

Photo: ADPC

ESCAP TRUST FUND

FOR TSUNAMI,
DISASTER AND
CLIMATE
PREPAREDNESS

CAPACITY BUILDING TO MONITOR AND EVALUATE SEA LEVEL FOR TSUNAMI EARLY WARNING SYSTEMS



Beneficiary
Countries

**Philippines,
Viet Nam**

Implementing
Partners

**Asian Disaster
Preparedness
Center (ADPC)**

Budget (US\$)
\$260,000

Duration
**Aug. 2006 to
Aug. 2010**

Related SDGs



PROJECT CONTEXT

Timely tsunami warnings enhance emergency response capacities. The devastating Indian Ocean Tsunami of 2004 has revealed significant gaps in the functioning of tsunami early warning (TEW) and emergency response systems. The lack of sufficient real-time sea level gauge stations has severely limited the operability of TEW systems. A functioning regional network of stations is therefore essential to allow adequate response to this transboundary hazard. This includes not only the increase of numbers and geographical distribution of stations but also the provision of trainings on operating and maintaining those stations in a long-term to ensure sustainability of such system.

PROJECT OBJECTIVE

This project aimed to enhance capacities to observe and evaluate anomalous sea level conditions and contributed to improving TEW in the region.

KEY OUTCOMES

- Four near real-time sea level stations were established/upgraded in Subric and Lubang (Philippines), and Qui Nhon and Vung Tau (Viet Nam). The installed system sends one-minute interval data every 15 minutes.
- The stations' data is shared globally through the World Meteorological Organization's (WMO) Global Telecommunication System and the Intergovernmental Oceanographic Commission of UNESCO (IOC-UNESCO) Sea Level Monitoring Facility.
- Technical staff of the Coast and Geodetic Survey Department and the National Mapping and Resource Information Authority (NAMRIA) of the Philippines, and the Marine Hydro-Meteorological Center (MHMC) of Viet Nam was trained in equipment installation, system configuration, testing, and maintenance.

For further information, please visit:

www.ioc-sealevelmonitoring.org/station.php

