Regional Data Archiving and Exchange

1. Real time
2. Long Term Archiving

Available:

- PR: RT seismic, H-GPS, Sea level Data, pre computed tsunami scenarios
- Panama: RT seismic, regional collaboration (Central Am.)
- French W. I.: RT seismic, GPS, geochemical, etc. (miniseed),
- Mexico: RT seismic, wants to exchange, GPS (parts of network)
- CASC: catalog data only, no RT time series

Question: Archive?

Archiving Issues:

- Archiving the data completeness
- Long term metadata
- Event locations format: (SEISAN)
- C.A. Continuous communications issues
- Historical data archiving: money is needed (one single platform)
- Software: EarthWorm/ SEISAN used in most countries
- Pick data sharing via web pages (like USGS) **?**
- Send the data to IRIS?
- Linked data in localized centers?
- Regional Unified portal?
- Quality Control ? arclink
- Communication links.

Real Time Effort:

- Regional data center to manage the data ?
- Sent out in real time but not archived, tsunami warning.
- Most of the data is unreliable. (Quality control)
- Internet, cell phone or Satellite link for data transfer.
- Need the ability to send out data to different data centers (CASC, IRIS, PRSN)
- Software: EarthWorm/ Antelope/Seiscomp/SEISAN used in most countries

Concerns:

- Phone/Telemetry/Satellite service needs
- Concerns with GPS data (few people are trained to use these data).
- See level Data (few people are trained to use these data).
- Sharing P and S picks, etc. (completeness)
- Time period to use the data if you collect it (restrictions)
- Some people don’t want their data with the gringos!
- Funding for low income countries with few stations
- Support to install seismic stations to help countries
- Regional Training