

WHAT ARE DISASTERS?



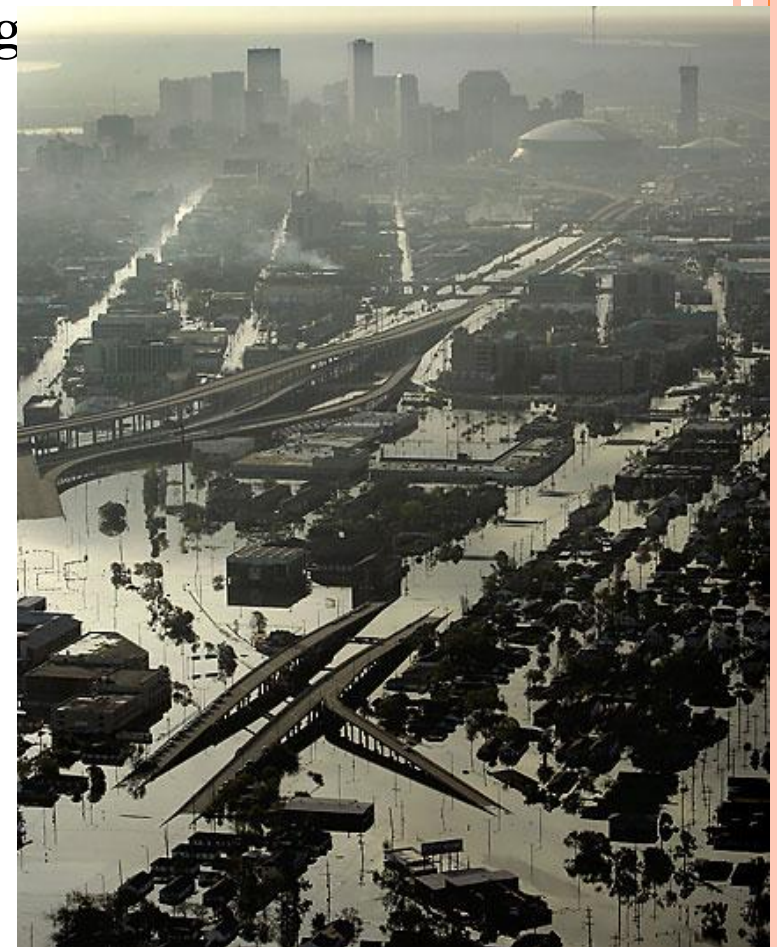
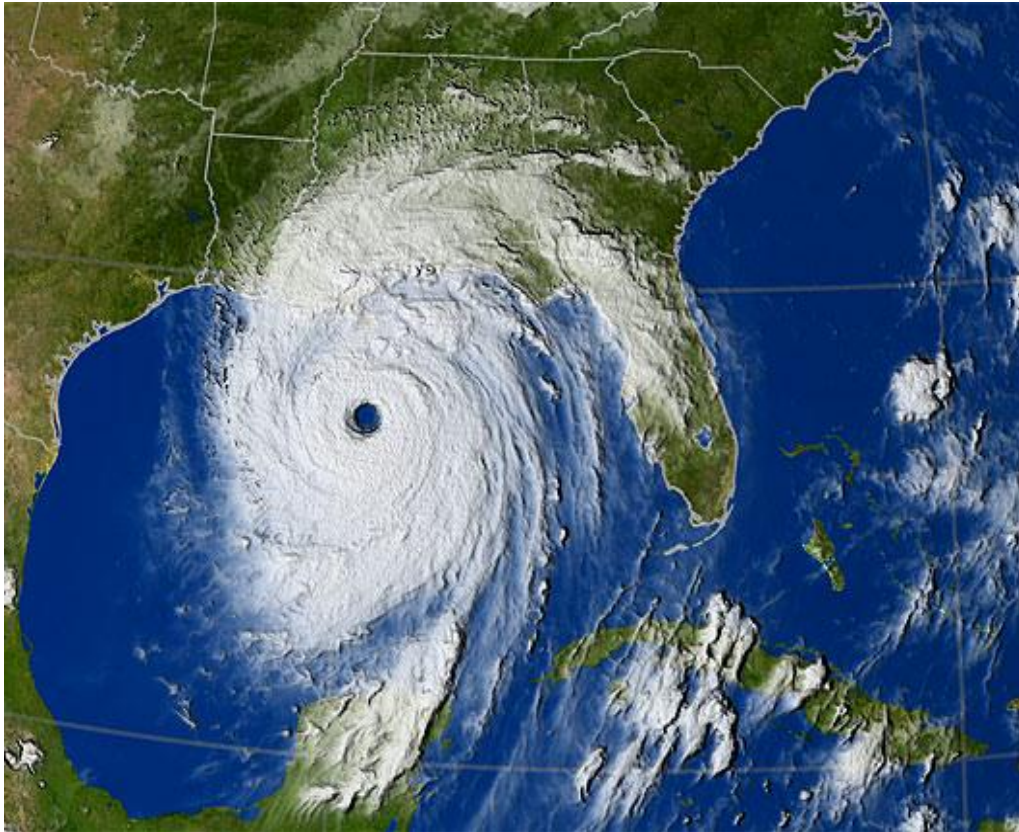
10 examples of disasters:

Assess the hazards, risks, vulnerabilities,
and resilience in each situation.

