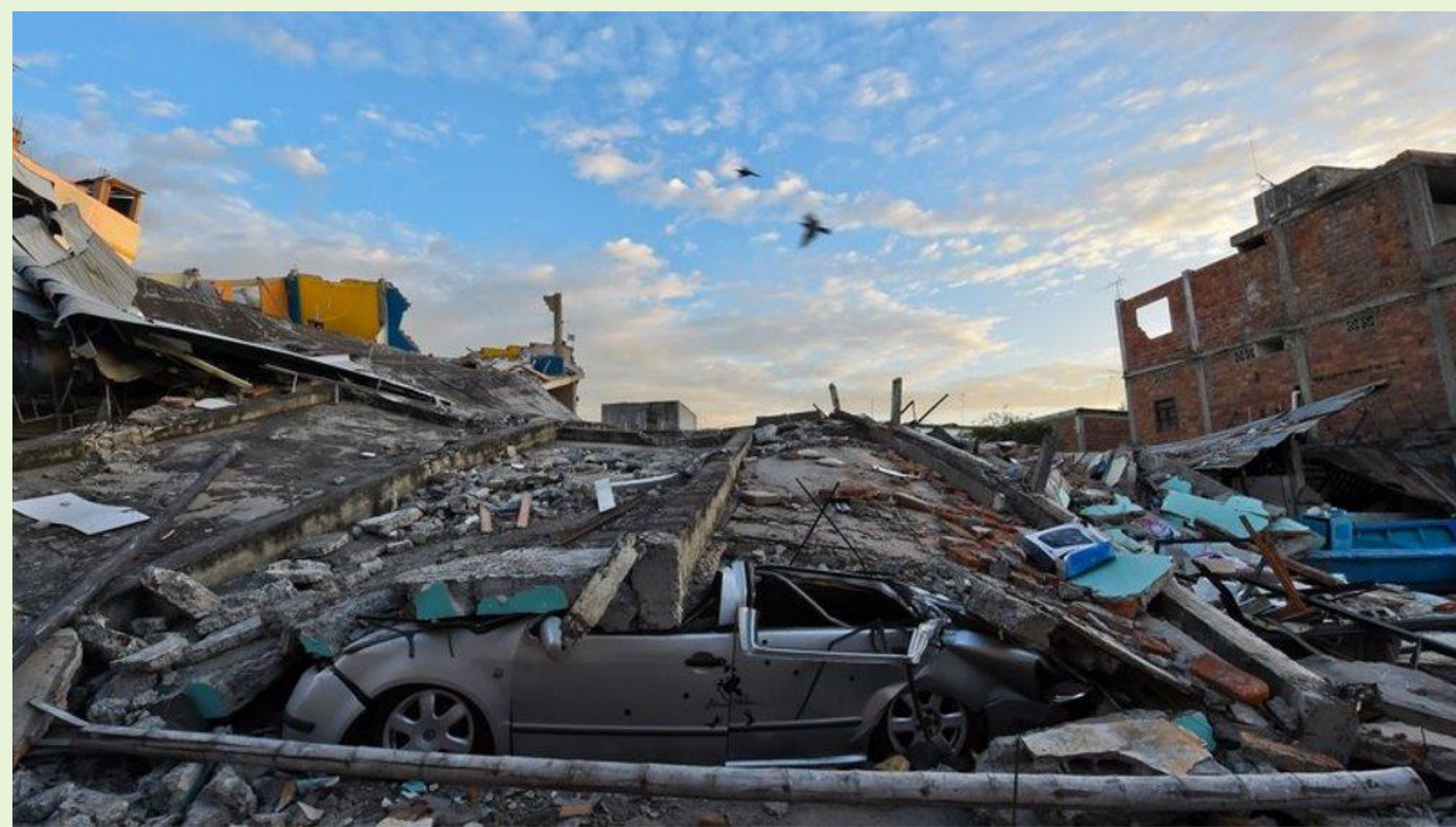


Disaster Education in Portoviejo, Ecuador

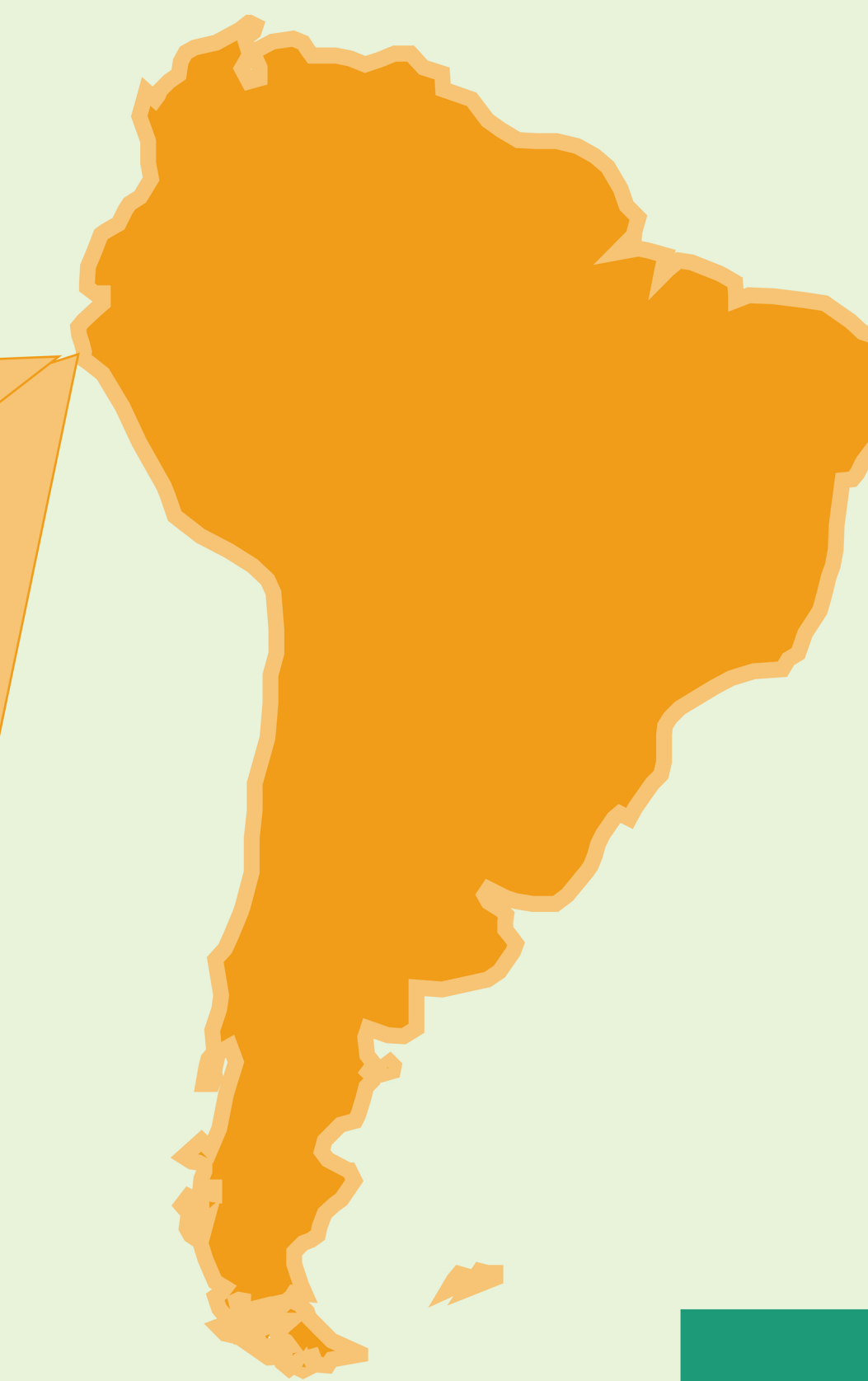


Rachel Flanagan (CE), Zachary Koval (CS), Caitlin Strzegowski (EVE), Eda Raycraft (AREN)
 Advisors: Dr. Beth Eddy & Dr. Katherine Foo

Goal: To limit the destruction of earthquakes by educating the public on earthquake safety through proper distribution of information.



