

EXERCISE PACIFIC WAVE 11 - PARTICIPATION					
As 11 Nov 2011, 38 countries or 44 countries/country sub-jurisdictions.					
Scenarios: Kamchatka (Kuril-Kamchatka Trench), Ryukyu Islands (Nansei-Shoto Trench), Philippines - South China Sea (Manila Trench), Philippines - Pacific Ocean (Philippines Trench), Vanuatu (New Hebrides Trench), Tonga (Tonga Trench)					
Scenarios: Chile (Peru-Chile Trench), Colombia-Ecuador (Colombia – Ecuador Trench), Central America (Middle America Trench), Aleutian Islands (Aleutian Trench)					
Country	Participation (Yes/No)	Scenario	Type of Exercise (Orientation, Drill, Tabletop, Functional, Full-scale)	Agencies Involved, Exercise Plan	Point of Contact
Australia	YES	Vanuatu (New Hebrides Trench)	Functional	Eastern states and one offshore territory of Australia will participate (Queensland, New South Wales, Victoria, Tasmania and Norfolk Island). JATWC, State Emergency Services, Police Force in Queensland and Tasmania and the National Crisis Co-ordination Centre (Attorney General's Department in the national capital city)	Rick Bailey, Don Anderson (Bureau of Meteorology)
Brunei Darussalam	YES	Manila Trench	Orientation	Meteorological Service, Department of Civil Aviation, Natural Disaster Management Centre.	Hj Sidup Hj Sirabaha (Meteorological Service)
Canada	NO			British Colombia participated to US PACIFEX tsunami exercise, March 2011	Denis D'Amours, Canadian Hydrographic Service, Fisheries and Oceans Canada
Cambodia	Not known				
China	YES	Manila Trench	Full-scale	NMEFC, local governments, 300 villagers and students evacuated to safe places in what was expected to be the worst-hit city, Huizhou, Guangdong Province	Fujiang Yu (Deputy Director, National Marine Environmental Forecasting Center, State Oceanic Administration)
China - Hong Kong	YES	Manila Trench	Tabletop	30 govt organizations	HY Mok (Hong Kong Observatory)
China - Macau	NO			planning exercise next year	Ivan Leong (Chief Seismological Monitoring, Meteorological and Geophysical Bureau)
China - Taiwan	Not known				Wei-Sen Li (National Science and Technology Center for Disaster Reduction); Central Weather Bureau
Colombia	YES	not provided in advance, but will not be Colombia-Ecuador Trench (local)	Drill - multi-institution	TWFP will not communicate the chosen scenario beforehand. Coastal communities have been educated to react to prolonged strong shaking ('alerta personal'). All institutions between TWFP and last local (Tumaco) level before actual public warning to participate, e.g., institutions represented in 'Comité Técnico Nacional de Alerta de Tsunami' representing main communications path between TWFP, National Risk Management Authority, regional and local risk mgmt committees. Full institutional warning communication procedure to be tested.	Hansjürgen Meyer (OSSO, El Observatorio Sismológico y Geofísico del Suroccidente)
Chile	YES	Chile (Peru-Chile Trench)	Full-scale	NTWC (SHOA), Natl Seismological Service, NDMO (Onemi), population. Compressed time (2 hours). Expect limited communications (only VHF / satellite comms), no electricity (generators used). NDMO to send TWC Mercalli intensity report, Seismological service inform on hypocenter, and bulletin issued). Following, NDMO evacuation in Tarapacá region. TWC and NDMO to continue issuing information. Will have exercise conductor, evaluators, pre exercise (nov 7), briefings, hot-debriefing, press and authorities pressure (simulated), press coverage, etc.	Nicolas Guzman, Miguel Vasquez (SHOA, Servicio Hidrográfico y Oceanográfico de la Armada de Chile)
