

IMPACT OF GLOBAL EARTHQUAKE & TSUNAMI

Data Source:

https://www.ngdc.noaa.gov/hazard/tsu_db.shtml

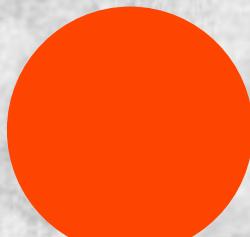


ASEEM SARVAPRIYA

INTRODUCTION



DIYARBAKIR, TURKEY



TSUNAMI'S IMPACT INJURIES & DEATHS

- Great
- Major
- Moderate
- Strong

WHY THIS TOPIC ???

Serious threat to human life

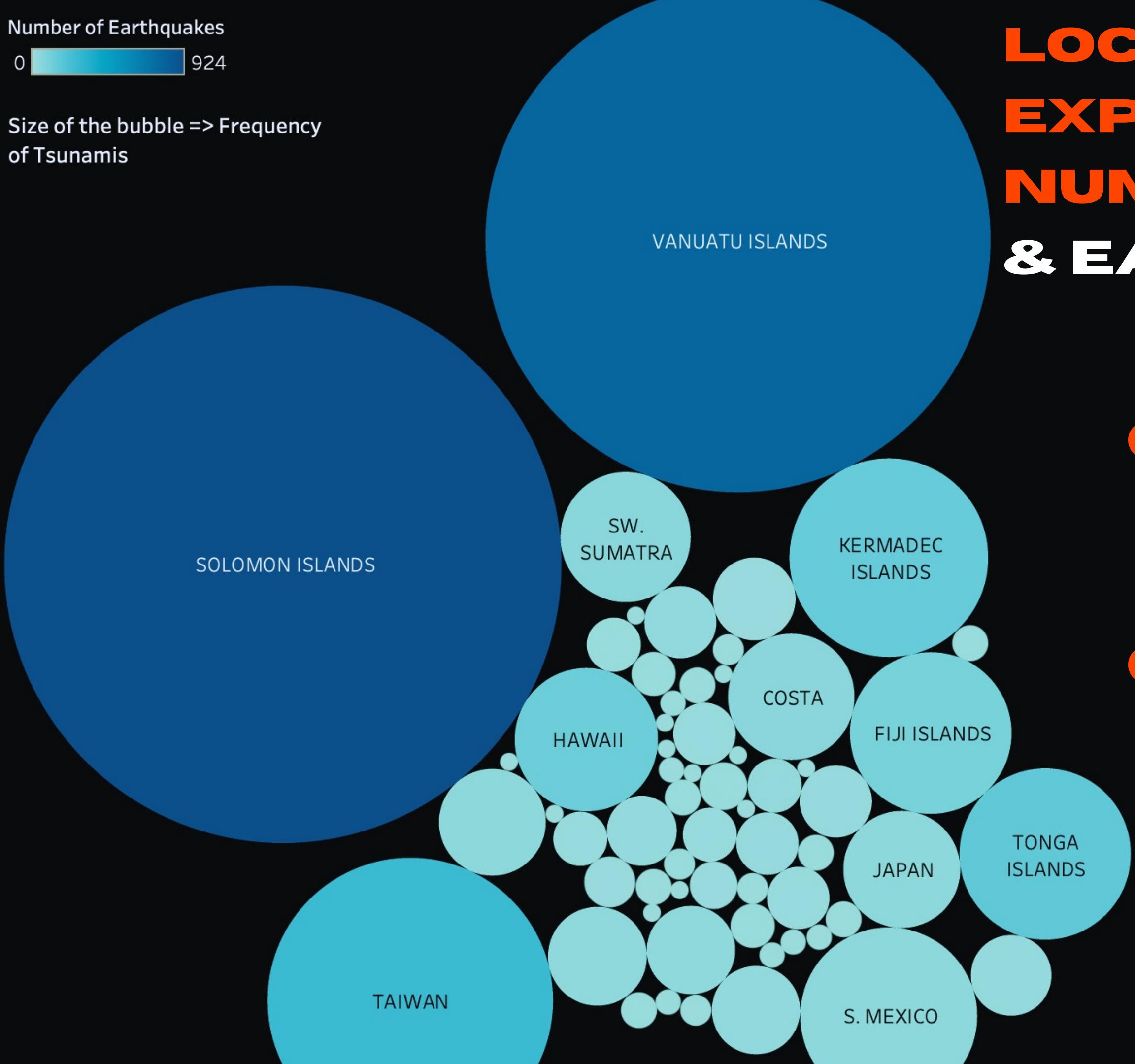
