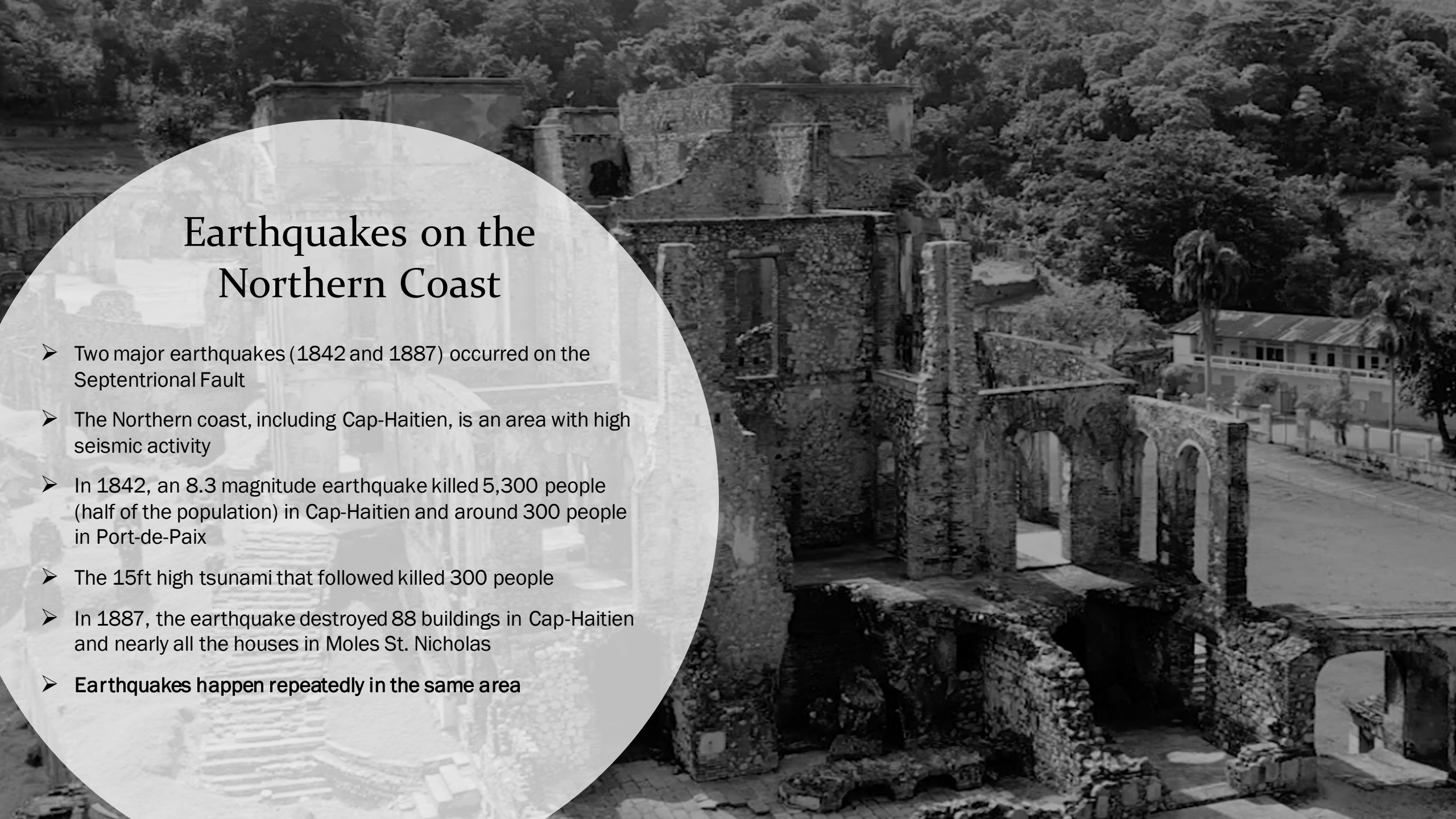


Overview

- Explains risks and major impact of next major earthquake along the Northern coast of Haiti
- Explores the preventive measures that must be taken in order to minimize the danger, the numbers of deaths and damages.

Earthquakes on the Northern Coast

- Two major earthquakes (1842 and 1887) occurred on the Septentrional Fault
- The Northern coast, including Cap-Haitien, is an area with high seismic activity
- In 1842, an 8.3 magnitude earthquake killed 5,300 people (half of the population) in Cap-Haitien and around 300 people in Port-de-Paix
- The 15ft high tsunami that followed killed 300 people
- In 1887, the earthquake destroyed 88 buildings in Cap-Haitien and nearly all the houses in Moles St. Nicholas
- **Earthquakes happen repeatedly in the same area**



