

# NATIONAL REPORT

## Morocco

The planned installation of Tan Tan tide gauge station is a continuation of previous projects carried within the framework of multilateral activities of the National Institute of Geophysics in Morocco. The monitoring of sea level variations, tsunami and coastal risks are periodically addressed in natural hazards meetings.

In this regard, several workshops were also organised by ministries and local governorates to highlight this subject. The concern increased after the High Atlas, Morocco earthquake on September 2023 and the National Institute of Geophysics is invited to contribute actively in the national strategy for natural risk mitigation.

Providing real time observations of the sea level variations is necessary for all emergency plans on the coasts either for short term or long term variations. Within the framework of the tsunami ready program of the IOC, two tide gauge stations were installed in Saidia Marina on the Mediterranean coast and Jorf Lasfar harbour on the Atlantic coast. A third station is planned for Larache city on the Atlantic coast too. The National Institute of Geophysics expects to link more stations to the sea level observation system in the coming years.

An effort was also made in the assessment of the tsunami threat in several cities and coastal segments on both the Atlantic and Mediterranean coasts of Morocco segments in Morocco. The question that is frequently arising is the level of awareness and preparation that we can reach together in the near future to cope with this natural hazard.

Tsunami inundation maps and coastal evacuation routes are explained within the framework of the preparation of prevention plans that are already prepared. Many suggestions were already collected from universities departments to host evacuation exercise to show to local population different approaches regarding the reaction when facing the tsunami threat in particular situations when a tsunami early warning is issued.