Worldwide Earthquake Disaster Hubs

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UNDERSTANDING THE PROBLEM



Turkey 2023

AFTER • • •

Overwhelm Hospitals, Medical, Transportation

LOGISTICS

Complicate Emergency Response Efforts

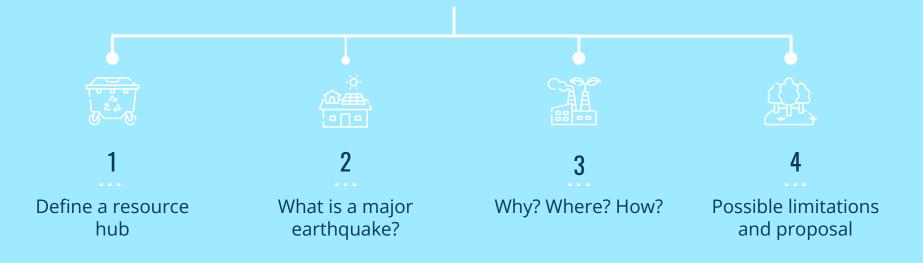
RESOURCES • • •

Lack of for NGOs like International Red Cross and Direct Relief



The Goal

Identify 3 non-US locations for major earthquake disaster relief hubs



About

Target: United Nations Office for the Coordination of Humanitarian Affairs (OCHA)

 Coordinate with Red Cross, UNICEF, Doctors without Borders, and Direct Relief

USGS Earthquake Dataset: 2000-2023 Countries of the World Dataset: US Govt

Limitations

- Unknown locations of any currently used resource hubs
- Omitting all non human reviewed data points

Assumptions

- Organizations will work with local government to coordinate logistics
- Organizations involved will want to partner together



RESOURCE HUB

Disaster relief and recovery efforts. Some of the most critical in-demand resources include:

Medical Supplies

 Bandages, antiseptics, antibiotics, painkillers, specialized equipment, stretchers and defibrillators.

