



SESSION DESCRIPTION FORM 2.

10TH WORLD WATER FORUM

Session Code and Title:

T1C1 Solutions for managing water for agriculture within river basins

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

Christopher Neale, Director of Research, Daugherty Water for Food Global Institute, University of Nebraska, cneale@nebraska.edu +14357700297

Jean-Martial Cohard, Lecturer, Institute of Geosciences and Environment (IGE), Univ. Grenoble Alpes, jean-martial.cohard@univ-grenoble-alpes.fr +33 4 38 38 82 03

Lance William Gore, Principal Water Resources Specialist, Asian Development Bank, Philippines, lgore@adb.org

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

This session will explore solutions for managing fresh water in basins considering climate change and future weather extremes.

Many options will be discussed, including additional storage infrastructure, groundwater recharge, reuse of treated municipal wastewater, and application of nature-based solutions.

The focus will be on solutions that build resilience - mitigating impacts of floods and droughts and guaranteeing water resources for agricultural food production, food security and other uses.

Examples will include management of river basins in Spain and Saudi Arabia for multiple uses as well as conservation efforts and sustainable approaches to support food production in Africa.

Expected outcomes from the session include an increase in knowledge among participants on the need for changing the management of water in multi-use basins and the suite of additional storage options available to reach this goal.

Detailed Session plan :

ESTIMATED TIMING	ITEM DESCRIPTION / ROLE	SPEAKERS	SPEAKERS STATUS (OK OR TBC)
5 min	Welcome and Session Introduction	Christopher Neale, Daugherty Water for Food Global Institute, University of Nebraska	OK
5 min	Opening Remarks	Nancy J. Eslick, USAID Global Water Coordinator, Senior Deputy Assistant to the Administrator	OK
60 min	Case studies: <ol style="list-style-type: none"> 1. Planning and Management of River Basins in Spain 2. Managing Dams for Downstream Drought Mitigation using Multiple Data Sources 3. Examples of Conservation Activities in African Watersheds to Improve Water Availability for Food Security 4. Integrated Water Management for Sustainable Agriculture in Zambia: A Case Study of the Kafue River Basin 	<p>Concepción Marcuello, Spanish General Directorate for Water - Ministry for Ecological Transition and the Demographic Challenge.</p> <p>Raied Alharbi, Ministry of Environment, Water and Agriculture of Saudi Arabia</p> <p>Nicole Van Abel, Senior Water Resources Management Advisor, USAID</p> <p>Teddy K Chifumbano, World Youth Parliament for Water, France</p>	<p>OK</p> <p>OK</p> <p>OK</p> <p>OK</p>
20 min	Discussion with Audience and Panelists	<p>Jean-Martial Cohard Institute of Geosciences and Environment (IGE), Univ. Grenoble Alpes</p> <p>Lance William Gore, Asian Development Bank, Philippines</p>	<p>OK</p> <p>OK</p>