

# TERREMOTOS Y TSUNAMIS

## PROTOCOLO DE COMUNICACIONES PARA PR/IV



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And

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MAYAGUEZ CAMPUS  
GEOLOGY DEPARTMENT

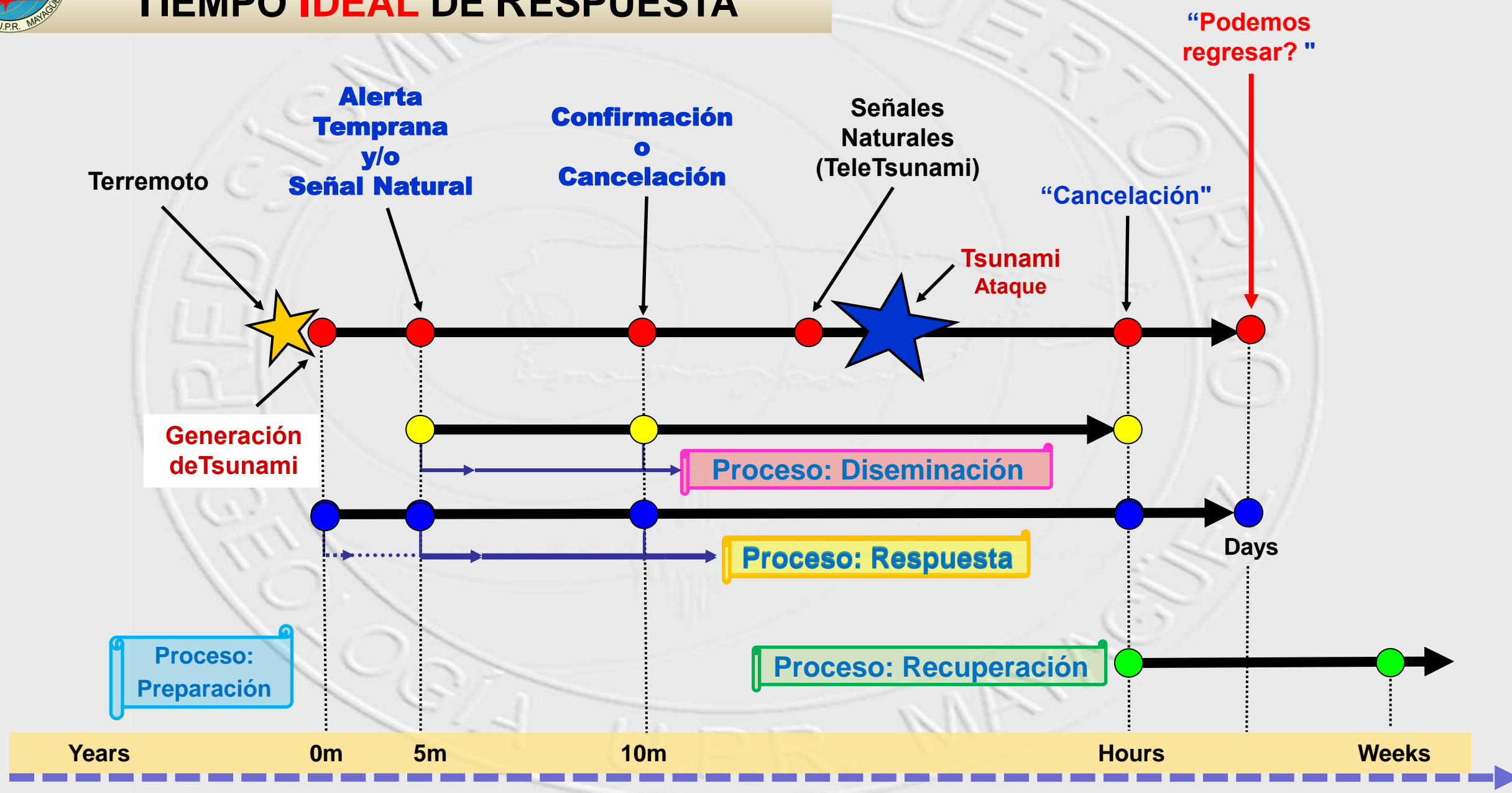
2022

## PR Network MISSION

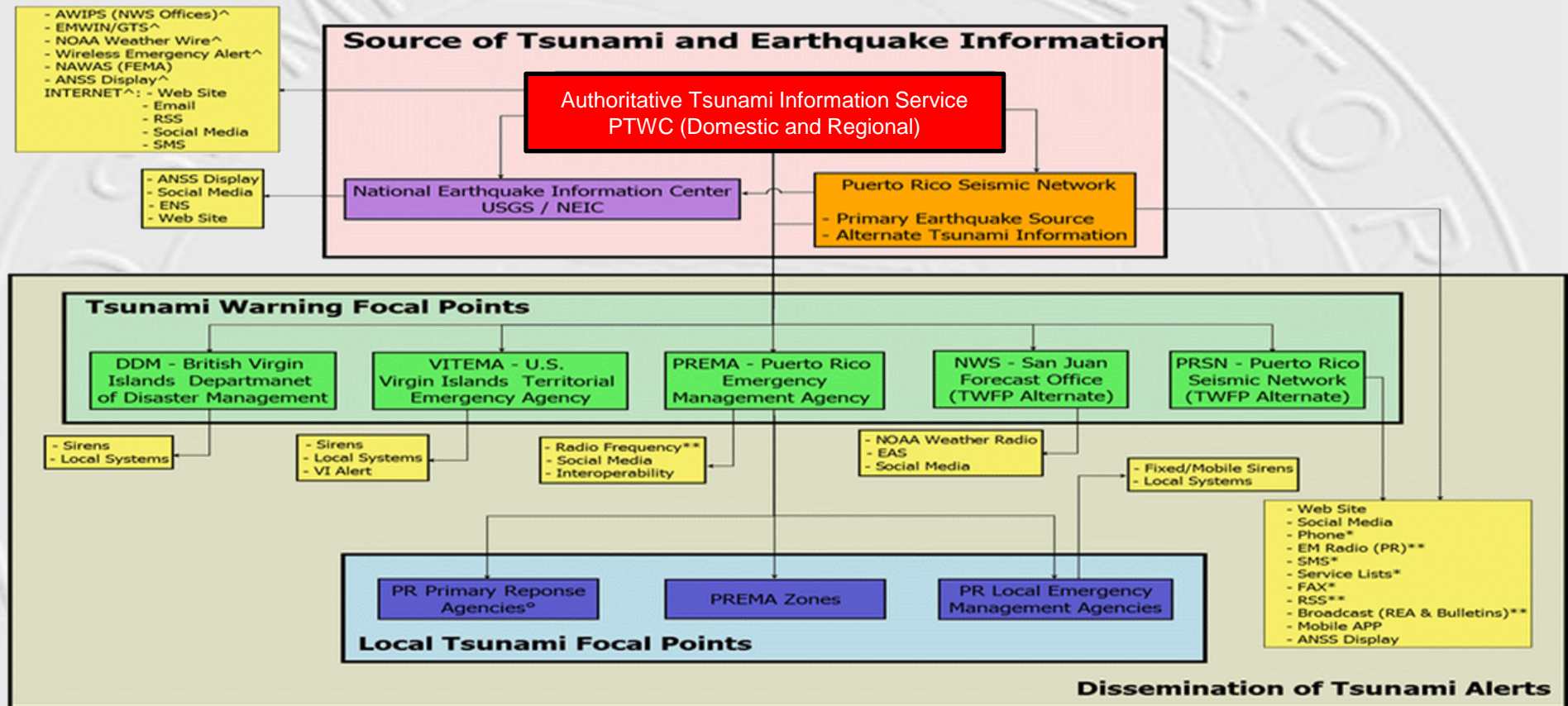
The PR Network (PRSN and PRSMP) is the regional authority to monitor the seismic activity and rapidly disseminate the location and size of all earthquakes in our Area of Responsibility (AOR). We support the TWC (Tsunami Warning Center) and help the TFPs to immediately disseminate the information to concerned agencies, media, scientists, and the general public. The PRSN compiles and maintains an extensive seismic database of earthquake parameters, continuous waveforms (earthquakes, GPS and sea level) and their effects which serve as a solid foundation for basic and applied earth science/oceanography research in Puerto Rico and the Caribbean. The PR Network also promote the education and preparedness of our population to mitigate the effects of a significant earthquake or tsunami.



