

Instituto Hondureño de Ciencias de la Tierra UNAH

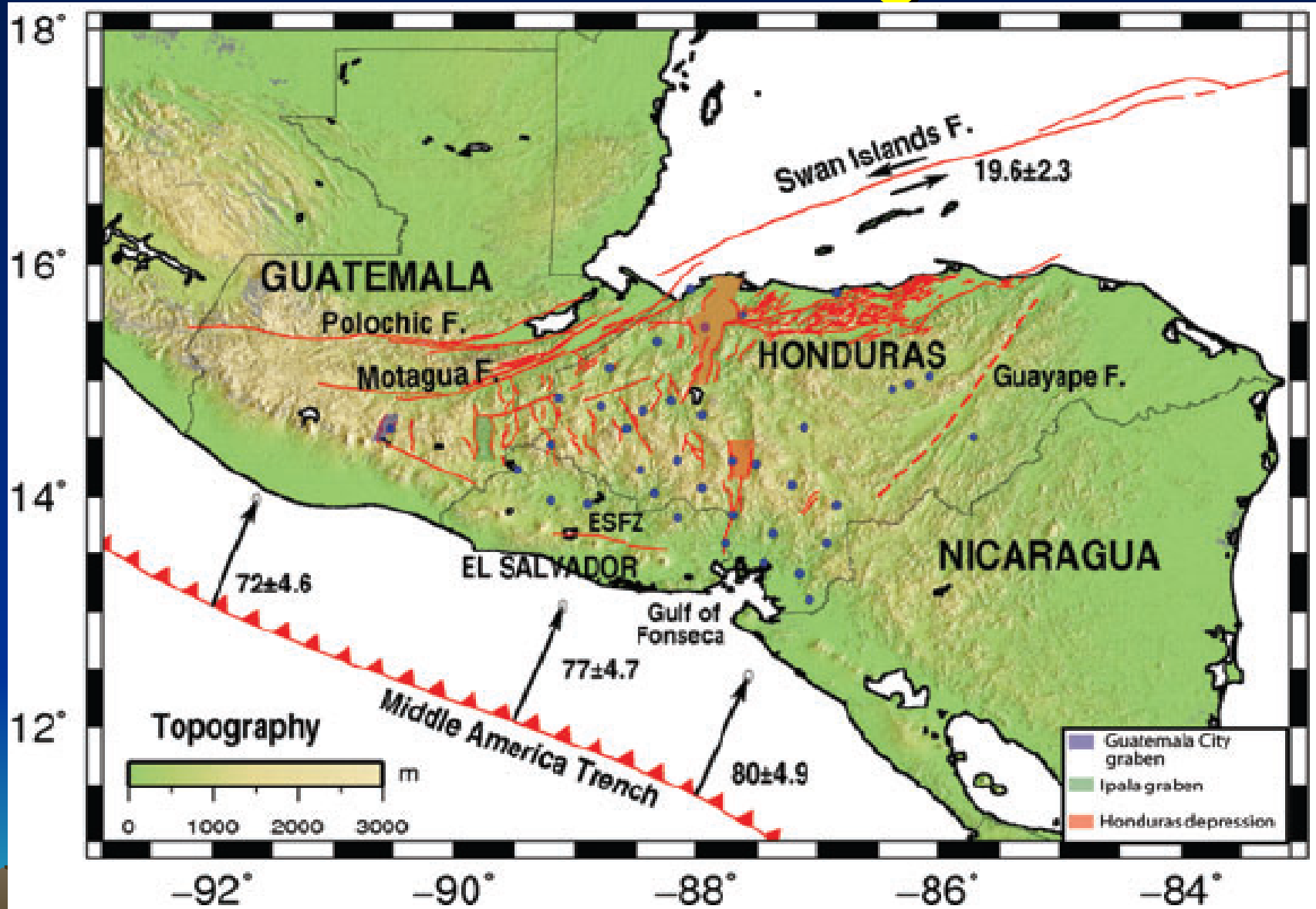


SEISMIC AND GEODETIC NETWORKS IN HONDURAS

