

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

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

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

Chair: Nadine Sloodjes

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	Modality	
13:50 - 14:05	Arrival - informal chats			
14:05 - 14:15	Welcome (10 min)	Patricia Trambauer, Ilonka ten Broeke and chair, Deltares	General - MSTeams	
14:15 - 14:45	Keynote of the day: <i>Beyond the Forecast: Communicating Flood Risk in the Toronto Region</i>	Rehana Rajabali - Associate Director, Engineering Services, Toronto and Region Conservation Authorities	General - MSTeams	
14:45 - 15:00	Coffee break - Game / Social interaction			
15:00 - 15:20	HNV	Justin Robinson (BoM)	General - MSTeams	
15:20 - 15:40	Implementation of a operational forecast system for decision making in Uruguay (FEWS-Uruguay)	Jose Rodolfo Valles (DINAGUA) & Pablo Gamazo (UdelaR)	General - MSTeams	
15:40 - 16:00	IoT flood sensors in FEWS-Taiwan and citizen science	Jih Cyuan Shen (NTUT)	General - MSTeams	
16:00 - 16:15	Coffee break - Game / Social interaction			
16:15 - 16:30	Delft-FEWS new developments - 3 of 3	Gerben Boot and Marcel Ververs (Deltares)	General - MSTeams	
16:30 - 16:35	Pitch 1 (5min): CWW dashboard	Hessel Winsemius (Deltares)	General - MSTeams	
16:35 - 16:40	Pitch 2 (5min): Drought in Malawi	Micha Werner (Deltares)	General - MSTeams	
16:40 - 16:45	Pitch 3 (5min): Delft-FEWS road map web operator client	Tom Bogaard & Daniel Twigt (Deltares)	General - MSTeams	
16:45 - 17:00	Short coffee break / Closure of the day - game results, final questions - group photo			
17:00 - 18:00	Break-out sessions	Forecast impact information for decision making and emergency response (Herman Haaksma, Annegien, Patricia Trambauer)	"Dare to share": 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)	MSTeams - various Groups / channels