



**ALASKA
EARTHQUAKE
CENTER**



Tsunami Hazard Assessment for Seldovia

Elena Suleimani

Geophysical Institute, University of Alaska Fairbanks

Barrett Salisbury

Alaska Division of Geological and Geophysical Surveys

The Alaska Tsunami modeling group at the Geophysical Institute, UAF, in cooperation with ADG&GS is finishing a tsunami hazard assessment for the community of Seldovia. In this project we modeled an extent of inundation from tsunamis generated by earthquakes and local submarine landslide sources. We consider earthquakes as large as the 2011 Tohoku earthquake in Japan. We also consider local underwater landslide events in Kachemak Bay as possible tsunami scenarios.

The results show that the maximum predicted wave height resulting from a tectonic tsunami is 10-11 m (33-36 ft) in Seldovia. Numerical modeling results, combined with historical observations in the region, are intended to provide guidance to local emergency management in tsunami hazard assessment, evacuation planning, and public education for the reduction of future tsunami risk.

When: December 12, 2017 at 2 pm

Where: At SVT's Seldovia Conference Center in the
Alaska Tribal Cache Building

Open to the Entire Community