Cook Islands	YES	Tonga (Tonga Trench)	Full-scale - Functional	Will run exercise 1 hr earlier to accommodate schools and govt depts. Some evacuation processes to be implemented by schools and government departments. 6 sirens that are in place will be sounded.	Arona Ngari (Meteorological Service)
Costa Rica	NO				Information per Bernardo Aliaga, ICG/PTWS Technical Secretary

Democratic People's Republic of Korea	Not known				
Ecuador	YES	Colombia-Ecuador (Colombia-Ecuador Trench)	Full-scale	INOCAR (focal point), Risk National Secretary (Risk and Emergency Agency), Esmeraldas Municipality (Gubernamental city)	Patricia Arreaga, Edwin Pinto (INOCAR, Instituto Oceanografico de la Armada)
El Salvador	YES	Colombia-Ecuador (Colombia-Ecuador Trench)	Functional	Techinal office (SNET, Tsunami Focal Point), National Civil Defense office, Local Civil Defense offices in coastal sites previously selected	Jeniffer Larreynaga, Francisco Gavidia (SNET, Servicio Nacional de Estudios Territoriales)
Federated States of Micronesia - Chuuk	YES	Philippines - Pacific Ocean (Philippines Trench)	Tabletop	At a minimum, WSO, DCO, Police, Fire, Health, Environment offices	Johannes Berndon (Weather Service Office)
Federated States of Micronesia - Kosrae	YES	Philippines - Pacific Ocean (Philippines Trench)	Tabletop	At a minimum, WSO, DCO, Police, Fire, Health, Environment offices	Lipar George (Disaster Coordination Office)
Federated States of Micronesia - Pohnpei	YES	Philippines - Pacific Ocean (Philippines Trench)	Tabletop	At a minimum, WSO, DCO, Police, Fire, Health, Environment offices	Eden Skilling (Weather Service Office)
Federated States of Micronesia - Yap	YES	Philippines - Pacific Ocean (Philippines Trench)	Functional	Stakeholders that will be involved are as follows: Disasters Control Office (DCO), Public Safety, Public Health, Public Transportation System/Sea Transportation, Red Cross, Media	Kensley Ikosia (Disaster Coordination Office), David Aranug (Weather Service Office)
Fiji	YES	Tonga (Tonga Trench)	Full-scale	Schools tsunami evacuation mock drill to take place	Sefa Sefanaia (Mineral Resources Department)
France - French Polynesia	YES	Aleutian Trench	Tabletop	Civil Defense headquarters, CPPT (Centre Polynésien de Prévention des Tsunamis)	Dominique Reymond (CPPT, Centre Polynésien de Prévention des Tsunamis)
France - New Caledonia	NO				
France - Wallis & Futuna	NO				Benjamin Gerard, Chef des Services du Cabinet du Préfet, Chargé de communication du Préfet, Administrateur Supérieur des îles Wallis et Futuna
Guatemala	YES	Colombia-Ecuador (Colombia-Ecuador Trench)	Tabletop	INSIVUMEH and CONRED (Coordinadora para la reducción de Desastres en Guatemala)	Victoria Cáceres (Departamento de Geofísica, INSIVUMEH, Instituto Nacional de Sismología, Vulcanología, Meteorología y Hidrología)
Honduras	NO				Juan Jose Reyes (SAT COPECO, Permanent Commission for Emergencies)
Indonesia	YES	Manila Trench	Tabletop / Functional	BMKG (NTWC); recently participated as Regional Tsunami Service Provider to Indian Ocean Wave (12 Oct 2011)	Suhardjono (BMKG, adan Meteorologi, Klimatologi, dan Geofisika)
Japan - JMA NWPTAC	YES	4 scenarios	Functional	Northwest Pacific Tsunami Advisory Center to issue messages for 4 scenarios	Takeshi Koizumi (JMA, Japan Meteorological Agency)
Kiribati	YES	Vanuatu (New Hebrides Trench)	Orientation	Kiribati Met Service, Disaster Risk Management Office, 1st-ever tsunami exercise	T Ueneta ((Meteorological Service)
