

# **COMET<sup>®</sup> ONLINE**

## **TSUNAMI EDUCATION AND TRAINING**

Saving lives during tsunamis requires a complex system of trained professionals, observational networks, data processing and communication systems, standardized products, local response protocols, and an educated public. The COMET Program has developed materials to help all those with a role in the public tsunami warning system become better communicators and consumers of tsunami information. All modules are available at no cost to registered users at [www.meted.ucar.edu/training\\_course.php?id=38](http://www.meted.ucar.edu/training_course.php?id=38). Registration is easy. Learn more at [www.meted.ucar.edu/resources\\_faq.php](http://www.meted.ucar.edu/resources_faq.php).

### ■ **Tsunamis**

[www.meted.ucar.edu/training\\_module.php?id=831](http://www.meted.ucar.edu/training_module.php?id=831)

This module introduces the causes, initiation process, properties, propagation, inundation, and long-term effects of tsunamis. It is intended for anyone wanting a better understanding of how tsunamis begin and how they move across oceans.



### ■ **Tsunami Warning Systems**

[www.meted.ucar.edu/training\\_module.php?id=786](http://www.meted.ucar.edu/training_module.php?id=786)

This module describes the processes involved in anticipating, detecting, and warning for a tsunami, including data collection, modeling, analysis, and alert procedures used at NOAA's Tsunami Warning Centers.

### ■ **Community Tsunami Preparedness**

[www.meted.ucar.edu/training\\_module.php?id=897](http://www.meted.ucar.edu/training_module.php?id=897)  
[www.meted.ucar.edu/training\\_module.php?id=971](http://www.meted.ucar.edu/training_module.php?id=971) (Spanish)

This module describes the appropriate steps to take to prepare communities for tsunamis while also providing a general overview of tsunami science and tsunami warning systems.





## ■ **TsunamiReady: Guidelines for Mitigation, Preparedness, and Response**

[www.meted.ucar.edu/training\\_module.php?id=1198](http://www.meted.ucar.edu/training_module.php?id=1198)

This module is designed to equip community officials and others interested in becoming TsunamiReady with strategies for streamlining their implementation of the 2015 TsunamiReady guidelines. It provides examples of efforts taken by communities and tips for garnering support and fitting activities into existing all-hazards planning.

The following modules for middle and high school students include resources for students and teachers and education standards.

## ■ **Tsunami Strike! Pacific Edition**

[www.meted.ucar.edu/training\\_module.php?id=813](http://www.meted.ucar.edu/training_module.php?id=813)

This module follows the story of a tsunami affecting the Pacific Ocean from the point of view of student characters, warning center scientists, and an emergency manager. Interactive multimedia lessons cover topics including tsunami sources, historical tsunamis, wave properties, force and momentum, tsunami detection, preparedness, and more.



## ■ **Tsunami Strike! Caribbean Edition**

[www.meted.ucar.edu/training\\_module.php?id=907](http://www.meted.ucar.edu/training_module.php?id=907)

[www.meted.ucar.edu/training\\_module.php?id=951](http://www.meted.ucar.edu/training_module.php?id=951) (Spanish)

This module offers an interactive learning experience in which students take on the role of a journalist writing an article for a news magazine. Multimedia lessons examine Caribbean tsunami threats, historical tsunamis, wave properties, force and momentum, tsunami detection and modeling, tsunami preparedness, and more.



For more information about the COMET Program and to see additional topic areas, visit [www.meted.ucar.edu](http://www.meted.ucar.edu).

E-mail: [info@comet.ucar.edu](mailto:info@comet.ucar.edu) Phone: 303-497-8470