



Overview of NTHMP

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History

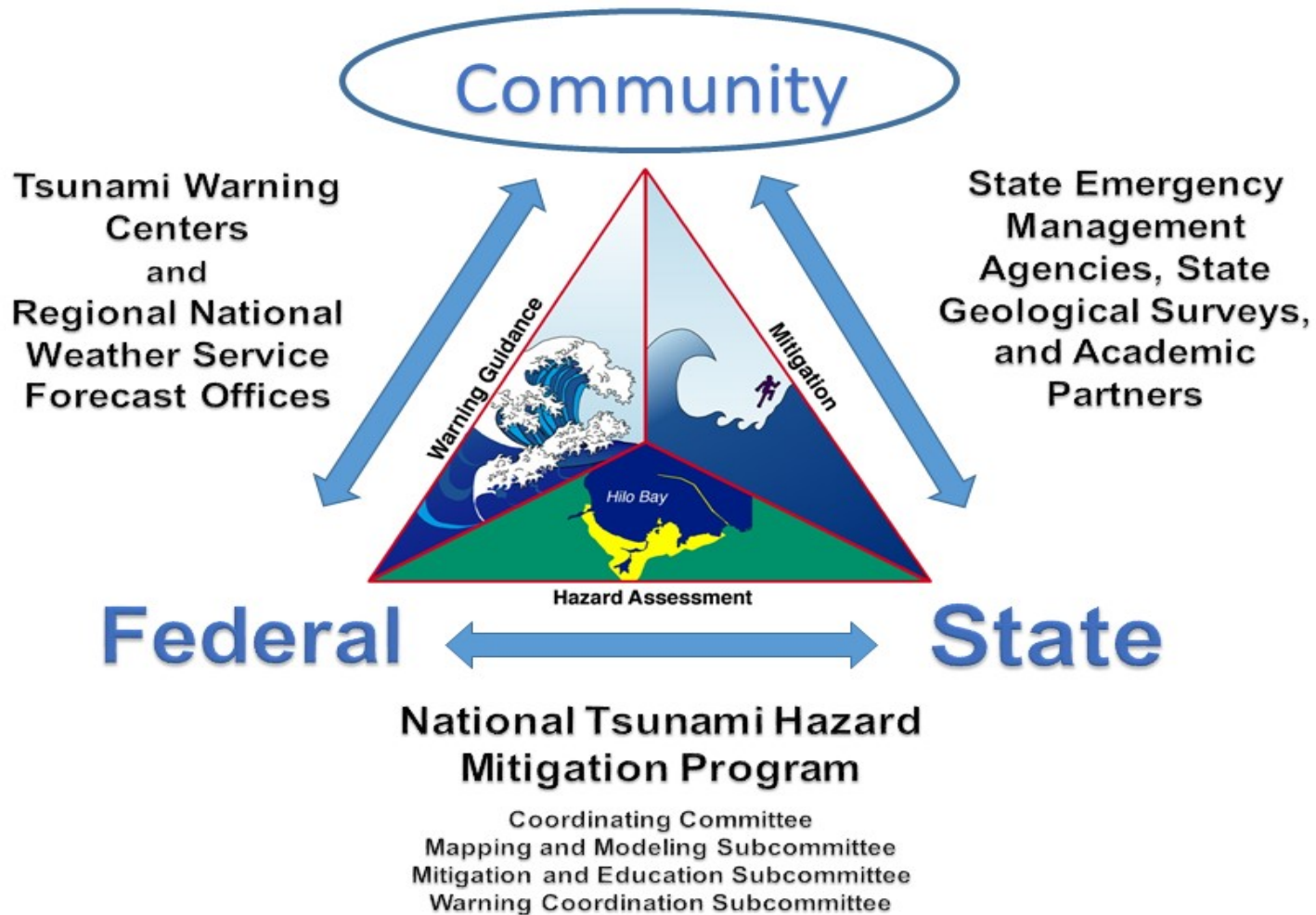
- In 1995, recognizing the threat, the U.S. Congress directed the National Oceanic and Atmospheric Administration (NOAA) to form and lead a federal/state working group to develop a plan for reducing tsunami risk to U.S. coastal communities.
- Following the 2004 Indian Ocean tsunami, Congress passed the Tsunami Warning and Education Act to strengthen the capabilities of this partnership “to improve tsunami preparedness of at-risk areas in the United States and its territories.”

