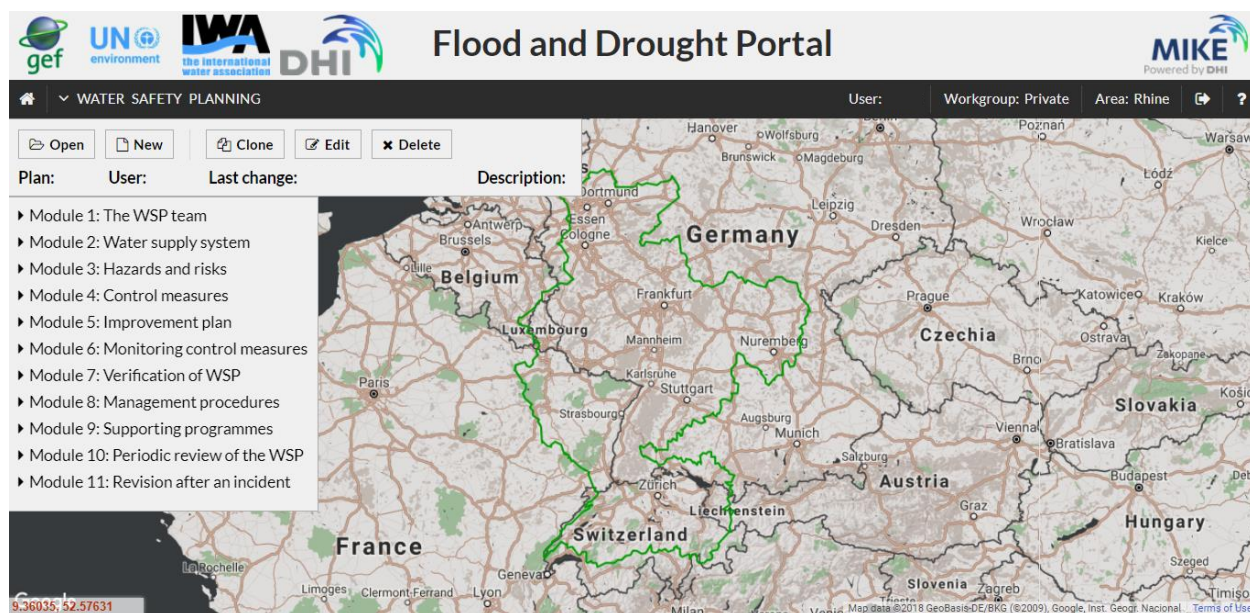


Taking action in transboundary basins

Before the approaching Christmas break, water practitioners, health professionals, representatives of water-using sectors and authorities responsible for addressing climate change impacts, at the national and transboundary levels, representatives of bilateral and multilateral donors, financing institutions and the private sector convened in Geneva for a series of water and climate change related meetings organised by the United Nations Economic Commission for Europe from the 11th to 13th December 2017.

As part of the [International Workshop on Water Scarcity](http://www.flooddroughtmonitor.com/home) – aimed at accelerating actions to address water scarcity and thereby reducing the related health, social, economic and environmental risk through the exchange of practical solutions – Raul Glotzbach (Programme Officer, IWA) on behalf of the Flood and Drought Management Tools project, <http://fdmt.iwlearn.org>, moderated a ‘market place’ roundtable discussion with the aim of sharing approaches, tools and examples for addressing water scarcity from the health perspective and in transboundary basins in an interactive setting enabling discussions in smaller groups.

An overview and demonstration of the Flood and Drought Portal, <http://www.flooddroughtmonitor.com/home>, focussing on a number of technical applications, namely the data and information application and WSP supporting application, prompted discussions around establishing valuable and meaningful tools for end users that are reliable in addressing climate related hazards.



WSP supporting application

Before returning to our respective countries, a 1 day workshop was organised with support from UNECE, WMO and IW:LEARN on the 13th December convening a number of basin level representatives in particular ongoing GEF projects. The workshop contributed to the FDMT project objectives regarding the TDA/SAP (or transboundary diagnostic analysis and strategic action programme) process. At the same time, the workshop helped fulfil IW:LEARN's face-to-face services to GEF projects, specifically through their twinning programme.

The workshop, which targeted GEF projects developing TDA and/or SAP (as well as other that could benefit), provided an introduction to the technical applications developed under the FDMT project, and

more importantly, how the FDMT methodology and associated applications can be implemented in GEF projects to support the TDA and/or SAP processes.

The workshop specifically addressed topics as identification of environmental impacts and their underlying causes, selection of relevant indicators, access to near real-time climate data for planning, drought assessment, basin planning and dissemination of relevant reports or bulletins. Discussion focused on the relevance of the developed applications to participants ongoing work. The valuable feedback will greatly contribute to the finalisation of technical applications ensuring that the project outputs are meaningful and relevant for transboundary basin planning.



