Concept Note

Introduction

Globally, we are dangerously off track in meeting the current objectives of water-related Sustainable Development Goals (SGDs). This is particularly evident with SDG6 - clean water and sanitation for all.

A major obstacle in providing efficient and sustainable water solutions is the lack of information on current and future water resource availability. Understanding water resource availability is crucial for decision-makers looking at water demand in the food and energy nexus or considering the risks posed by floods and droughts.

The End of the Pilot phase workshop introduces the major milestones achieved during the pilot phase of World Meteorological Organization's **Hydrological Status and Outlook System (HydroSOS):** A system for monitoring and predicting global freshwater hydrological conditions and briefs on the future plans of the project. This event provides an overview of HydroSOS, providing a platform for assessing the current hydrological availability and outlooks under a changing climate. Water status and outlook systems are key components of evidence-based decision-making regarding climate change adaptation. The event will feature an outline of the HydroSOS concept, progress in the project so far which includes the technical developments done during the pilot phase, and a presentation on the challenges and opportunities associated with global implementation.

Goals and Objectives

As HydroSOS enters its implementation phase, this workshop represents an excellent opportunity and provides a space for showing our gratitude to all experts involved in the pilot phase, for knowledge exchanges and the sharing of lessons learnt and practical information on how to strengthen capacity of the NHMS and agencies to implement HydroSOS on a regional level. The event has five main goals:

- Discuss the technical developments of the pilot phase of HydroSOS, its demonstration portal, and the major conclusions from this phase.
- Share lessons learnt and discuss new entry points and innovative approaches to improve the System/framework and encourage participation of the members to the project.
- Discuss the benefits of implementing the system

- Explore potential partnerships for HydroSOS and invite members to implement or engage in HydroSOS at a national and regional scales.

The event will inform policymakers, civil society groups and development organizations on the importance and necessity of HydroSOS, that enables timely, consistent forecasting and status assessments in a global scale in order to be resilient against climate change and develop adaptation plans in a regional and global scale. This advances two intersectional goals: climate action (SDG13) and clean water sanitation for all (SDG6).

Agenda

Platform: Zoom. Register here
Date: 7 December 2021
Chair for the Session: Alan Jenkins

Time (CET)	Item	Speaker
14:00 – 14:05	Kick-off	Alan Jenkins - UKCEH
14:05 – 14:10	Welcome	DSG Elena Manaenkova - WMO
14:10 – 14:20	HydroSOS overview	Katie Facer-Childs - UKCEH
14:20 – 15:30	Presentations by Work Package Leaders	Work Package Leaders
15:30 – 15:35	Break	
15:35 – 15:55	Lessons Learnt & Challenges	HydroSOS Project Coordination Members
15:55 – 16: 10	The Way forward	Johannes Cullman - WMO
16:10 – 16:20	Closing remarks	Alan Jenkins - UKCEH

Event Modality

This event will commence with a general introduction of HydroSOS, followed by presentation from leaders of each work package, present and discuss lessons learnt and the way forward. This shall be followed by a Q&A session. The format of this event will be a virtual meeting through Zoom. This event will be conducted in English with translation to Spanish, French and Russian.

Participants

All contributors to the pilot phase, along with the experts and focal points from the Members (already a part of HydroSOS) will be invited to participate, as well as HAs of other Members, RHAs, HCP members, SC-HYD and JET-HYDMON experts. The participation will also be open to any hydrological experts interested in attending (invitation through their RHAs).

Schedule of Activities

This event will be conducted on December the 7th, 2021 at 14:00 – 16:20 CET

*For more information about HydroSOS please visit: HydroSOS Community Website