



PDC | GLOBAL



NATIONAL DISASTER PREPAREDNESS

**Baseline
Assessment**

**Better solutions.
Fewer disasters.
Safer world.**

Program Overview

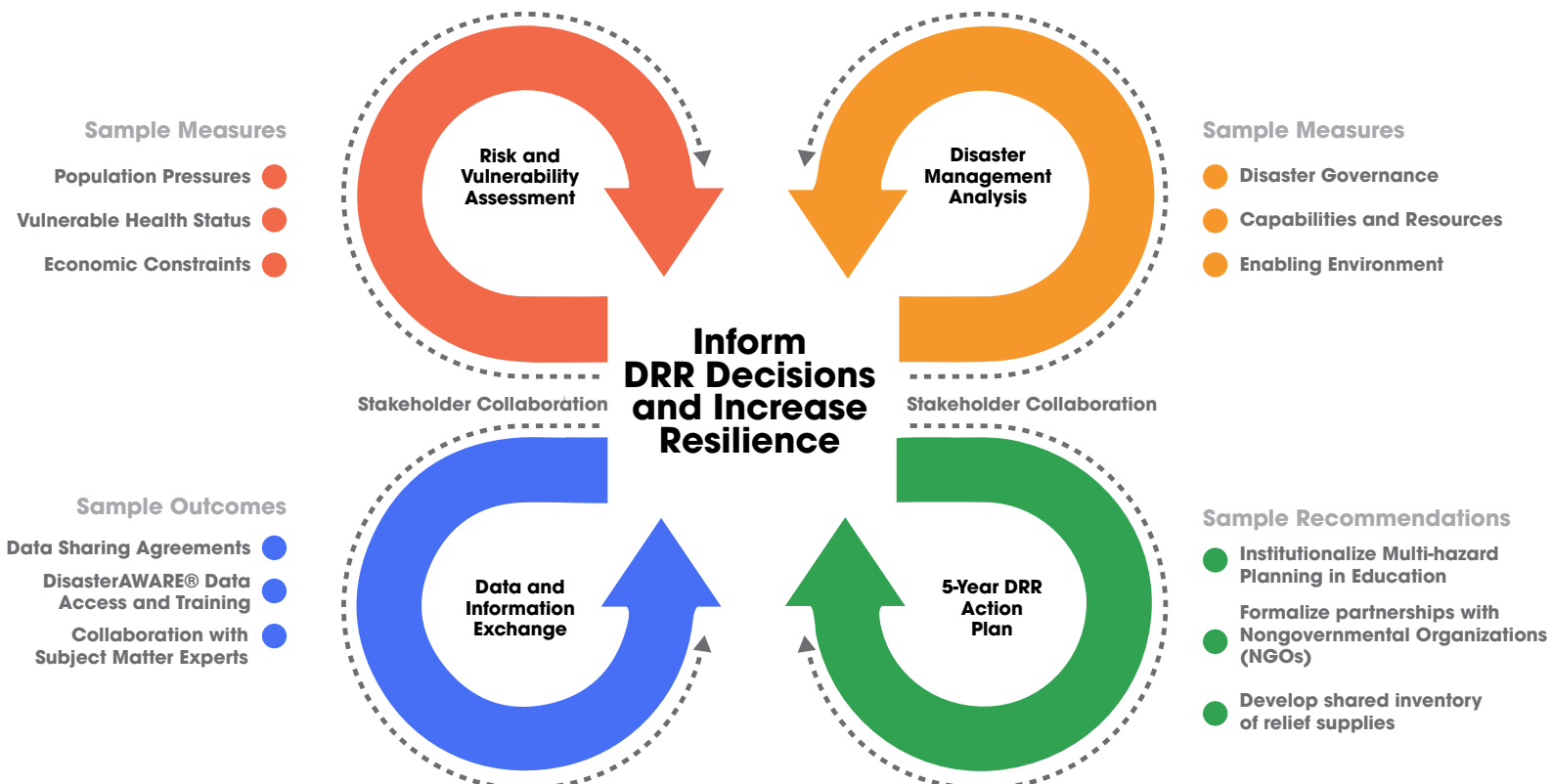
PDC's National Disaster Preparedness Baseline Assessment (NDPBA) is more than just an assessment, it's a sustainable system for accessing, understanding, updating, and applying critical risk information in decision making. The NDPBA provides the necessary tools, scientific data, and evidence-based practices to effectively reduce disaster risk—informing decisions at the national, subnational, and local level.

Using a collaborative, stakeholder-driven approach, PDC integrates national priorities and stakeholder feedback throughout every step of the process. Our process includes a Risk and Vulnerability Assessment (RVA) which examines several components of risk including exposure to hazards, vulnerability, coping capacity, and existing disaster management capabilities. These findings are further reviewed through the lens of PDC's unique Disaster Management Analysis (DMA). The DMA contextualizes the RVA and guides recommendations designed to increase resilience and reduce disaster risk. Findings of this analysis are compiled into a Disaster Risk Reduction (DRR) Plan offering practical actions to be taken over a five-year period.

