



# Servicio Sismológico Nacional



Network Report  
Managing Data for Seismic Networks  
IRIS Workshop  
Bogota Colombia, July 2014

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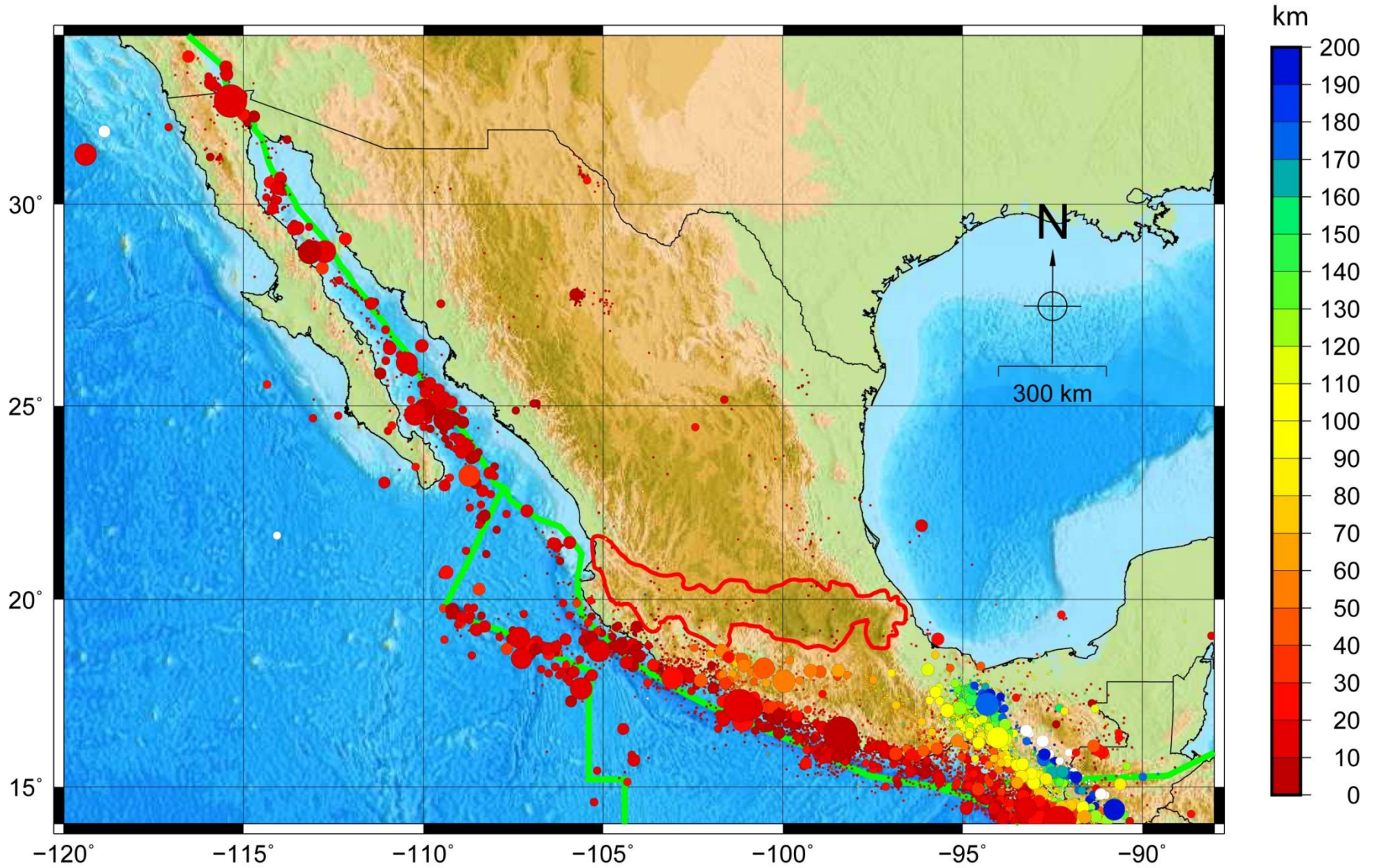


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The mission of the SSN is to determine with opportunity the seismic parameters of earthquakes that strike the Mexican area. This information is crucial for the authorities to initiate different mechanisms oriented to mitigate the effects of the seismic activity in the population.