Two Threatening Faults

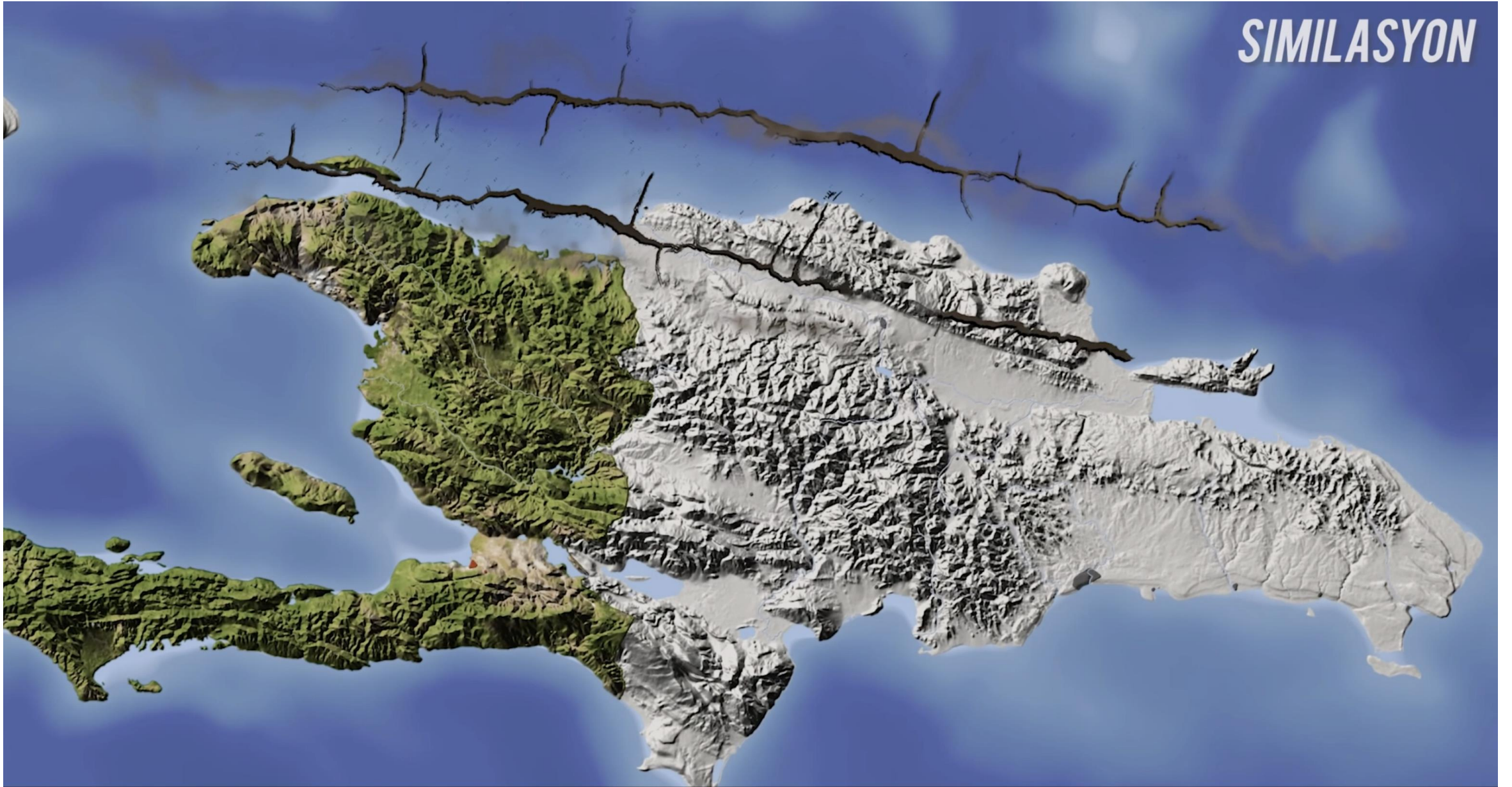
From North Coast of Haiti to DR (Cibao area)

- **Fault Septentrional**
- **Fault North Hispaniola** known as Subduction Fault
 - Poses bigger danger because of tsunamis

Why

- When fault breaks it accumulates energy, and the release of that energy generates an earthquake. The more the focus or hypocenter (where fault ruptures underground) of the earthquake is near the surface, the more powerful and dangerous the earthquake is.

SIMILASYON



Impact of a 5.9 Magnitude Earthquake on Nord-Ouest and Artibonite

- 18 people died
- 548 people injured
- 1,417 houses destroyed
- 9,717 houses damages
- 70 schools damaged or destroyed

Source: <https://reliefweb.int/report/haiti/unicef-haiti-earthquake-humanitarian-situation-report-18-october-2018>

October 6, 2018

The latest
warning!

The Impact of the Next Earthquake on the Northern Coast of Haiti

- Fault Septentrional and North Hispanola
- Can Cap Haitien and the Northern Coast survive another shock?
- Northern Coast: 760,000 people and 95,000 homes
- Expected up to 60% of the homes could be damaged
- Estimates: about 75,000 people dead + 375,000 people injured
- Potential tsunamis

SIMILASYON



Preventive Measures

- **Inform and prepare the public for the next earthquake**
- **Provide message on radios and TVs to alert the public on what to do during earthquake**
- **Educate the population on what to do to help/Engage people at the community level**
- **Conduct evacuation simulation/drill, with adequate Evacuation Centers**
- **Develop a comprehensive disaster relief/recovery plan, w/ an implementation strategy**
- **Develop a cadre of qualified emergency technicians and specialists**
- **Better construction of the houses, schools, hospitals, and other buildings**

Cont./...



Preventive Measures (cont.)

- Develop policies and programs to **better control construction**, including building codes implementation as well as permitting, inspection and approval.
- **Comprehensive training** of engineers and construction technicians, as well as owners
- Integration of **earthquake education** into our school curriculum at all levels
- Upgrade and maintain the **Earthquake Monitoring Center** at Bureau des Mines
- Create/implement a **comprehensive public housing program** with quality construction
- Encourage **development of new products (education and tech)** to address problems

Se pa pè pou nou pè, se pare pou nou pare.

Let's not be afraid, instead let's get ready.

N'ayons pas peur, préparons-nous plutôt.

Thank You!

Watch the full documentary at:

Goudougoudoufilm.com

For more information on the Gedeon Empowerment Project:

www.Gedeonep.org

Also on:



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