

## Delft-FEWS International User Days 2 November 2020 - Day 1

Chair: Gerben Boot

Chat: Patricia/Marcel/Ilonka

Technical support: Edward Melger

**Topic: Observe:**

*Focusing on the observation of physical processes in the forecasters domain, and accommodating experiences with satellite imagery, model implementations, data assimilation and archive functionalities.*

Time	Title	Name/company
13:50 - 14:05	<b>Arrival - informal chats</b>	
14:05 - 14:15	Welcome (10 min)	Patricia Trambauer, Ilonka ten Broeke and chair, Deltares
14:10 - 14:15	Welcoming words	Jaap Kwadijk - Scientific Director (Deltares)
14:15 - 14:45	<b>Keynote of the day:</b> Hydrological forecasting at WMO	Dr. Hwirin Kim - Head of Hydrological and Water Resources Services Division (HWR) at WMO
14:45 - 15:00	<b>Coffee break - Game / Social interaction</b>	
15:00 - 15:20	Satellite based rainfall nowcast in West Africa - using artificial intelligence to enhance satellite-based rainfall to a nowcast	Dorien Lugt (HKV)
15:20 - 15:40	Towards more accurate riverine flood forecasting over the Lower Mekong Basin	Miguel Angel Laverde (ADPC)
15:40 - 16:00	Monitoring River Ice in Delft-FEWS using NRT Earth Observation data	Martijn Kwant and Nena Vandebroek (Deltares)
16:00 - 16:15	<b>Coffee break - Game / Social interaction</b>	
16:15 - 16:30	Delft-FEWS new developments - 1 of 3	Gerben Boot and Marcel Ververs (Deltares)
16:30 - 16:35	<b>Pitch 1</b> (5min): Evaluation of radar rainfall nowcasting techniques for operational water management	Ruben Imhoff (Deltares)
16:35 - 16:40	<b>Pitch 2</b> (5min): BlueEarth Data platform	Gert-Jan Schotmeijer (Deltares)
16:40 - 16:45	<b>Pitch 3</b> (5min): FEWS OpenDatabase - A NoSQL Approach to Data Archiving	Andre Grijze (Deltares) & Gabriel Miller (TVA)
16:45 - 16:50	<b>Pitch 4</b> (5min): Scripting a configuration; the case of Deltares Global fluvial flood forecasting system	Jan Verkade (Deltares)
16:50 - 17:05	<b>Short coffee break / Closure of the day - game results, final questions - group photo</b>	
17:05 - 18:00	Breakout sessions	<b>Radar rainfall and nowcasting tools</b> (Ruben Imhoff, Xiaohan Li, Pieter Hazenberg)
		<b>"Dare to share"</b> : Informal group chat for different topics <ol style="list-style-type: none"> <li>1. FEWS OpenDatabase - Archive (Andre Grijze)</li> <li>2. Scripting a configuration (Jan Verkade)</li> <li>3. Meet the expert: "Statistics, Thresholds, Waterquality, Time Dependent Locations" (Erik Pelgrim)</li> <li>4. Meet the configuration expert (Marc van Dijk)</li> <li>5. Meet the configuration expert (Matthijs den Toom)</li> </ol>

## Delft-FEWS International User Days 5 November 2020 - Day 2

Chair: Micha Werner

Chat: Patricia/Gerben/Ilonka

Technical support: Edward Melger

**Topic: Forecast:**

*Showcasing best practice examples of existing forecasting systems and dealing with uncertainty functionalities.*