# SISTEMA DE ALERTA DE TSUNAMIS: TIEMPO **IDEAL** DE RESPUESTA



# PROTOCOLO DE COMUNICACIONES PARA PR/IV EN CASO DE TERREMOTO O TSUNAMI

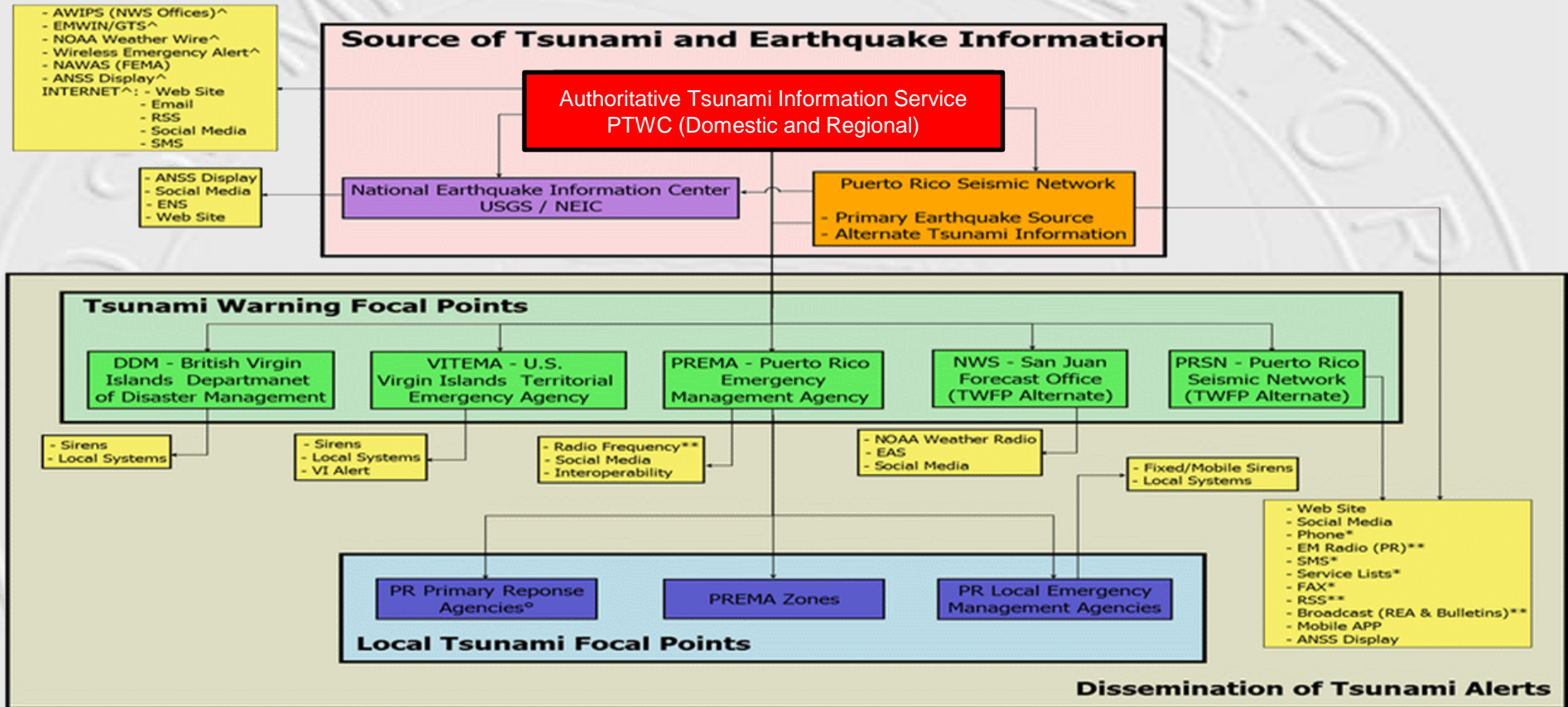


- \* By Subscription
- \*\* Dedicated Services for Responders
- ^ Messages Transmitted Directly form NWS/TWC
- o Includes:
  - Police Department
  - Fire Department
  - Emergency Medical Services
  - PR National Guard
  - PR Electric Power Authority