NDPBA Benefits

- 
- Encourages multi-agency cooperation and strengthens disaster management networks
 - Provides necessary tools and data for disaster monitoring
 - Promotes risk-informed decision making and sustainable development
 - Aligns capacity development efforts with priority needs
 - Supports commitments under the United Nations Sendai Framework for Disaster Risk Reduction

Our Process at a Glance

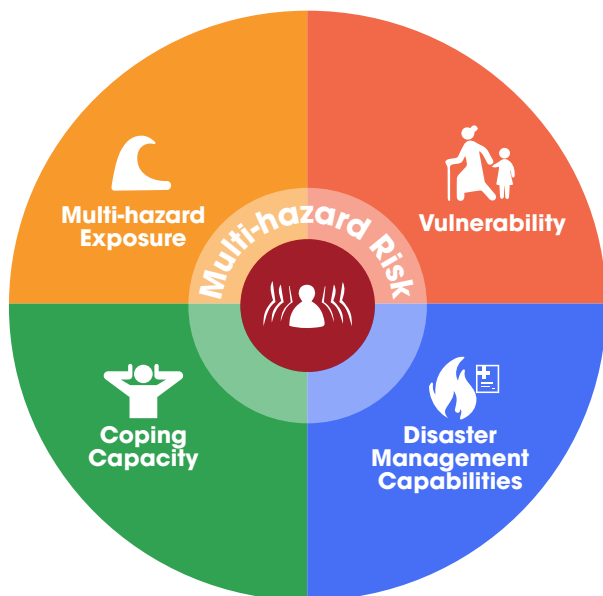


RISK AND VULNERABILITY ASSESSMENT METHODOLOGY



PDC's Risk and Vulnerability Assessment (RVA) measures the social, cultural, and economic drivers of risk at the national and subnational level—conceptualizing risk as a function of Multi-Hazard Exposure, Vulnerability, Coping Capacity, and Disaster Management Capabilities.

Components of Risk



Multi-hazard Exposure



Cyclone



Earthquake



Tsunami



Flood



Landslide



Volcano

*Hazard selection is specific to each location and identified jointly with stakeholders.