Patterns & Trends
of these calamities

Awareness, Preparedness,
Resilience

Number of Earthquakes



Size of the bubble => Frequency
of Tsunamis



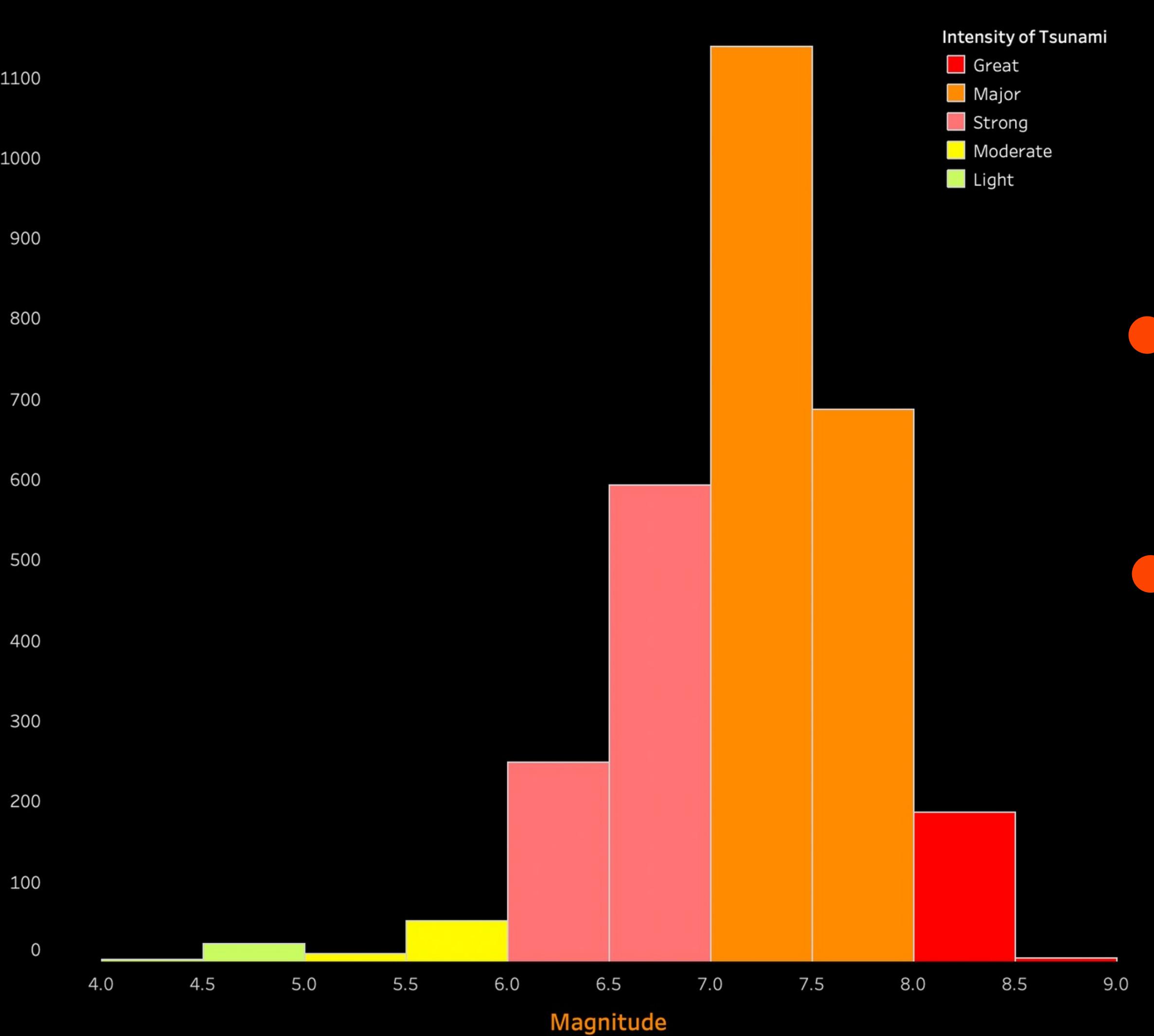
LOCATIONS EXPERIENCING HIGH NUMBERS OF TSUNAMIS & EARTHQUAKES

- Proximity to large bodies of water
- High concentration of events in the Pacific Ring of Fire



