

Tsunami Detection and Early Warning in Timor-Leste

Wednesday, June 21, 2023 1:45 PM (15 minutes)

Timor-Leste is a small country that lies along the Pacific Ring of Fire. According to Think Hazard, the entire country's exposure to earthquakes is high, which suggests that there is more than 20% chance of potentially-damaging earthquake shaking in the country in the next 50 years. Moreover, as a country surrounded by about 706 kilometres of coastline, it also faces the threat of tsunamis. In the last century, three tsunami episodes have been recorded along the country's northern coast. Currently, Timor-Leste is partnering with Australia and Indonesia to monitor earthquakes and tsunamis. However, issues with connectivity with neighbours' warning agencies have made it challenging to monitor earthquakes or tsunamis in real time. This weakness will seriously affect Timor-Leste's ability to provide timely warnings to evacuate or temporarily shut down facilities.

Timor-Leste, through the Civil Protection Authority (CPA), aims to strengthen its early warning system by rapidly acquiring and disseminating critical information on significant earthquakes that can potentially cause a tsunami. Through strong collaboration with CTBTO, the CPA would like to leverage the predictive analytic capacity of the International Monitoring System to issue timely warnings to save more lives.

E-mail

yoga@sofyar.net

Promotional text

Detection and early warning in Timor-Leste

Oral preference format

in-person

Primary author: Mr BABO, Ida Costa (Civil Protection Authority)

Presenter: Mr BABO, Ida Costa (Civil Protection Authority)

Session Classification: O5.2 Synergies with Global Challenges

Track Classification: Theme 5. CTBT in a Global Context: T5.2 Synergies with Global Challenges