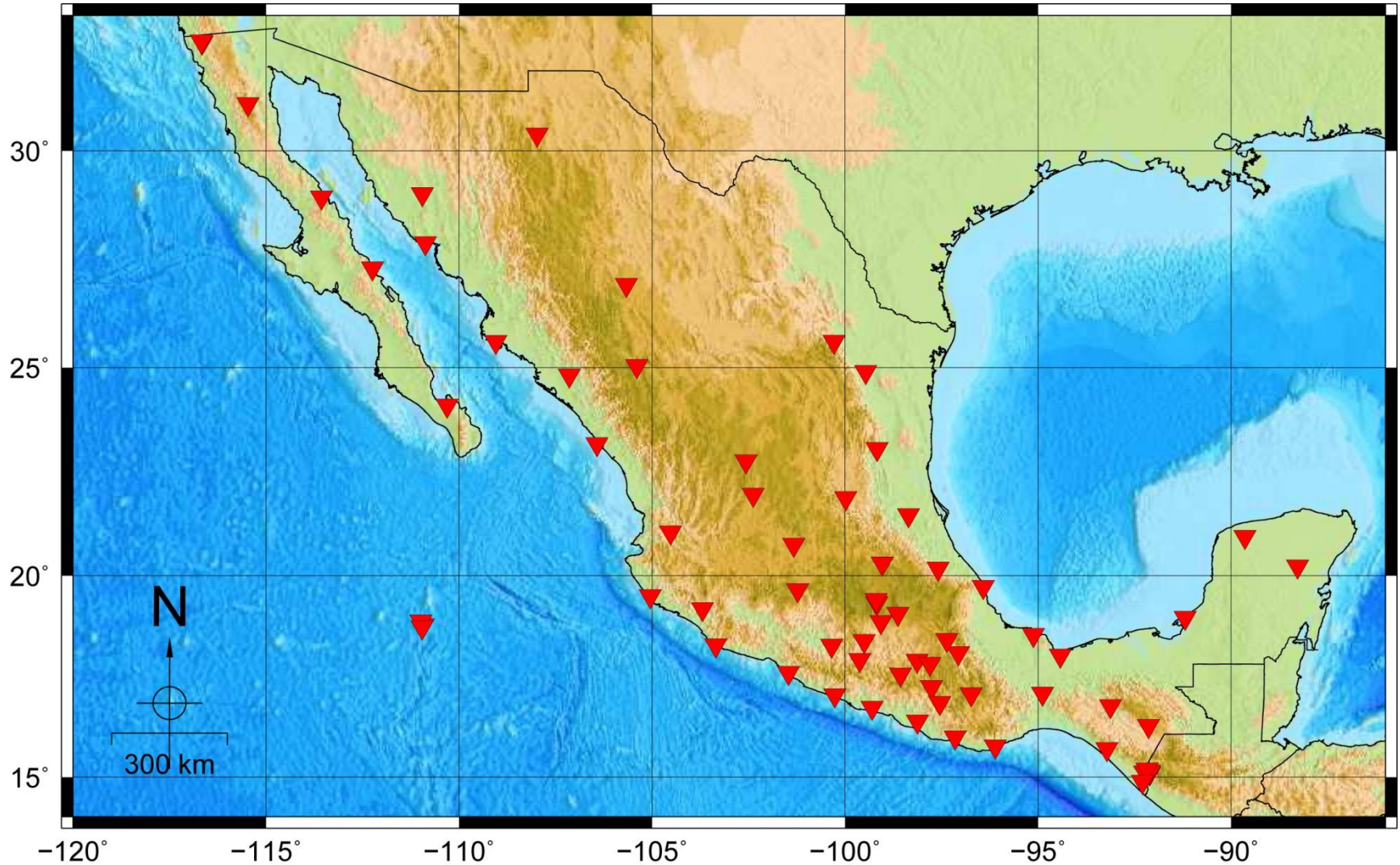
# Seismotectonic Map



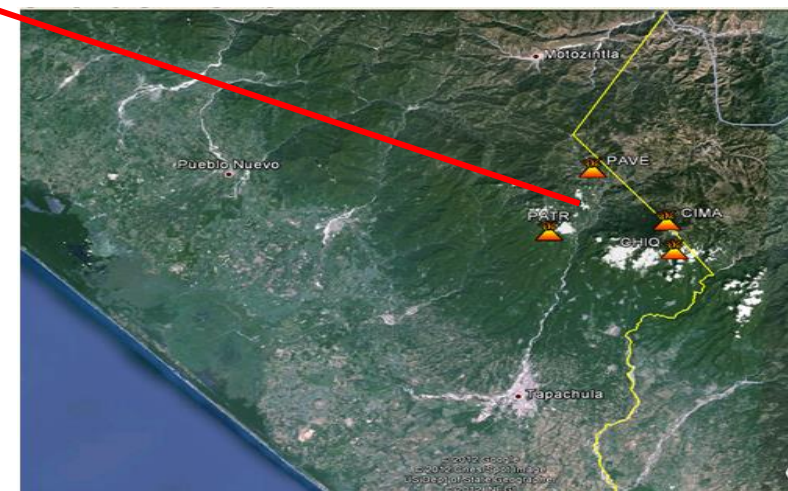
