

Delft-FEWS User Days 2020 (Australia and Asia) - Program

This year's forum will be delivered in several 2-hour online webinars spread across 4 weeks. This makes it possible to have 2 international keynotes, offering a view of Delft-FEWS systems in both the United Kingdom and the Netherlands. We endeavour to make these virtual user days as interactive as you are used to when we meet face to face. We have scheduled ample time between presentations for your questions and discussions. Each session, the committee will select a favourite question, and the participants vote for the best presentation. Prizes are to be had!

Keynote speeches

Ian Clayton is the Incident Management Forecasting System (IMFS) Product Manager and Sensor Advisor at the Environment Agency (EA) England. Ian joins us to share the delivery of a new nationally converged IMFS. This system allows the EA to respond to incidents including floods, bathing water pollution, and low flows in England. The new service is more resilient, interoperable, provides a platform for growth and innovation, and allows a faster response to user and business needs. The final stages of system development and implementation have been challenging with one of the wettest autumn and winter periods on record in England causing widespread and prolonged severe flooding. The current Covid-19 global pandemic brings its own challenges implementing and rolling out a new system successfully to over 1000 end users virtually. This keynote will shed light on IMFS progress as well as the functionality and the benefits it brings. It will also discuss, by letting those working on the project tell you in their own words, how working collaboratively with their suppliers and other organisations has greatly helped them complete system development, and plan implementation and roll out.

Marc Philippart joins us from the Netherlands. Rijkswaterstaat is the national governmental organization responsible for water level management, storm surge & river flood warnings, shipping and environmental protection in the Netherlands. For these tasks several Delft-FEWS systems were developed as separate systems. In 2012 Marc lead the project to harmonize these systems to a coherent set with mutual building blocks, RWsOS (Rijkswaterstaat coherent Operational Systems).

Training

In the weeks following the user days there will be several training opportunities in part organized from the Netherlands. We will make use of pre-recorded content that you can watch at your own pace. This will be combined with interactive sessions on consecutive days (2 - 5 pm). These sessions will start with a Q&A of the materials from the videos and continue with relevant exercises. By keeping the session intimate (with only 6 participants per trainer), we can ensure there is enough time and attention for all questions and discussions.

Most Impressive Screen Shot – MISS-pageant

Your favourite competition is back, so send in your Most Impressive Screen Shot. During the last session all entries will be put to a general vote.

Enter via: simone.dekleermaeker@deltares.nl

Please note that there is a fee for each training and separate registration is required.

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Tuesday, 14 July session 1		Chair - Alex Cornish Tech – Rachel Jensen
14:00	Welcome	Jeff Perkins, Bureau of Meteorology
14:05	Development of a Historical Calibration and Analysis Platform using Delft-FEWS	Storm Stickland / David Pokarier, Seqwater
14:40	FEWS-Bite: Noosa flash floods and waves	Dan Rodger, JBP
15:00 06:00 UK time	Keynote: Environment Agency Incident Management Forecasting System: working with partners in challenging times to deliver benefits.	Ian Clayton, Environment Agency England
15.55	Favourite question and best presentation of the session	

Thursday, 16 July session 2		Chair - Adam Broit Tech – Simone De Kleermaeker
10:00	FEWS-bite: TUFLOW and Delft-FEWS	Ben Caddis, BMT Global
10:20	FEWS-bite: SeqFEWS enhancements	Steve Wang, Seqwater
10:40	ROWS in the cloud	Lawrence Lingam, MDBA
11:20	Real time hydrologic, hydraulic and water quality forecasting in the Bowen Basin	Tony McAlister, Water Technology
11.55	Favourite question and best presentation of the session	

Tuesday, 21 July session 3		Chair – Justin Robinson Tech – Wen Wang
14:00	A Journey from ICT support to ICT business partner for SeqFEWS	Tejinder Pingal / Prasann Thakkar, Seqwater
14:40	Impact based forecasting in HyFS	Andrew Preece / Simone De Kleermaeker, Bureau / Deltares
15:20 07:20 NL time	Delft-FEWS 2025 vision	Nadine Slootjes, Deltares
15.55	Favourite question and best presentation of the session	

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Thursday, 23 July session 4		Chair – Michael Hughes Tech – Wen Wang
10:00	SuDS enhancements	Adam Broit, SunWater
10:40	FEWS-Bite: Upper Yarra Dam Upgrade – Forecasting Challenges	Rob James & Tam Hoang, Melbourne Water
11:00	FEWS-Bite: CHyPP and Delft-FEWS	David Robertson, CSIRO
11:20	System integration perspective on building the BoM's Seven Day Ensemble streamflow forecast service	Patrick Sunter, Bureau of Meteorology
11.55	Favourite question and best presentation of the session	

Tuesday, 28 July session 5		Chair – David Pokarier Tech – Rachel Jensen
14:00 06:00 NL time	News in FEWS and Q&A on new features webinar https://www.youtube.com/watch?v=EBRJamhToVE	Gerben Boot, Deltares
14:40	FEWS-Bite: Erosion Forecasting System	Courtney Wharton, City of Gold Coast / Matt Barnes, BMT
15:00 07:00 NL time	Keynote: Dutch Design - an impression of the Dutch system, the operational context and new developments	Marc Philippart, Rijkswaterstaat / Tom Bogaard, Deltares
15.55	Favourite question and best presentation of the session	

Thursday, 30 July session 6		Chair – Simone De Kleermaeker Tech – Steve Wang
10:00	Batch running Delft-FEWS for hindcasting and model calibration	Justin Robinson Bureau of Meteorology
10:40	Tianjin City Urban Water Resources Management with Delft-FEWS	Weijun Zhang, eWaters
11:20	FEWS Bite: Using the Australian Landscape Water Balance model AWRA-L for loss parameters in operational flood modelling	Andrew Frost / Greg Keir Bureau of Meteorology

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11:40	Closing discussion Best question; Best presentation; Miss-FEWS pageant	Organising committee
12:00	Closing	

Tuesday, 4 August (afternoon) session 7		Workshop
14:00 – 16:00	From Delft-FEWS to a Computation Framework	Peter Gijsbers, Deltares

Thursday, 6 August (afternoon) session 8		Workshop
14:00 – 16:00	Dam Operators	David Pokarier, Seqwater

Training opportunities Separate registration is required for each training, seats are limited		Trainer
10-13 August 14:00-17:00	Delft-FEWS Basic Config course	Simone De Kleermaeker
17-20 August 14:00-17:00	wflow training, a gridded open source hydrology model	Mark Hegnauer, Hélène Boisgontier, Bart van Osnabrugge, Corine ten Velden
24-25 August 14:00-17:00	RTC-Tools training, a toolbox for real time control and optimization of hydraulic structures	Bernhard Becker