Wyatt Gordon
& Laurel
Bikunop

HURRICANE KATRINA

- Category 5 hurricane, struck Louisiana Aug. 28th, 2005
- 2,541 deaths, over 6K injured, and over 400K displaced
- 3rd strongest hurricane ever to hit the U.S.
- Over \$150 billion in property damage



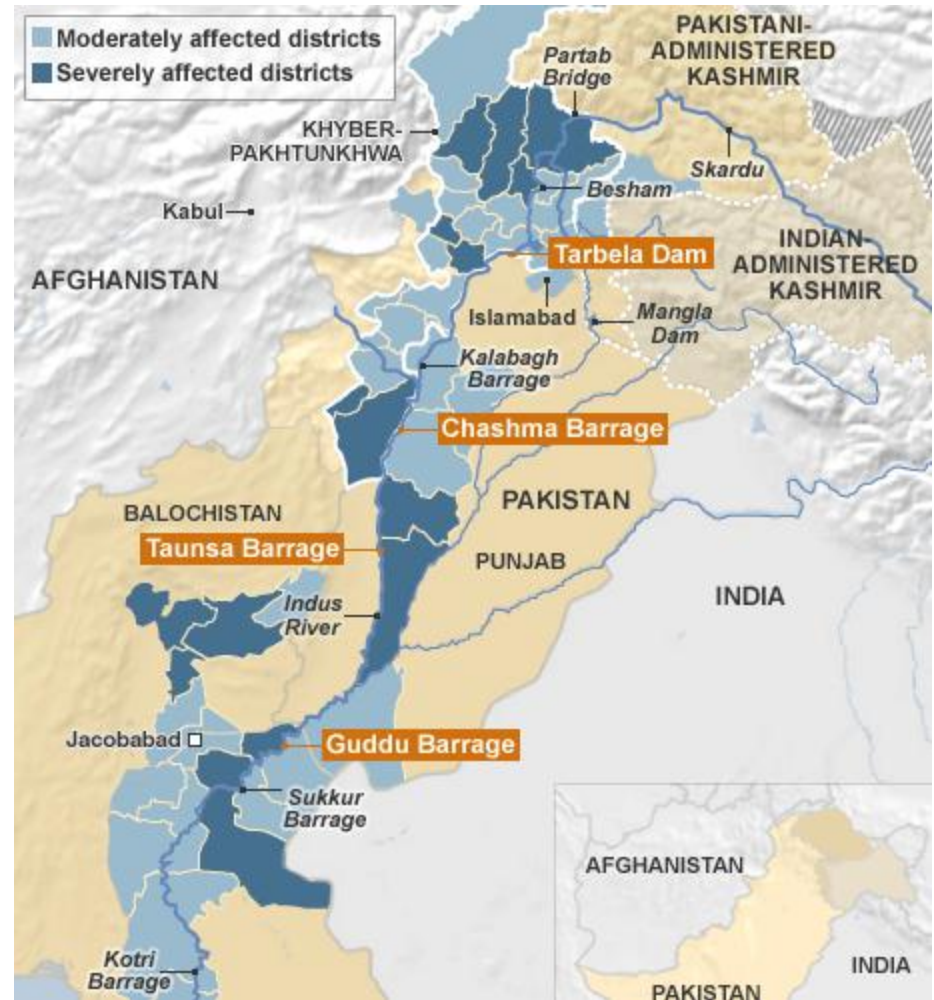
BOXING DAY TSUNAMI

- 9.2 Earthquake triggered a tsunami which struck Indonesia, Sri Lanka, India, and Thailand
- 280K people died or went missing Dec. 26th, 2004
- 1.69 million displaced, biggest humanitarian effort in history



FLOODING

- 125 killed and 280 injured in flooding in the Kashmir region Pakistan and Punjab, India as of Sept. 6th, 2014
- Over 1,600 houses collapsed in 4 days of torrential rain



