



## LAKE VICTORIA: FROM THE SOURCE OF ALGAE POLLUTION TO ITS IMPACTS ON HEALTH

REVIEW OF THE CURRENT SITUATION AND SOLUTION TRACKS

4 - 5 MARCH 2021



### ONLINE WEBINAR

East African Time | 4 March 9 am -12.30 pm | 4 March 2 pm – 5.15 pm | 5 March 9 am – 12 pm  
Central European Time | 7 am – 10.30 am | 12 pm – 3.15 pm | 7 am – 10 am

**MANDATORY REGISTRATION**  
Links in the programme

Due to growing human activities in its watershed, Lake Victoria, the second biggest source of fresh water in the world, becomes progressively enriched with nutrients and is now considered as eutrophic.

One of the main consequences of eutrophication is the proliferation of macroalgae and/or photosynthetic microorganisms. These blooms disturb the functioning of the ecosystem as well as its uses, such as water supply and recreative activities, in particular when the bloom-forming species are toxic.

Funded by the French Facility for Global Environment (FFEM) and co-funded by the French Development Agency (AFD), French and African research teams worked for the past 4 years on the assessment of the water quality and the vulnerability of three lakes used for drinking water production in three African countries (WaSAf programme). In Uganda, these studies have been performed on Murchison Bay and Napoleon Gulf.



AFD Group in Eastern Africa is a proud partner of the 2021 Lake Victoria expedition led by Flip Flopi.

**#BeatPollution**

## Programme

Kindly note that registration is mandatory  
for each of the sessions you wish to attend

THURSDAY MORNING: 4 March 2021

→ REGISTER TO SESSION 1

Presentation of the main data collected during the WaSaf programme

East African Time	Chairman: M. Troussellier; Chat questions: C. Bernard	Speakers
9:00 – 9:20 am	Introduction / Presentation of the WaSaf programme	C. Yoka J-F Humbert
9:20 – 10:20 am	<b>Socioecological analyses of the causes and consequences of cyanobacterial blooms in Lake Victoria:</b> <ul style="list-style-type: none"> <li>• Presentation of the review paper published in Harmful Algae</li> <li>• Invited lecture on the recent evolution of the water quality in the main lake</li> </ul>	M. Olokotum F-J Muyodi
10:20 – 10:30 am	Break	
10:30 – 11:30 am	<b>Controlling factors of cyanobacterial blooms in the bays and gulfs of Lake Victoria</b> <ul style="list-style-type: none"> <li>• Presentation of the WaSaf data collected during the monitoring programme and the experimentations performed in Murchison Bay and Napoleon Gulf</li> <li>• Invited lecture on the potential impact of the blooms of cyanobacteria on fishes</li> </ul>	R. Semyalo C.Nyamweya
11:30– 12:30 pm	<b>Toxic risks associated with cyanobacterial blooms</b> <ul style="list-style-type: none"> <li>• Presentation of the WaSaf data on the cyanotoxins concentrations in Murchison Bay and Napoleon Gulf and in two water plants (Ggaba and Jinja)</li> <li>• Invited lecture on the exposition to cyanotoxins of populations living around the Nyanza gulf</li> </ul>	W. Okello  L. Sitoki

THURSDAY AFTERNOON: 4 March 2021

→ REGISTER TO SESSION 2

Round tables on: What lessons can be drawn from these results in terms of risk management and ecosystem protection / restoration?

East African Time	Chairman: W. Okello; Chat questions: C. Quiblier	
2:00 – 3:30 pm	<b>Round Table 1: Long term monitoring of the lake and its bays and gulfs</b> <ul style="list-style-type: none"> <li>• Opening presentation 1: Monitoring of the Lake Victoria: Current situation and prospects</li> <li>• Opening presentation 2: New approaches for the monitoring of cyanobacterial blooms</li> </ul>	L. Idrakua J.F. Humbert
3:30 – 3:45 pm	Break	
3:45 – 5:15 pm	<b>Round Table 2: How to limit the exposure of human populations to cyanobacterial toxins?</b> <ul style="list-style-type: none"> <li>• Opening presentation 1: What are the main exposure routes and the main risks associated with cyanobacterial blooms?</li> <li>• Opening presentation 2: How to limit human contamination by cyanotoxins                             <ul style="list-style-type: none"> <li>- Information for people</li> <li>- Improvement of water treatment processes</li> <li>- Household water treatment systems</li> </ul> </li> </ul>	C. Bernard  A. Roegner

FRIDAY MORNING : 5 March 2021

→ REGISTER TO SESSION 3

Round table on: What priorities to limit eutrophication and therefore blooms of cyanobacteria?

East African Time	Chairman: T. Bouisse, Chat questions: R. Semyalo	
9:00 – 10:20 am	<ul style="list-style-type: none"> <li>• Opening presentation 1: General overview on the main causes explaining the eutrophication of the Lake Victoria</li> <li>• Opening presentation 2: Assessment of the implementation of wastewater treatment in large urban areas</li> </ul>	J.F. Humbert  T. Bouisse
10:20 – 10:30 am	Break	
10:30 – 12:00 pm	<ul style="list-style-type: none"> <li>• Opening presentation 3: Assessment of the management actions performed on the watershed of the Lake Victoria</li> <li>• Opening presentation 4: Protection/ restoration of wetlands</li> </ul>	A.S Matano  T. Okurut

Organised by

