

Workshop Reservoir Restoration

Date: 22 April 2013

Location: Forum-Building (Building 102), Droevendaalsesteeg 2,6708 PB Wageningen, the Netherlands

Summary

This workshop forms a platform to discuss how to deal with the problem associated with an excess of nutrients in the sediments and to find solutions to solve the problem.

Three main topics are discussed: how to monitor and forecast algae blooms, how to remove the nutrients and algae from the water system and options to benefit, how to cooperate on global scale and learn from each other.

Programme

9:00 - 9:30 - Welcome and introduction (Prof. Huub Rijnaarts)

9:30-12:00 - Characterisation and monitoring algae blooms

- Johannes Smits (Deltares, the Netherlands) - Modelling of reservoirs and lakes for eutrophication management (25 minutes)
- Miguel Dionisio Pires (Deltares, the Netherlands) - Remote sensing tools: Modelling and forecasting algae blooms (25 minutes)
- Xiaopeng Qiu (XUAT, China) - Annual distribution of phytoplankton functional groups in Zhoucun reservoir (25 minutes)
- Bas van der Zaan (Deltares, the Netherlands) - Molecular techniques for identification of toxic algae (25 minutes)

Plenary discussion

12:00 – 13:30 lunch

13:30 – 16:00 - How to remove algae and options to benefit

- Stefan Jansen (Deltares, the Netherlands) - Puridrain technology to remove nutrients at the source (25 minutes)
- Xin Sun (XUAT, China) - Comparison of water-lifting aerator type for algae inhibition in stratified source water reservoirs (25 minutes)
- Tim Grotenhuis (Wageningen University, the Netherlands) - Nutrients harvesting and coupling to algae farming (25 minutes)

Plenary discussion

16:00 – 16:15 – Closing remarks

There are no registration costs for the workshop

For registration, please sent an email to romana.zigova@wur.nl

The number of participants are limited to max. 60.