Water + Food

 Bottled water, water purification tablets, and non-perishable food items

Shelter

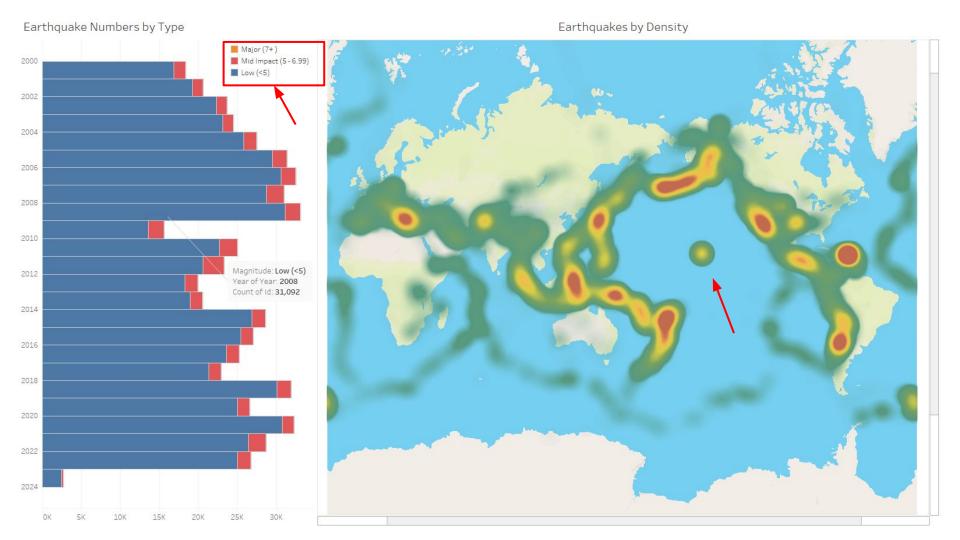
 Tents or prefabricated housing units

Power and Fuel

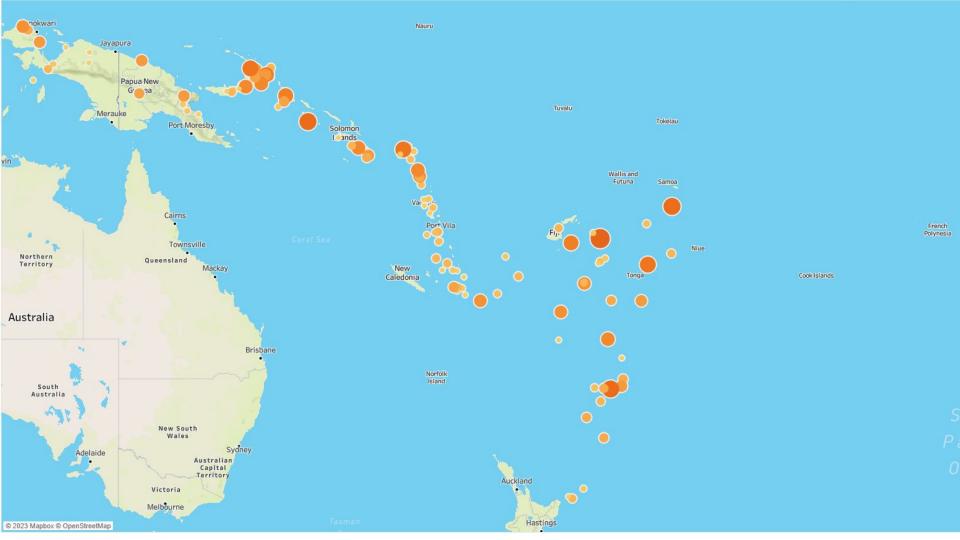
 Generators and vehicles, solar-powered lamps and chargers.

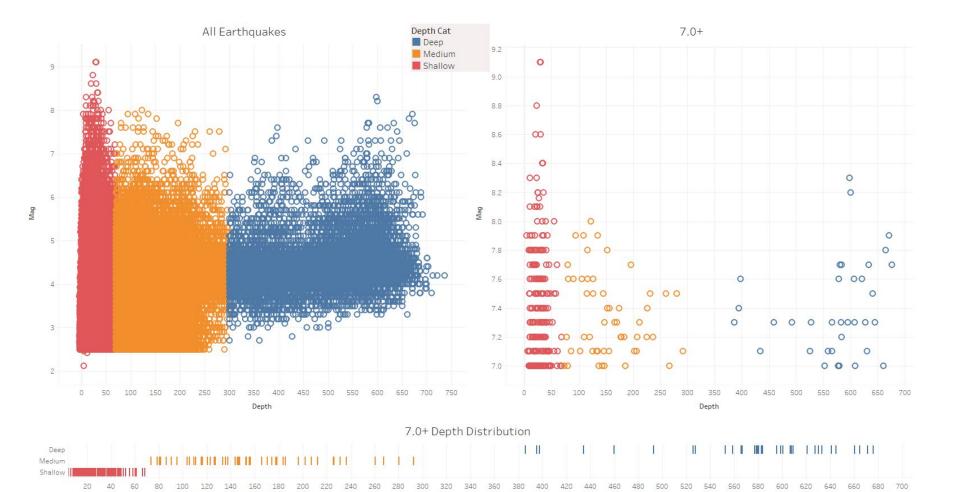
Communications Equipment



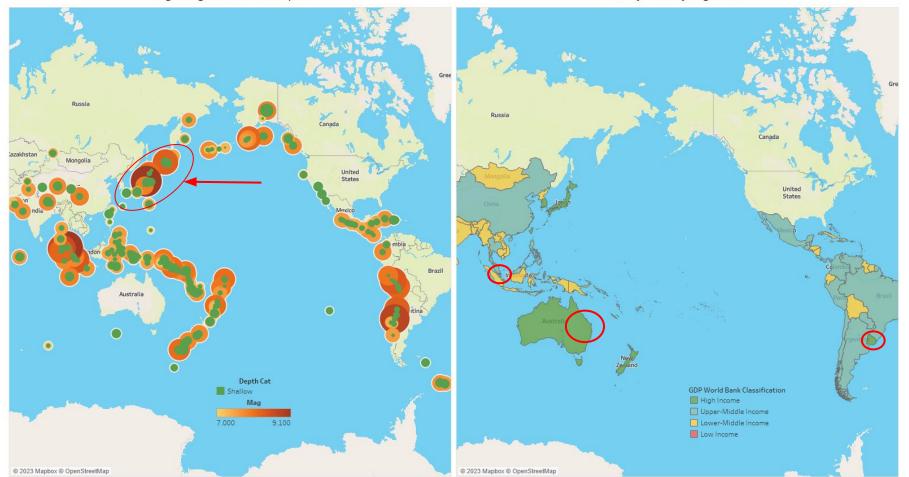








Depth



2018 Sulawesi Earthquake and Tsunami



70,000 damaged homes

4500+ deaths

10,000 injured

7-10 days to reach all disaster zones



CONCLUSION





•• Uruguay

Political Stability

HUB Locations

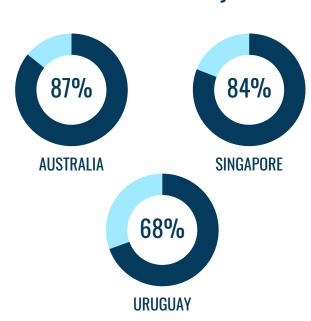


Literacy Rates

Australia

Singapore

Uruguay





Thanks!