- CaribeWave
- ShakeOut
- Borinquenier
- Scenario-Driven
- Catastrophic Planning



# PROTOCOLO DE COMUNICACIONES PARA PR/IV EN CASO DE TERREMOTO O TSUNAMI

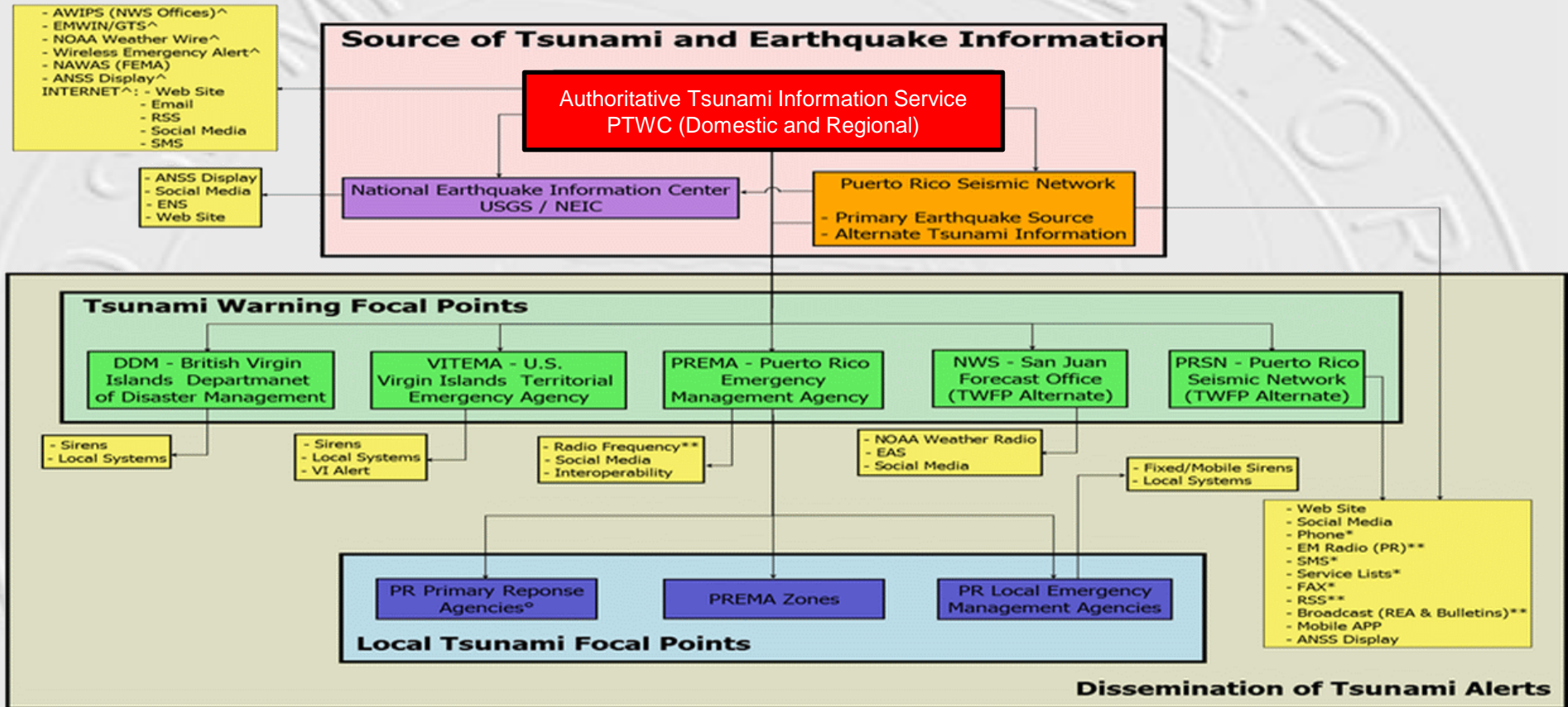


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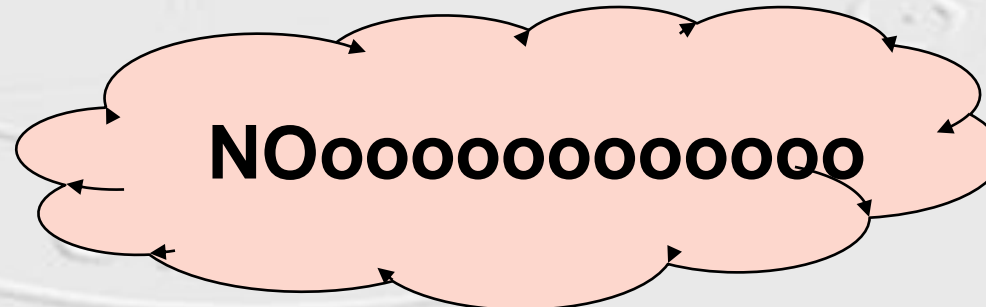
TODO ESTA BIEN ?



