

Alejandra Acuña Piedra

Geography

Project technician SINAMOT-UNA















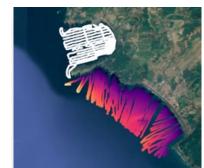
SINAMOT works through the 4 pillars of Early Warning Systems

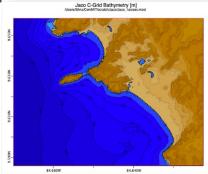


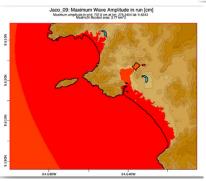
1 2 TSUNAMI HAZARD

ASSESSMENTS

- Used deterministic approach with multiple scenarios
- Now using stochastic approach
- Tsunami inundation numerical modeling
- Perform bathymetric surveys when possible and needed
 - Results also employed officially for land planning and warnings







Papagayo Potrero Quepos Quepos Golfito 9 Reference Sueños Quepos 8 -86 -86 -85 -84 -83 -84 -83

Puntarenas



Cocos Island



1 3 TSUNAMI MONITORING

AND WARNING

- We manage the sea level stations sending data to the Global Tsunami Monitoring System
- We are the National Tsunami
 Warning Center (NTWC) for
 Costa Rica
- TNC is Silvia Chacón
- TWFP is CNE

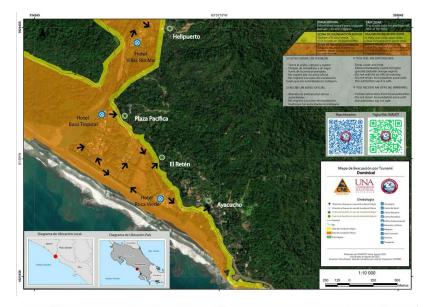


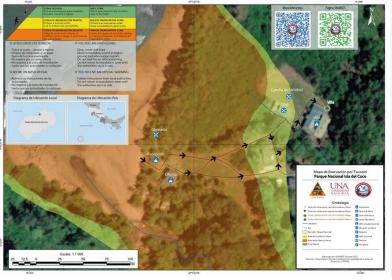
TSUNAMI EVACUATION MAPS

AND PLANS PROJECT

- •Funded by the National Emergency Commission (CNE) since 2016
- •So far we have built 73 maps for at both shores (of 300+ coastal communities)
- •Using GIS and participative cartography ensures communities commitment.

working at Municipality level to increase coverage





TSUNAMI PREPAREDNES WE WORK WITH THE PEOPLE

- Communities
- Public institutions: 1st responders,
 kindergartens, schools, Ministries
 of Education, Transport,
 Environment, Tourism, etc.
- Private institutions such as hotels, ports, marinas, etc.











PROJECT WITH NATIONAL PARK

- To increase tsunami preparedness and reduce climatic vulnerability
- National Parks are a main touristic attraction
- Work with rangers, touristic guides and neighboring communities
- Linked with pilot project from MAB & TSU programs from UNESCO in Manuel Antonio
 - Submitted as Decade Action







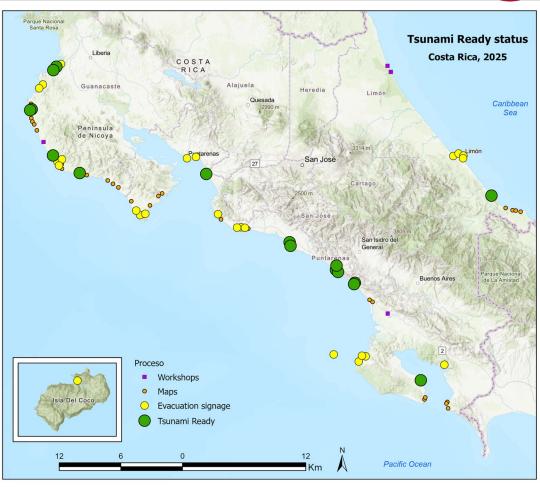
TSUNAMI READY

- We have recognized
 11 communities
- Many more to come!









THANKYOU



