



# **Delft-FEWS** A platform for real time forecasting and water resources management

Expert data handling and model integration software for flood forecasting, drought and seasonal forecasting and real-time water resources management



## **Forecast Early Warning System (FEWS)**

**Master Class: Setting up an Early Warning System to meet your needs.**

**Date: 01 August To 03 August 2017**

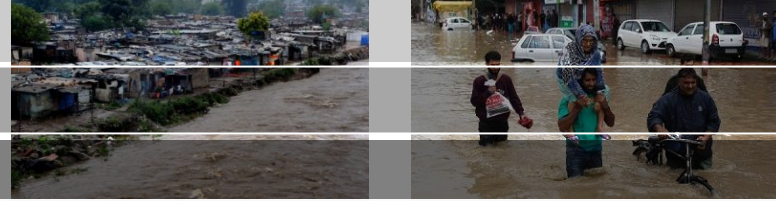
**Venue: Durban, Moses Mabhidha Stadium, GBC 9**

# Day 1 - Tuesday



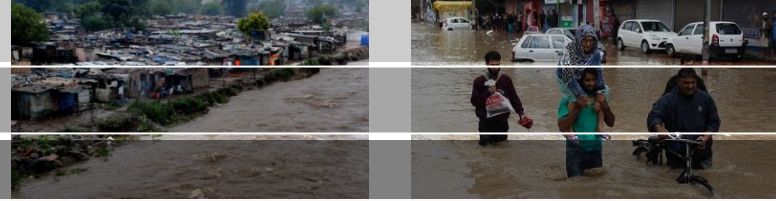
07:45	<b>ARRIVAL, REGISTRATION: TEA AND COFFEE</b>	
<b>SESSION ONE</b>	<b>OFFICIAL OPENING AND WELCOME</b>	
08:30	Opening and Welcome Remarks	EM – Cllr. Mondli Mthembu EM – Eric Apelgren
08:45	Participants Introductions	MILE
09:00	Message of Support	COGTA – Mark Van Staden
09:15	Ground Rules, Participants Expectations and Set-up	MILE
<b>SESSION TWO</b>	<b>SETTING THE CONTEXT AND GETTING THE BASICS OF FEWS RIGHT</b>	
09:30	Introductions and Overview of Workshop	EM – Randeer Kasserchun
09:40	Introduction to the FEWS platform	Deltares - Tom Bogaard
10:30	<b>TEA AND COFFEE BREAK</b>	
10:45	Building your own FEWS system	EM – Clinton Chrystal
11:45	Identifying the path to follow for your requirements	EM / Deltares / All
12:30	<b>LUNCH AND NETWORKING</b>	
<b>SESSION THREE</b>	<b>SETTING YOUR FEWS SYSTEM UP</b>	
13:00	Start FEWS on your laptop	EM / Deltares
13:30	The Basics on navigating the FEWS	EM / Deltares
14:30	<b>TEA AND COFFEE BREAK</b>	
<b>SESSION FOUR</b>	<b>FEWS CONFIGURATION</b>	
14:45 - 16:15	Basic Configuration of FEWS: An Overview	EM / Deltares

# Day 2 - Wednesday



<b>07:30</b>	<b>ARRIVAL – SETUP : TEA AND COFFEE</b>	
<b>SESSION FIVE</b>	<b>FEWS AND THRESHOLDS CONFIGURATION CONTINUES ...</b>	
<b>08:00</b>	Summary of Key Lessons Learnt from Day 1	<b>MILE</b>
<b>08:15</b>	Basic Configuration overview Continued with applications	<b>EM / Deltares</b>
<b>09:15</b>	Basic training on making changes and testing	<b>EM / Deltares</b>
<b>10:15</b>	Meteo Forcing – Numerical Weather Predictions	<b>EM – Justin Pringle</b>
<b>10:30</b>	<b>TEA AND COFFEE BREAK</b>	
<b>SESSION SIX</b>	<b>RUNNING MODELS</b>	
<b>10:45</b>	Part 1: Let's get your model running	<b>EM / Deltares</b>
<b>11:45</b>	Understanding limitations of numerical models (i.e hydraulic)	<b>EM – Natasha Ramdass</b>
<b>12:30</b>	<b>LUNCH AND NETWORKING</b>	
<b>SESSION SEVEN</b>	<b>SETTING YOUR FEWS SYSTEM UP</b>	
<b>13:00</b>	Part 2: Let's get your model running with GFS data	<b>EM / Deltares</b>
<b>14:15</b>	Understanding your environment	<b>EM – Geoff Tooley</b>
<b>14:30</b>	<b>TEA AND COFFEE BREAK</b>	
<b>SESSION EIGHT</b>	<b>FEWS AND THRESHOLDS</b>	
<b>14:45 - 16:15</b>	Introduction to Thresholds – Overview and application	<b>Deltares</b>

# Day 3 - Thursday



07:30	<b>ARRIVAL – SETUP : TEA AND COFFEE</b>	
<b>SESSION NINE</b>	<b>FEWS THRESHOLDS CONFIGURATION CONTINUES ...</b>	
08:00	Summary of Key Lessons Learnt from Day 2	<b>MILE</b>
08:15	Setting up to Thresholds for your model	<b>EM / Deltares</b>
09:15	Testing thresholds and how to monitor	<b>EM / Deltares</b>
10:15	Validation of your system – Field Data Instrumentation	<b>EM – Angus Gowar</b>
10:30	<b>TEA AND COFFEE BREAK</b>	
10:45	Importing Real Time / Hindcast Data	<b>EM / Deltares</b>
11:45	Managing Data Feeds (Display and Inspecting)	<b>EM / Deltares</b>
12:30	<b>LUNCH AND NETWORKING</b>	
<b>SESSION TEN</b>	<b>FLOOD TEST ON YOUR FEWS SYSTEM</b>	
13:00	Flood test your FEWS system	<b>EM / Deltares</b>
14:00	FEWS user group and support for RSA – Where to from now	<b>EM – Geoff Tooley</b>
14:30	<b>TEA AND COFFEE BREAK</b>	
<b>SESSION ELEVEN</b>	<b>KEY LESSONS, WRAP UP AND EVALUATION</b>	
14:45	Summary of Lessons Learnt	<b>MILE</b>
15:00	Evaluation and Feedback	<b>MILE</b>
14:45	<b>Vote of Thanks and Closure (SKYCAR MOSES MABHIDA STADIUM)</b>	<b>MILE / EM</b>