



## F&DMT update

Vol. 3

### Status of Flood and Drought Management Tools (Decision Support System - DSS)

Floods are a regular feature in Thailand and continue to be aggravated by climate change and human activities, however, with the recent drought concerns in Thailand, the project has put a focus on drought management for the [Chao Phraya Basin](#). Working in close collaboration with the [Hydro and Agro Informatics Institute](#) (HAI), and other key stakeholders, e.g. [Royal Irrigation Department](#) (RID), [Electricity Generating Authority of Thailand](#) (EGAT), the project will be testing and validating drought planning tools of the software-based DSS in November 2015. The tools will enable users to evaluate the current drought impact (according to indicators), provide early warning of drought onset, determine drought severity and spatial extent, and convey consolidated information for decision making.

### Contribute towards the evaluation and review technical outputs

To tap into the vast experience and expertise around flood and drought issues at different scales, IWA and DHI have initiated a [Review Group](#) to independently evaluate and review the technical outputs from the project, in particular the functionality of the DSS. Members will be invited to provide input in a number of areas within the project to help validate the approaches defined in the DSS and how the results can be used.

This is an opportunity to collaborate with leading experts, share knowledge and learn from past experiences to develop an improved DSS and provide guidance on application. If you are interested in being part of the [Review Group](#), let us know!

### Awareness workshop

The first of a series of [awareness workshops](#) will be held in the Volta Basin. Stakeholders from Burkina Faso and Ghana will convene for a 1 day workshop in Ouagadougou on the 28<sup>th</sup>, September 2015 in Ouagadougou and on the 30<sup>th</sup> September 2015 in Accra, to understand how information from a DSS can be used in planning floods and droughts from catchment to utilities.



[Capacity Development Program for Drought Resilience in the IGAD region](#) | Gerald Kairu, GWP Eastern Africa



[Climate change adaptation in Northern Ghana](#) | Water Resources Commission (WRC)



[Water utilities and the vagaries of weather](#) | Joshua Oria, KIWASCO



[Spatial and temporal variation of pollutant concentrations in the Napoleon Gulf and its feeder streams in Jinja, Uganda](#) | David Ogaram, NWSC – Jinja

Upcoming events

[Africa WSP Network Meeting](#) | 28 September - 02 October 2015 | Accra, Ghana  
[Volta Basin Awareness Workshop](#)

- 28 September 2015 | Ouagadougou, Burkina Faso
- 30 September 2015 | Accra, Ghana

[IWA Development Congress & Exhibition](#) | 18-22 October 2015 | Jordan  
Workshops:

- "From catchment to consumer: Building climate resilience" — How can utilities and their catchment stakeholders improve resilience to uncertain climatic impacts?
- "Managing floods and droughts across scales from basin to utility scale" — How can informed planning improve the management of floods and droughts across scales?

If you are aware of any relevant events, please let the PMU know!


Other business

We kindly request that you provide the PMU with any relevant news items or blog postings as well as additional communication material that you would like the project to communicate. These do not need to be linked to the F&DMT project.


Please feel free to distribute this newsletter to your wider network and if you have any questions for the PMU, please do not hesitate to contact us.

Contacts

[Oluf Jessen](#), DHI  
[Katharine Cross](#), IWA



### ASSESSMENT OF DROUGHT RESILIENCE FRAMEWORKS IN THE HORN OF AFRICA



Integrated Drought Management Program in the Horn of Africa (IDMP HOA)

A new report by the IDMP Horn of Africa analyses the different stages countries in the region have attained in establishing and developing national frameworks and relevant policies in building drought resilience. Download the report [here](#).



### DEVELOPING A DSS

Droughts are a key issue in water related planning. Understanding of the impacts and severity of droughts is critical for decision making and responding.

Current drought tools assist decision makers with drought related planning. Drought planning tools allow the evaluation of drought impact (current and future), provide early warning of drought onset, determine drought severity and can be used to assess and convey consolidated information to decision makers. The aim of the Flood and Drought Management Tools (FDMT) project is to develop an integrated approach covering the processes from drought risk assessment, planning for implementation and evaluation.

The understanding of droughts in the planning context is related to water scarcity which corresponds to the socio-economic drought definition (the difference between water availability and water demand).

The FDMT project aims with planning for drought at the operational and strategic levels taking climate variability and change into account. Operational planning, or management, is planning that changes from within weeks to a few years, to evaluate and reduce impacts without investing in new infrastructure. Strategic planning is planning based on a relatively long time period, and will typically include investments in infrastructure to cope with changes in climate, land use, water demand, etc.



The Flood and Drought Management Tools (FDMT) project is funded by the Global Environment Facility (GEF), the International Waters (IWI) and implemented by UNEP, with the International Water Association (IWA) and DHI as the executing agencies. The project aims to develop a methodology for basins and utilities, which can be used within a decision support system that will allow the integration of information on floods and droughts into planning. The project is being implemented from 2014 - 2018, and 3 pilot basins (Chirba, Lake Victoria and Chari-Logone) have been identified for development and testing of the DSS.

Updated information sheet describing how the FDMT project will be addressing drought using the DSS is now available. Download the information sheet [here](#).

[unsubscribe from this list](#)   [update subscription preferences](#)

Copyright © | 2015 | F&DMT | All rights reserved.



[Website](#)

This project is funded by the Global Environment Facility and executed by UNEP-DHI and the International Water Association

