



Intergovernmental
Oceanographic
Commission

PacWave13 Summary Brief
April 2013

Exercise Pacific Wave 2013 (PacWave13) 1-14 May 2013

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PacWave13 – Date and Purpose

- **Exercise Web Site:** <http://www.pacwave.info>
- **IOC Circular Letter 2481 issued 28 March 2013**
 - **15 April 2013: PTWC Start Issuance of Enhanced Products in experimental mode**
 - **1-14 May 2013: PTWS Exercise Pacific Wave “PacWave 13”**
- **Exercise Purpose:**

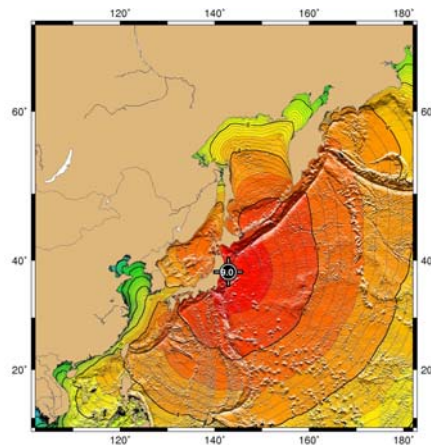
The aim of PacWave13 is to validate the understanding and use of the PTWC Enhanced Products

PacWave13 – Objectives

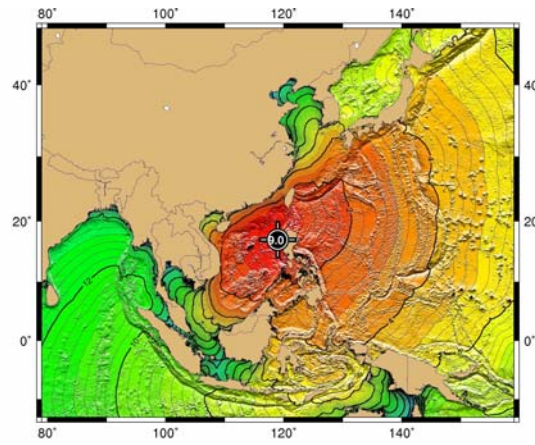
- 1. Evaluate the format and content of the PTWC Enhanced Products for each scenario exercised**
- 2. Provide feedback that a country is prepared to officially receive and implement and utilize the PTWC Enhanced Products**
- 3. Provide feedback that a country's stakeholder agencies will be informed on the PTWC Enhanced Products so as to make appropriate future changes to their Standard Operating Procedures.**

PacWave13 – 3 Scenarios

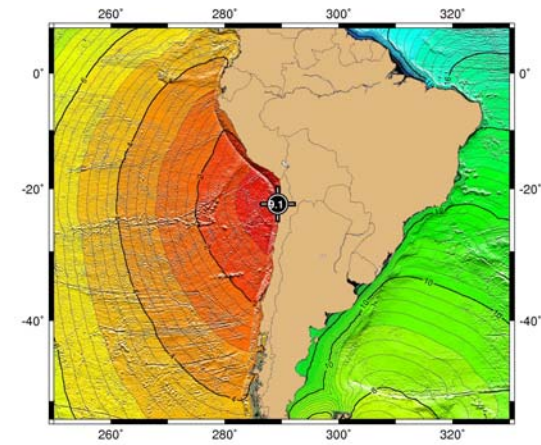
- Off Northern Japan (Japan Trench)
- Off Western Philippines (Manila Trench)
- Off Northern Chile (Peru-Chile Trench)



CSM1 2013 Apr 19 02:04:18 TSUNAMI TRAVEL TIMES USING POINT SOURCE (SPICENTER), ● = Port EQ, ▲ = Coastal Gauge, ▼ = Deep-ocean Gauge



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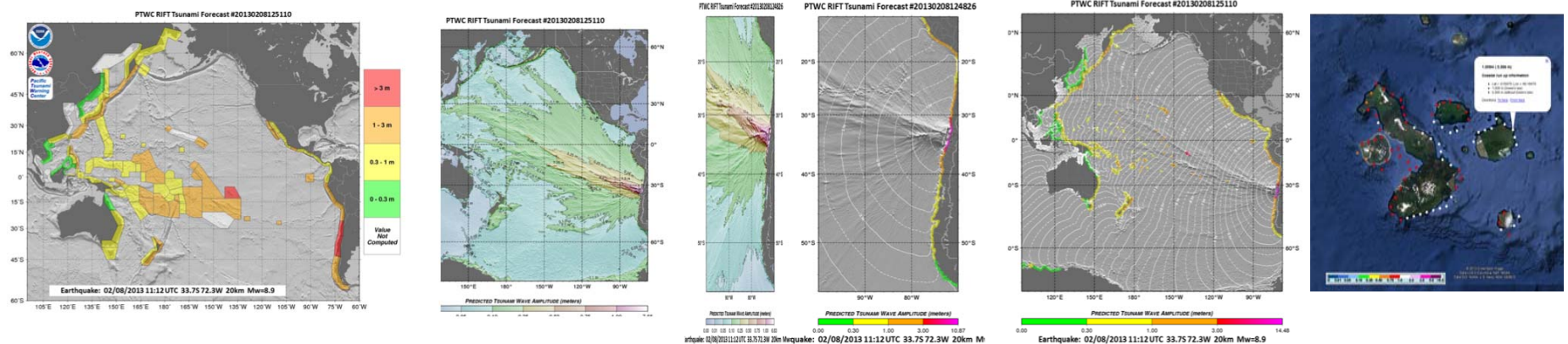
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PacWave13 – Conduct

