

# 淡水生态学专题研讨会

## Freshwater Ecology Seminars (FES)

### (No. FES201604)

**主 题:** CH<sub>4</sub> and CO<sub>2</sub> emissions from inland waters: the role of aquatic vegetation

**报告人:** Assistant Prof. Dr. Sarian Kosten

Assistant professor at the Radboud University in Nijmegen

Guest researcher at NIOO-KNAW (Wageningen, The Netherlands)

**时 间:** 2016年6月22日 (星期三) 上午9:30

**地 点:** 中国科学院水生生物研究所博物馆506会议室

**组织者:** 淡水生态学研究

#### Assistant Prof. Dr. Sarian Kosten简介

Assistant Prof. Dr. Sarian Kosten (1975) holds a BSc in Aquatic Ecotechnology from the Hogeschool Zeeland. In 1999 she graduated for her MSc at the Wageningen University. She specialized in Water Quality Management and Communication. After working for a Dutch Water Board, the International Potato Center and the IUCN-World Conservation Union (both in Ecuador) she started her PhD research at the Wageningen University studying shallow lakes in different climate regions in Brazil, Uruguay and Argentina. In 2010 she defended her PhD thesis ‘Aquatic ecosystems in hot water: effects of climate on the functioning of shallow lakes’. She works at the Radboud University since 2013.

#### Her main scientific interests and research areas are:

1. Effects of climate change on aquatic ecology and water quality.
2. The carbon balance of inland waters.
3. Factors influencing the competition between different groups of primary producers (macrophytes, algae and cyanobacteria).

#### Her current projects:

1. VENI project “Climate effects on the carbon fluxes from aquatic systems to the atmosphere”. This project will be conducted largely at the NIOO-KNAW.
2. Carbon emissions from and burial in Brazilian inland waters Brazilian-Dutch CAPES-Nuffic project “Cyanobacterial blooms in a changing world”
3. Brazilian-Dutch project: “The impact of massive Water hyacinth stands on greenhouse gas emissions and nutrient cycling”
4. Chinese-Dutch project: “Methane emissions from shallow lakes: the effects of eutrophication, submerged vegetation and fish”

