

FLOOD & DROUGHT MANAGEMENT TOOLS



Workshop title: Using planning tools to support the TDA/SAP development and updates

Organisers: DHI and the International Water Association (IWA)

Tuesday, 6 November 2018 – 11:00-12:30

Session description:

Extreme climate events are a reoccurring theme of many transboundary diagnostic analyses (TDA) and strategic action programmes (SAP). The IW focal area of the GEF identified the increased frequency and unpredictability of floods and droughts as a priority concern in transboundary contexts, along with the other multiple drivers that cause depletion and degradation of shared water resources.

Responding to these needs, GEF IW has produced an online Flood and Drought portal (<http://www.flooddroughtmonitor.com/home>) which can support transboundary basins in their planning processes including developing and updating their TDA and SAP. The portal provides planning support to combine, consider and address multiple priority stresses for individual water bodies with a view to optimizing water resources management.

The portal has a number of technical applications to assist land, water and urban area managers operating in transboundary river basins to recognise and address flood and drought impacts including their increasing magnitude, variability and unpredictability. The applications can be applied individually or together to incorporate information on floods, droughts and future scenarios into existing planning processes across scales.

The development and use of this portal also responds to the GEF 7 strategy, especially under strategic action 3.1 which focus on “Advanc[ing] information exchange and early warning. This includes use of ‘Flood and drought early warning systems and disaster risk management plans’, as well as “Enhanced capacity to gather, distil and process data sources into policy relevant analysis”.

The workshop will provide in-depth knowledge on how such methodology and tools focusing on planning with climate change can specifically support the TDA/SAP process. The session will be an opportunity to explore pathways for applying the tools in the Flood and Drought Portal across the GEF IW freshwater portfolio to improve planning and management of water resources in the context of climate variability and change.

The applications are designed to be used across more than 220 transboundary basins worldwide. The workshop will also include insights from some of the testing basins (Volta, Lake Victoria and Chao Phraya basins) on their experiences with the package of tools, and how they have been or are being integrated into their planning processes.

Session goals:

Objectives

- To promote learning and knowledge exchange with GEF IW projects on using advanced information exchange (e.g. using the Flood and Drought portal) in developing and updating TDAs and SAPs.

Outputs

- Participants gain exposure and experience in the use of data tool solutions for planning and water management, specifically for the TDA/SAP process.
- Participants acquire skills in navigating the applications available which can support their TDA/SAP development and updating

Outcomes

- Strategic recommendations for GEFSEC around the integration of Flood and Drought Portal into the TDA/SAP processes

Agenda:

Time	Item	Who
11:00-11:05	Introduction	Peter Bjørnsen, DHI
11:05-11:20	Overview of the portal	Bertrand Richaud, DHI
11:20-11:30	Questions and answers	Bertrand Richaud, DHI
11:30-12:10	Roundtable discussions (4) with guiding questions: Understanding your experience <ol style="list-style-type: none">1. Have you already done a TDA or SAP in your basin?2. What planning approaches/tools do you use in your basin?3. Do you use updated climate information to plan for floods and droughts in your current planning process (e.g. TDA/SAP)?4. If so, where do you get this information from, and how do you use it?5. How do you monitor progress of the implementation of the SAP in your basin?6. Do you rely on earth observations when monitoring the progress of the implementation of the SAP in your basin?7. Do you have access to frequently updated earth observation data/images? At what cost? Understanding your needs/gaps <ol style="list-style-type: none">8. What data and analysis are missing? Applying the Flood and Drought Portal <ol style="list-style-type: none">9. Do you see a potential for applying the tools presented to improve the stakeholder consultations and thus the planning in your basin? How?	Per Hansen, DHI Bertrand Richaud, DHI Ticha Lolupiman, HAI Apimook Mooktaree, HAI Katharine Cross, IWA Raul Glotzbach, IWA
12:10-12:20	Highlights from roundtable discussions	Katharine Cross, IWA (Facilitator)
12:20-12:30	Strategic recommendations	Per Hansen, DHI



About the project

The Flood and Drought Management Tools project is being implemented from 2014-2018, and is supported by the Global Environment Facility trust fund with the UN Environment as the implementing agency. DHI and the International Water Association are the executing organisations. Visit fdmt.iwlearn.org for more information.