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Session 3: Geospatial Challenges in Responding to Urban Disasters

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**Geospatial Information for the evaluation of damage related to Natural disasters.
Some cases in Mexico**

Abstract

Given its geographic location, Mexico is subject to a huge variety of phenomena that can cause disasters. First of all, Mexican coastal strip of the Pacific is part of the Ring of Fire, and that makes two-third parts of the country to be on risk of significant earthquakes. Additionally, the territory is often affected by hydro meteorological phenomena that are generated both at the Pacific and at the Atlantic, because of its inter tropical location.

In front of the occurrence of these events, INEGI offers to society the integration of statistical and geographical information in order to assist the evaluation of damage and in mitigating the effects caused on population and infrastructure.

We show some cases that occurred in last 15 years like; Puebla in 1999, Tabasco in 1999, Estado de México in 2000, Baja California Sur in 2003, Puebla in 2010 and the recent events occurred in Guerrero on past September. With these examples, we can prove the importance of having information about territory, population and the economy for better decisions making.