



United Nations
Educational, Scientific and
Cultural Organization



Intergovernmental
Oceanographic
Commission

Member State Report for The Republic of Mauritius

Mainland-Mauritius

Location: 20.3 deg S, 57.5 deg E

South Indian Ocean, 2000km East of Africa

Land area 2040 km², EEZ 2.3 million km²

Population: 1.27 million (Census 2018)

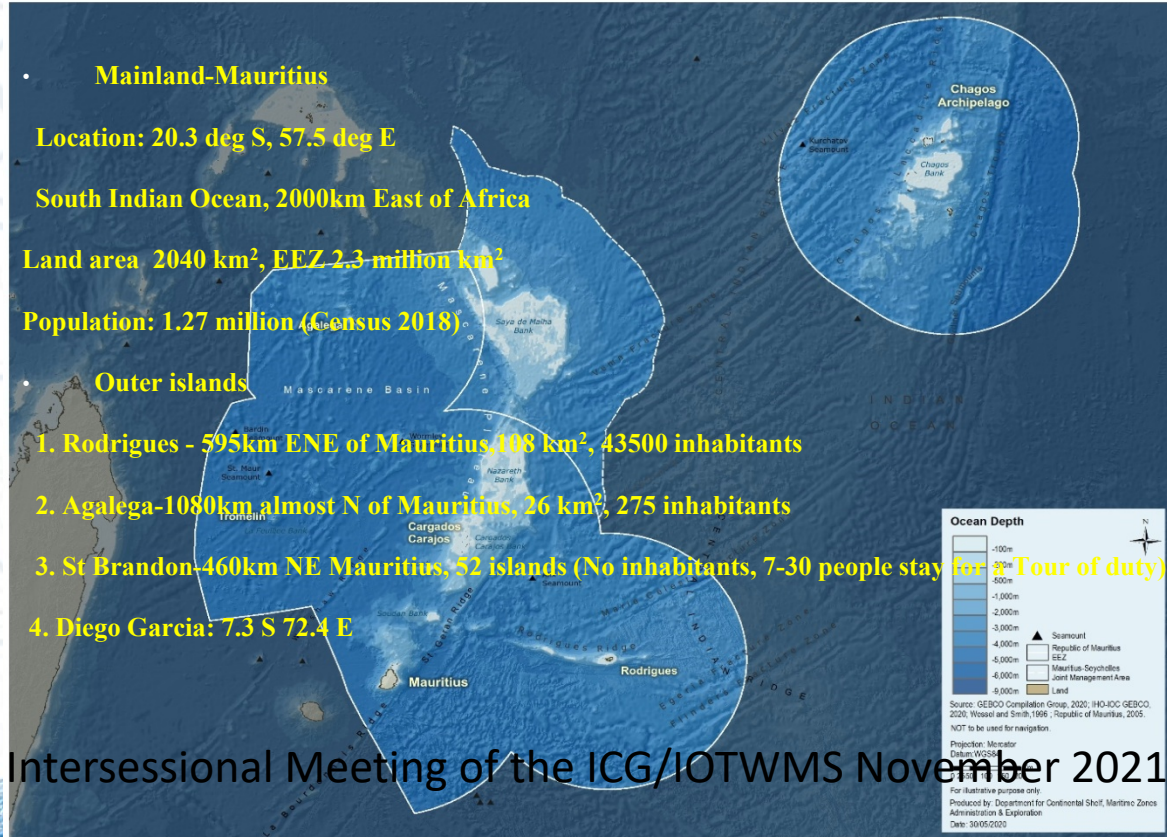
Outer islands

1. Rodrigues - 595km ENE of Mauritius, 108 km², 43500 inhabitants

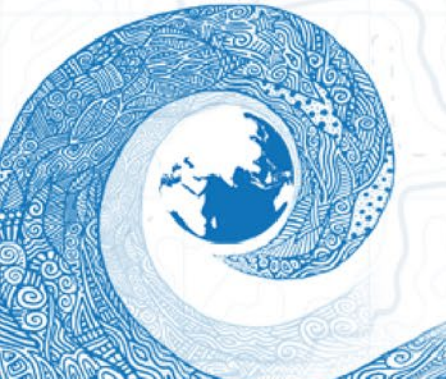
2. Agalega-1080km almost N of Mauritius, 26 km², 275 inhabitants

3. St Brandon-460km NE Mauritius, 52 islands (No inhabitants, 7-30 people stay for Four of duty)

4. Diego Garcia: 7.3 S 72.4 E



Intersessional Meeting of the ICG/IOTWMS November 2021



Activities

Please provide information on the status of national tsunami warning & mitigation activities

The Mauritius Meteorological Services- official National Tsunami Warning Centre for the Republic of Mauritius.

Sole institution responsible for Earthquake and Tsunami monitoring and issue warning bulletins if required for all the islands under its jurisdiction.

Monitoring done mainly through USGS and CISN websites & RIMES network.

Alarm system which activate in case of Earthquake of Magnitude ≥ 3.5 & $5\text{km} < \text{epicentre depth} < 200\text{km}$

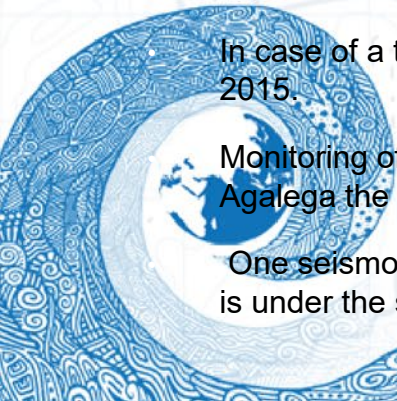
Operational 24/7 unit ensuring Earthquake and Tsunami watch.

Whenever an earthquake of Mag ≥ 5.0 on the Richter scale occurs and any island of the Republic falls within a radius of 400km, the NDRRMC and the Director of the MMS are notified immediately.

In case of a threat- Meteorologist on duty will take action as per the SOP of MMS & National Disaster Scheme 2015.

Monitoring of Tide gauge in Mauritius (Port-Louis harbour & Blue-Bay) and Rodrigues (Port-Mathurin). At Agalega the tide gauge is under maintenance.

One seismometer only at Vacoas: the software & hardware are being updated. The seismometer at Rodrigues is under the supervision of Globe de Paris, thus the data cannot be obtained in real time.



Future Plans

UN Decade action ID 75 - “Enhancing ocean observing system within The Republic of Mauritius”

- In the context of the UN call for Decade Action, the Mauritius Meteorological Services is proposing to enhance its existing ocean networks by increasing the number of tide gauges.

-The MMS is looking forward to improve the staff capabilities by seeking opportunities for capacity building in the field of the ocean observation and research in physical oceanography and tsunamis.

-Efforts will be made to seek funds for the installation of Deep Ocean Tsunami Detection Buoys at Agalega, Rodrigues and Mauritius



Issues

- Please highlight any issues facing the national tsunami warning & mitigation activities
 - Increase Human Resource & Capacity building
 - Absence of a fully operational Monitoring unit with fully qualified personnel
 - Insufficient seismometer to monitor earthquake data: install seismometers at Agalega, St-Brandon and Rodrigues. An additional seismometer in Mauritius
 - Inaccessibility of seismometer data from the network Globe de Paris, Get the data from the existing seismometer at Rodrigues in Real Time from the Globe of Paris network

