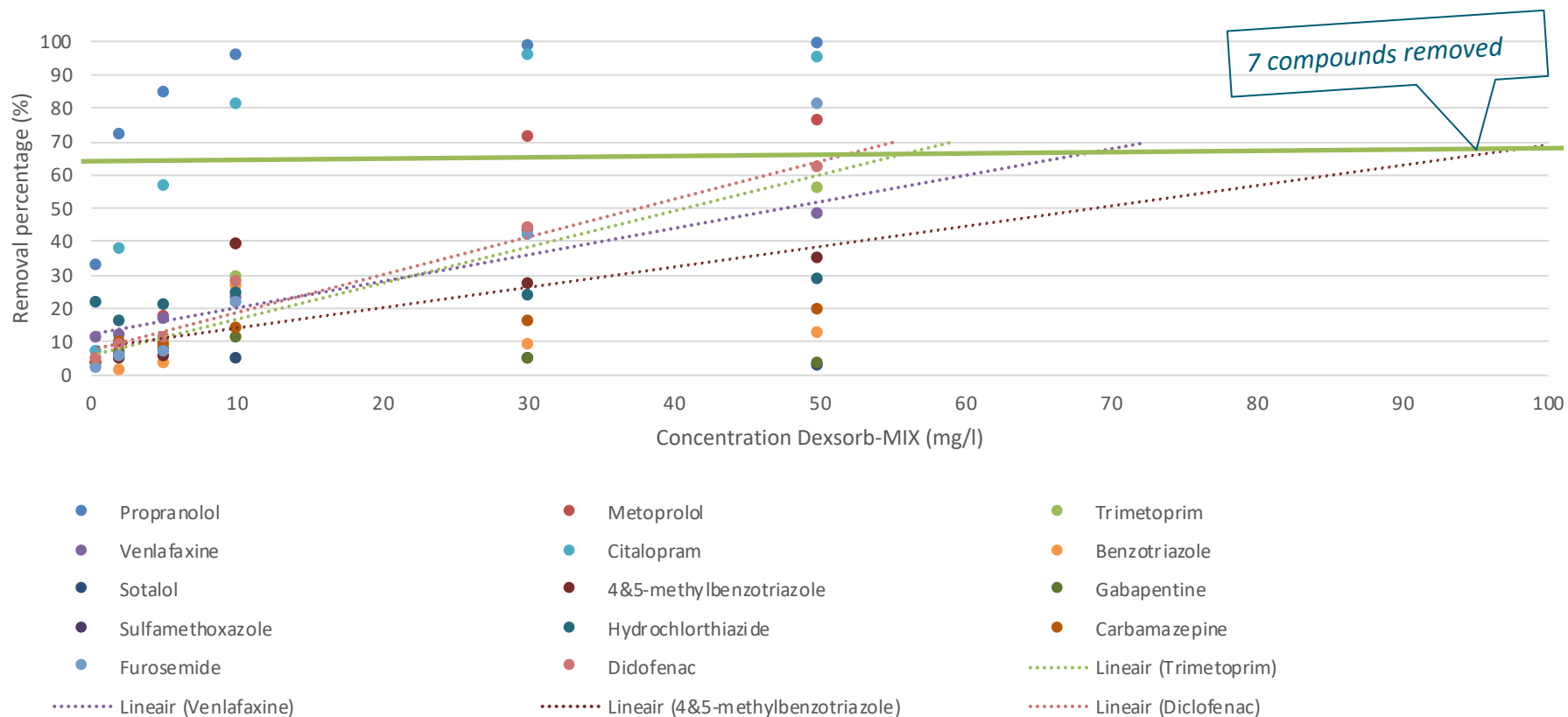
Feasibility study

- Literature & Lab study
- The promise:
 - Fast kinetics;
 - High removal;
 - Regeneration;



Feasibility study

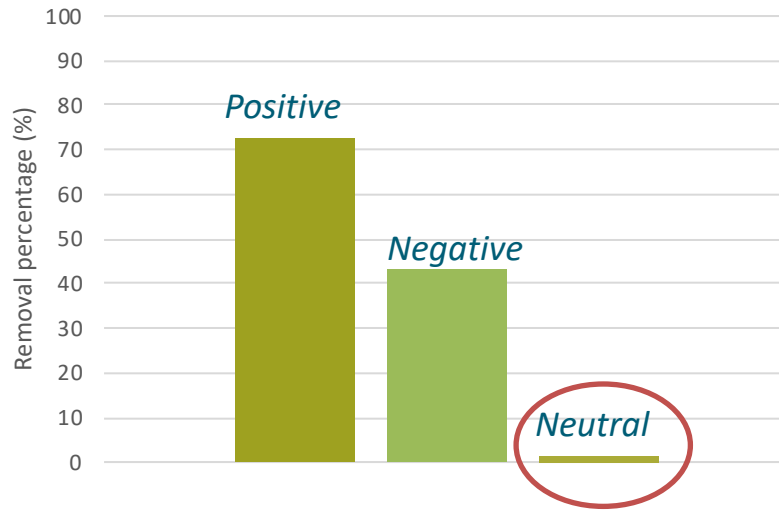
- Results based on lab research



Results

Criterion	Score in respect to ozonation + sandfiltration
Removal of micropollutants	-/0
CO2 footprint	++
Costs	+
Ecotoxicity	?

Further research



- Neutral compounds
- Continuous/higher dosing





Thank you for your attention!

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