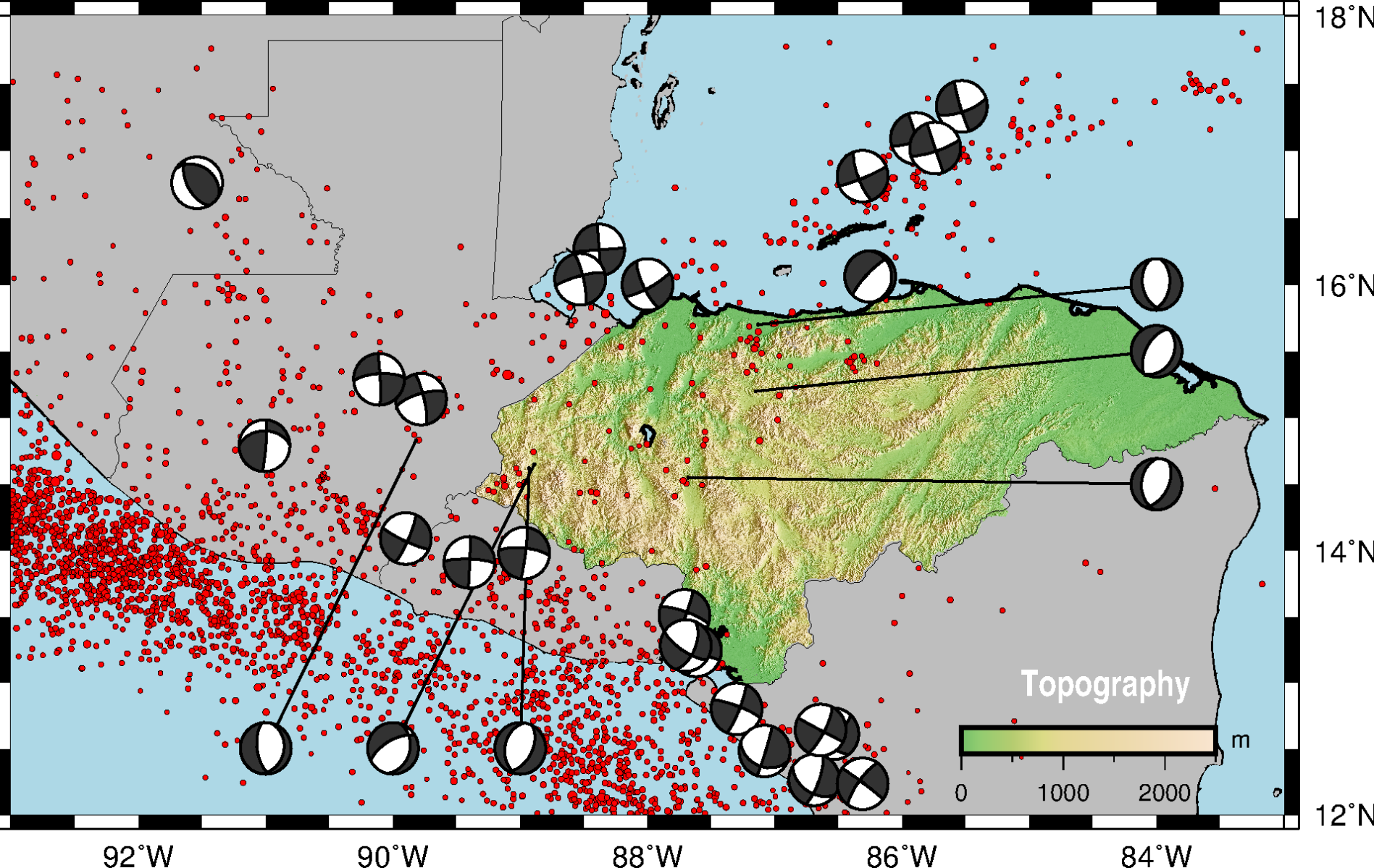
MSc. Manuel Rodríguez Maradiaga

IRIS Workshop, Chile, May 2015.