Destruction following the 2016 earthquake



Overview

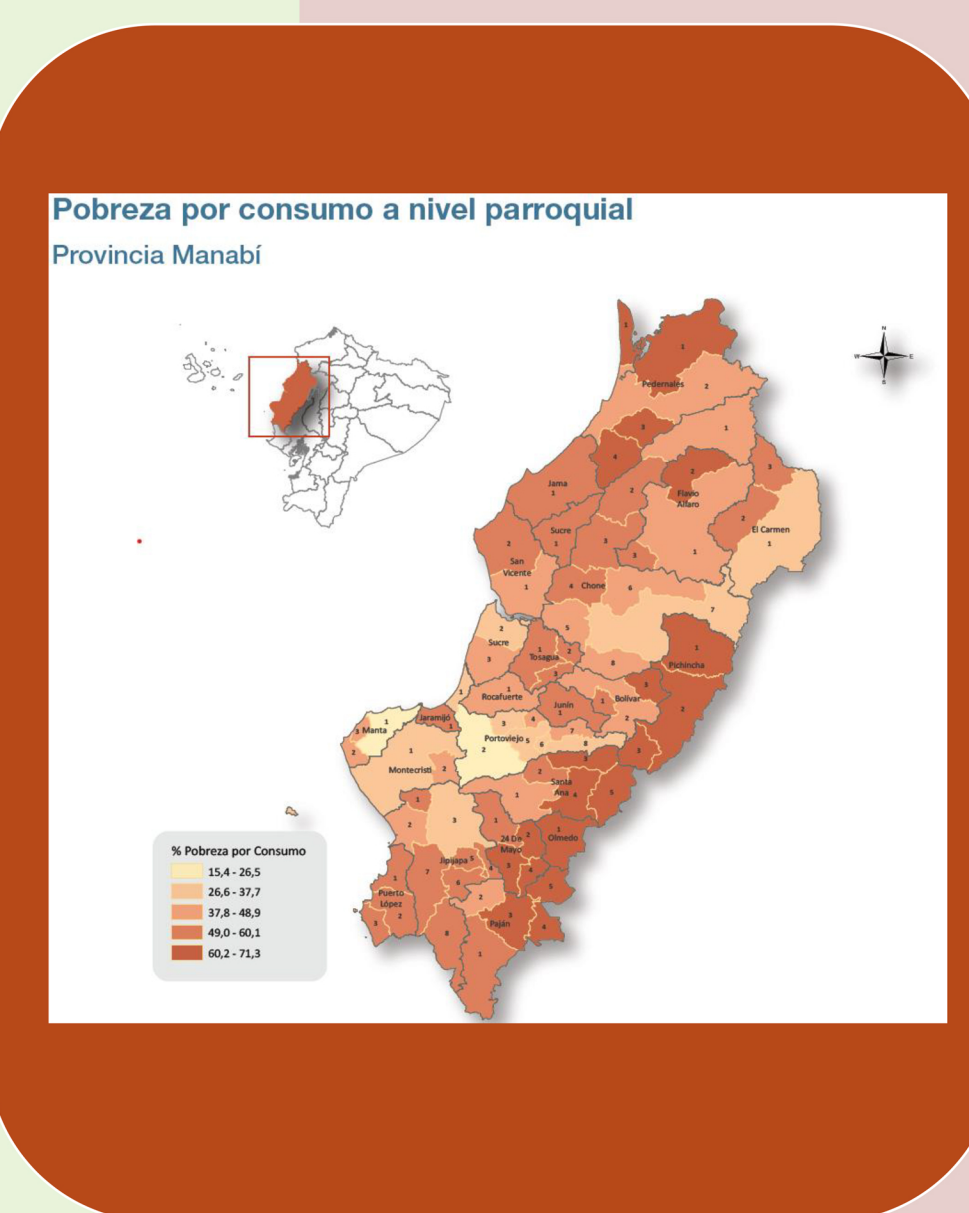
How do earthquakes affect the citizens and government of Portoviejo?

- Socially: Family and friends are killed; therefore the moral of a city drops.
- Economically: Governments' economies struggle to recover due to the high costs of damages.

What do earthquake hazard risks depend on?

- Population density: The outskirts of Portoviejo are very crowded.
- Poorly enforced construction standards: Structures are not built up to safety codes.

Problem



Lack of emergency preparedness

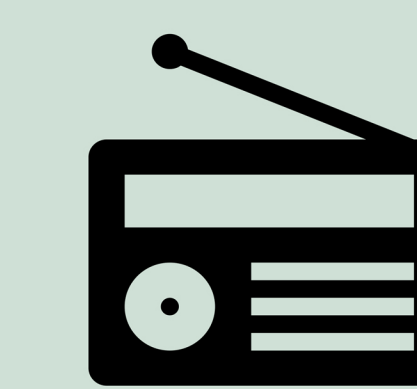
7.8 magnitude earthquake

Portoviejo was devastated by an earthquake in 2016.

- 700 people were killed
- 6,000 people were severely injured
- 35,000 homes were destroyed or badly damaged
- 90% of infrastructure was destroyed in some areas
- Estimated \$3 billion in damages

Solution

Distribution



Before

Community practice drills



Individual preparedness



Prepare an emergency safety kit with food, a radio, and medical supplies



During

Inside: Stand away from windows or in doorways

Outside: Stand away from buildings or structures

Stay put where you are, protect yourself

After

Assess the damage

Listen for announcements on radios

Seek help



Click the QR code for references!