Present

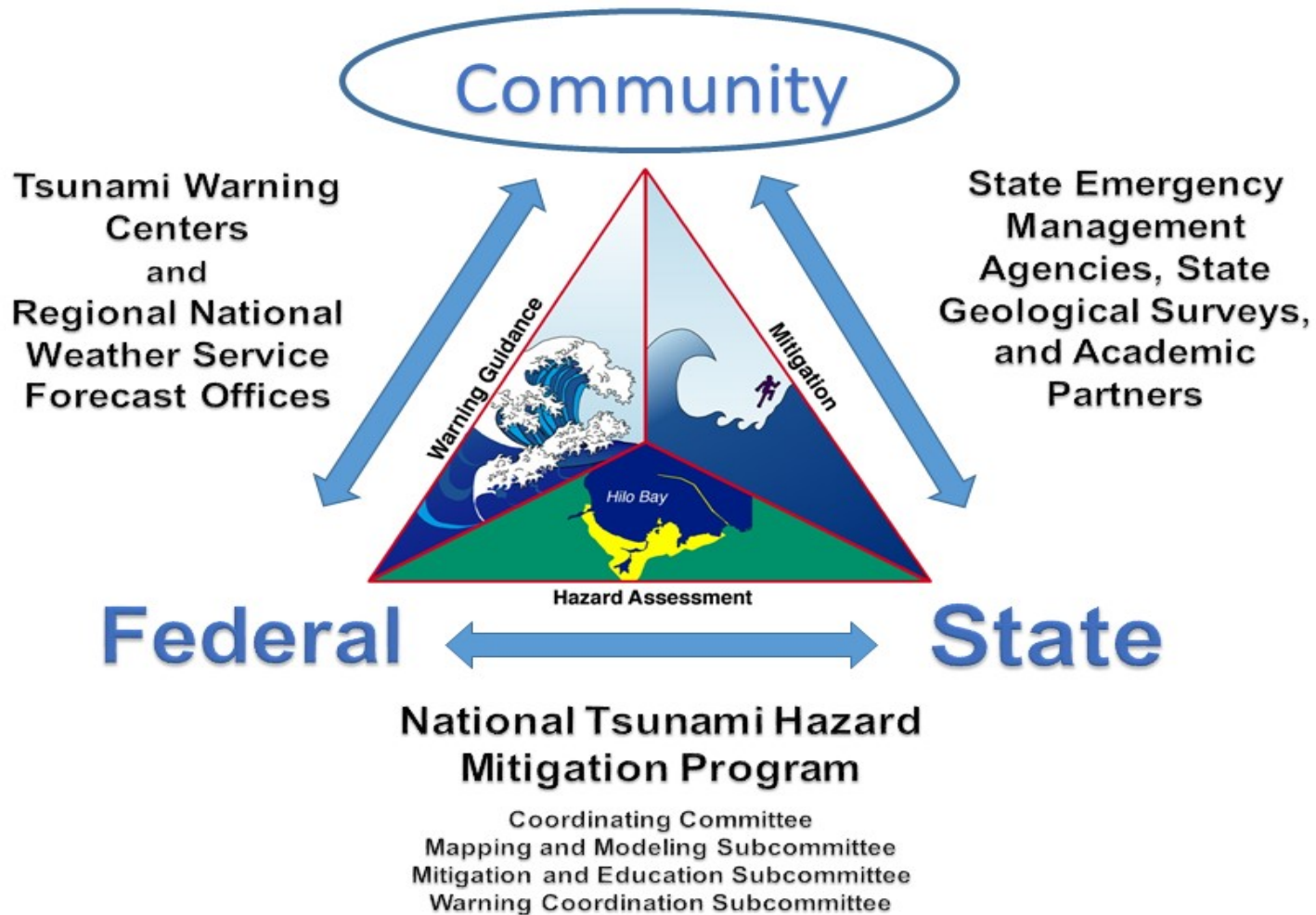
Today's NTHMP includes NOAA, the Federal Emergency Management Agency, the U.S. Geological Survey, and 28 U.S. states and territories.