TSUNAMI DISTRIBUTION

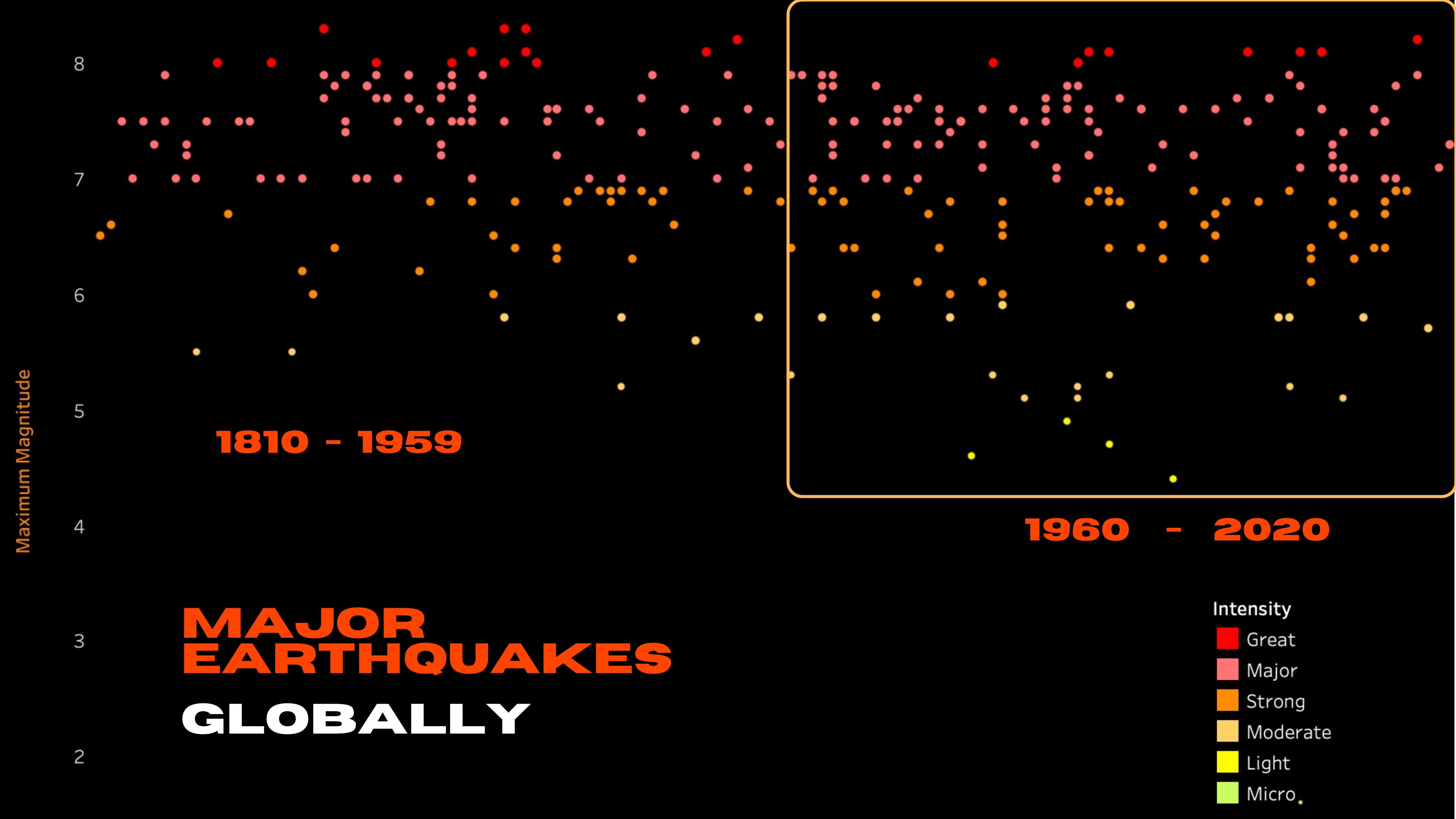
- Majority fall into higher intensity levels
- Devastating impacts on coastal communities, particularly in areas with poor infrastructure or inadequate warning systems.



KEY INSIGHTS

- PRIORITIZE DISASTER PREPAREDNESS & RELIEF SUPPORT MEASURES IN THE COASTAL REGIONS
- EDUCATION & AWARENESS FOR THE LOCAL CITIZENS
- LAND USE PLANNING & BUILDING CODES
- ENCOURAGE COMMUNITY INVOLVEMENT





