

Biological filtration of treated waste water by Daphnia

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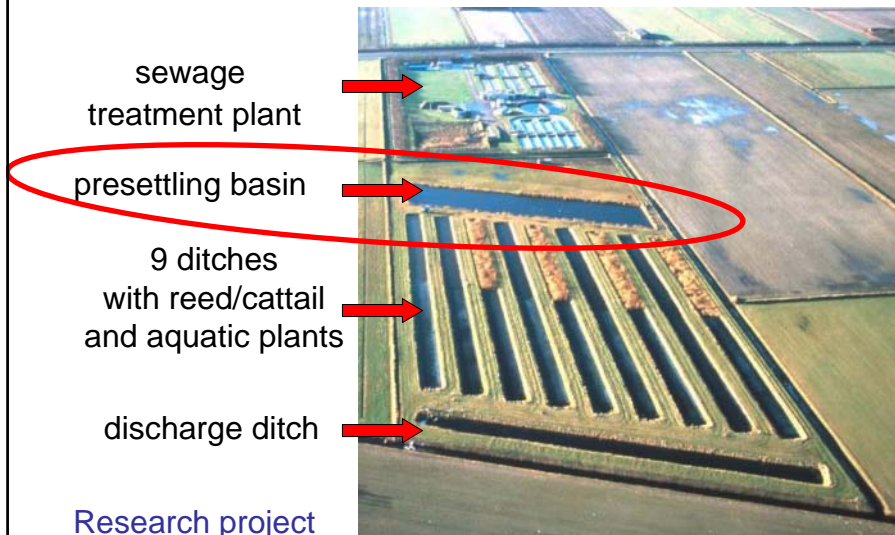
With Harm van der Geest, Lluís Sala, Anna Romani, Joaquim Comas, Theo Claassen, Sybren Gerbens, Rennie Neef, Wilbert Menkveld



This research project is part of PhD study of Ruud Kampf: experiments 2007 - 2008