Vulnerability

Subcomponents



Population pressures



Gender inequality



Economic constraints



Information access



Clean water access



Health status



Environmental stress

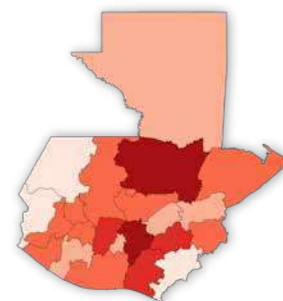


Conflict



Recent disaster impact

Multiple Indicators



Infant Mortality Rate

7.79 - 9.98

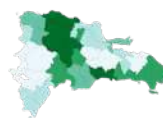
9.99 - 11.94

11.95 - 16.45

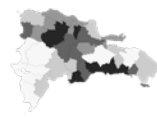
16.46 - 21.23

21.24 - 38.16

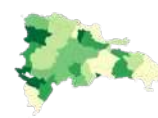
Coping Capacity



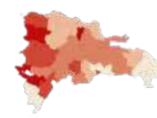
Coping Capacity



Infrastructure Index



Healthcare Capacity Index



Hospital Beds per 10,000 Persons

Disaster Management Capabilities



Early Warning and Monitoring



Mass Care Support



Disaster Finance

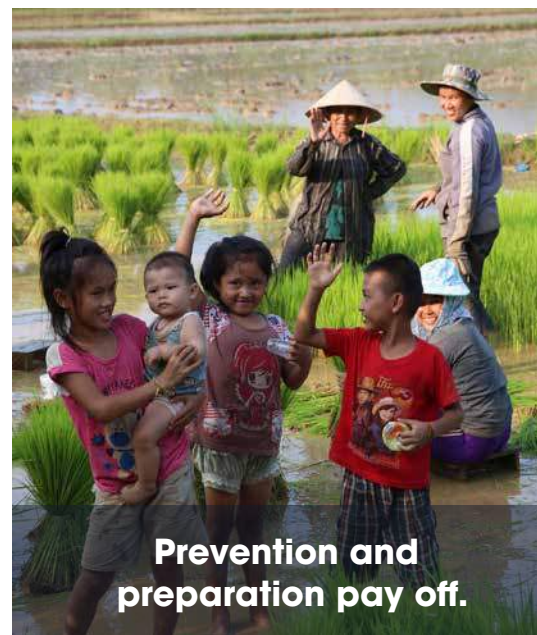
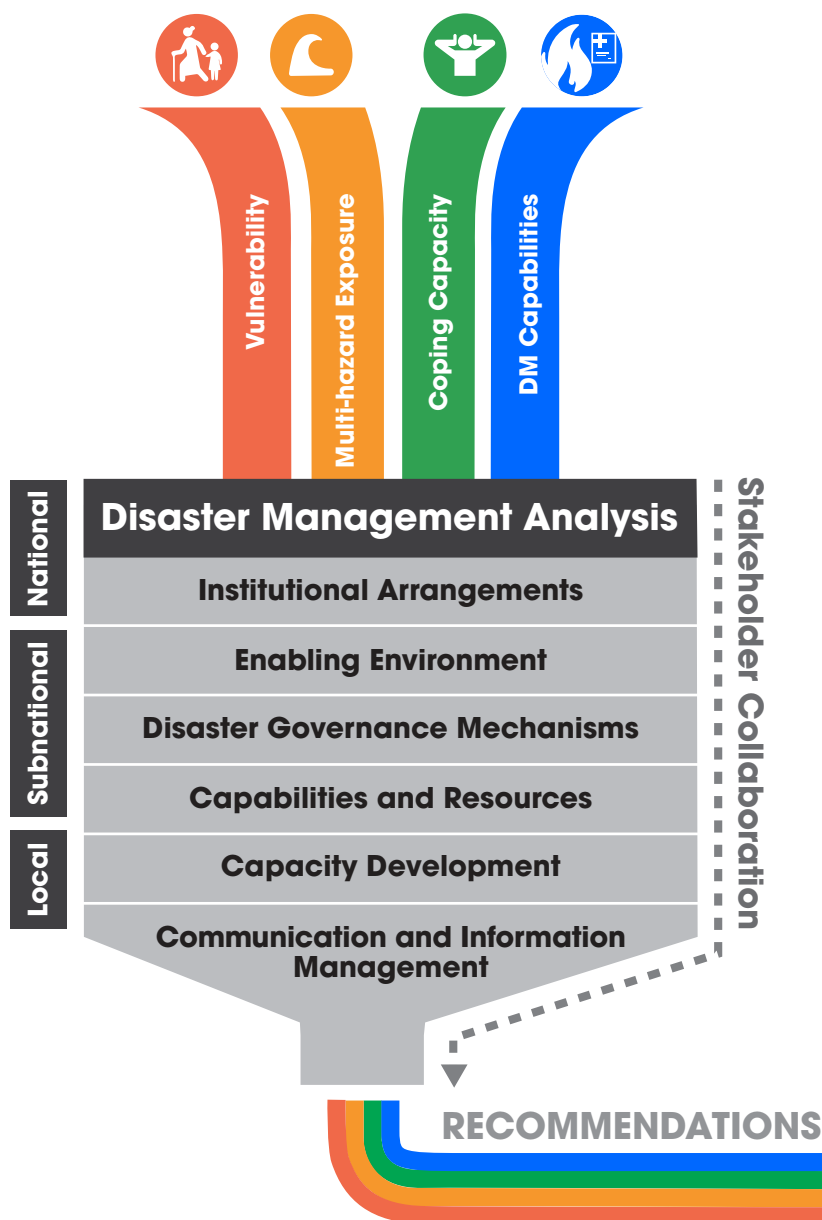


Emergency Services

DISASTER MANAGEMENT ANALYSIS METHODOLOGY

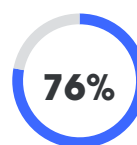
PDC's Disaster Management Analysis (DMA) enables more effective prioritization of risk-reduction and resilience-building initiatives. Taking into consideration diverse community needs, operational successes and barriers, the analysis produces recommendations designed to strengthen capabilities and reduce losses.

RISK AND VULNERABILITY RESULTS



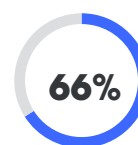
SAMPLE RESULTS

Disaster Governance Mechanisms



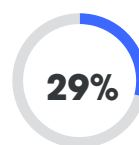
Plans and Processes

Municipalities with formal response plans



Command and Control

Incident command systems in place



Infrastructure

Sole-use and purpose-built emergency operations center

Recommendations

01 Support EOC staffing and procurement

Complexity:

Years
0 5

Cost:
\$\$

Return on Investment:
High

02 Establish incident management system implementation requirements

Complexity:

Years
0 5

Cost:
\$

Return on Investment:
Medium

PDC PRIORITY PARTNER BENEFITS



When you partner with PDC on the National Disaster Preparedness Baseline Assessment (NDPBA) you gain access to PDC's premium support services and products. Benefits include:

**24/7
Response
Support**

**DisasterAWARE
Data Access &
Training**

**Advanced
Hazard Exposure
Modeling**

**Access to PDC
Subject Matter
Experts**

Applying Results

- +** Form a foundation for long-term data sharing and monitoring to support disaster risk reduction.
- +** Enhance decision making through improved access to temporal and spatial data and all assessment results through PDC's DisasterAWARE decision support platform.
- +** Provide evidence to support policies and programs that increase resilience.

Partnering around the globe to reduce disaster risk.



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Natural disasters have the potential to cause tremendous suffering and perpetuate generations of social inequality and economic instability, especially for resource-limited economies. This assessment and the partnership between PDC and Nicaragua to reduce disaster risk should be recognized as an international model of cooperation that achieves numerous priorities of the United Nations' Sendai Framework for Disaster Risk Reduction.

Laura Dogu
U.S. Ambassador to Nicaragua

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