

# SECOND EASTERN AFRICA REGIONAL TRAINING ON SEVERE WEATHER FORECASTING AND WARNING SERVICES: WORKSHOP ON PUBLIC WEATHER SERVICES

(ARUSHA, TANZANIA, 28 NOVEMBER – 2 DECEMBER 2011)

## PROVISIONAL PROGRAMME

(Updated as of: 9.11.2011)

**Monday, 02 November 2011**

DAY 1			
<b>0845-0900</b>	<b>Registration</b>		<b>15 minutes</b>
0900-0920	Opening Addresses: <ul style="list-style-type: none"> <li>• TMA</li> <li>• WMO</li> </ul>	<ul style="list-style-type: none"> <li>• Representative of TMA</li> <li>• R. Stefanski (WMO)</li> </ul>	20 minutes
0920-0930	Workshop objectives and outline	<ul style="list-style-type: none"> <li>• S. Muchemi</li> </ul>	10 minutes
0930-1000	Introduction to the SWFDP including overview of the Cascading Process	<ul style="list-style-type: none"> <li>• A. Soares (WMO)</li> </ul>	30 minutes
<b>1000 -1030</b>	<b>GROUP PHOTO; COFFEE / TEA BREAK</b>		<b>30 minutes</b>
<b>SESSION 1: PRESENTATIONS BY PARTICIPANTS</b>			
1030-1230	Description of National Public Weather and Warning Services including arrangements and mechanism for production and dissemination of warnings by NMHS representatives	PWS Representatives from: <ul style="list-style-type: none"> <li>• Burundi</li> <li>• Ethiopia</li> <li>• Kenya</li> <li>• Rwanda</li> <li>• Tanzania</li> <li>• Uganda</li> </ul> Coordinated by Dr G. Ouma (UoN)	20 minutes each
<b>1230-1400</b>	<b>LUNCH BREAK</b>		<b>90 minutes</b>
1400-1520	Presentations of agrometeorological services in NMHSs by participants	Agromet Representatives from: <ul style="list-style-type: none"> <li>• Burundi</li> <li>• Ethiopia</li> <li>• Kenya</li> <li>• Rwanda</li> </ul>	20 minutes each
<b>1520-1550</b>	<b>COFFEE / TEA BREAK</b>		<b>30 minutes</b>
1550-1630	Presentations of agrometeorological services in NMHSs by participants	Agromet Representatives from: <ul style="list-style-type: none"> <li>• Tanzania</li> <li>• Uganda</li> </ul>	20 minutes each
1630-1700	Practical session: Identification of gaps in service delivery in NMHSs (PWS and Agromet)	<ul style="list-style-type: none"> <li>• B. Stefanski</li> <li>• S. Muchemi</li> </ul>	30 minutes

<b>1700</b>	<b>END OF DAY 1</b>	
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**Tuesday, 29 November 2011**

<b>DAY 2</b>			
0900-1000	Developing and communicating warnings <ul style="list-style-type: none"> <li>• Criteria for issuing a warning (thresholds)</li> <li>• Essential elements of an effective warning</li> </ul>	<ul style="list-style-type: none"> <li>• Melanie Harrowsmith (Met Office)</li> </ul>	60 minutes
<b>1000-1030</b>	<b>COFFEE / TEA BREAK</b>		<b>30 minutes</b>
1030-1130	<b>Practical:</b> Using examples from the SWFDP website to demonstrate: decision to issue a warning; and how to write a warning effectively (different case scenarios)	<ul style="list-style-type: none"> <li>• TONG Yu-fai</li> </ul>	60 minutes
1130-1230	<b>Agrometeorology</b> Introduction to Agricultural Meteorology	<ul style="list-style-type: none"> <li>• B Stefanski (WMO)</li> </ul>	60 minutes
<b>1230-1400</b>	<b>LUNCH BREAK</b>		<b>90 minutes</b>
1400-1500	<b>Agrometeorology</b> Introduction to Agricultural Meteorology	<ul style="list-style-type: none"> <li>• B. Stefanski (WMO)</li> </ul>	60 minutes
1500-1530	Working effectively with the media	Journalist (TBD)	30 minutes
<b>1530-1600</b>	<b>COFFEE / TEA BREAK</b>		<b>30 minutes</b>
1600-1630	Delivering service to the disaster community effectively	Disaster Management Representative (TBD)	30 minutes
1630-1700	Effective service delivery to the Disaster Community: Example of the Hong Kong Observatory (HKO)	TONG Yu-fai (HKO)	30 minutes
<b>1700</b>	<b>END OF DAY 2</b>		

**Wednesday, 30 November 2011**

<b>DAY 3</b>			
0900-0945	<b>Dissemination of Warnings and Forecasts through the Internet.</b> <ul style="list-style-type: none"> <li>• Consideration of websites of participants' countries regarding:               <ul style="list-style-type: none"> <li>○ Content and updating;</li> <li>○ Provision of links for "Warnings" on NMSs Websites.</li> </ul> </li> <li>• Linking SWFDP products to country websites</li> </ul>	S. Muchemi (WMO)	45 minutes
0945-1000	<b>Agrometeorology</b> Weather Forecasts for Agricultural Applications	N. Chattopadhyay (Indian Met Dept)	15 minutes
<b>1000-1030</b>	<b>COFFEE / TEA BREAK</b>		<b>30 minutes</b>

