

# Change, Global Warming, Tsunamis, Earthquakes and the Role of the CTBTO

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There is a heated debate in the scientific community about possible effects of changes on the planet's surface due to global warming, frequency and magnitude of earthquakes, and tsunamis triggered by earthquakes. Some studies point to seasonal modulations of deep slow slip and earthquakes in the main thrust of the Himalayas or increased risks at coastlines. One aspect that everyone seems to agree on is the instantaneity and level of destruction. Adding to the danger is that each State is responsible for issuing warnings to its population through National-Tsunami-Warning-Centres or similar authorities. The decision to issue an alert is based on its own analysis of the situation. Along with earthquake alerts, CTBTO has provided valuable tools and knowledge to improve research and development content in this area.

This study evaluates the advances of the States that are affected by earthquakes, that have coasts in the Caribbean, that could be negatively affected by the foreseeable actions of Climate Change, to guide the technological prospective actions in the creation of their own alert centres for climate change, earthquakes, tsunamis and the interaction of these as a large network that might be led by CTBTO.

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## Promotional text

Facing risks with bold decisions of the scientific community by using the available tools and knowledge

## Oral preference format

in-person

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