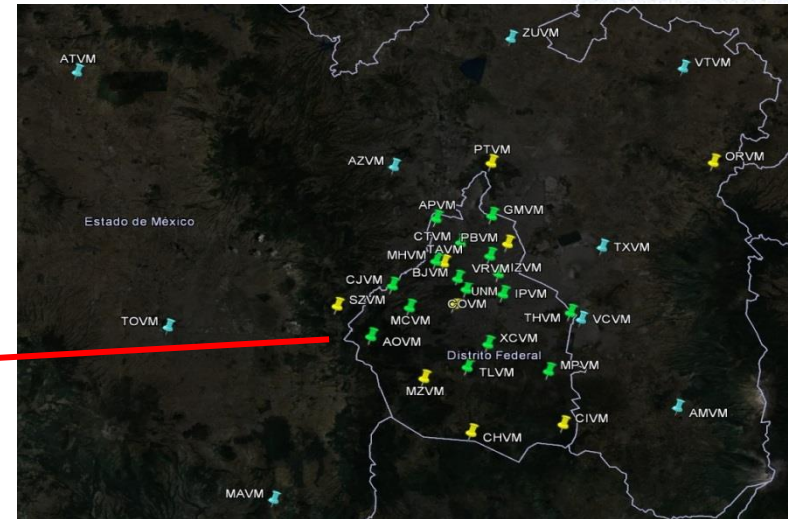
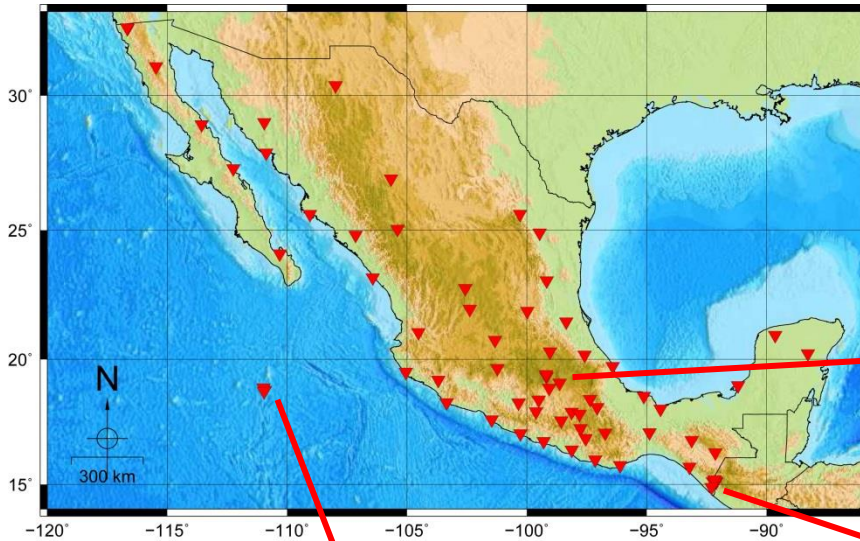








