

# Instituto Hondureño de Ciencias de la Tierra - UNAH



## SEISMOLOGY IN HONDURAS

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# Seismic Networks in Honduras



# Distribución de las Estaciones Sísmicas de Honduras



Elaborado por el Instituto Hondureño de Ciencias de la Tierra

# Institutional structure of seismology in Honduras

- There is not a specific institution.
- COPECO (contingencies permanent commission), issuing warnings.
- UNAH, School of Physics, Geophysics section.
- IHCIT-Honduran Earth Science Institute, recently created.



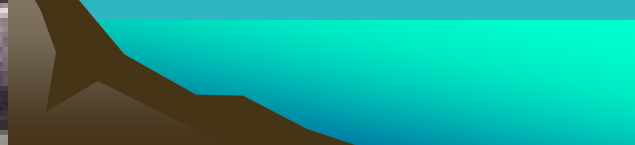
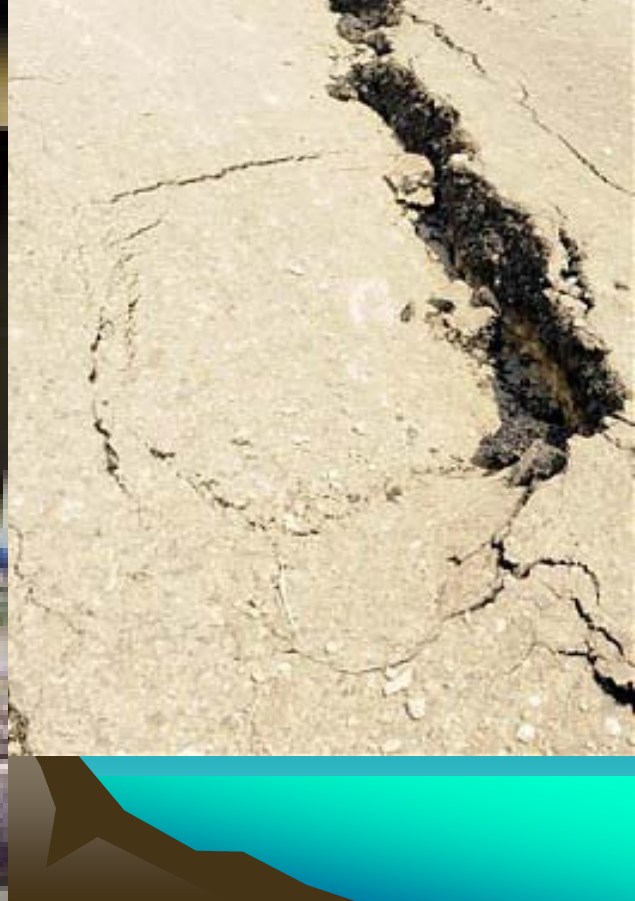
# How seismological information is used in warnings/planning related to earthquake hazards

- Warnings: COPECO. Earthquakes, Tsunamis, landslides,
- Planning: New building code was recently approved by the congress, land use.





**Honduras, May 2009**



# How seismologists are trained

- Outside Honduras.
- There is no degree in seismology nor geophysics.
- Major in Physics, with specialty in Geophysics.
- Masters program in physics.





# Seismological Research

- Seismic imaging using passive methods (REMI)
- BroadBand station data, receivers function velocity models.
- Masters in Risk Management.
- Seismic hazards maps
- GPS network, 36 campaign sites, postseismic displacement May 2009 EQ.





# Goals and concerns for the future

## IHCIT

- Have the network running and keep it running.
- Have UNAH more involved in the network, institutional interest instead of personal.
- Create a bachelor in Earth Sciences, Geophysics, Seismology.



# Priorities for regional collaboration

- Data exchange for research projects.
- Training on instrumentation and running seismic networks.



# Thank you!

[www.ihcit.edu.hk](http://www.ihcit.edu.hk)

