

WMO PTC/ GCC Workshop on Impact-based Forecast and Warning Services, Muscat, Sultanate of Oman from 5 to 9 November 2023

Sunday 05 November			
Time	Topic	Period (Mins)	Expert
0830- 0845	Opening of Workshop	15	WMO, CAA
0845 – 0900	Participants introductions	15	WMO Vasquez Vicente
0900– 0910	Workshop objectives, outline	10	WMO Vasquez Vicente
0910– 0940	Recap of the Pre-workshop training Status of individual participation and performance at the pre-workshop training (Pre-workshop training and in-person training will be carried out in Moodle platform. Instructions to sign up for the Moodle resources will be available shortly on the workshop website)	30	Gerald Fleming
0940- 1000	Coffee Break	20	
1000- 1100	Fleshing out the basic concepts of IBF and the process of implementing it	60	Gerald Fleming
1100-1130	Hazards affecting Oman by impacts	30	CAA
1130- 1200	Discuss the impacts of the most relevant hazards, e.g., lives, property, damages, internally displaced persons.	30	Jehan Panti
1200 - 1230	Coffee break	30	
1230- 1400	Severe weather impacts and advisories – an example from Oman if they have and compared with Philippines	90	Jehan Panti
1400 - 1500	Lunch break	90	
Monday 06 November			
0830- 0930	Exercise on vulnerability and exposure (the map exercise) which introduces the key terminology on impact based forecasting	60	Dr. R K Jenamani with support with other lecturers
0930 – 0950	Coffee Break	20	
0950 - 1120	Exercise on vulnerability and exposure (the map exercise) which introduces the key terminology on impact based forecasting	90	Dr. R K Jenamani with support with other lecturers
1120 - 1220	Forecast uncertainty for anticipatory action (an interactive exercise which introduces stakeholders to the concepts of forecast uncertainty, and then through a fictional setting bringing stakeholders	60	Dr. R K Jenamani with support with other lecturers

	together (based on the old FBEA game) and the actions they may take at different lead times – emphasising coproduction etc., etc.,)		
1220 – 1240	Coffee Break	20	
1240 -1410	Forecast uncertainty for anticipatory action (an interactive exercise which introduces stakeholders to the concepts of forecast uncertainty, and then through a fictional setting bringing stakeholders together (based on the old FBEA game) and the actions they may take at different lead times – emphasising coproduction etc., etc.,)	90	Dr. R K Jenamani with support with other lecturers
1410- 1510	Lunch Break	60	
Tuesday 07 November			
0830 - 0930	Hands-on collaboration to develop hazard impacts table for RAIN, WIND and TEMPERATURE. Breakout rooms. Impact tables for Oman (Department of Meteorology)	60	Gerald Fleming with support with other lecturers
0930 - 0950	Coffee Break	20	
0950 - 1120	Hands-on collaboration to develop hazard impacts table for RAIN, WIND and TEMPERATURE. Breakout rooms Impact tables for Oman (Department of Meteorology)	90	Gerald Fleming with support with other lecturers
1120 - 1220	Impact tables Met Oman or (Oman Experience in Hazard Management)	60	CAA
1220- 1240	Coffee break	20	
1240 - 1410	“Downscaling” IBF based on information (this isn’t downscaling in an NWP sense but more how you would use information on vulnerability etc., to change the risk level for different areas in a fictional setting)	90	Dr. R K Jenamani with support with other lecturers
1410 -1510	Lunch Break	60	
Wednesday 08 November			
0830 - 0930	Simulation of a warning and response process using the example of a hazard that occurred in Cambodia in the past The IBF warning process Determining likelihood of impacts Forming IBF warning message Determining response using the warning message	60	Jehan Panti with support with other lecturers
0930 - 0950	Coffee Break	20	
0950 - 1120	Simulation of a warning and response process using the example of a hazard that occurred in Cambodia in the past The IBF warning process Determining likelihood of impacts Forming IBF warning message Determining response using the warning message	90	Jehan Panti with support with other lecturers

1120 - 1220	Forming partnerships for IBF, review WMO strategy for service delivery, roadmap to improve value in services, address overlapping mandates to issue warnings And The Common Alerting Protocol (CAP) standard of communicating emergency warnings	60	WMO Vasquez Vicente
1220 - 1240	Coffee break	20	
1240 - 1340	Participants hold a working session to develop a sample MoU between Oman Met and a stakeholder (e.g. DMO, TBD)	60	Gerald Fleming
1340 - 1410	Consideration of a mechanism for archival and sharing of impacts data	30	Gerald Fleming
1410 - 1510	Lunch Break	60	
Thursday 09 November			
0830 – 0930	A hazard situation simulation to be staged comprising: going through the stages of issuing a warning by Oman Met staff, using the IBFWS communication mechanism to communicate the warning, staff of DMO and other stakeholders receive the warning, make intervention decisions, communicate decisions to the media, media communicates to the public, DMO/stakeholders evaluate actions taken, collect and records impacts, send feedback to Oman Met, Oman Met receives message and records feedback for future reference	60	Jehan Panti with support with other lecturers
0930 - 0950	Coffee Break	20	
0950 - 1120	A hazard situation simulation to be staged comprising: going through the stages of issuing a warning by Oman Met staff, using the IBFWS communication mechanism to communicate the warning, staff of DMO and other stakeholders receive the warning, make intervention decisions, communicate decisions to the media, media communicates to the public, DMO/stakeholders evaluate actions taken, collect and records impacts, send feedback to Oman Met, Oman Met receives message and records feedback for future reference	90	Jehan Panti with support with other lecturers
1120 - 1140	Coffee Break	20	
1140 - 1310	Decision-making: using an IBF warning, validation of warning by DMO and stakeholders. Feedback of accuracy and usage of warning to Oman Met. <i>(By breakout groups? to consider communication mechanisms? – to think out the best delivery method)</i>	90	Gerald Fleming with support with other lecturers
1310 -1330	Quiz and Workshop Evaluation carried out and results discussed	20	WMO Vasquez Vicente
1330 – 1400	Closure of Workshop	30	All
1400 - 1500	Lunch Break		