NTHMP Vision:

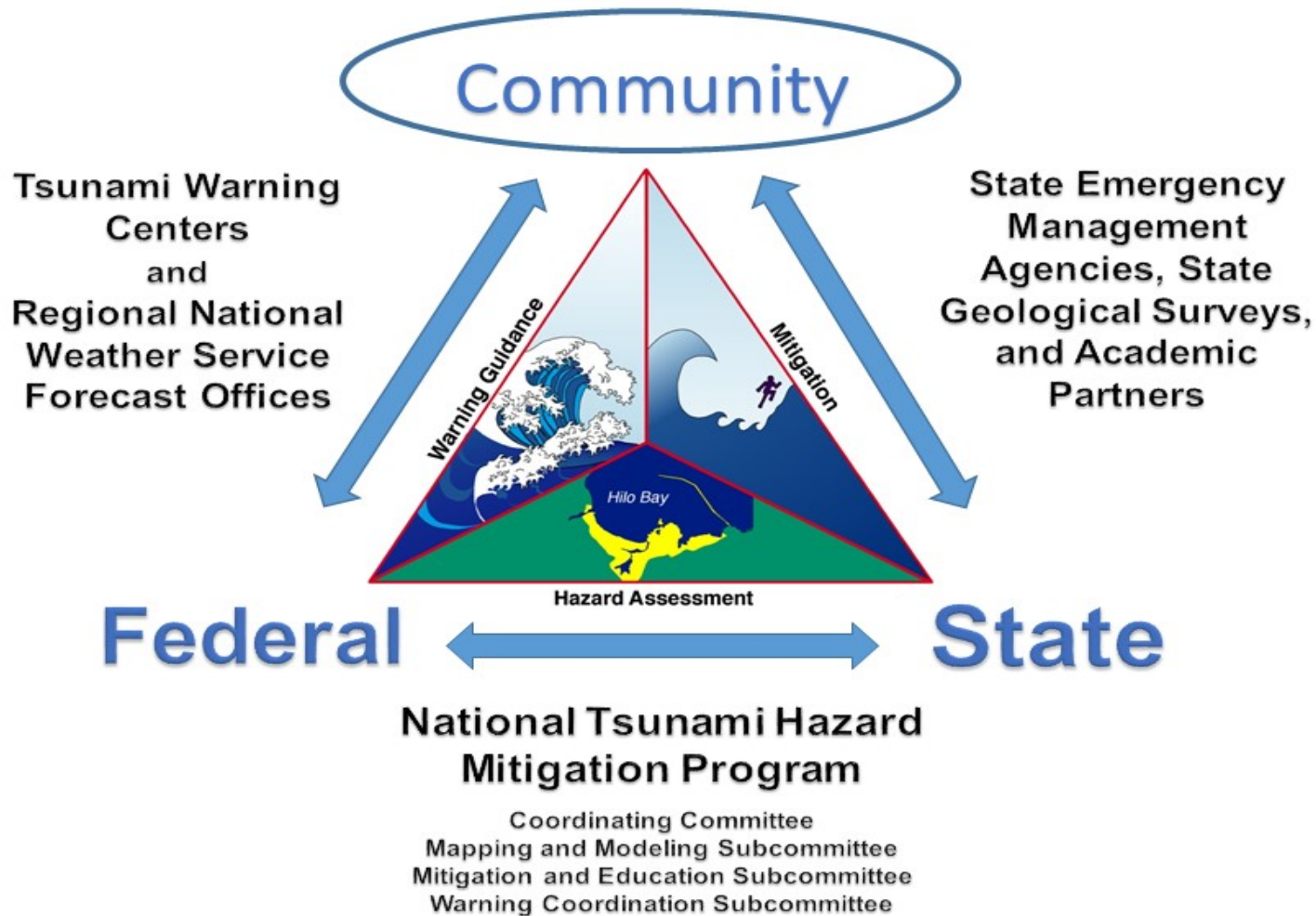
- Minimal loss of life and property should a tsunami strike**
- Resilient coastal communities that are prepared for tsunami hazards**



