METAREA VIIS

Report

WEATHER CLIMATE WATER TEMPS CLIMAT EAU

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WMO OMM World Meteorological Organization Organisation météorologique mondiale

**Introduction**

**New service-related activities**

**-The Mauritius Early-Warning System for storm surge and tide was implemented using software from Deltares’ Open-Source and free software Community.**

***- A set of five depth- averaged Delft3D-FLOW hydrodynamic models are run every six-hours with a forecast horizon of three days, simulating water levels along the coast of the three main islands. - - Two regional models of horizontal resolution 5km force the three detailed models of 500m resolution; all models are forced at the surface by the 0.25 ◦ NOAA/GFS meteorological forecasts.***

**Planned service-related activities**

***-The Mauritius Early-Warning System for storm surge and tide is in the process of being upgraded to include waves and swells components***

***Additional products will be coastal inundation***

***-The Government of Mauritius has recently set up a department***

***dedicated to the provision of hydrographic services : Mauritius Hydrographic Unit Close collaboration with the Meteorological Services***

***-State of the art radar is being set up with a radius of about 400***

***km Improved service delivery in region 8/1 & 8/3***

***-Planned upgrade of the transmission system for operational use***

**Abnormal receipt of forecast on board**

**Reported by user**

**Transmission system in MMS thoroughly checked**

**Recent challenges encountered with MSI provision or coordination**

**Switched to another system**

**Forecast receipt improved but still should be improved to July 2018 format**

**Significant examples of stakeholder interactions or education activities**

**- Hydrographic surveys**

**- Deployment of drifters in collaboration with shipping**

**companies**

**- Increase visibility of ocean related research through**

**the collaboration with educational institutes to launch ARGO floats**

**- IIOE 2 & IOC subcommission for Africa and Adjacent**

**Islands projects**

Thank you Merci