

MDG 2: Sea State Information for Improving maritime navigation security & safety for Madagascar

Keywords: Sea state, forecasting, ocean waves, ocean winds.



Primary actors

Madagascar: CFIM (Franck Razafindraibe)
UK: SatOC (Ellis Ash)

Stakeholders / End Users

CFIM (Maritime Information Fusion Centre), DGM (Meteorological Office), Maritime traffic, Local users

Introduction / Statement of the Problem

Knowledge and forecasting of sea state (wave heights and wind speeds) is crucial for navigation and all local marine users. This case study will focus on supplementing existing resources with additional sea state forecasts and satellite sea state information.

Case study description

The case study will involve the following activities:

- Support to navigation, Port operations & development, Risk management.
 - Additional observation and forecast information on sea state.
 - Monitoring and early warning of storm conditions.
- Feed of C-RISe data / DGM forecast into CFIM: Near Real Time and archived data.
- Support to existing CFIM Maritime Information System.

Expected Impacts

Primary Impact: 2018 onwards (Initial instance example reported April 2018)
Enhanced sea state analyses and forecasts, including winds and waves associated with tropical storms, leading to improved operational safety and planning.

Secondary Impact: To be reported on Case Study Completion at March 2019
Development of capability at CFIM to access and analyse relevant forecast information and satellite data sources (especially near real time).

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