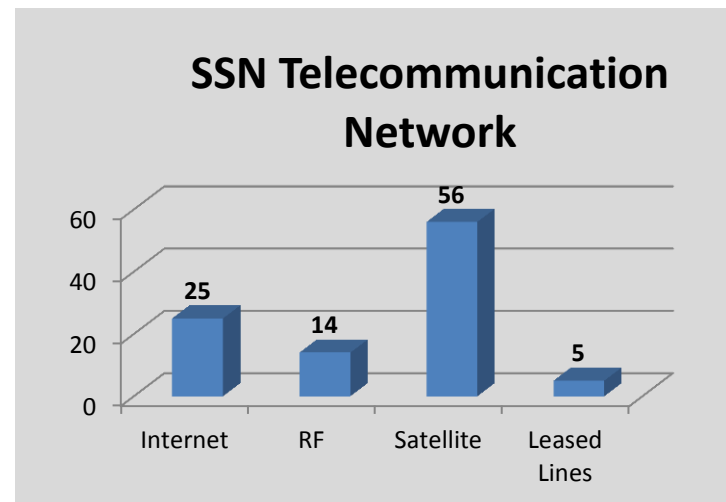
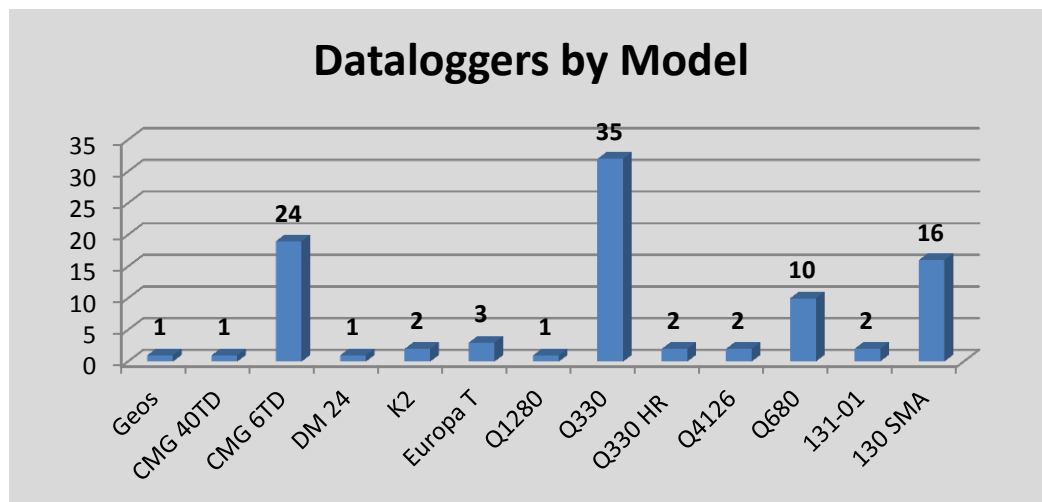
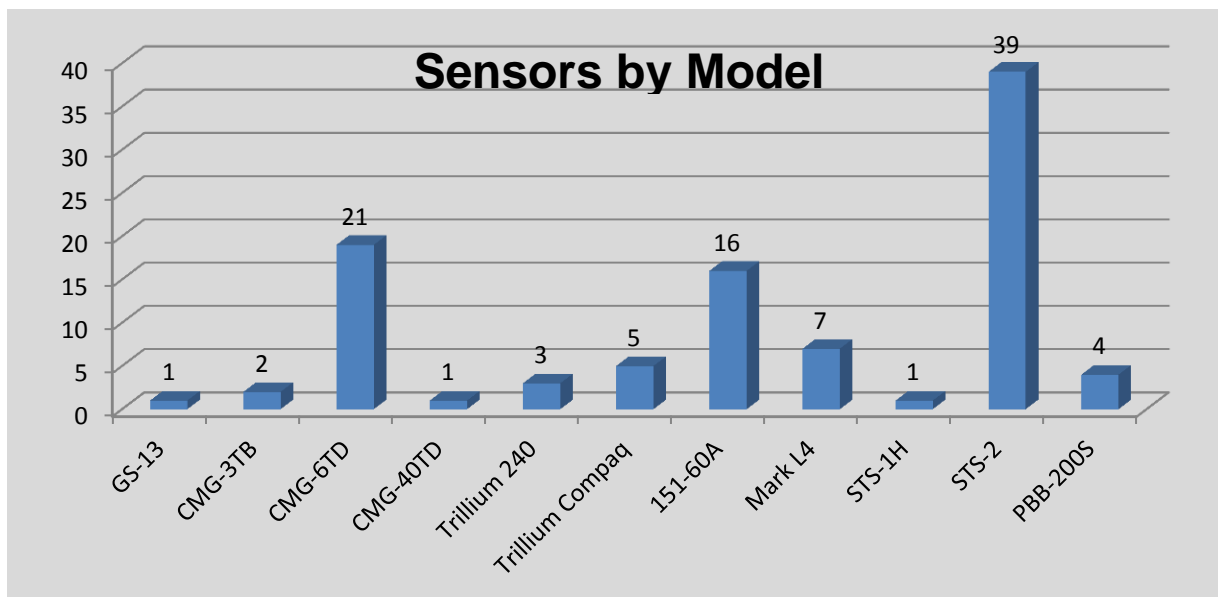




- The seismic monitoring of the Mexican area is done through four networks:
- one continental network named National Broadband Seismic Network.
  - one metropolitan named Mexican Valley Network deployed around Mexico City.
  - two local networks: the Tacaná Volcano and the Socorro Island.



The core for the National Broadband Seismic Network is composed with stations equipped with Quanterra dataloggers, seismometers STS-2, and accelerometers Episensor ES-T. For real time transmission at rural areas, the SSN uses a VSAT station.





# Plan to Improve the Coverage of the Mexican Seismic Network