Participants during the training at WMO, 14 December 2018

Agenda

Technical training		
Introduction to the drivers or causes behind flood and drought, use of indicators to measure the state of specific causes and overview and knowledge of relevant data – Basin planning		
Time	Title	Responsible
09.30 – 09.45	Introduction and welcome	IW:Learn
09.45 – 10.15	Setting the scene – climate challenge in river basins <ul style="list-style-type: none"> Short introduction from each river basin 	UNECE
10.15 – 10.30	Scope and agenda for the training <ul style="list-style-type: none"> Brief introduction and status of the Flood & Drought project Agenda and objective with the technical training 	DHI
10.30 – 10.45	Linkage water utility <ul style="list-style-type: none"> Brief introduction to the linkage between basin planning and water safety planning for water utilities 	IWA
11.00 – 12.00	Flood and Drought – impact and causes <i>Identify and prioritize the key environmental impacts from drought and floods using a Chain Causal Analysis and WRIAM approach</i> <ul style="list-style-type: none"> Group work based on the Issue Analysis app. Discussion on the identified and prioritised causes <p>Outcome: Identification of prioritised impacts and the underlying causes of flood and drought events in participant basins.</p>	DHI
12.00 – 13.00	Lunch	
13.00 – 13.30	Basin planning – examples and cases Issues and challenges in basin planning based on cases from river basin organisations in Africa and Asia.	
13.30 – 14.30	Indicators – assessing the state through indicators <i>Identify relevant indicators for measuring the state of the causes for floods and droughts.</i> <ul style="list-style-type: none"> Group work based on the Water Indicator app. Identification of relevant indicators for the key underlying causes behind floods and droughts in participant basins. <p>Outcome: Identification of indicators and the required data for assessing the state of floods and droughts in participants basins.</p>	DHI
14.30 – 16.00	Flood and Drought – data <i>Overview and understand available near real time data for flood and drought assessment.</i> <ul style="list-style-type: none"> Hands-on exercises – based on the Data and Information app. Basic introduction to the functionality and the different data types. <p>Outcome: Knowledge and understanding of available data to be used for flood and drought assessment.</p>	DHI
16.00 – 16.30	Flood and Drought – planned developments <i>Understand the final deliverable from the project and how the planning</i>	DHI

	<p><i>process will be further supported through specific planning applications.</i></p> <ul style="list-style-type: none"> • Presentation of the up-coming applications <p>Outcome: Knowledge and understanding of the complete system to be delivered as part of the project.</p>	
16.30 – 17.00	Discussion and wrap up	

Breaks in the morning and afternoon will be organised around 11.00 and 15.00. Exact time will depend on the progress of the sessions.

Participants

Title	First Name	Last Name	Organisation
Mr.	Maria	Apostalova	Amazon Cooperation Organization (ACTO)
Ms.	Svetlana	Dolgikh	Kazakhstan Regional Centre of Hydrology in Central Asia
Mr.	Erkin	Orolbaev	
Mr.	Oleksandr	Bon	Ukraine Ministry of Ecology
Mr.	Rizah	Hajdari	Global Water Partnership Mediterranean
Mr.	Raul	Glotzbach	International Water Association (IWA)
Mr.	Oluf	Zeilund Jessen	UNEP DHI
Mr.	Per	Hansen	UNEP DHI
Mr.	Bertrand	Richaud	UNEP DHI
Ms.	Natalie	Degger	Intergovernmental Oceanographic Commission of UNESCO (UNESCO-IOC)
Mr.	Mish	Hamid	Intergovernmental Oceanographic Commission of UNESCO (UNESCO-IOC)
Mr.	Ndara	Rohallati	Lake Chad Basin Commission
Mr.	Abdoulaye	Doumbia	Mano River Union Secretariat
Mr.	Lenka	Thamae	Orange-Senqu River Commission (ORASECOM)
Mr.	Ricardo	Moreno	Ecuador Water Secretariat (SENAGUA)
Mr.	Razaki	Sanoussi	Volta Basin Authority (VBA)
Mr.	Blaise-Leandre	Tondo	Congo River Basin Commission CICOS
Mr.	Gabriel	Hakizmana	Lake Tanganyika Authority (LTA)
Mr.	Omari	Mwinjaka	Lake Victoria Basin Commission
Ms.	Sonja	Koeppel	United Nations Economic Commission for Europe (UNECE)
Mr.	Alexander	Belokurov	United Nations Economic Commission for Europe (UNECE)