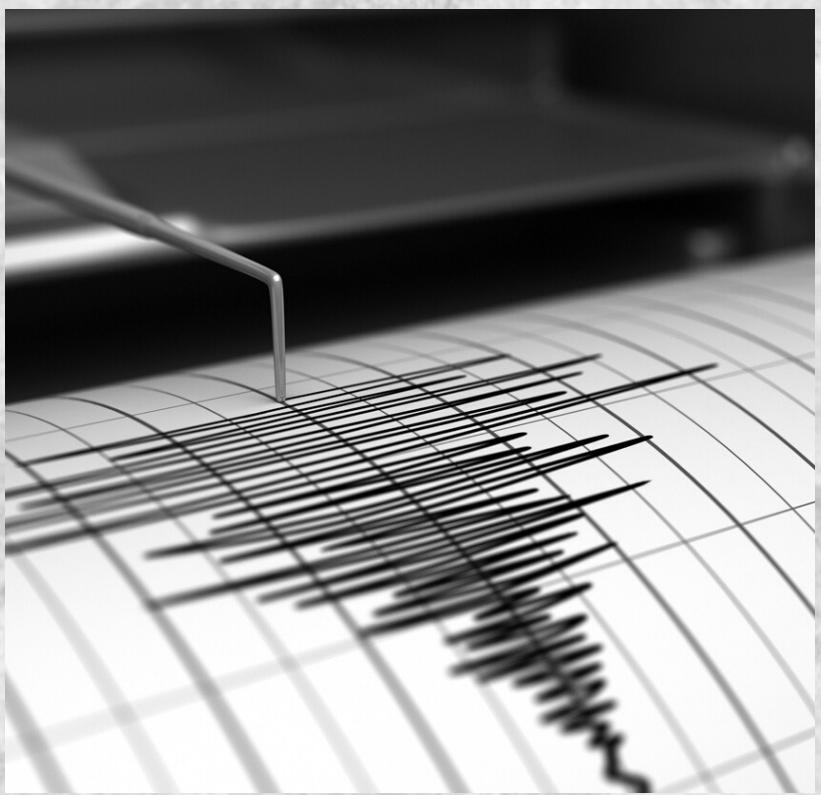


1. FREQUENCY INCREASED WITH URBANIZATION
2. CLIMATE CHANGE
3. INCREASED HUMAN ACTIVITY
4. IMPROVED DETECTION

**WHAT CHANGED
OVER YEARS???**

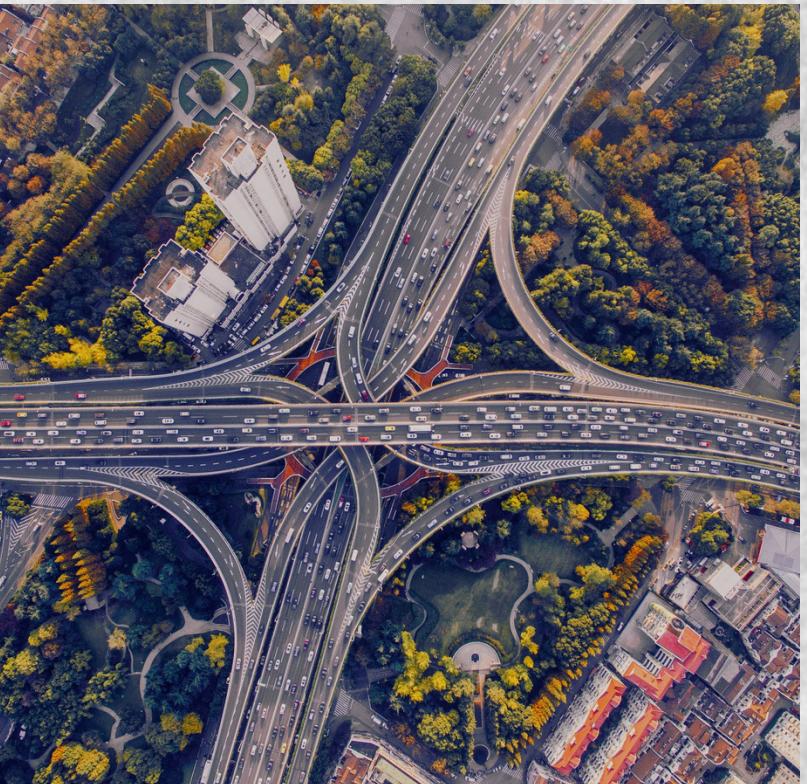


CURRENT CHALLENGES



**Earthquake & Tsunami
detection not easy**

**High Cost of Infrastructure
Improvements**



**Population growth &
Urbanization**



RECOMMENDATIONS

Early warning Systems

Develop emergency response plans

Limiting new development in hazard prone areas

Building evacuation centres

Awareness about emergency helpline numbers

International Cooperation



**THANK
YOU !!!**