Malaysia	YES	Manila Trench	Full-scale	2 drills at Kudat (Sabah) and Labuan involving Disaster Agencies at Federal, State and District Levels. At Kudat, town community will be involved whereas at Labuan, 3 villages will evacuate.	Mohd Rosaidi Che Abas, Irene Eu Swee Neo (Meteorological Department)
Marshall Islands	YES	Philippines - Pacific Ocean (Philippines Trench)	Tabletop	At a minimum, WSO, NDMO, Police, Fire, Health, Environment offices	Reggie White (Weather Service Office)
Mexico	YES	Not Known	Functional	Not Known	Navy Office (Secretaria de Marina)
Nauru	YES	Vanuatu (New Hebrides Trench)	Tabletop	Met, Police, Nauru Rehab, Transport Dept, Fire service, NDRMC	Roy Harris (Nauru Govt)
New Zealand	YES	Vanuatu (New Hebrides Trench)	Tabletop	Large number of organisations involved, including Civil Defence Groups, Health, Police, Fire, Maritime, Welfare agencies, GNS Science	David Coetzee, Jo Guard (Ministry of Civil Defense and Emergency Management)
Nicaragua	YES	Colombia-Ecuador (Colombia-Ecuador Trench), Central America (Middle-America Trench)	Tabletop	Civil Defense, Sinapred, INETER coordinated exercise; govermental staff and communities organizations along Pacific Coast, to rejarce or test the radio comunicaciones.	Alejandro Rodríguez Alvarado - Executive Director, Emilio Talavera - Sismology Director, Angélica Munoz (INETER, El Instituto Nicaragüense de Estudios Territoriales)
Niue	YES	Tonga (Tonga Trench)	Functional	Police, Telecom, Met, Education, Health and Broadcasting/Television	Sionetasi Pulehetoa (Meteorological Service)

Palau	YES	Philippines - Pacific Ocean (Philippines Trench)	Limited Tabletop (originally Functional)	Due to Presidential Declaration No. 11-05, Declaration of a State of Emergency, regarding a catastrophic fire at the Aimelilik Power Plant which completely destroyed at least one generator and all of the controls for the facility, Natl Emergency Committee (NEC) decided to do exercise early next year to test our own communications and SOPs (originally planned participants WSO Koror, NEMO, Education, Bureau of Public Safety (BPS))	Maria Ngemaes (Weather Service Office)
Panama	YES	Colombia-Ecuador (Colombia-Ecuador Trench)	Tabletop	Instituto de Geociencias de la Universidad de Panama received FAX messages and developed communication tests (radio) with the Sistema Nacional de Proteccion Civil (SINAPROC-PANAMA). SINAPROC was busy with inundation emergencies. Geociencias developed estimation of impact from the chosen scenario	Information per Bernardo Aliaga, ICG/PTWS Technical Secretary
Papua New Guinea	YES	Philippines - Pacific Ocean (Philippines Trench)	Functional	PNG National Disaster Center with colleagues at the provinces, Port Moresby Geophysical Observatory, Provincial Authorities, LLG and Ward members, Police and other line agencies, NWS	Chris McKee, Mathew Moihoi (Port Moresby Geophysical Observatory)
Peru	YES	Chile (Peru-Chile Trench)	Drill - Full-scale	Civil Defense, All Naval Stations near coast, National Port Authority, Terminal Maritime Port and Geophysical Institute IGP. For DHN, will use all communication system (iridium, radio VHF, HF, fax, local telephone), monitoring system, and software to estimate arrival wave. Each naval station will simulate the evacuation of their buildings. Recommended to Civil Defense to evacuate population in the south of Perú, because the wave arrival time, will be 130 hours later.	Atilio Aste, Lorena Marquez (DHN, Dirección de Hidrografía y Navegación)
