



United Nations
Educational, Scientific and
Cultural Organization



Intergovernmental
Oceanographic
Commission



National Oceanic
and Atmospheric
Administration



International
Tsunami Information
Center

UNESCO – IOC / NOAA INTERNATIONAL TSUNAMI INFORMATION CENTER (ITIC) ITIC TRAINING PROGRAMME INTERNATIONAL, SAMOA (ITP-Samoa)

Using the PTWC Enhanced Products and the Tsunami Coastal Assessment Tool (TsuCAT) for Tsunami Hazard Assessment and Threat Decision-Making

Apia, Samoa

16, 19, 20 June 2017

In 2014, the PTWC implemented Enhanced Products for the PTWS that now include wave amplitude forecasts in both text and graphical formats, and that require each country to explicitly assign Warning / Watch status in their own messages to their coasts. Through March 2017 using its new criteria and products, PTWC response to 17 Threat Message events - four earthquakes measured $M_w \geq 7.9$ and 12 were Local Tsunami Threats.

In 2017, to assist countries in assessing their tsunami hazard, developing exercise scenarios, and improving their response planning and warning decision-making, NOAA and the ITIC developed and distributed its Tsunami Coastal Hazard Assessment Tool (TsuCAT). TsuCAT is an offline tool that provides access to a Pacific database of tsunami modeling results from NOAA's pre-computed catalog of sources, NOAA's National Centers for Environmental Information (NCEI) historical tsunami sources, and the U.S. Geological Survey earthquake archive.

This training targets National Tsunami Warning Center and Tsunami Emergency Response and/or Emergency Operations Center staff.

Trainers

Dr. Laura Kong, Director, ITIC, Hawaii, USA

Rajendra Prasad, Programme Officer, IOC Tsunami Unit, Fiji

Training Agenda –

Session 1: 16 June 2017, 1300-1700

1. ICG/PTWS-XXVII Outcomes and Actions (DRAFT-ICG-PTWS-XXVII_e.docx.doc)
2. PTWS TEMPP Training Course and Pilot (TEMPP_TT_TEPM_Kong_ITS17_Samoa.ppt)
3. PTWS ICG/CARIBE Tsunami Ready guideline piloting (TR-I_mar17.ppt)
4. Review of PTWC Enhanced Products in the context of Samoa's threats (PTWC_RIFT, Scenarios folders)

Session 2: 19 June 2017, 1300-1700

5. Lessons learned from recent events - Warning and response SOPs
 - a. PTWC summary – Events, PTWC Performance against Indicators (PTWC Report for ICG-PTWS-XXVII.ppt)
 - b. Samoa Tsunami Warning Operations (Two Samoa Meeting 2017.ppt)
6. Updates to Tsunami Warning decision support tools – Tide Tool with TTT (TWTools_Tidetool folder)

Session 3: 20 June 2017, 0900-1200

7. Using Tsunami Coastal Hazard Assessment Tool (TsuCAT folder)