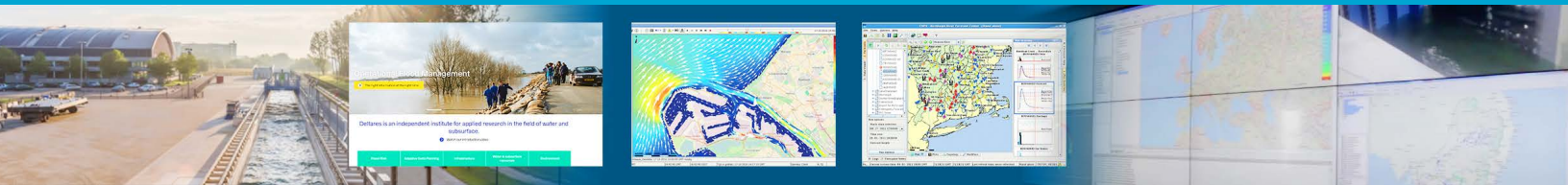


Catalyzing Innovations and Digitization for Safe, Sustainable, Resilient, and Inclusive Water Management

LAUNCH OF E-MARKETPLACE AND PUBLICATIONS

15-19 March 2021



Flood Early Warning in Asia, Exploring New Solutions Using Delft-FEWS

Name of Organization	Deltares
Location	Netherlands
Year Registered	2008



Technology Profile

Flood forecasters, reservoir operators, and operational managers in the water sector often need to make responsible, time-critical decisions informed by recent observations and predictions of water-related events. Such decisions are becoming increasingly important due not only to the increasing occurrence of weather-related extremes such as floods and droughts and the increasing pressure on already stressed water resources, but also due to the increasing impacts that these events have. Through taking well-informed decisions, adverse consequences such as loss of life and damage to environmental and ecological assets can be minimized.

Unfortunately, the data that is used to support these decisions is often fragmented, and the forecast process manual and cumbersome. The challenges for developing a good water information or forecast system are found in the efficient integration of large data sets, specialized modules to process data, and open interfaces to allow easy integration of

new and existing modelling capabilities.

For over 15 years, Deltares' answer to the question on how to best manage the forecast process for decision making in case of flood risk or other water-related conditions is to equip your experts with the **Delft Flood Early Warning System (Delft-FEWS)**. Delft-FEWS is freely available expert software that handles large amounts of forecast data efficiently, integrates the latest observations with the most recent meteorological forecasts, and provides for consistent data quality, standardized work processes, , and reporting. Delft-FEWS can orchestrate massive computations on dedicated hardware, in the cloud or both; and allows for remote collaboration between multiple experts working and interacting with the same data. Delft-FEWS provides the foundation for many early warning systems around the world and is improved continuously to stay at the forefront of new developments in the flood early warning domain.

To know more about our Smart Water Technology:

[Brochure](#)

The recording of interactive session will be uploaded here.

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