- **Exercise Date:**
 - Schedule anytime during May, preferable 1-14 May 2013 to allow time to complete Post-Exercise Evaluation Form
- **Exercise Type and Participants – Recommend:**
 - Tabletop Exercise
 - Minimum participation should be
 - National Tsunami Warning Center
 - National Disaster Management Office
- **Each Country should exercise 1 Tsunami Scenario**
(can exercise as local, regional, or distant response)
- **International TWC Messages (on web site)**
 - PTWC (new), JMA NWPTAC (existing)

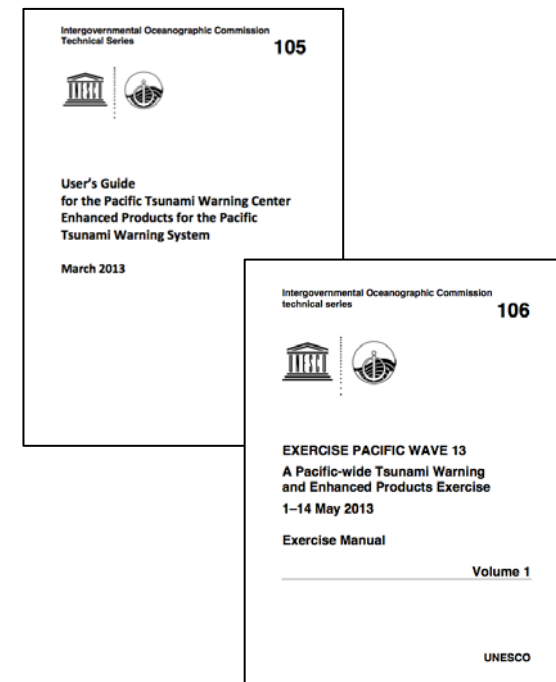
PacWave13 – PTWC New Products

- **Users Guide to PTWC Enhanced Products for PTWS (IOC TS105)**
- **Text:**
 - Message (improved readability, format)
 - Forecast Polygon Tables
- **Graphical:**
 - Forecast Polygon map (threat by country)
 - Energy Forecast map (offshore, deep ocean forecast, shows energy directivity)
 - Coastal Forecast map (onshore at forecast points)
 - Coastal Forecast KMZ file (onshore at forecast points, display in Google Earth)



PacWave13 - Documents

- **Available at PacWave13 web site (www.pacwave.info):**
 - Exercise Messages (PTWC, JMA/NWPTAC)
 - PacWave Exercise Manual (IOC TS 106, 2013)
 - User's Guide to PTWC Enhanced Products for the PTWS (IOC TS 105, 2013)
 - PacWave13 Summary (this ppt)
 - How to Plan, Conduct, and Evaluate IOC Tsunami Wave Exercises (IOC M&G 58 2013)
 - PacWave13 Announcement (IOC CL 2481, 28 March 2013)



Conduct – Evaluation

- **Post-Exercise Evaluation**

- Due 31 May 2013.
- Last exercise opportunity to evaluate and provide feedback on PTWC Enhanced Products before full implementation in 2014.
- Online:
https://www.surveymonkey.com/s/pacwave13_eval

PTWC New Products - Training

- **Training available as needed in 2013 - 2015**
 - Based on PacWave13 Post-Exercise Evaluation and Country / Regional requests to ITIC / IOC
 - Conducted
 - ITP-Hawaii Training (PTWS: Chile, China, Colombia, FSM, Malaysia, Mexico, Peru, Solomon Islands, USA Amer Samoa), 20-31 Aug 2012
 - Regional Training:
 - Central America SOP Workshop, 11-15 Feb 2013
 - South America SOP Workshop, 4-8 Mar 2013
 - Possible Planned:
 - Southwest Pacific
 - South China Sea
 - Others - on request

Questions?

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