

Third Meeting of the Pacific Meteorological Council (PMC-3)

20-23 July 2015
Nuku'alofa
The Kingdom of Tonga

[ADD1] Agenda Item 8.3: Multi-hazard Early Warning Systems - Coastal Inundation and Hazards (SPC/WMO)

Purpose

1. To provide information on:
 - (a) the outcomes of the Seventeenth World Meteorological Congress (Cg-17) on Multi-hazard Early Warning System (MHEWS), Disaster Risk Reduction (DRR) and Coastal Inundation Forecasting Demonstration Project (CIFDP);
 - (b) WMO DRR programme and implementation plan for Sendai Framework on Disaster Risk Reduction (2015-2030); and
 - (c) WMO Marine Meteorology and Ocean Programme (MMOP) work on DRR through storm surge forecasting/scheme and, in coordination with WMO Tropical Cyclone Programme (TCP).

Update

2. The Joint WMO- Intergovernmental Oceanographic Commission (IOC) of UNESCO Technical Commission for Oceanography and Marine Meteorology (JCOMM) proactively contributes to disaster management in coastal and marine hazards. It has published Guide to Storm Surge Forecasting. It works collaboratively with TCP and the Commission for Basic Systems (CBS) on Storm Surge Watch Scheme (SSWS).
3. JCOMM and the Commission for Hydrology (CHy) CIFDP had preliminarily showed its value of integrated coastal inundation forecasts and warnings, and of the MHEWS. Cg-17 appreciated CIFDP for its direct contribution to coastal areas with impact based forecasting services. Congress further encouraged JCOMM to collaborate closely with Severe Weather Forecasting Demonstration Project (SWFDP) and TCP to improve service efficiency and effectiveness.
4. CIFDP has been implemented through 5 sub-projects, of which CIFDP in Fiji has finished its Phase I in December 2013, with support from the Government of Korea. It has identified and documented national status and requirements for coastal inundation forecasting and warning services, and established a road map for operational end-to-end coastal inundation

forecasting system. Both National Capacity Assessment (NCA) and User Requirement Plan (URP) have been published. Phase II is now being negotiated closely with potential donors.

Recommendations

5. The Meeting is invited to:

- **Note** WMO Cg-17 decisions and recommendations on MHEWS, DRR and CIFDP;
- **Recommend** to develop regional initiative in close consultation with CIFDP Project Steering Group and regional and national agencies to improve disaster risk management of the coastal community.

Attachments

Nil

15 July 2015