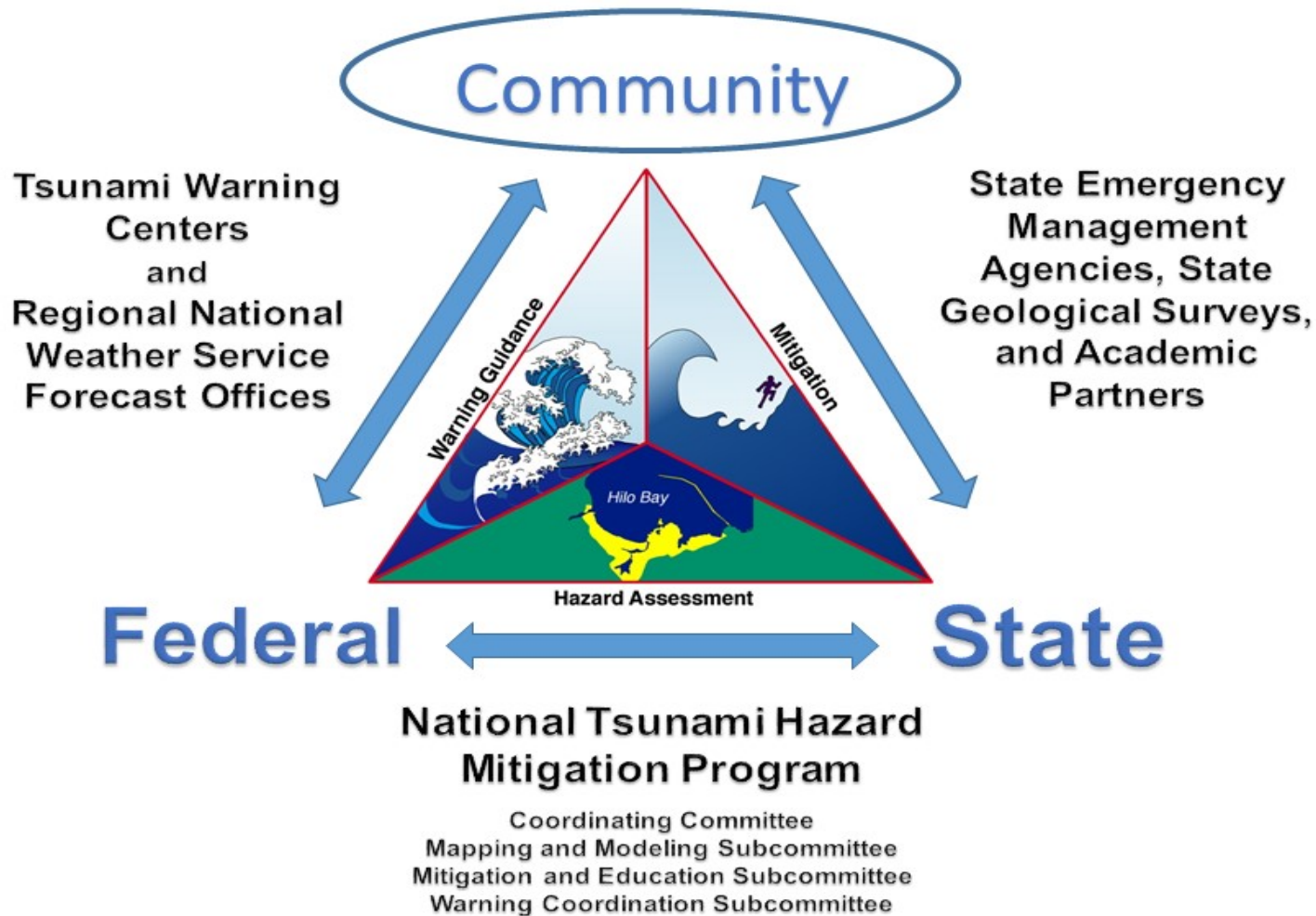
Coordinating Committee comprises of representatives of state/territory and federal agencies, which provides recommendations to tsunami preparedness and mitigation programs throughout the U.S.