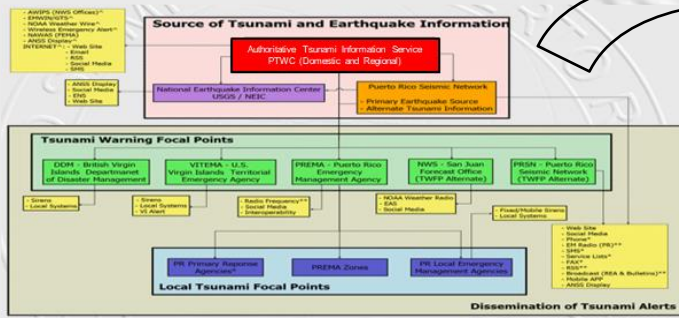
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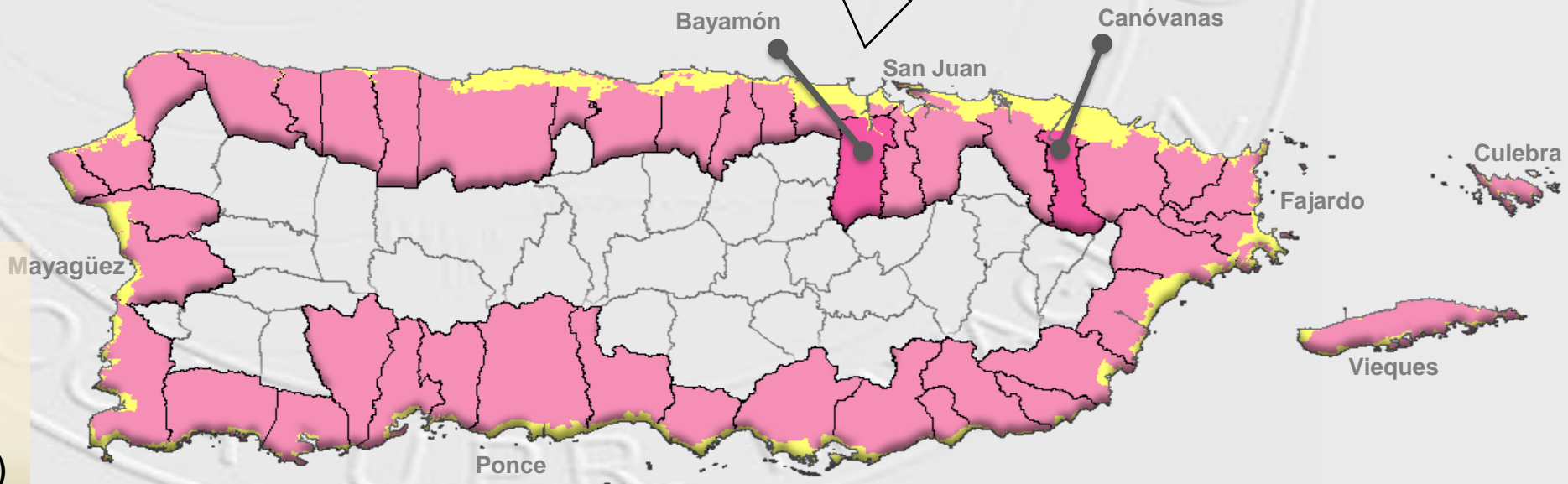
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