



CONCEPT NOTE

Title: Learning Lab 1, Disaster Impact Modelling

Date and time: Monday, November 1, 2021 (Day 1)

3:30 PM- 4.30 PM Jamaica time, Eastern Standard Time Zone (Jamaica, Panama, Mexico, Peru)

Venue: Virtual

Lead organization: United Nations Office for the Coordination of Humanitarian Affairs (OCHA)

Co-lead organizations: Coordination Center for the Prevention of Disasters in Central America and the Dominican Republic / Centro de Coordinación para la Prevención de los Desastres en América Latina y República Dominicana (CEPREDENAC)

Contributing Agencies: OCHA, CEPREDENAC, CDEMA

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GOALS

The purpose of this Learning Lab is to develop an understanding of Disaster Impact Modelling. More specifically, this session pursues the following objectives:

Understand Disaster Impact Modelling's functioning, outreach, outputs, and incidence on the decision-making process regarding prevention, mitigation and response.

Expose the audience to different options of Disaster Impact Modelling and capture reactions and challenges linked to practical application.

Increase participants' knowledge of key information resources on disaster-related data. Identify examples, models, and best practices from the LAC region.

MEASURABLE OUTCOMES

The Sendai Framework for Disaster Risk Reduction 2015-2030 outlines four priorities for action to prevent new and reduce existing disaster risks:

1. Understanding disaster risk;
2. Strengthening disaster risk governance to manage disaster risk;
3. Investing in disaster reduction for resilience and;
4. Enhancing disaster preparedness for effective response and to "Build Back Better" in recovery, rehabilitation, and reconstruction.

The Learning Laboratory will contribute specifically to:

Understanding disaster risk, by

- a. Enhancing the development and dissemination of methodologies to strengthen disaster risk modeling, assessment, mapping, monitoring, and multi-hazard early warning systems.
- b. Promoting/enhancing the understanding of multi-hazard disaster risk and the importance of developing regional disaster risk assessments and maps, including climate change scenarios.

Enhancing disaster preparedness for effective response, by

- a. Integrating knowledge and information to analyse, evaluate and estimate possible impacts of disaster events at local and regional level, even when limited information is available.

The results of this session will be documented in a report that will include at least 3 key recommendations.

GENERAL DESCRIPTION

The implementation of the Sendai Framework at regional and sub-regional level could not be more relevant in Latin America and the Caribbean. A region highly vulnerable to disasters and characterized as the second most disaster-prone area globally.

This session aims to contribute to the implementation of the Sendai Framework by promoting the use and dissemination of evidence-based tools, including data on multi-risk models. The goal is to identify trends and risks through a multi-stakeholder engagement at several levels in mitigation, preparedness, response and recovery.

QUESTIONS THAT THE SESSION WILL SEEK TO ANSWER

1. What is Disaster Impact Modelling?
2. How does it work? What are the requirements to use Disaster Impact Modelling in the organizations and use them in LAC?
3. What is the benefit of implementing Disaster Impact Modelling? What challenges and opportunities do organizations encounter in the implementation of Disaster Impact Modelling?
4. What are the trends in the LAC region the humanitarian community should be aware of in order to strengthen disaster preparedness in the region?
5. Which are the key indicators and how can they practically inform decision-making?