



ANAK KRAKATAU TSUNAMI IN INDONESIA 2018

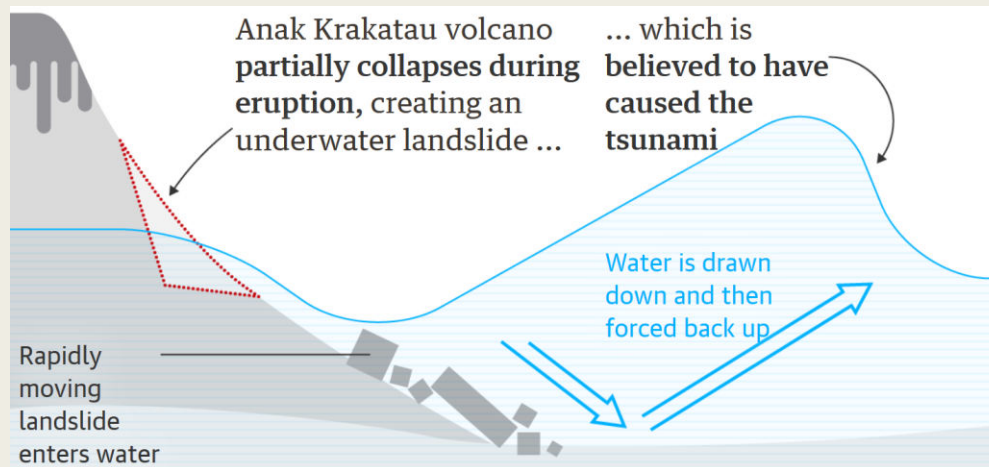
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Agenda

- Overview of the Disaster
- Precautions
- Disaster Management
- What was Right/Wrong?
- Lessons Learned
- References

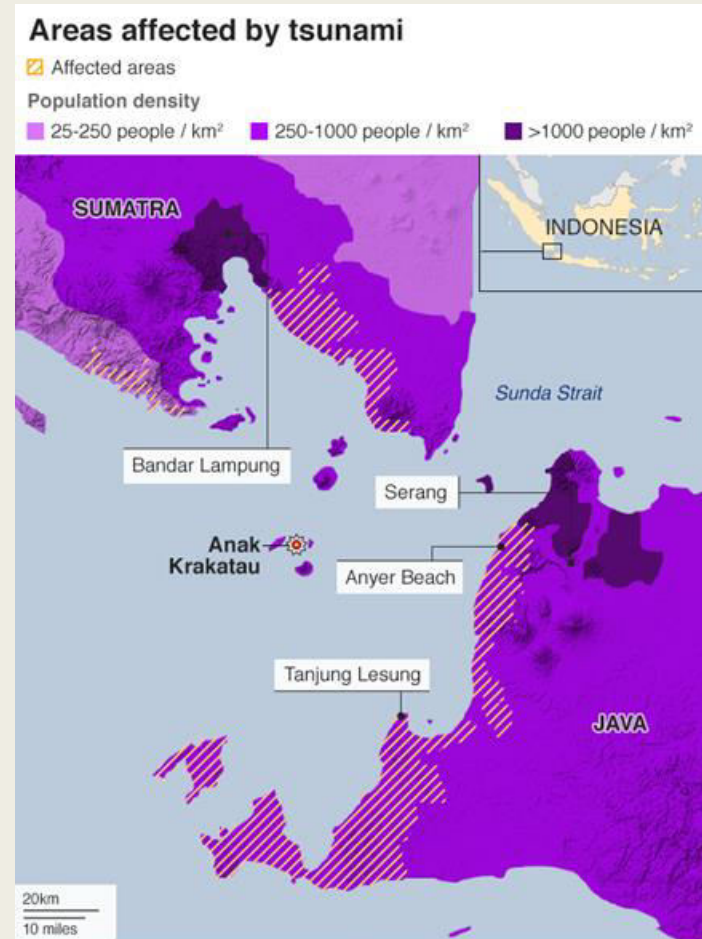
Overview of the Disaster

- Tsunamis are natural, sudden onset, and unpredictable location disasters.
- Anak Krakatau, is an island in Sunda Strait situated between the islands of Java and Sumatra in the Indonesian province of Lampung.
- The tsunami was caused by the collapse of a 64-hectare (158-acre) section of the Anak Krakatau volcano, sending millions of tonnes of rocky debris into the sea, pushing out waves in all directions.



Overview: Affected Regions

- Anyer Beach
- Tanjung Lesung
- Mutiara Carita
- Sambolo Beach
- Rakata Island



Overview of the Disaster

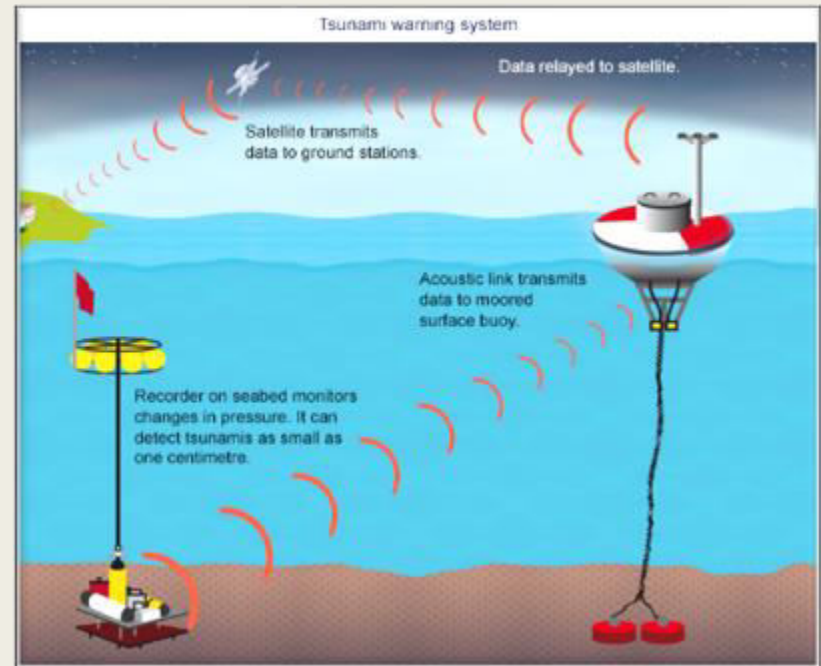


- On December 22, 2018, tsunami waves hit the coasts of the Indonesian islands Sumatra and Java, killing more than 400 people.
- Over 1400 people were reported to be injured.
- The waves have ruined 69 hotels and villas as well as 60 food stalls and stores.

**The
Guardian**

Precautions

- Tsunami warning buoys were positioned to warn of tsunamis originated by earthquakes at underwater tectonic plate boundaries.
- Citizens were prepared for evacuation since Indonesia is essentially surrounded by the majority of Earth's subduction zones, making it a place for volcanoes and frequent earthquakes.



Disaster Management



Research and rescue teams were formed.




Volunteers helped for cleaning the rubble as well as research and rescue.



Homeless people were moved temporarily to nearby settlements.



<https://www.bbc.com/news/world-asia-46674490>



+Tsunami
warning
system

+Evacuation
prepared
citizens

-Warning
system was
inadequate

-Fragile
buildings

What
was
Right/Wrong?

Lessons Learned

- *Even with tsunami warning systems, shorelines are subject to the dangers of tsunamis.*
- *The huge masses from volcano eruptions might cause tsunamis, therefore other types of warning systems should be considered in addition to seismic warning.*
- *Tsunami resistant buildings can save lives.*
- *Ignoring volcano eruptions can have consequences.*

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