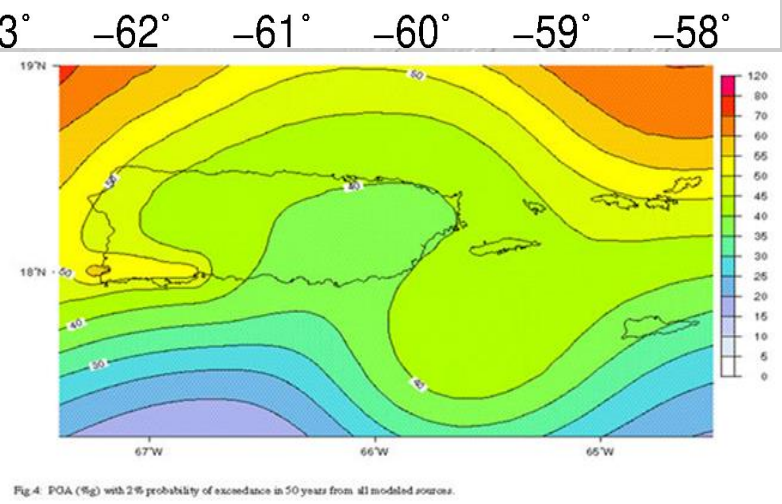
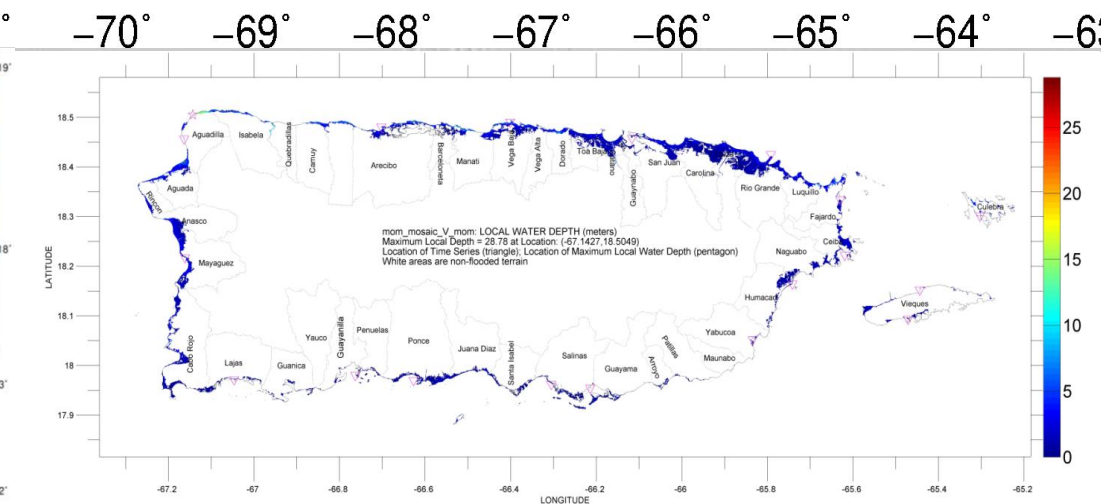
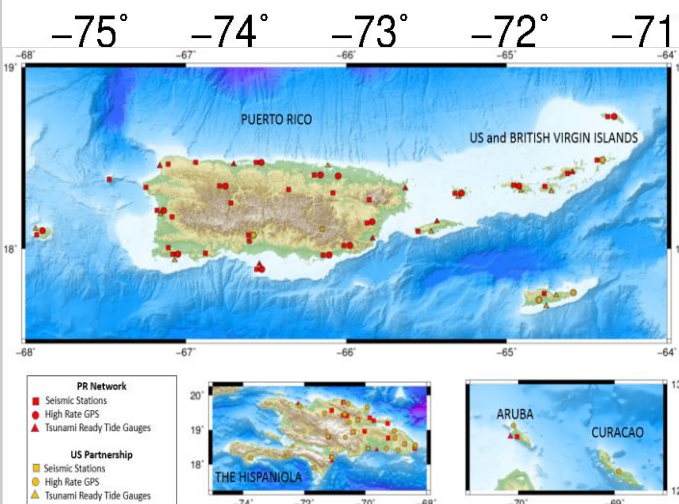
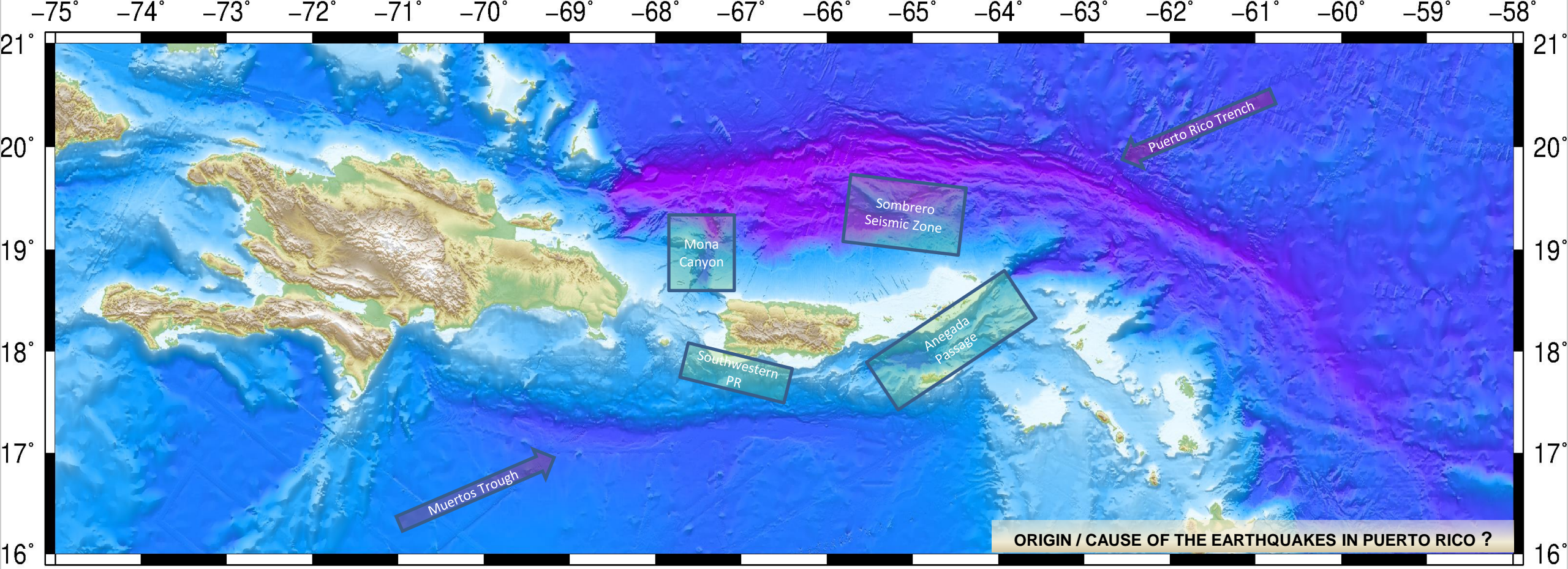