Philippines	YES	Philippines - Pacific Ocean (Philippines Trench)	Functional	The Office of Civil Defense and its regional offices will participate. The National Mapping Resource and Information Authority (NAMRIA) may participate. Early next year, the Philippines intend to do a full-scale exercise using the Manila Trench scenario.	Ishmael Narag (PHIVOLCS, Philippine Institute of Volcanology and Seismology)
Republic of Korea	YES	Ryukyu Islands (Nansei-Shoto Trench)	Drill	KMA (Korea Meteorological Administration), NEMA (National Emergency Management Agency), Local government.	Yonghae Oh, (Earthquake monitoring Division, Korea Meteorological Agency)
Russian Federation	YES	Kamchatka (Kuril-Kamchatka Trench)	Full-scale - Functional	All members of the Russian tsunami Warning Service	Tanya Ivetskaya (Sakhalin Tsunami Warning Center)
Samoa	YES	Tonga (Tonga Trench)	Full-scale	NTWC, DAC, Villages of Mutiatele, Malaela, Poutasi, Faleu-tai and Satupaitea district (Vaega, Mosula, Pitouuu and Satufia	Filomena Nelson (DMO, (Meteorological Division)
Singapore	YES	Manila Trench	Drill - Comms	just participated to IOWave with 15-govt agencies Table Top	Lesley Choo (NEA, National Environmental Agency)
Solomon Islands	YES	Colombia-Ecuador (Colombia-Ecuador Trench)	Functional	Met, NDMO, Media, Telekom, Nat. Referral Hospital, NDC, N-DOC, N-DOC Clusters, PDC, P-DOC and P-DOC Clusters. This includes the involvement of from the National, Provincial and Community Level.	David Hirisia (Meteorological Service), Loti Yates (National Disaster Center)
Thailand	YES	Manila Trench	Functional	NDWC	Capt. Song Ekmahachai. (National Disaster Warning Center)
Tokelau	NO			Recently conducted Cyclone exercise	from David Coetzee (NZ MCDEM)
Tonga	YES	Tonga (Tonga Trench)	Functional	Met, NEMO, GSU, Media, Members of NEMC	Ofa Fa'anunu (Meteorological Service)
Tuvalu	YES	Vanuatu (New Hebrides Trench)	Drill; Functional	Met Office, Disaster Office, Outer Island Met Offices; NDC, Media, TTC, Police, Red Cross, PWD, TEC, Marine, Aviation, IDCs, Schools, Hospitals	Hilia Vavae (Meteorological Service)
UK - Pitcairn Islands	Not known				
USA - PTWC, WC/ATWC	YES	All 10 scenarios; Aleutians	Functional	PTWC to issue messages for 10 scenarios; WC/ATWC to issue messages for 1 scenario	Charles McCreery (Pacific Tsunami Warning Center), Paul Whitmore (West Coast and Alaska Tsunami Warning Center)
USA - American Samoa	YES	Tonga (Tonga Trench)	Functional - full-scale	NWS Pago Pago (lead), TEMCO/ASDHS, EAS Committee, Department of Public Safety(DPS), Department of Education (DOE), Star Kist, Territorial Agency for Old Age. EAS / sirens activated. 3 schools (east, central, west), StarKist tuna factory to participate with evacuation. T.V / radio media blitz to increase awareness. Businesses encouraged to get involved. Government agencies asked to review Emergency Plans. Some villages may participate.	Mase Akapo (National Weather Service Pago Pago)

USA - Guam	YES	Philippines - Pacific Ocean (Philippines Trench)	Tabletop	Will activate EOC which includes about 30 response agencies	Chip Guard (Weather Forecast Office Guam), Edeine Camacho (Office of Civil Defense)
USA - Northern Mariana Islands	YES	Philippines - Pacific Ocean (Philippines Trench)	Tabletop	Will activate EOC which includes about 20 response agencies	Juan Camacho (Emergency Management Office)
Vanuatu	YES	Vanuatu (New Hebrides Trench)	Full-scale	VMGD (Meteo, Geohazards), NDMO, Education, Health, TRR, and media/VBTC	Jotham Napat (Meteorological Service), Esline Garaebiti ((Meteorological Service, Geohazards)
Vietnam	YES	Not known	Not known	Not Known	Le Huy Minh, Deputy Director, Institute of Geophysics, Vietnam Academy of Science and Technology