

Tsunami Exercise

NEAMWAVE12

Dr. Alexander Rudloff

GFZ German Research Centre for Geosciences

**Co-Chair Task Team on Communication Test
and Tsunami Exercises**

16 June 2011 – Workshop@JRC



Purpose of exercise

The purpose of the exercise is **to improve local and regional source tsunami warning capability in the region**. The exercise provides an **opportunity for countries to exercise their operational lines of communications, review their tsunami response procedures, and to promote emergency preparedness**.

Every country is encouraged to participate!



Other ICGs

PTWC:

PacWave06 – 16/17 May 2006

PacWave08 – 29 October 2008 / 34 countries, + 10

PacWave11 – 9/10 November 2011

IOTWS:

IOWave09 – 14 October 2009

IOWave11 – 12 October 2011

CarTWS:

CaribeWave11/LANTEX2011 – 23 March 2011

PacWave08 - Scheme

Simplified Tsunami Warning System Schematic

Seismic event



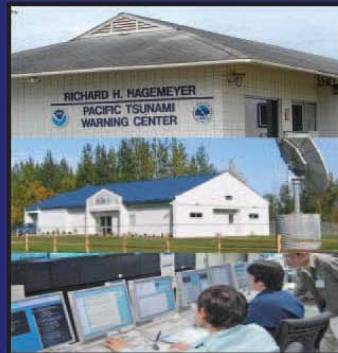
Tsunami



Seismic data



Analysis
and
assessment



Advisory issued via
multiple technologies
(GTS, EMWIN, FAX,
SMS, Email, ...)

Sea level data



Analysis
and
assessment

Warning received by
country and acted upon
according to own
national arrangements



Preparation

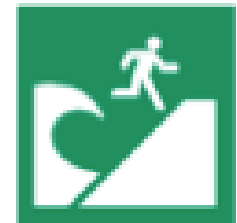
NEAMTWS:

- **Successful ECTE #1 and #2 (2011)**
- **Exercise scenarios**
- **Experimental products**
- **Time of event**
- **RTWC messages**
- **Exercise manual „How to Plan, Conduct, and Evaluate Tsunami Exercises guidance“**
- **Post exercise performance evaluation**
- **Pre-briefings and training**

Main goal



ICG/NEAMTWS
TSUNAMI EXERCISE



NEAMWave12