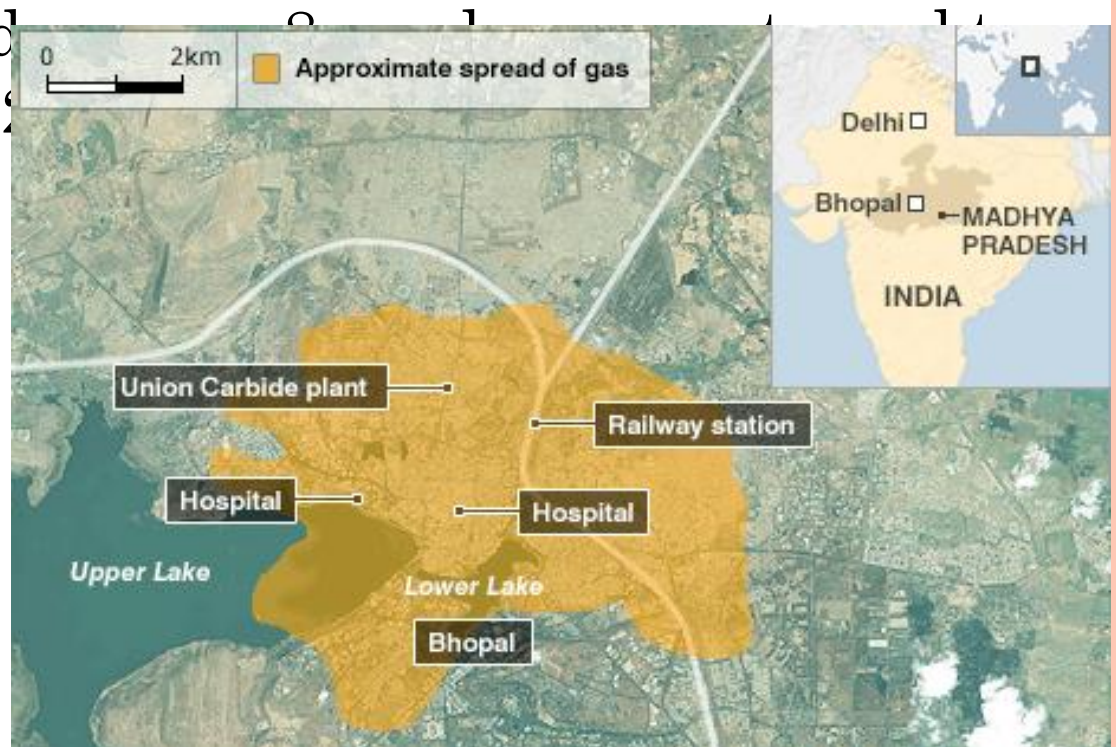
KILAUEA VOLCANO

- Erupting since 1983, Kilauea has destroyed dozens of homes in Puna on the Big Island of Hawai'i
- Lava flow may reach the neighborhood of Kilauea by the end of this week



BHOPAL GAS DISASTER

- 3,787 confirmed deaths (16,000 additional deaths have been claimed) and 558,125 injuries, some eventually fatal
- The world's worst industrial disaster struck Bhopal, India
- \$3.3 billion paid in compensation



