



## 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:

T3A1: Community-based Participation: Combining innovative technologies and approaches with local wisdom

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

Renaud Hostache, Institut de Recherche pour le Développement (IRD), France, renaud.hostache@ird.fr

Anthony Akpan (Pan African Vision for the Environment), Nigeria, ajakpan@yahoo.com

Kenichiro Tachi (Infrastructure Development Institute Japan), Japan, tachik303@idi.or.jp

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

While water offers many opportunities for the shared prosperity of people and societies, too much water can lead to floods. Globally, floods are one of the most disruptive natural hazards in terms of human fatalities, economic damages, and environmental impacts and at the same time have positive effects in many areas around the world (e.g. Amazon) on various activities such as fishery and agriculture. Therefore, better managing, and reducing the negative impacts of floods while maintaining its positive impacts is essential for sustainable development and shared prosperity.

Integrated Flood Risk Reduction and Management calls for a holistic approach, in which actions are focused on reducing both the likelihood of flooding and its negative impacts on people, communities, societies, ecosystems, and the economy. This requires a risk-based approach to flood prevention and management.

In this session, we want to focus on the initiatives taken to integrate various stakeholders (in particular managers and population of local communities), combining innovative technologies and approaches with local wisdom, codevelop actions and strategies to ensure further progress on this holistic approach, and actually implement them. This includes the integration along several aspects, including but not limited to the integration and participation across different societal actors. Designing solutions to floods requires a strong political commitment and leadership. However, this cannot be disconnected from an all-of-society approach to ensure that no-one is left behind. Participatory approaches are essential for co-creating these solutions. On this aspect, a strong engagement of the society and large panels of stakeholder in the codesign and implementation of adaptation strategies, protection/mitigation actions and monitoring are a key element to further increase preparedness and resilience and make them sustainable.

This session will be based on two subsequent moments. After a brief introduction of the session by coordinators, six short talks will be given to present case studies, from various regions and contexts, on the involvement of local communities for better water resources and flood risk reduction and management. Next, a round table involving all session speakers will be introduced and animated by a young researcher from Brazil conducting research on the codesign with local communities of climate change adaptation strategies. The wide audience will be invited to participate in the discussion and ask questions to the speakers. A summary of the key session take-aways will close the session. In Particular, we aim to show how

participatory and inclusive approaches involving local communities can help design and implement more sustainable flood risk reduction and management strategies and what are the challenges ahead.

**Detailed Session plan:**

ESTIMATED TIMING	ITEM DESCRIPTION / ROLE	SPEAKERS	SPEAKERS STATUS (OK OR TBC)
5 minutes	Introduction	Session coordinators	OK
10 min presentation (10 min talk and 2 min Q&A)	Flood Resilient Landscapes: a participatory design approach for flood resilient spatial planning. This design approach aims to create social added value while promoting or at least maintaining flood risk management, given (future) spatial and societal developments. This presentation will discuss pilot cases from the Netherlands.	Annegien Tijssen (Female, Deltares, Netherlands, Research Institute, <a href="mailto:Annegien.Tijssen@deltares.nl">Annegien.Tijssen@deltares.nl</a> )	OK
10 min presentation (10 min talk and 2 min Q&A)	This presentation will discuss the role of a 'two-path' approach to watershed management planning that creates equal partnerships between Indigenous and non-Indigenous governments and opportunities to bridge western technologies and Indigenous knowledge for better water management and climate change adaptation.	Marina Puzyreva (Female, International Institute for Sustainable Development (IISD), Canada/Switzerland, NGO, <a href="mailto:mpuzyreva@iisd.ca">mpuzyreva@iisd.ca</a> )	OK
10 min presentation (10 min talk and 2 min Q&A)	This study delves into the Traditional Ecological Knowledge (TEK) of Uttarakhand to gain insights into the local communities' effective flood management practices.	Sakshi Goyal (Female, Indian Institute of Technology Roorkee, India, Academia, <a href="mailto:sakshi_g@dm.iitr.ac.in">sakshi_g@dm.iitr.ac.in</a> )	TBC
10 min presentation (8 min talk and 2 min Q&A)	Our case study focuses on the implementation of a solar water pump system in Tafuli Village last August. This project stands out due to the significant involvement and contribution of the local community.	Mustika Wijaya (Female, Solar Chapter, Indonesia, NGO, <a href="mailto:mustika-wijaya@solarchapter.com">mustika-wijaya@solarchapter.com</a> )	OK
10 min presentation (10 min talk and 2 min Q&A)	A success story of a catchment-wide flood risk management approach, involving local communities and residents as contributors to store rainwater,	Takashi Namba (Male, City Mayor of Shizuoka City, Japan, Local Government, )	OK

	prevent runoff, and raising awareness, etc.		
10 min presentation (10 min talk and 2 min Q&A)	Embedding innovative solutions within local communities is a complex one that requires careful consideration of the unique context and behaviors of the community. Rather than attempting to impose foreign methodologies or approaches onto the community, it is important to derive solutions from within the community itself.	Gazi Nouman (Male, Sudan Youth Parliament for Water, Sudan, NGO, gazigibrilnouman@hotmail.com)	OK
Panel round table 25min (speakers+ Moderators)	A set of questions and subjects for the round table will be prepared beforehand with session contributors (selected speakers and other contributors), session coordinators and round table moderator (Neriane Nascimento da Hora)	All speakers + Session Coordinators + Neriane Nascimento da Hora (neri.dahora@gmail.com, Sustainable Development Center - Brasilia University (UnB) and Society for Environmental Research and Protection (SAPOPEMA) (introduce the panel discussion + ask questions and create a dynamic in the discussion)	OK