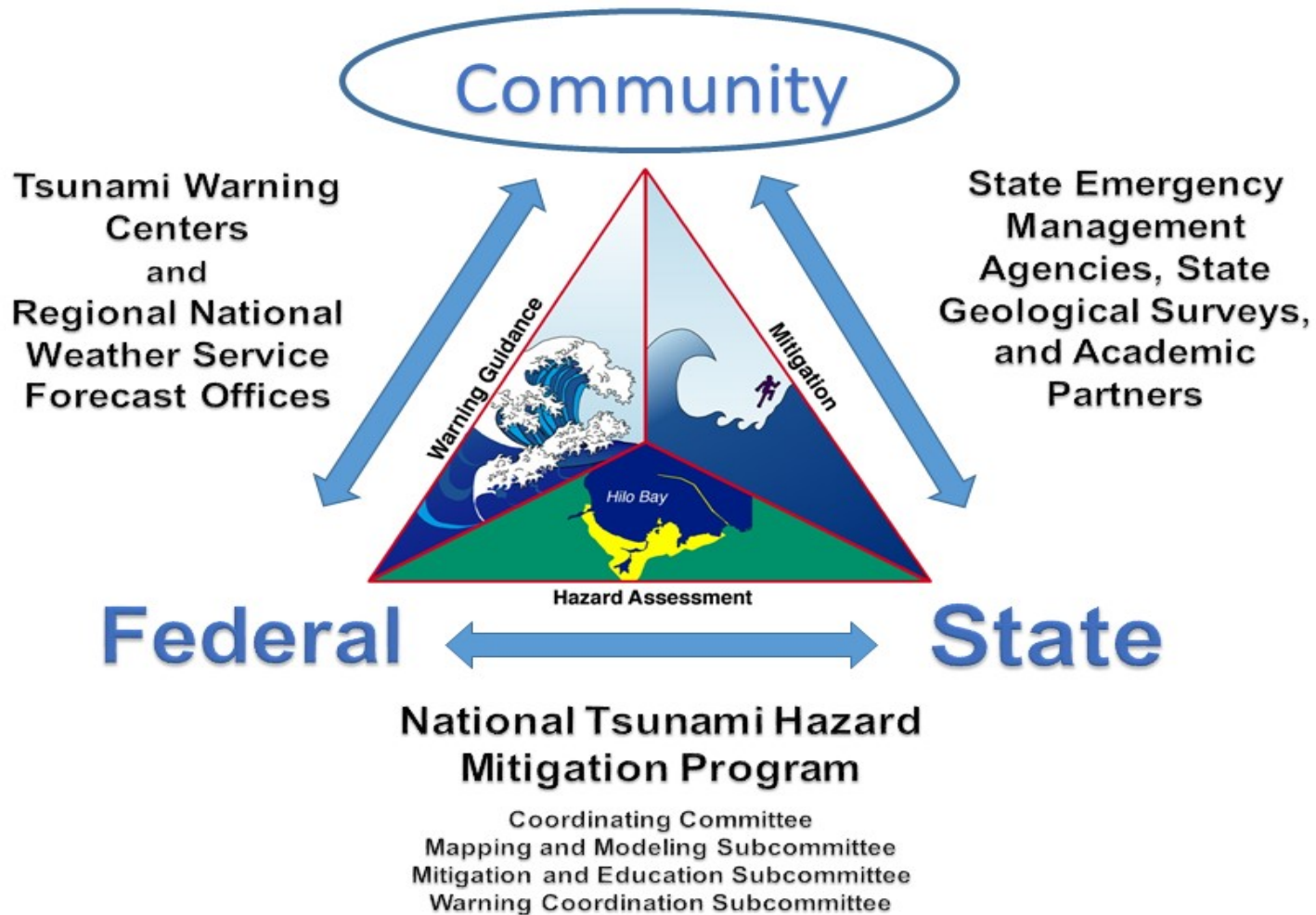
Mapping and Modeling Subcommittee (MMS) – ensures tsunami hazard analyses and products are accurate and consistent.



Mitigation and Education Subcommittee (MES) – establishes a common platform for tsunami preparedness and outreach activities.