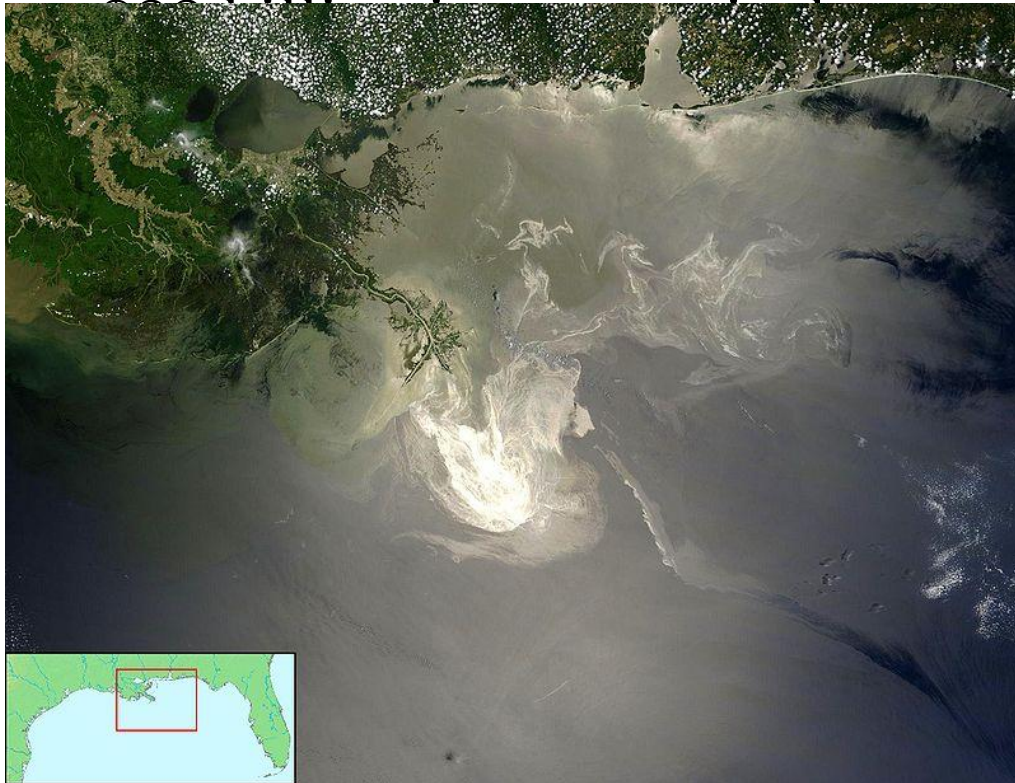
EBOLA IN WEST AFRICA

- As of Sept. 5th there have been over 4K cases and 2,105 deaths in Guinea, Sierra Leone, and Liberia
- Another unrelated outbreak in the DRC has reported 53 cases and 31 deaths



SPILL

- Explosion of an oil rig off the coast of Louisiana killed 11 and spilled 4.9 million barrels of oil into the Gulf of Mexico
- Contamination killed 650 dolphins and thousands of other birds, fish, turtles, and marine mammals



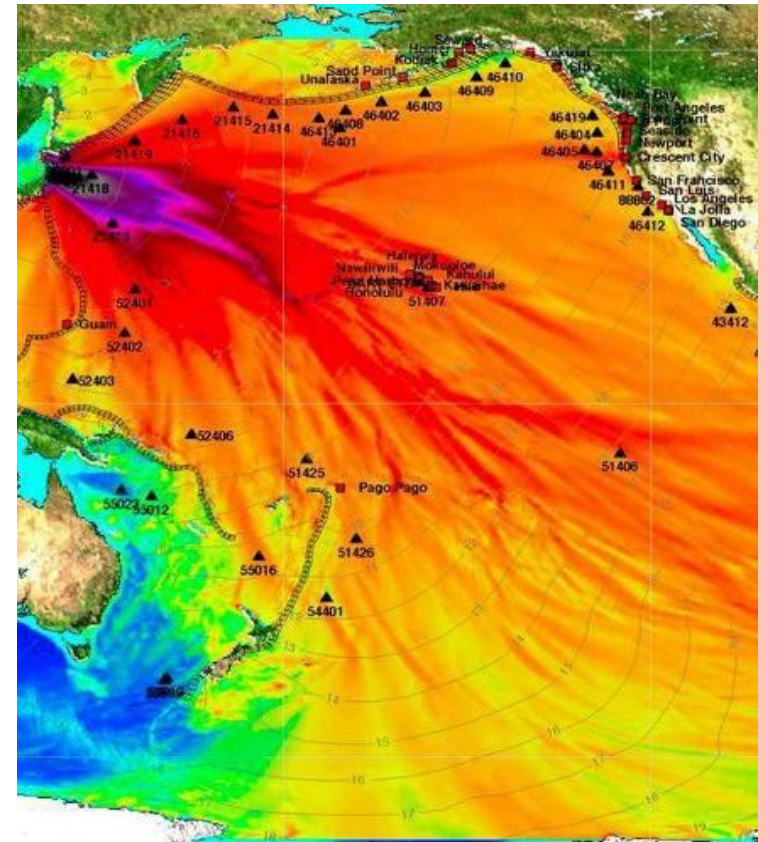
KASHMIR EARTHQUAKE

- A 7.6 earthquake struck the Kashmir region on Oct. 8th, 2005 killing over 100K, injuring 138K and displacing 3.5 million in Pakistan, India, and Afghanistan
- Nearly half the population of Muzaffarabad (the Pakistani capital of Kashmir) died in the quake
- The global relief effort raised \$6.2 billion in aid



FUKUSHIMA DAIICHI NUCLEAR DISASTER

- 39 workers suffered radiation burns from the explosion on Mar 12th, 2011 when a tsunami caused a meltdown
- The radiation displaced over 300K people
- 1,600 died because of evacuation conditions: hospital closures and temporary housing
- 2nd worst nuclear disaster ever



TORNADOS

- Twin tornadoes struck Central Virginia May 21st, 2014
- 2 killed, 36 injured
- Over \$360K in damages



SHARE A DISASTER OF YOUR OWN:

- Think of a disaster which struck your home community.
- What were the hazards, vulnerabilities, and risks? How resilient was your hometown?



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