



Delft-FEWS

Deltares USA



Delft-FEWS North America News

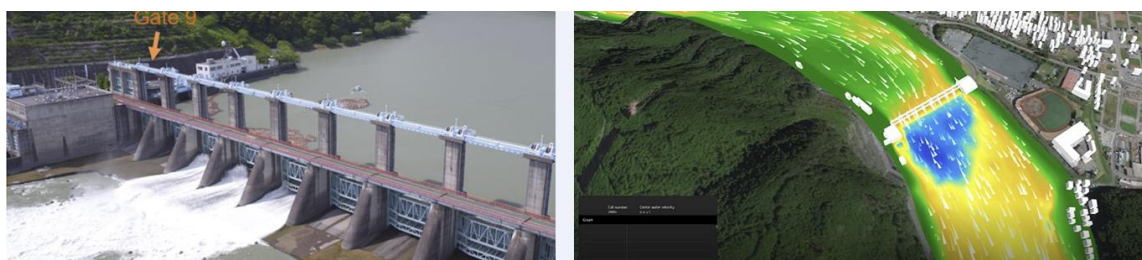
Dear Delft-FEWS User,

Several times per year Deltares sends out the FEWS-News. An interesting newsletter filled with information about Delft-FEWS and the world-wide community. In order to provide you with news tailored to the North American user community, Deltares USA sends out a Delft-FEWS NA news several times per year.

Webinar “use of integrated models to mitigate environmental impacts of dams”

Dams can have a big impact on the ecology of a water system. Yet, in many cases, this environmental impact can be greatly reduced through the well-tuned operation of dams and reservoirs. Deltares and Deltares USA will present a webinar about the use of integrated hydrodynamic (Delft3D), reservoir operation (RTC-Tools) and environmental models (HABITAT) to determine reservoir release schemes that consider environmental impacts of the releases.

The webinar will be Friday April 14, 11 am EDT. You can register [on this page](#):



Upcoming Delft-FEWS Basic Config Course 9, 10, 11, 12 May 2023

Want to refresh your knowledge about configuring Delft-FEWS? Or new colleagues entered your team? Deltares is organizing a new online Configuration course. During this course (four half-days) you will learn the basics of setting up your own Delft-FEWS application, with the data, models, data processing and visualization tailored to your organization.

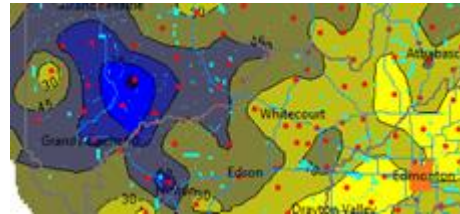
The course will take place from 9-12 May and is completely online, with live lectures from a Delft-FEWS expert from Deltares. You will also make hands-on exercises using our online platform based on an example Delft-FEWS configuration. For more information, see the webpage: <https://www.deltares.nl/en/academy/delft-fews-basic-course>.

New Publication: Towards a coherent flood forecasting framework for Canada

Last week a new article was published: Towards a coherent flood forecasting framework for Canada: Local to global implications. Written by several key experts in the Canadian flood forecasting community, this article provides a Canadian perspective on operational flood forecasting, situating it within the global context. We are honored with the appreciation for Delft-FEWS: *"The most recent advances in Canadian forecasting capacity have come with the introduction of the Delft Flood Early Warning System."* Read the article [here](#).

Alberta integrates Rainfall accumulation maps and reports in ARFS

Alberta Environment and Protected Areas utilizes their Alberta River Forecasting System for flow forecasting and river ice monitoring. In the latest update, functionality was implemented that accumulates observed rainfall at all stations and generates spatially distributed maps. Accumulation is per day, 7 day, 30 days, monthly, seasonal and custom period. Using the Delft-FEWS functionality, maps are created in pdf format which will be published on their website. For more information contact: Arnejan van Loenen or Colleen Walford.



Training on the fast overland flood modelling with SFINCS on April 17 and 19

Compound flooding during extreme events can result in tremendous amounts of property damage and loss of life. Early warning systems and multi-hazard risk analysis can reduce these impacts. However, traditional approaches either do not involve relevant physics or are too computationally expensive to do so for large stretches of coastline. SFINCS (Super-Fast Inundation of CoastS) is a new reduced-complexity engine recently developed by Deltares Netherlands that is capable of simulating compound flooding, including a high computational efficiency balanced with good accuracy. The training course is online. More information can be found [here](#)



We hope you found this newsletter useful. Any experiences, suggestions or stories you would like to share with other North American Delft-FEWS users? Don't hesitate to contact us!



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