# Parliamentary Action for Disaster Risk Reduction and Preparedness in the Caribbean

Resilience Infrastructure: the Urgency from Legislation and Institutional Architecture to Cope with Disasters

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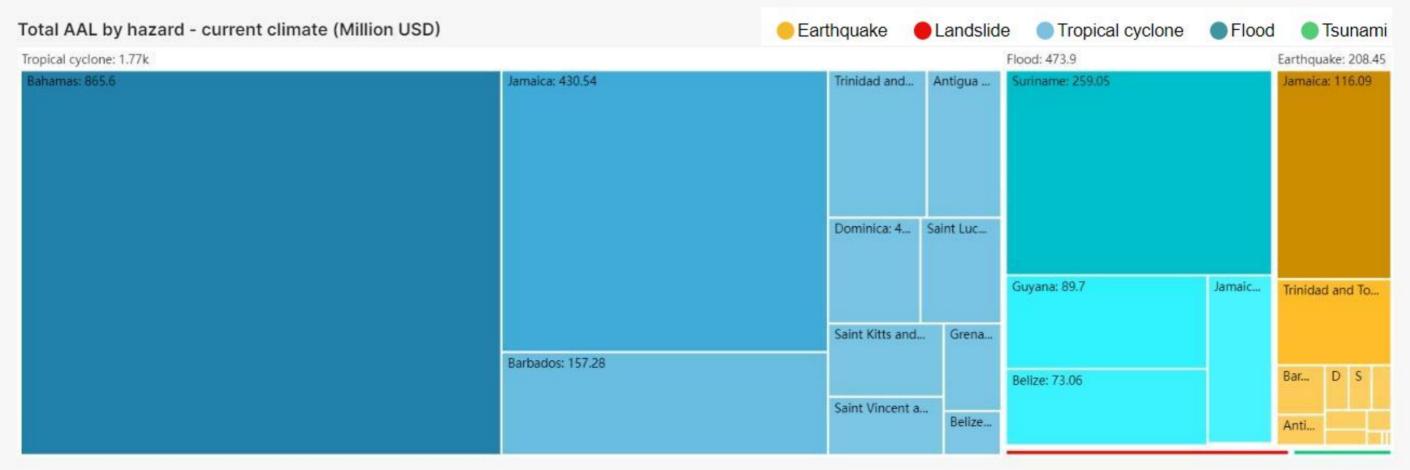




#### **Average Annual Losses: GIRI**

"Average Annual Losses" (AAL) refers to the estimated average monetary losses a country might expect to face annually due to a specific set of hazards (such as earthquakes, floods, or storms). AAL is calculated based on probabilistic risk assessments that take into account historical hazard data, vulnerability, and exposure.





#### **Advancing in Disaster Risk Reduction**



A. REDUCE DISASTER MORTALITY

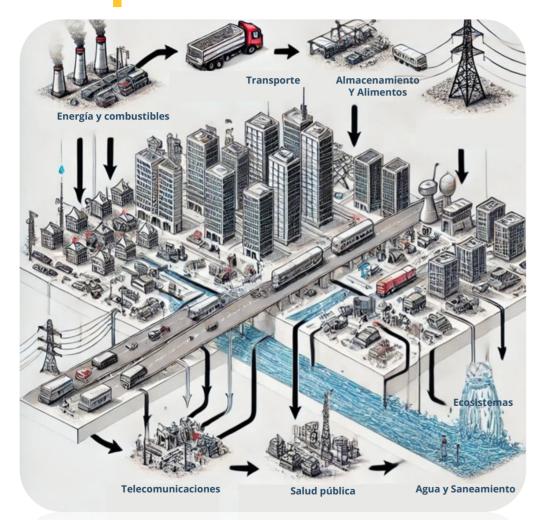
**B. REDUCE THE NUMBER OF AFFECTED PEOPLE** 

**C. REDUCE DIRECT ECONOMIC LOSS** 

D. REDUCE DISASTER DAMAGE
TO CRITICAL INFRASTRUCTURE
AND DISRUPTION
OF BASIC
SERVICES



#### Resilient Infrastructure Systems



System of systems

ensure that critical services do

not stop, protecting both society

and the environment.

They ensure **continuity and adaptability** in any phase of disruption.

#### **Principles for Resilient Infrastructure**



Principle 1 (P1)

#### **Continuously learning**



The goal to develop and update understanding and insight into infrastructure resilience.

Principle 2 (P2)

#### **Proactively protected**



The goal to proactively plan, design, build and operate infrastructures that are prepared for current and future hazards.

Principle 3 (P3)



### **Environmentally integrated**

The goal is to work in a positively integrated way with the natural environment.

Principle 4 (P4)

#### Socially engaged



The goal to develop active engagement, involvement, and participation across all levels of society.

Principle 5 (P5)

#### **Shared responsibility**

The goal to share information and expertise for coordinated benefits.

Principle 6 (P6)

## nsforming 4

#### **Adaptively transforming**

The goal to adapt and transform to changing needs.

#### **Key Messages**

Resilience Infrastructure: the Urgency from Legislation and Institutional Architecture to Cope with Disasters

The resilience of critical services provided by national infrastructure has never been more important.

There is strong evidence that investment into infrastructure resilience is economically justified.

Move from Words into Actions

It is an opportunity to advance risk-informed decision-making