**COMUNIDAD**

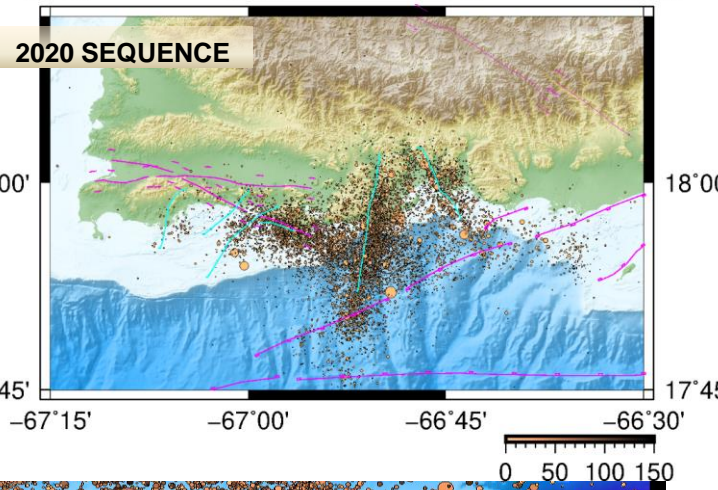
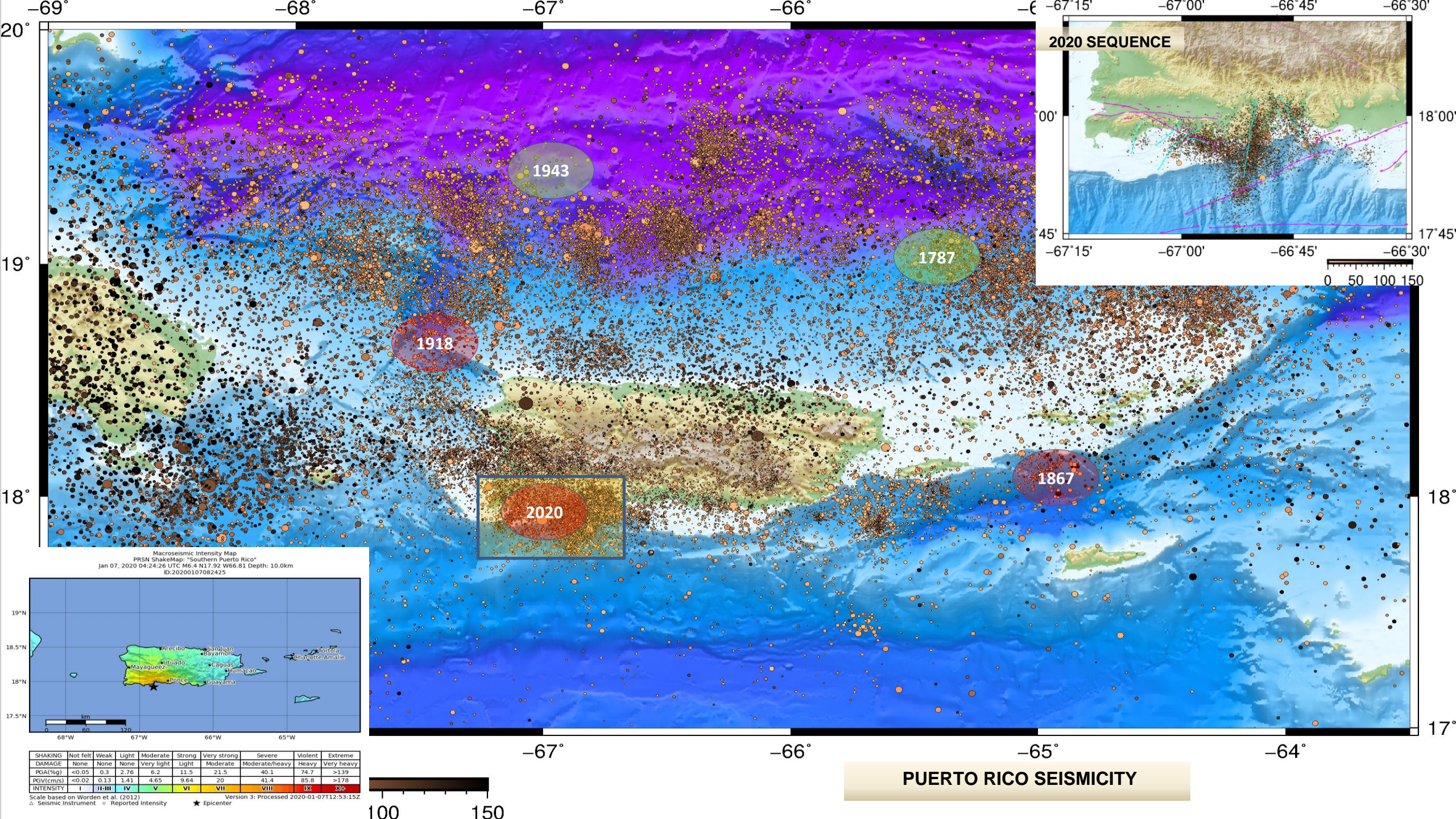


- Sirenas
- WEA (IPAWS)
- EAS
- Medios Sociales
- Internet (RSS, Apps, Portales)
- Radio NOAA









Macroseismic Intensity Map  
 PRSN ShakeMap: "Southern Puerto Rico"  
 Jan 07, 2020 04:24:26 UTC M6.4 N17.92 W66.81 Depth: 10.0km  
 ID:20200107082425



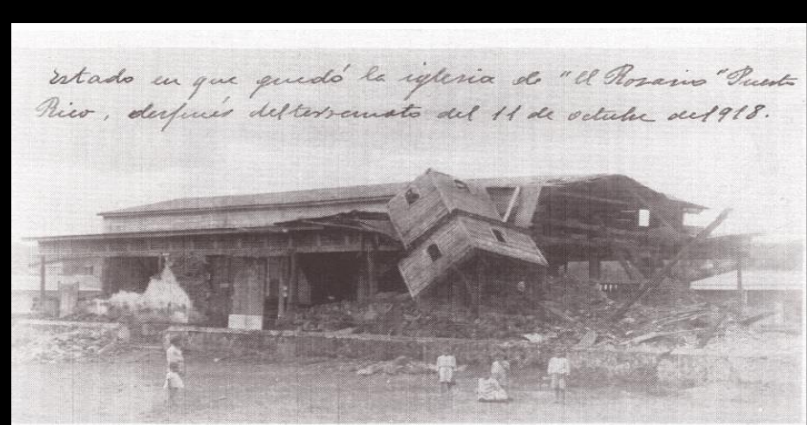
SHAKING	Not felt	Weak	Light	Moderate	Strong	Very strong	Severe	Violent	Extreme
DAMAGE	None	None	None	Very light	Light	Moderate	Moderate/heavy	Heavy	Very heavy
PGA(%g)	<0.05	0.3	2.76	6.2	11.5	21.5	40.1	74.7	>139
PGV(cm/s)	<0.02	0.13	1.41	4.65	9.64	20	41.4	85.8	>178
INTENSITY	I	II-III	IV	V	VI	VII	VIII	IX	X