1030-1100	<b>Agrometeorology</b> Weather Forecasts for Agricultural Applications	N. <b>Chattopadhyay</b> (Indian Met Dept)	60 Minutes
1100-1130	Effective Public Weather Services. Example of Met Office	<ul style="list-style-type: none"> <li>Melanie Harrowsmith (Met Office)</li> </ul>	
1130-1230	<b>Service Evaluation</b> <ul style="list-style-type: none"> <li>Developing and applying questionnaires / Surveys on public perception and use of services and products;</li> <li>Baseline information gathering;</li> <li>Improvement measurements (how to set metrics)</li> </ul>	<ul style="list-style-type: none"> <li>G. Ouma (University of Nairobi)</li> </ul>	60 minutes
<b>1230-1400</b>	<b>LUNCH BREAK</b>		<b>90 minutes</b>
1400-1430	<b>Future Developments</b> Providing warning services through a central website (e.g. METEOALARM);	<ul style="list-style-type: none"> <li>Melanie Harrowsmith (Met Office)</li> </ul>	30 minutes
1430-1500	Dissemination of Warnings and Forecasts <ul style="list-style-type: none"> <li>The WMO Register of Alerting authorities</li> <li>The Common alert Protocol (CAP)</li> </ul>	<ul style="list-style-type: none"> <li>S. Muchemi (WMO)</li> </ul>	30 minutes
1500-1530	Practical: Developing agrometeorological forecasts	<ul style="list-style-type: none"> <li>B Stefanski (WMO)</li> <li>N. <b>Chattopadhyay</b> (Indian Met Dept)</li> </ul>	30 minutes
<b>1530-1600</b>	<b>COFFEE / TEA BREAK</b>		<b>30 minutes</b>
1600-1700	Practical: Developing agrometeorological forecasts	<ul style="list-style-type: none"> <li>B Stefanski (WMO)</li> <li>N. <b>Chattopadhyay</b> (Indian Met Dept)</li> </ul>	60 minutes
<b>1700</b>	<b>END OF DAY 3</b>		

**Thursday, 1 December 2011**

<b>DAY 4</b>			
0900-0930	<b>Communication Skills</b> Coordinating communications (radio, TV, print media etc.) before, during and after high impact weather events.	S. Muchemi (WMO)	30 minutes
0930-1000	Communicating Agrometeorological Information	B. Stefanski	30 minutes
<b>1000-1030</b>	<b>COFFEE / TEA BREAK</b>		<b>30 minutes</b>
1030-1130	<b>Agromet/Seasonal Forecast Outlooks</b>	B. Stefanski	60 minutes
1130-1230	<b>Dissemination of Warnings and Forecasts</b> <ul style="list-style-type: none"> <li>Mobile Technology</li> <li>Social Networks</li> </ul>	TONG Yu-fai (HKO)	60 minutes

<b>1230-1400</b>	<b>LUNCH BREAK</b>		<b>90 minutes</b>
1500-1530	Introduction to formulation of Standard Operating Procedures (SOPs) for Disaster and Media communities in the delivery of services	<ul style="list-style-type: none"> <li>Melanie Harrowsmith (Met Office)</li> </ul>	30 minutes
1600-1700	<b>Practical:</b> An example to demonstrate development of Standard Operating Procedures (SOPs)	<ul style="list-style-type: none"> <li>Participants (guided by Mel Harrowsmith (Met Office))</li> </ul>	60 minutes
<b>1530-1600</b>	<b>COFFEE / TEA BREAK</b>		<b>30 minutes</b>
1600-1630	World Agrometeorological Information Service	B. Stefanski (WMO)	30 Minutes
1630-1700	<b>Dissemination of Warnings and Forecasts</b> RANET: Linking SWFDP products to RANET for communication of warnings to rural communities	S. Muchemi (WMO)	30 minutes
<b>1700</b>	<b>END OF DAY 4</b>		

**Friday, 2 December 2011**

	<b>DAY 5</b>		
0900 – 0930	<b>Addressing Gaps in Service Delivery of Warnings</b>  To address identified gaps in delivery of forecast and warning services and how these gaps may be filled in each country (a practical session)	G. Ouma (UoN)	60 minutes
0930 - 1000	<b>Breakout groups to discuss action plans for PWS and Agromet</b> <ul style="list-style-type: none"> <li>responsibility of SWFDP focal points with respect to PWS (e.g. doing quarterly report etc)</li> <li>responsibility of SWFDP focal points with respect to Agromet (e.g. doing quarterly report etc)</li> <li>PWS guidelines for SWFDP</li> <li>Agromet wrap-up and guidelines</li> </ul>	S. Muchemi B. Stefanski	30 Minutes
<b>1000 - 1030</b>	<b>COFFEE / TEA BREAK</b>		<b>30 minutes</b>
1030-1130	<b>Breakout groups to discuss action plans for PWS and Agromet (Continued)</b>	S. Muchemi B. Stefanski	60 minutes
1130 - 1230	Participants draft an action plan for when they return to their respective services and present the action plans	Participants	60 minutes
<b>1230 - 1400</b>	<b>LUNCH BREAK</b>		<b>90 minutes</b>
1400 - 1500	Review of the workshop	R. Stefanski	40 minutes
1500	Closure		