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| WORLD METEOROLOGICAL ORGANIZATION\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_STAKEHOLDERS WORKSHOP TO IMPLEMENT A PILOT PROJECT ON IMPACT-BASED FORECASTING AND RISK-BASED WARNINGSVACOAS, MAURITIUS, 26-30 OCTOBER 2015 |  | WDS/PWS/SHW-IBFRBW-PP/Doc.1ORIGINAL: ENGLISH |

**PROVISIONAL PROGRAMME**

**Expected Outcome**

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

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|  | **DAY 1 (WORKING HOURS: 0900-1700)** |  |
| **TIME(S):** | **TITLE(S) / SUBJECT(S):** | **PRESENTER(S):** | **TIME(S):** |
| **WELCOME AND INTRODUCTION** |
|  | * Registration
 |  | **0830-0900** |
|  | * Welcome Address
 | **Director Meteorological Services** | **0900-0910** |
| **WMO (Haleh Kootval)** | **0910-0920** |
| **Minister of Environment and SD, Disaster and Beach Management, Hon. R. Dayal** | **0920-0935** |
|  | * Introduction of participants
* Working arrangements
 | **MMS & WMO (Haleh Kootval)** | **0935-1000** |
| **STIMULATING THE NEED FOR ACTION** |
|  |  |  | **1000-1200** |
|  | Presentation on challenges and short-comings of current warning and response systems:* Meteorological and hydrological hazards and their impacts;
* Existing forecasting and warning services;
* Disaster reduction activities
 | **MMS & NDRRMC** |  |
|  | **Coffee Break and Group Photo** |
|  | Presentations by stakeholders* How stakeholders cope with hazards that affect their day-to-day operations and activities
 | **Stakeholders** |  |
|  | **Lunch** |  |
|  |  |  | **1300-1700** |
|  | Presentations by stakeholdersHow 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:* 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:* Introduction to technologies and modeling for providing objective risk-impact assessments
 | **Rick Murnane (GFDRR),** **Deepak Vatvani (Deltares)** |  |
|  | **Lunch** |

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|  |  |  | **1300-1700** |
|  | Presentations* Existing risk mapping information
* Existing vulnerability and Exposure information for real time or climate-based impact mapping
* Information on locations and activities prone to hazards not already captured in existing databases, including historical reports, which could be used for risk mapping
 | **MMS, National GIS expert, and stakeholders**  |  |
|  | **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** |
| **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:* Formalizing an operational partnership
* Training plan
* Creating a communication plan including community engagement
* Operational implementation
* Identification of resource gaps
 | **MMS, Haleh Kootval (WMO)****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 |  |  |
|  | 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:* Timeline
* Milestones
* 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 \_\_\_\_\_\_\_\_\_\_