

Stevens Institute of Technology Summer Project

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Disaster Timeline



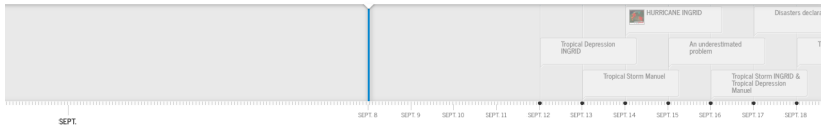
Natural disasters 2013

In September of 2013 two hurricanes category 1 in the Saffir-Simpson scale, affected 19 of the 31 states in Mexico. Even though both tropical storms were not as destructive as other hurricanes (scales 3-4) the interaction between storms (one in the Pacific Ocean and the other at the Atlantic Ocean) was catastrophic.



SEPTEMBER 12,
2013
Tropical Depression
INGRID

WWW.CNN



Follow the Disaster Time Line to learn more about the evolution of Ingrid and Manuel tropical storms.

Working plan

Plan A

- ▶ Analyze information flows using Newspaper, TV and radio data.
- ▶ Correlation of online activity with damage and loss metrics.
- ▶ Accompanying interactive visualization tools

Plan B

- ▶ Analyze population mobility using Twitter data.
- ▶ Correlation of online mobility with precipitation data.
- ▶ Correlation of online mobility with damage and loss metrics.
- ▶ Accompanying interactive visualization tools

Workflow

The workflow of the project is the following:

