

## 9<sup>th</sup> World Water Forum, Dakar 2022

### Thematic Session Summary Template

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Action group:	1B
Session code:	1B1
Session title:	<i>Address all kinds of water pollutions, including industrial pollutants and Contaminants of Emerging Concerns</i>
Session summary	Water is an essential constituent for humans, and for life. Polluted water is often identified as the main vector to infectious pathogens, toxins and organic contaminants, which can be associated with a large number of chronic diseases worldwide. In the past decades, growth of human population and human activities have not only increased the quantity of waste discharged into water bodies, but also introduced emerging substances, including pollutants of industrial source, pharmaceuticals or micro plastics.
Keywords	Water Pollution Pollutants Contaminants of Emerging Concern Rehabilitation Innovation
Description of the session (250 words max.). It should include objectives and expected outcomes and/or questions that the session intends to answer/ Description de la session (250 mots maximum). Elle doit inclure les objectifs et les résultats attendus et/ou les questions auxquelles la session se propose répondre.	<p>This session takes up the challenge of covering all issues relating to water pollution, including pollutants of emerging or industrial interest. The objective of this session on water pollutions is to provide existing solutions and case studies on how to address the issue of water pollution, and to raise awareness about new kinds of pollutants that are not yet taken -or barely- into account in regulations, laws and water treatments.</p> <p>Divided into three parts, each time including a dialogue with the audience, the conference will focus on the challenges of pollution identification, monitoring and evaluation, and finally reduction of the pollution load.</p>
Projects included Confirmed convening organization(s) and contact information – session coordinators.	<p><b>Session Coordinators:</b> Alice Colson - AFD</p> <p>Ignacio Deregibus – IWRA</p>
Other associated organizations and stakeholders	IRD Youth Club / SUEZ/ CITY OF PARIS / UNEP / SUEN / ONAS / SIAAP / VITO
Duration of the session (max. duration allowed is 90 minutes)/ Durée de la session (la durée maximale autorisée est de 90 minutes)	90 minutes
Draft session schedule (expected times for	<b>00:00 – Introduction :</b>

presentations, panel discussions, etc.)/ Projet de programme des sessions (heures prévues pour les présentations, les discussions de groupe, etc.)

Club Jeunes IRD : About different water pollutions and their impact on health, ecosystems and the economy.

**00:05 – Framing the session by AFD moderator**

**00:07 Part 1 – IDENTIFY: identify sources of pollution, their nature, their origin**

(5min) ONAS – of reinforcing sanitation systems to avoid groundwater pollution in Senegal – Dr Papa Samba DIOP

(5min) Suez Consulting - RSDE (research and reduction of discharges of hazardous substances) initiative on micropollutants identification- Pol'solutions - Julien Dupont

00:20 10 min discussion with the audience – what solutions do you know to identify sources of pollution? (on an app or on a paperboard)

**00:30 Part II – MONITOR : Implement evaluation and monitoring mechanisms**

(5min) WWQA – World Water Quality Alliance, key findings - Nina Raasakka

(5min) SUEN – An overview to Turkey nationwide Wastewater-based SARS-CoV-2 Epidemiology project: Routine Monitoring Covid-19 outbreak and future perspectives for emerging contaminants beyond Covid-19- Bilge Alpaslan Kocamemi

(5 min) VITO - How a holistic method to tackle emerging pollutants can prevent drowning - Katrien Van Hooydonk

00:40 10 min discussion – are current approaches sufficient to assess water quality?

**00:55 Part III – REDUCE : reduce the pollution load. When harm is done, what do we do?**

(5 min) City of Paris – Comparative approach to water quality for bathing in Dakar, Tokyo and Paris. Yann Boghal

(The implementation of solutions aimed at reducing the impact of pollution on the environment: curative approach with the example of the screen in Minato, preventive approach with the example of Paris Rain, aimed at limiting unit water discharges in the Seine when the network is saturated).

(5min) SIAAP – River Rehabilitation in the Philippines – Joakim GIACOMONI

(5min)

1:15 10min discussion –How can we

	implement realistic standards and regulations for water pollutions?
Expected panellists / speakers / moderators/ Panélistes / intervenants / modérateurs attendus CGs ontributions received that will be included in the session (with a word or two about how they are included)/CGs Contributions reçues qui seront incluses dans la session (avec un mot ou deux sur la façon dont elles sont incluses)	Moderator : Mrs Alice Colson – AFD (F) Club Jeunes representatives – IRD –(Y) Suez – Julien Dupont (M) City Of Paris – Yann Bhogal (M) SUEN – Mrs Bilge Alpaslan Kocamemi(F) ONAS – Dr Papa Samba Diop (M) SIAAP – M. Joakim Giacomoni (M) WWQA - Nina Raasakka Vito Be - Katrien Van Hooydonk (F)
Expected outcomes, impacts, and follow-up linkages with events and initiatives after the Forum	The objective of this session focusing on water pollutions, including industrial pollutants and Contaminants of Emerging Concerns, is to provide existing solutions and case studies on how to address the issue of water pollution, and to raise awareness about new kinds of pollutants which are not yet taken -or barely- into account in regulations, laws and water treatments. This session will be a useful way to gather knowledge on how to identify, monitor, and tackle some specific sources of pollutants, as well as better understand the issue of emerging contaminants.