Time	Title	Name/company
13:50 - 14:05	<b>Arrival - informal chats</b>	
14:05 - 14:15	Welcome (10 min)	Patricia Trambauer, Ilonka ten Broeke and chair, Deltares
14:15 - 14:45	<b>Keynote of the day:</b> <i>Challenges of communicating uncertainty information</i>	Prof. David Demeritt (Kings College London)
14:45 - 15:00	<b>Coffee break - Game / Social interaction</b>	
15:00 - 15:20	Web-client for continuous forecast verification	Annette Zijderveld (Rijkswaterstaat) / Peter Gijsbers (Deltares)
15:20 - 15:40	Calculating, visualising and publishing model performance in the 'Incident Management Forecasting System'	Paul Wass (JBA)
15:40 - 16:00	Forecasting the lower Mississippi during hurricane season	David Welch (LMRFC)
16:00 - 16:15	<b>Coffee break - Game / Social interaction</b>	
16:15 - 16:30	Delft-FEWS new developments - 2 of 3	Gerben Boot and Marcel Ververs (Deltares)
16:30 - 16:35	<b>Pitch 1</b> (5min): Enabling Particle Tracking in Operational Forecasting	Kun Yan (Deltares)
16:35 - 16:40	<b>Pitch 2</b> (5min): Dealing with uncertainties in flow forecasting for hydropower generation in Brazil	Alberto Assis dos Reis (CEMIG)
16:40 - 16:45	<b>Pitch 3</b> (5min): Manitoba Hydro FEWS Implementation	Shane Wruth (Manitoba Hydro)
16:45 - 17:00	<b>Short coffee break / Closure of the day - game results, final questions - group photo</b>	
17:00 - 18:00	Break-out sessions	<p><b>Meet your colleagues from Reservoir Management and forecasting</b> (Ivo Miltenburg, Bernhard Becker)</p> <p><b>"Dare to share"</b>: Informal group chat for different topics</p> <ol style="list-style-type: none"> <li>1. Meet the expert: "Database &amp; live systems" (Camiel van Breugel)</li> <li>2. Meet the expert: "Statistics, Thresholds, Waterquality, Time Dependent Locations" (Erik Pelgrim)</li> <li>3. Meet the expert: "Installation aspects, System Administration and Troubleshooting" (Gerrit Niestijl and André Speelmans)</li> <li>4. Meet the expert: "Model Adapters and Schematic Status Display" (Bart Adriaanse)</li> <li>5. Meet the configuration expert (Marc van Dijk)</li> </ol>

## Delft-FEWS International User Days 9 November 2020 - Day 3

Chair: Nadine Slootjes

Chat: Patricia/Gerben/Ilonka

Technical support: Edward Melger

### Topic: Prepare:

*Zooming into sharing of forecasts (e.g. via PI webservice, WMS, dashboards) and the use of forecasted (impact) information for decision making and emergency response, as well as devising interventions to reduce impacts to acceptable levels. This session includes also best practices in communication of early warning information to relevant authorities and non-experts.*

Time	Title	Name/company
13:50 - 14:05	<b>Arrival - informal chats</b>	
14:05 - 14:15	Welcome (10 min)	Patricia Trambauer, Ilonka ten Broeke and chair, Deltares
14:15 - 14:45	<b>Keynote of the day:</b> <i>Beyond the Forecast: Communicating Flood Risk in the Toronto Region</i>	Rehana Rajabali - Associate Director, Engineering Services, Toronto and Region Conservation Authorities
14:45 - 15:00	<b>Coffee break - Game / Social interaction</b>	
15:00 - 15:20	Using extended lead time flood forecasts to save lives and property	Justin Robinson (BoM)
15:20 - 15:40	Implementation of a operational forecast system for decision making in Uruguay (FEWS-Uruguay)	Jose Rodolfo Valles (DINAGUA) & Pablo Gamazo (UdelaR)
15:40 - 16:00	IoT flood sensors in FEWS-Taiwan and citizen science	Jhjh Cyuan Shen (NTUT)
16:00 - 16:15	<b>Coffee break - Game / Social interaction</b>	
16:15 - 16:30	Delft-FEWS new developments - 3 of 3	Gerben Boot and Marcel Ververs (Deltares)
16:30 - 16:35	<b>Pitch 1</b> (5min): CWW dashboard	Hessel Winsemius (Deltares)
16:35 - 16:40	<b>Pitch 2</b> (5min): Drought in Malawi	Micha Werner (Deltares)
16:40 - 16:45	<b>Pitch 3</b> (5min): Delft-FEWS road map web operator client	Tom Bogaard & Daniel Twigt (Deltares)
16:45 - 17:00	<b>Short coffee break / Closure of the day - game results, final questions - group photo</b>	
17:00 - 18:00	Break-out sessions	<p><b>Forecast impact information for decision making and emergency response</b> (Herman Haaksma, Annegien, Patricia Trambauer)</p> <p><b>“Dare to share”:</b> Informal group chats for different topics            1. FEWS 2020.02 Developments (Gerben Boot)            2. Road map web operator client (Tom Bogaard)            3. Meet the expert: "Delft-FEWS Webservice and Delft-FEWS in the cloud" (Rudie Ekkelenkamp)            4. Meet the expert: "Statistics, Thresholds, Waterquality, Time Dependent Locations" (Erik Pelgrim)            5. Meet the expert: "Computational Framework " (Andre Grijze and Peter Gijsbers)            6. Meet the configuration expert (Marc van Dijk)            7. Meet the configuration expert (Matthijs den Toom)</p>