Scale based on Worden et al. (2012) Version 3: Processed 2020-01-07T12:53:15Z  
 △ Seismic instrument ○ Reported Intensity ★ Epicenter

**PUERTO RICO SEISMICITY**





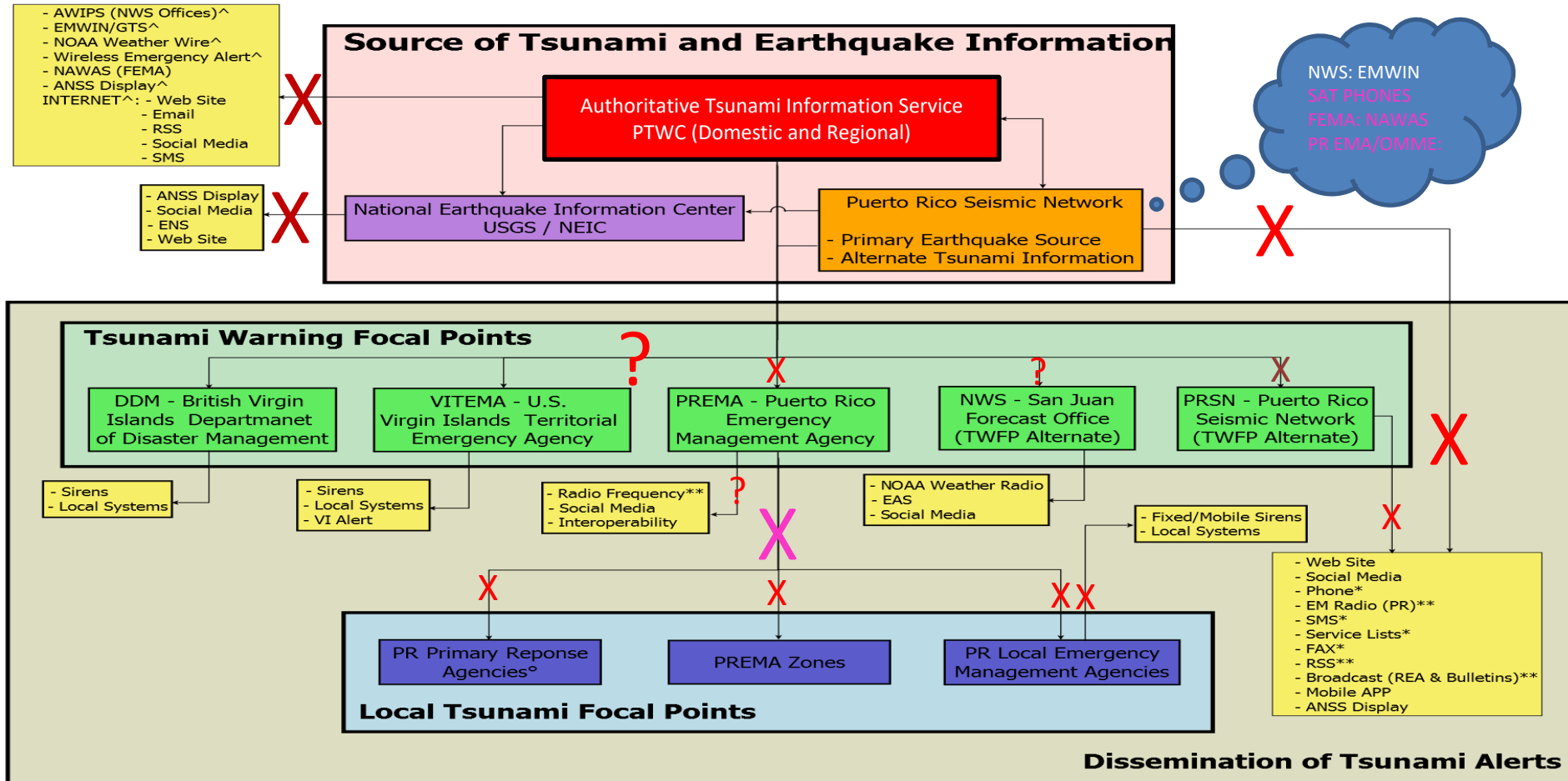








**TSUNAMI COMMUNICATION PROTOCOL FOR PUERTO RICO AND THE VIRGIN ISLANDS - Reviewed Dec/2015**



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And the Plans ??

Menu Stations

NOAA WEATHER RADIO ALL HAZARUS

NWR Station Listing for Puerto Rico

Click on a column heading to sort.

Site Name	Transmitter Name	Call Sign	Frequency	Power	WFO
Mariacao (OUT OF SERVICE)	Monte Del Estado	WJN108	162.550	1000	San Juan, PR
San Juan (OUT OF SERVICE)	Aguas Buenas	WJN109	162.400	1000	San Juan, PR

Number of Stations in Puerto Rico = 2