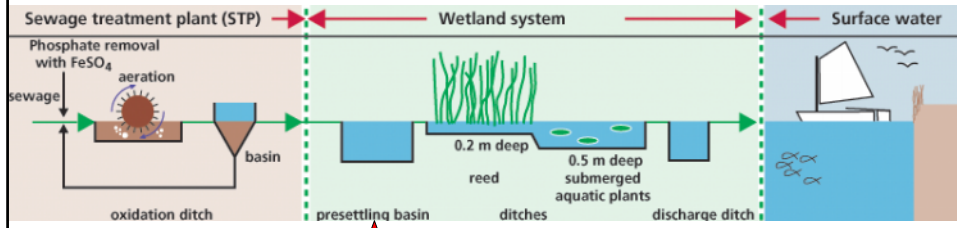


STP Everstekooog



Research project
1995 - 1999

Biological filtration by Daphnia



Focus on ponds fed by
well treated effluent
from activated sludge plants

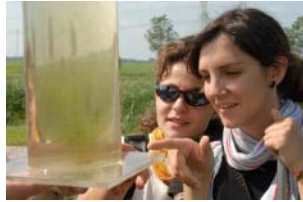


Daphnia

Daphnia food chains



Empuriabrava



Grou



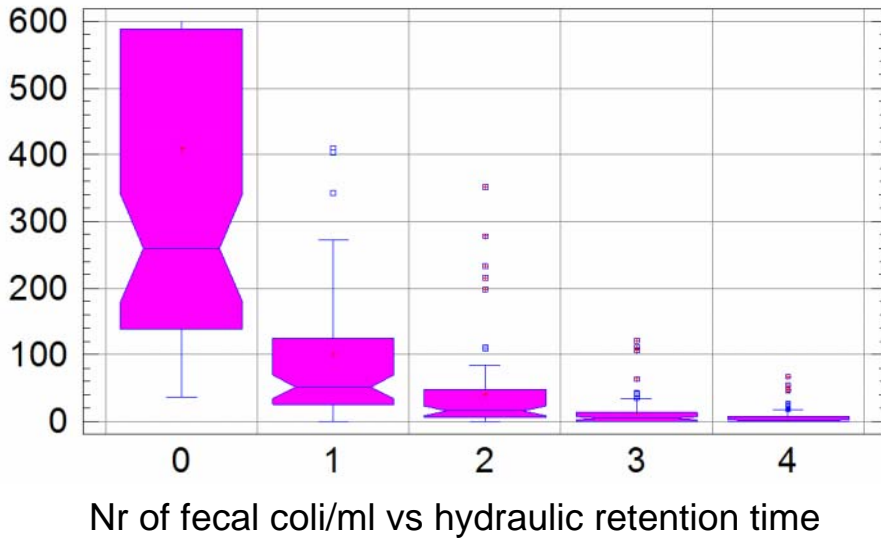
Eversteekog



Eversteekog Ponds and Mesocosms from 1998 - 2006



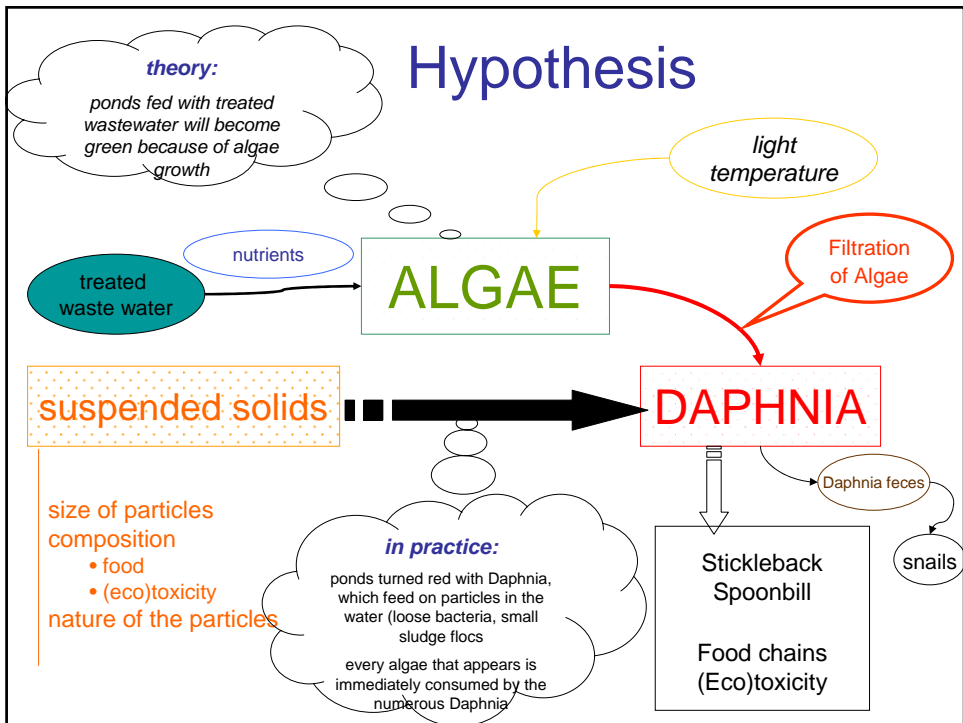
Fecal Coli removal



What do the Daphnia eat?


Algae or/and Sludge ??








Horstermeer


experiments in effluent upgrading
2005 – 2008








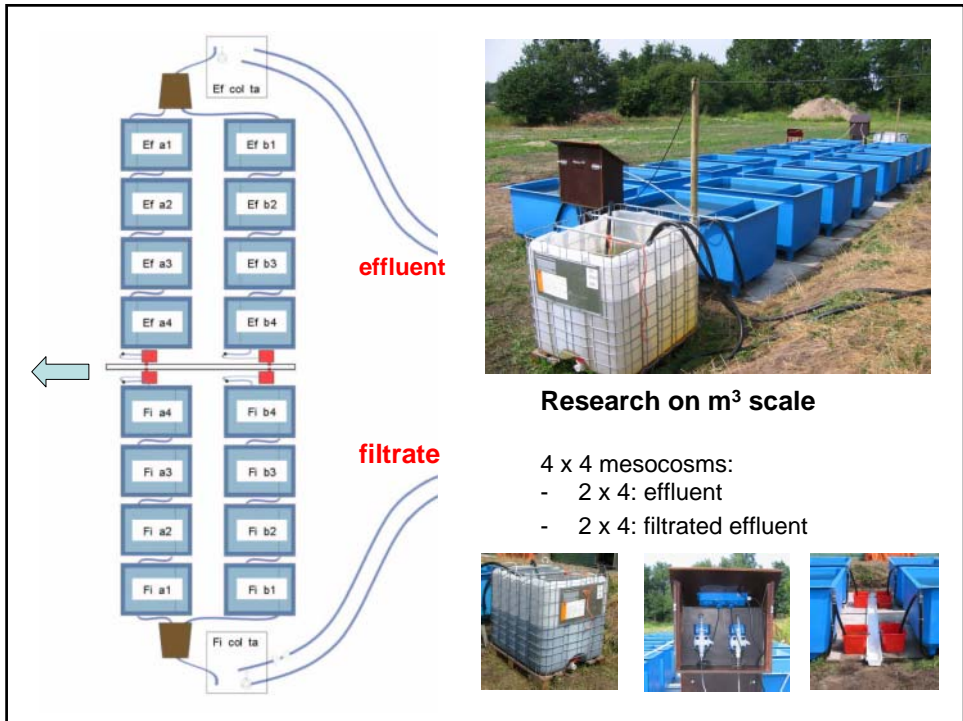









Biological filtration



Technical filtration



Equal experiments on three STP's

	<p>Horstermeer Netherlands</p>	<p style="color: red;">Effluent Filtrated effluent</p>	
	<p>Grou Netherlands</p>	<p style="color: red;">Parallel to ponds</p>	
	<p>Empuriabrava Spain</p>	<p style="color: red;">Parallel to ponds</p>	