

## SESSION DESCRIPTION FORM 2.

### 10<sup>TH</sup> WORLD WATER FORUM

**This Session Description Form 2 is for the specified program of the session. Please complete this form no later than **28th of February 2024**.**

*\*The session description 1 (online form) is separately requested for the session coordinators to deliver a concise session outline with the contact info and the logistical requests.*

#### Session Code and Title:

T2B3 - Evidence for and valuation of water-related Nature-based Solutions

#### Session Coordinators (Name, Position, Organization, email, mobile number):

Andrea Ferret-Lambert, Water and European Affairs Policy Advisor, French Biodiversity Agency,  
[andrea.ferret-lambert@ofb.gouv.fr](mailto:andrea.ferret-lambert@ofb.gouv.fr) , +33 6 61 38 59 80

#### Session Description including objectives and expected outcomes (500 words maximum):

Oftentimes, Nature-based Solutions to water issues are not on the radar of decision-makers because of a perceived lack of proof and profit. Nature-based solutions can help mitigate the adverse effects of climate change related to water, such as flooding and droughts, as well as producing valuable ecosystem services such as increasing water quality. Such solutions can look like restored and protected wetlands and mangroves, higher ecological connectivity, or restored floodplains.

Innovative solutions for monitoring for improved decision making, such as carbon sequestration evaluation and collective monitoring should be included in the design phase of the implementation of Nature-based Solutions in order to create data on the impacts of each aspect of the projects. The role of the science-policy-society interface in nature-based Solutions mainstreaming is important: scientists and researchers need to be at the forefront of Nature-based Solutions accounting and monitoring.

The data resulting from this monitoring should be shared between decision-makers, citizens and private sector actors and be taken into account during the whole project cycle, from design, to implementation, to monitoring and valuation. Therefore, the burden of monitoring should be shared by multiple parties and distributed across multiple scales, including communities at the local level, in order to be efficient and relevant to decision-making.

Indeed, the ecosystem services provided by Nature-based Solutions often impact local communities the most, providing resources and benefits which are in synergies with issues such as food, water and energy security. Finally, the by-products of Nature-based Solutions can be valorized through recycling and circular economy to further empower local communities. Therefore, including local communities and traditional knowledge is paramount at any step of the project to ensure the system in place is resilient, sustainable, and beneficial to all.

This session will look at proven and experimental methodologies for benefits accounting aiming to convince decision-makers. It will discuss concrete methods to capture evidence for Nature-based Solutions for water quantity and quality issues in a changing climate. Panelists will look at ways to make the case for green infrastructure and ecosystem protection through measuring, monitoring and promoting the diverse values of Nature as defined by IPBES, including tangible and intangible benefits, such as the sacred values of Nature.

#### Session plan

ESTIMATED TIMING	ITEM DESCRIPTION / ROLE	SPEAKERS	SPEAKERS STATUS (OK OR TBC)
10 minutes	Opening remarks	Mr Olivier Thibault, French Biodiversity Agency General Director, WWC Governor	TBC
5 minutes	Keynote speech	Prof. Maciej Zalewski	TBC
Total : 30 minutes	Roundtable discussions - short presentations followed by questions	Moderator: Ms Andrea Ferret-Lambert (OFB France)	OK
5 minutes	Quick presentation of project	Mr José Fernandez (Aquafondo, Peru)	OK
5 minutes	Quick presentation of project	Ms Aloïs Aguetant (Up2Green Reforestation, France)	OK
5 minutes	Quick presentation of project	Dr Rofiq Iqbal, PhD (researcher on biofilters and Wetlands, Indonesia)	OK
5 minutes	Quick presentation of project	Ms Catarina Baptista (VITO, Belgium)	OK
5 minutes	Quick presentation of project	Ms Mahua Mukherjee (SAADRI Young Professionals, India)	TBC
5 minutes	Quick presentation of project	Mr Stefano Fazi (IRSA-CNR, Italy), Mr Giuseppe Arduino (UNESCO Ecohydrology SAC)	OK
20 minutes	Moderator Q&A	Moderator: Ms Andrea Ferret-Lambert (OFB France)	OK
20 minutes	Audience Q&A	Moderator: Ms Andrea Ferret-Lambert (OFB France)	OK
10 minutes	Closing remarks	Prof. Ignasius D.A. Sutapa, Executive Director of APCE - UNESCO C2C Indonesia;	OK

		Prof. Indah Prihartini, International Center of Sustainable Water Ecosystem for Renewable Energy and Smart Organic Farming (iCOFFEES) - University of Muhammadiyah Malang (UMM), Indonesia	
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