WORLD METEOROLOGICAL ORGANIZATION WDS/PWS/SHW-IBFRBW-PP/Doc.1

STAKEHOLDERS WORKSHOP TO IMPLEMENT
A PILOT PROJECT ON IMPACT-BASED
FORECASTING AND RISK-BASED WARNINGS

VACOAS, MAURITIUS, 26-30 OCTOBER 2015 ORIGINAL: ENGLISH

# PROVISIONAL PROGRAMME

## EXPECTED OUTCOME

Planning and Design of a Pilot Project on impact-based forecasting for Mauritius

| | DAY 1 (WORKING HOURS: 0900-1700) | | |
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| **TIME(S):** | **TITLE(S) / SUBJECT(S):** | **PRESENTER(S):** | **TIME(S):** |
| **WELCOME AND INTRODUCTION** | | | |
| | • Opening (including reason for workshop)<br>• Introduction of participants<br>• Working arrangements | **MMS & WMO (Haleh Kootval)** | **0900-1000** |
| **STIMULATING THE NEED FOR ACTION** | | | |
| | | | **1000-1200** |
| | Presentation on challenges and short-comings of current warning and response systems:<br>• Meteorological and hydrological hazards and their impacts;<br>• Existing forecasting and warning services;<br>• Disaster reduction activities | **MMS & NDRRMC** | |
| | **Coffee Break and Group Photo** | | |
| | Presentations by stakeholders<br>• How stakeholders cope with hazards that affect their day-to-day operations and activities | **Stakeholders** | |

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| | **Lunch** | | |
| | | | **1300-1700** |
| | Presentations by stakeholders How stakeholders cope with hazards that affect their day-to-day operations and activities (continued) | **Stakehoders** | |
| | **Coffee Break** | | |
| **RESPONDING TO THE CHALLENGES AND NEED FOR CHANGE** | | | |
| | Presentation:<br>• Multi-hazard, impact based forecasting and warning services in Mauritius (focus on benefits to users) | **Ele Hunt (MO)** | |
| **DAY 2 (WORKING HOURS: 0900-1700)** | | | |
| **IMPACT-BASED FORECASTING: INTRODUCTION TO MAPPING AND MODELLING** | | | |
| | | | **0900-1200** |
| | Re-cap on Day 1 and outlook for Day 2 activities | **Ele Hunt (MO)** | |
| | Introduction to hazard matrices | **Ele Hunt (MO)** | |
| | Develop a hazard matrix for each stakeholder group | **All** | |
| | Summary of hazard matrices | **Ele Hunt (MO)** | |
| **Coffee Break** | | | |
| | Presentations:<br>• Introduction to technologies and modeling for providing objective risk-impact assessments | **Rick Murnane (GFDRR), Deepak Vatvani (Deltares)** | |
| | **Lunch** | | |
| | | | **1300-1700** |
| | Presentations<br>• Existing risk mapping information<br>• Existing vulnerability and Exposure information for | **MMS, National GIS expert, and stakeholders** | |

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| | real time or climate-based impact mapping<br>• Information on locations and activities prone to hazards not already captured in existing databases, including historical reports, which could be used for risk mapping | | |
| | **Coffee Break** | | |
| **IMPACT-BASED FORECASTING: DEVELOPING IMPACT AND ADVICE MATRICES** | | | |
| | Introduction to impact and advice matrices | **Ele Hunt (MO)** | |
| | Develop an impact matrix for a range of hazards and stakeholder groups. Review and discuss | **All participants** | |
| | Summary of impact and advice matrices | **Ele Hunt (MO)** | |
| **DAY 3 (WORKING HOURS: 0900-1700)** | | | |
| **IMPACT-BASED FORECASTING: DEVELOPING IMPACT AND ADVICE MATRICES** | | | |
| | | | **0900-1200** |
| | Re-cap on Day 2 and outlook for Day 3 activities | **Ele Hunt and Stakeholders** | |
| | Develop a mitigation advice matrix for each hazard and stakeholder group. Review and discuss | **All participants** | |
| | **Coffee Break** | | |
| | Stakeholders exercises using historical events or simulated scenarios to test each impact matrix and the resulting warning color | **All participants** | |
| | **Lunch** | | |

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| **TESTING AND COMMUNICATION** | | | |
| | | | **1300-1700** |
| | Create and agree on SOPs for severe weather and related hydrometeorological events; and test | **All participants led by Haleh Kootval (WMO)** | |
| | **Coffee Break** | | |
| | Create and agree on SOPs for severe weather and related hydrometeorological events; and test (continued) | **All participants led by Haleh Kootval (WMO)** | |
| **DAY 4 (WORKING HOURS: 0900-1700)** | | | |
| **IMPLEMENTATION** | | | |
| | Topics for discussion and agreement:<br>• Formalizing an operational partnership<br>• Training plan<br>• Creating a communication plan including community engagement<br>• Operational implementation<br>• Identification of resource gaps | **MMS, Haleh Kootval (WMO)**<br>**Ele Hunt (MO), and Stakeholders** | |
| | **Coffee Break** | | |
| | Topics for discussion and agreement (continued) | | |
| | **Lunch** | | |
| | Topics for discussion and agreement (continued) | | **1300-1700** |
| **DAY 5 (WORKING HOURS: 0900-1700)** | | | |
| **TECHNICAL ISSUES AND DISCUSSIONS FOR NEXT STEPS OF THE PROJECT** | | | |
| | Discussions on the role of GIS to enable users to better understand and visualize the relationship between multiple hazards, vulnerabilities and impacts | | |

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| | Discussion on the development of the operational implementation of the delivery of impact-based forecast and warning services. A proposed GIS multi-hazard system would be tested, evaluated and revised as feasible. Once this component is complete, the new system could replace, or complement the subjective process | | |
| | Explore further refinement of the relationship between specific hazards and impacts by using more advanced vulnerability data | | |
| | The next steps:<br>• Timeline<br>• Milestones<br>• Deliverables | **WMO /MMS** | |
| | Closure of the workshop | | |

ABBREVIATIONS
MMS – Mauritius Meteorological Services
NDRRMC – National Disaster Risk Reduction and Management Centre
GFDRR – Global Facility for Disaster Reduction and Recovery
MO – Met Office, UK
WMO – World Meteorological Organization _____