Tectonic Setting

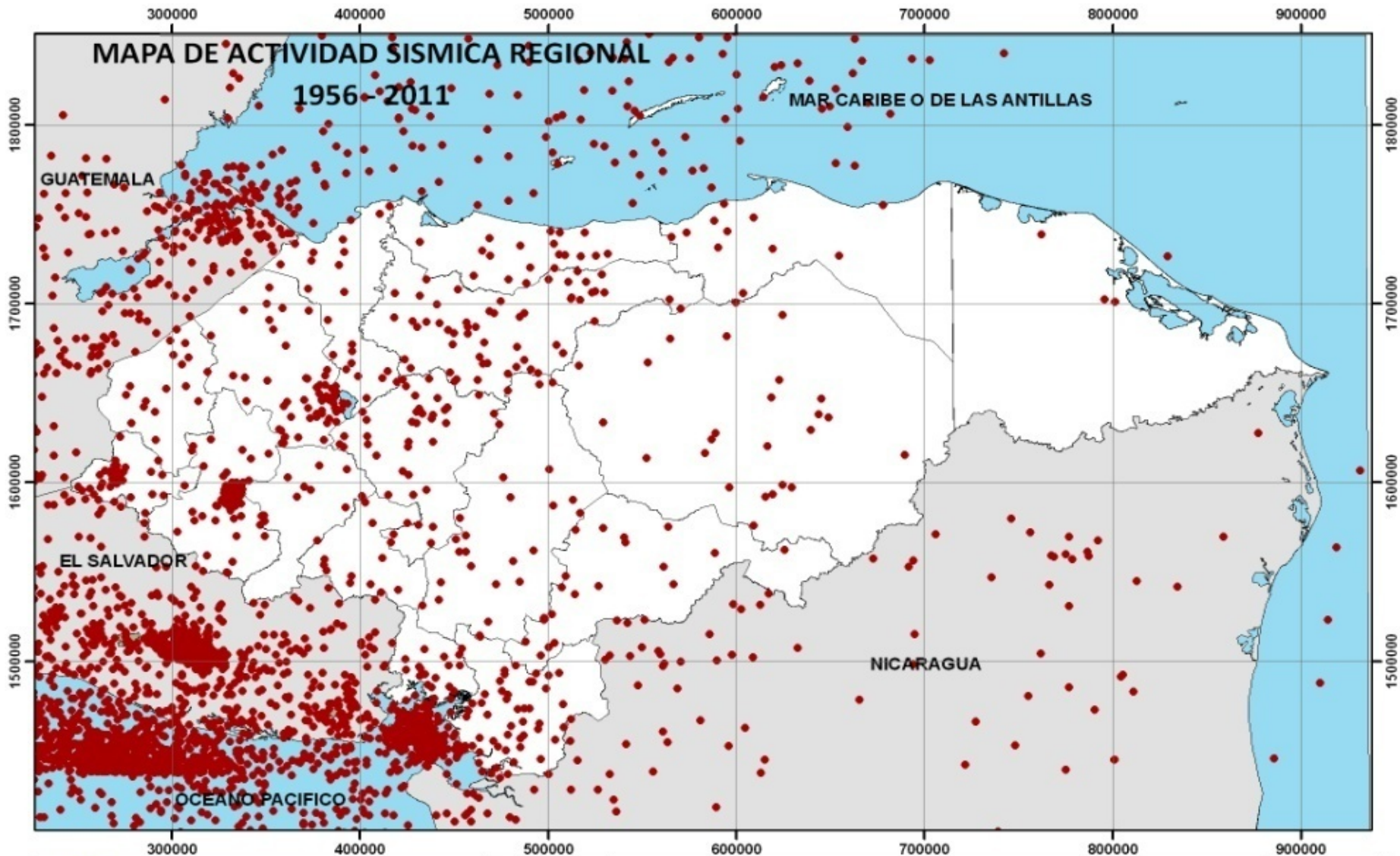


Regional Seismicity



MAPA DE ACTIVIDAD SISMICA REGIONAL

1956-2011



• Evento



INFORMACION BASE
Elaborado por Tanya Ordoñez
Fuente: NEIC, CASC
Centro de Ingeniería Sísmica de Stanford
Datum NAD27 Central Zona 16
28 de noviembre de 2012

