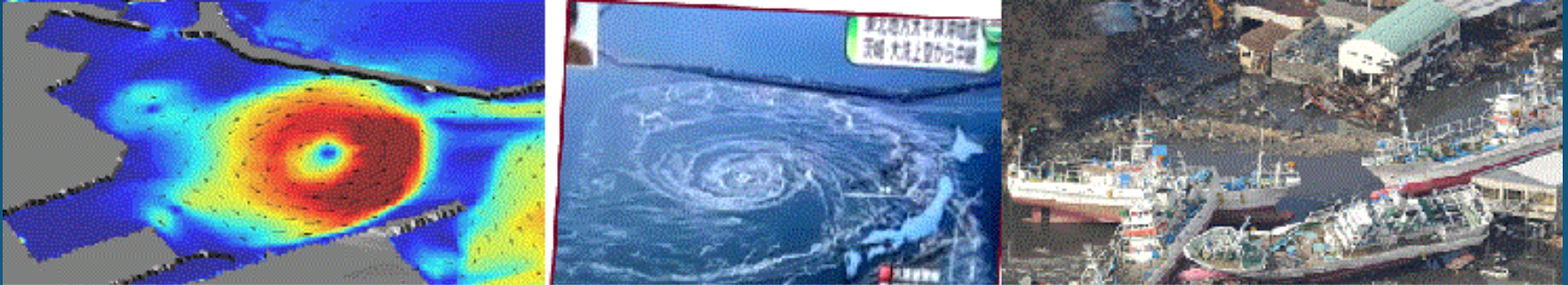


NTHMP Mapping and Modeling Subcommittee Tsunami Current Model Benchmark Workshop



NTHMP Mapping & Modeling Benchmarking Workshop: Tsunami Currents

PURPOSE:

- 1) Satisfy the requirement of the FY2013-2017 NTHMP Strategic Plan for the Mapping and Modeling Subcommittee to develop and run a benchmarking workshop to evaluate the numerical tsunami modeling of currents.**
- 2) Verify the accuracy/adequacy of current models for use by NOAA and NTHMP partners to help produce accurate and consistent maritime and other hazard reduction products.**

2011 NTHMP Inundation Modeling Benchmark Workshop

In 2011, less than one month after devastating Tohoku-oki event, NTHMP partners (states, territories, feds) participated in inundation modeling benchmarking workshop in Galveston, Texas.

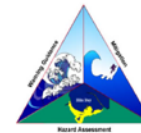
Fulfilled a requirement by the 2006 Tsunami Warning and Education Act to *“use inundation models that meet a standard of accuracy defined by the Administration (NOAA) to improve the quality and extent of inundation mapping”*

436 page report completed in 2012 summarized the workshop and verified the adequacy of numerical model platforms tested.



PROCEEDINGS AND RESULTS OF THE 2011 NTHMP
MODEL BENCHMARKING WORKSHOP

National Tsunami Hazard Mitigation Program

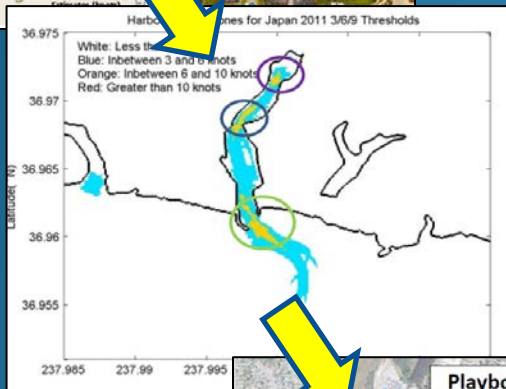


June 2012

U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric
Administration

Texas A&M University at
Galveston

Expected Goals and Outcomes from Workshop



March 11, 2011 tsunami in Santa Cruz, CA; observations-to-verify modeling-to-application (Maritime Response Playbooks)

Goals:

- *Compare current predictions from various tsunami propagation models.*
- *Establish “community standards” for accuracy/adequacy for use, and verify current models meet those standards.*
- *Determine if benchmarks can be improved.*

Outcomes:

- *Determine accuracy/adequacy of current models for use on NTHMP products.*
- *Establish group to write a report summarizing the benchmarks, the workshop, and model verification process.*
- *Follow up on benchmark improvements.*