Warning Coordination Subcommittee (WCS) – maintains the communication network between the National Weather Service's Tsunami Warning Centers and at-risk local communities for reliable dissemination of alert information.



The states and territories are important partners with the various federal agencies in the NTHMP.

U.S. Tsunami Warning System



NTHMP's role within the U.S. Tsunami Warning System

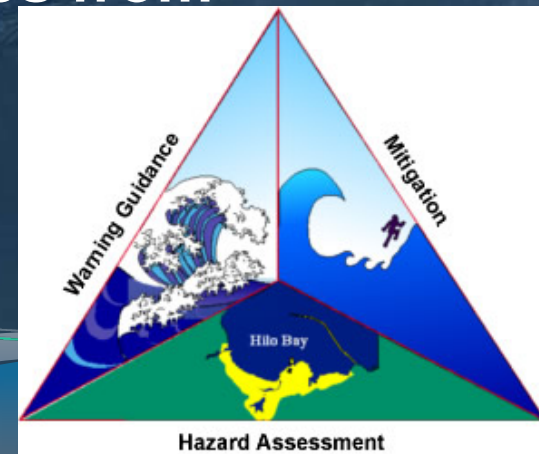
The U.S. Tsunami Warning System (TWS) is an “end-to-end system” that addresses all stages of early tsunami warning

- Initial hazard detection and warning dissemination from the Tsunami Warning Centers of timely, accurate, and effective tsunami forecast products to coastal populations and emergency managers**
- Community awareness of tsunami safety, response procedures, and mitigation achieved through NTHMP**

NTHMP's role within the U.S. Tsunami Warning System

NTHMP provides the framework through which:

- states and federal agencies ensure a coordinated warning system,
- improve warning guidance and mitigation procedures,
- reduce economic losses and casualties from tsunami events through community planning



NTHMP Goal

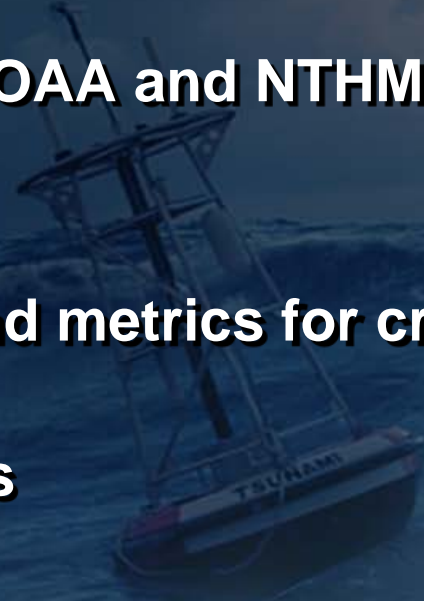
The ultimate goal of the NTHMP and its subcommittees is to improve life-safety and increase community resiliency to future tsunamis.

On-going community-level tsunami education and preparedness will improve evacuation while reducing casualties, especially during local-source tsunamis where there may only be minutes to respond.

NAS: Tsunami Warning and Preparedness: An Assessment of the U.S. Tsunami Program and the Nation's Preparedness Efforts

The report recommends stronger NOAA and NTHMP leadership in assessing:

- tsunami sources**
- developing national guidelines and metrics for creating consistent evacuation maps**
- identifying vulnerable populations**



NAS Tsunami Warning and Preparedness: An Assessment of the U.S. Tsunami Program and the Nation's Preparedness Efforts

•**Recommendation:** The NTHMP should seek ways to reduce needless disparities among states and territories in their approaches to inundation modeling.... The USGS could take a lead to organize a series of workshops to determine the design tsunami sources.

To eliminate these unnecessary and costly differences in inundation modeling approaches (e.g. **sources**), the committee recommends that inundation modeling be conducted consistently across state lines and be executed through a cooperative partnership among NOAA, the USGS, and NTHMP members.

•**Recommendation:** For all communities with near-source tsunami threats, the NTHMP should conduct evacuation modeling studies to assess the likelihood of successful evacuations.

USGS/NTHMP Collaboration

*Thank you for joining us in
achieving our mission*