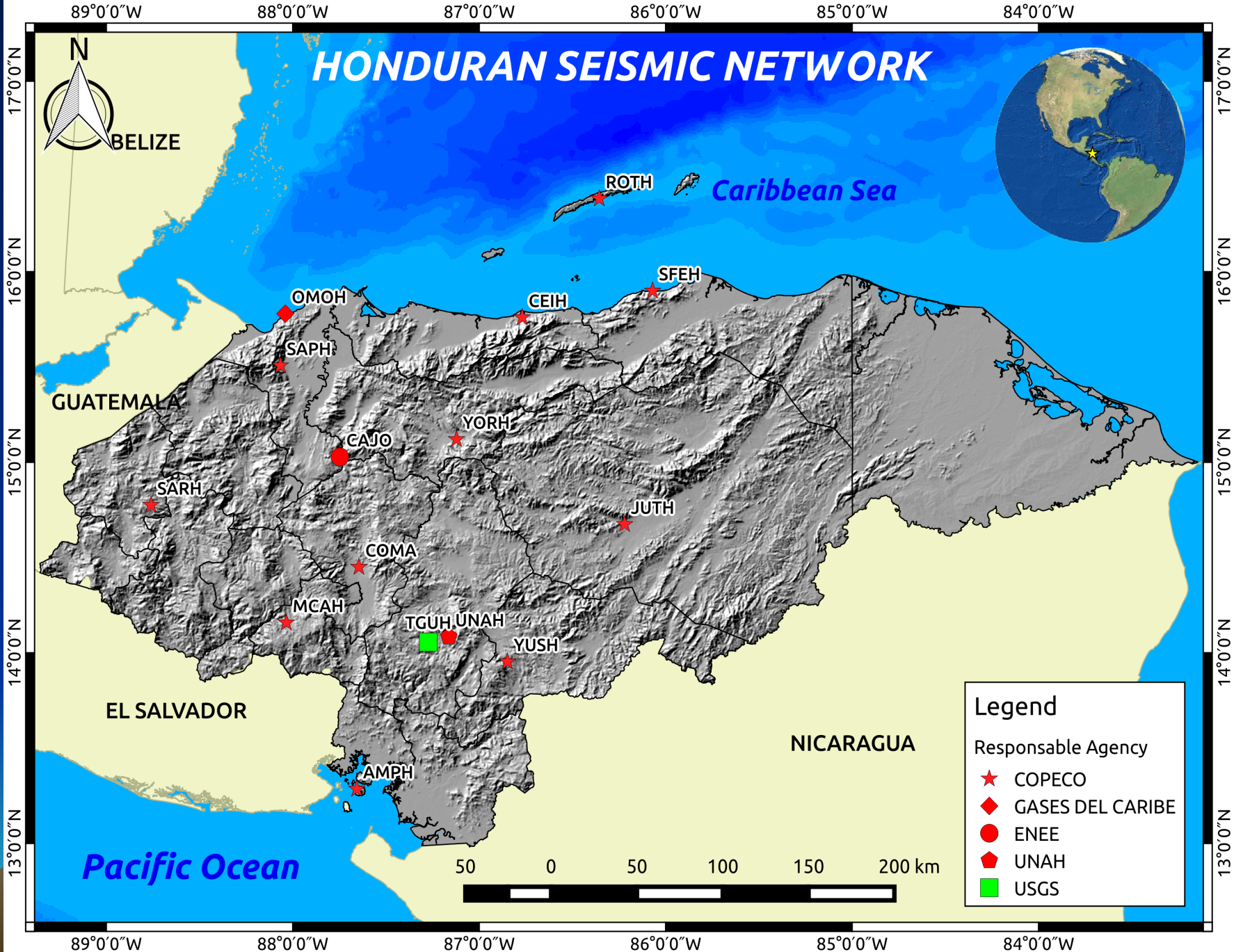
ESCALA 1:2,750,000

IHCIT
COSUDE

Seismic Networks in Honduras



HONDURAN SEISMIC NETWORK



Institutional structure of seismology in Honduras

- There is not a specific institution.
- COPECO (contingencies permanent commission), issuing warnings.
- UNAH; School of Physics, IHCIT-Honduran Earth Science Institute, technical advise and university network.



