

FEES AND REGISTRATION

Please complete the registration form if you are interested to attend the course

The form can be found in the Novedar Consolider website:
www.novedar.com/en/activities.asp

The course fee is 900 € in case of registration before the 15th of February, and 1000 € for registration after this date

The fee includes course material, coffee breaks, lunches, trips to the treatment plants, dinner on Wednesday, March 10th and Thursday, March 11th.

A limited number of fellowships are available for PhD students with a reduced fee of 520 €.

Fees must be paid by bank transfer. Please, use the following account specifications:

Account bearer: TU Delft TNW

Account number: 54.30.85.414

Bank Identification Code: ABNANL2A

IBAN: NL92ABNA0543085414

SWIFT Code: ABNANL2A

Bank Name: ABN/AMRO

Bank Address: Coolingsingel 119, 3000 DD Rotterdam

Please mention: TJG T20607 [mention here yourNAME]

Upon registration, information about accommodation will be provided.

Registration deadline: 25th February, 2010

ORGANIZATION COMITEE

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Organized by:
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Environmental Biotechnology Group*



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Funding entity:



<http://www.novedar.com/>



Advanced Workshop

**Novel wastewater treatment
concepts from The Netherlands**

Delft, 10-11-12 March 2010



NOVEDAR_Consolider

COURSE PROGRAM

The objective of this workshop is to show a complete overview of novel wastewater treatment methods that have been developed in the Netherlands. The workshop is aimed at professionals working in the field of wastewater treatment and related industries. PhD-students are welcome to participate for a reduced fee.

Lectures from leading university researchers and practitioners will be combined with visits to wastewater treatment plants. Treatment plants that will be visited include:

- The first full scale Sharon-Anammox plant for nitrogen removal from sludge digestion water,
- A private-public cooperation where anaerobic digestion, struvite precipitation and the one-stage Anammox (Canon) process are implemented,
- The Nereda® granular sludge process for sewage treatment
- The membrane bioreactor for wastewater treatment with full biomass retention,
- Decentralized sanitation (Desar) concepts,
- A super high rate anaerobic bioreactor for industrial wastewater treatment

A minimum number of 20 participants is required for the course. The maximum number of participants is 40.

Wednesday, March 10 th		Thursday, March 11 th		Friday, March 12 th	
8:45-9:30 h	Arrival and registration	8:30-09:00 h	Arrival with coffee	08:30-09:00 h	Arrival with coffee
9:30-9:45 h	Welcome and opening – <i>Jules van Lier, TU-Delft</i>	09:00-10:00 h	Aerobic granular sludge – <i>Mark C. M. van Loosdrecht, TU-Delft</i>	09:00-10:00 h	Decentralized sanitation- <i>Grietje Zeeman, WUR</i>
9:45-10:30 h	Sharon and Anammox – <i>Robbert Kleerebezem, TU-Delft</i>	10:00-10:15 h	Coffee break	10:00-10:15 h	Coffee break
10:30-10:45 h	Coffee break	10:15-11:15 h	Implementation of novel nitrogen removal concepts – <i>Wiebe Abma, Paques BV</i>	10:15-11:15 h	High-rate anaerobic treatment - <i>Jules van Lier, TU-Delft</i>
10:45-11:30 h	The Dokhaven sewage treatment plant – <i>Merle de Kreuk, Waterboard Hollandse Delta</i>	11:15-13:00 h	Travel to Olburgen, including lunch in the bus	11:15-12:00 h	Travel to Heineken treatment plant in Zoeterwoude
11:30-12:30 h	Travel to Dokhaven sewage treatment plant	13:00-14:00 h	Visit Olburgen treatment plant.	12:00-13:00 h	Lunch
12:30-13:30h	Visit Dokhaven treatment plant	14:00-15:00 h	Travel to Epe – Nereda process treatment plant	13:00-14:00 h	Visit the anaerobic high rate reactor in the Heineken treatment plant
13:30-14:30 h	Boat trip to Maeslantkering including lunch	15:00-16:30 h	Practical implementation of the Nereda process – <i>Bart de Bruin / Helle van der Roest, DHV</i>	14:00-16:00 h	Visit the membrane bioreactor (MBR) in Heenvliet
14:30-15:30 h	Visit Maeslantkering	16:30-18:00 h	Travel to Delft	16:00-17:00 h	Travel to Delft
15:30-16:30 h	Travel to Delft	19:30-22:00 h	Dinner in Delft	17:00-18:00 h	Farewell drinks and departure
16:30-17:30 h	New developments in biological P-removal – <i>Carlos Lopez Vazquez, IHE</i>				
17:30-19:00 h	Visit laboratories and buffet dinner at the 't Keldertje				