Geodetic Networks in Honduras

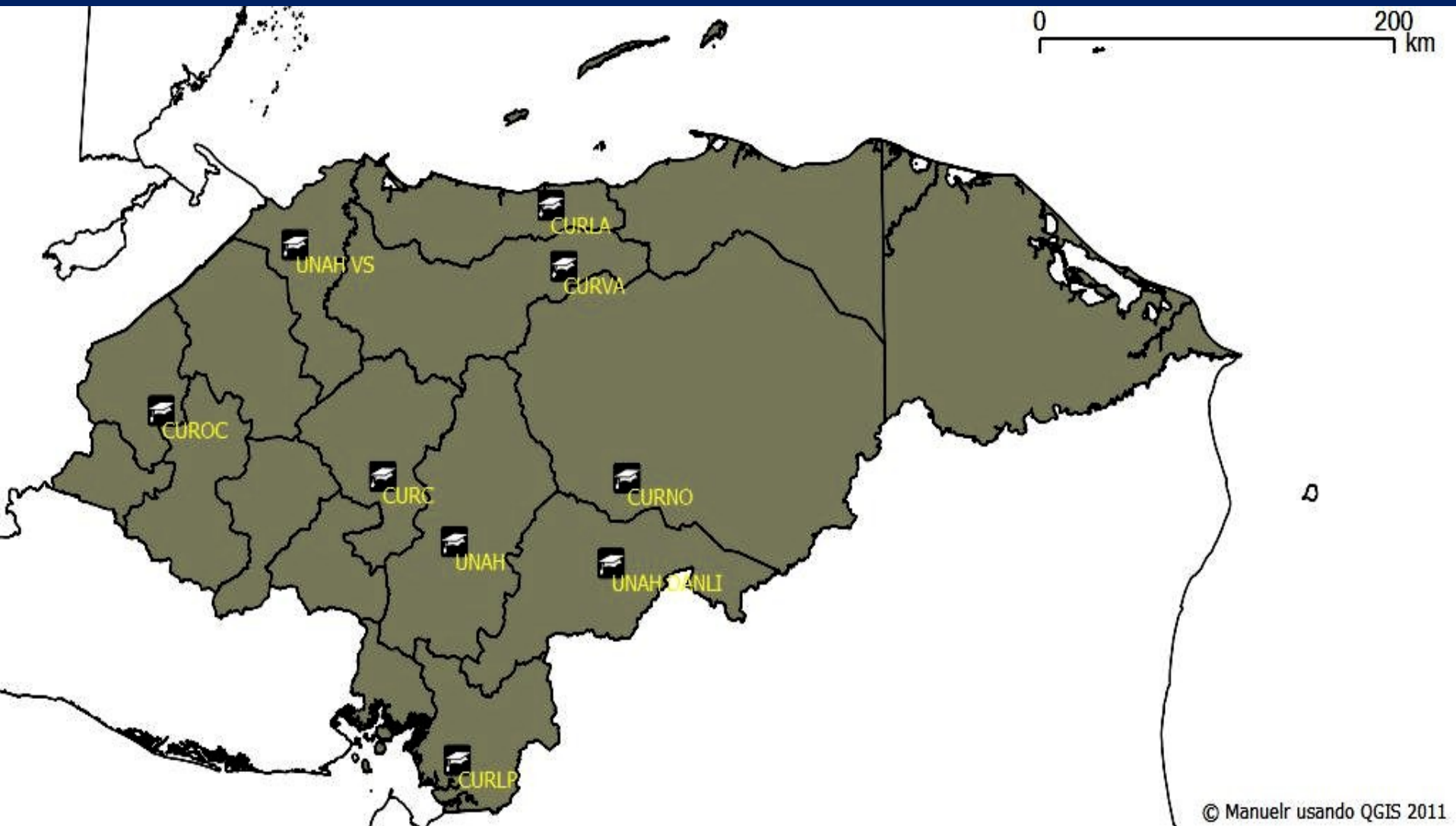


Goals and concerns for the future

- Build a university network and keep it running!
USGS: 10+ FBA-23, IRIS: 1 Sixaola and GPRS modems, at least 3 stations real time.
- UW-Madison, Prof. DeMets 10 GPS receivers+choke ring antennas, GPS data, daily files public.
- Have UNAH more involved in the network, institutional interest instead of personal.



UNAH's Geophysical Network



Priorities for regional collaboration

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



Thank you!

