



# NATIONAL DISASTER PREPAREDNESS

Baseline  
Assessment



**Safer  
world.**

# Program Overview

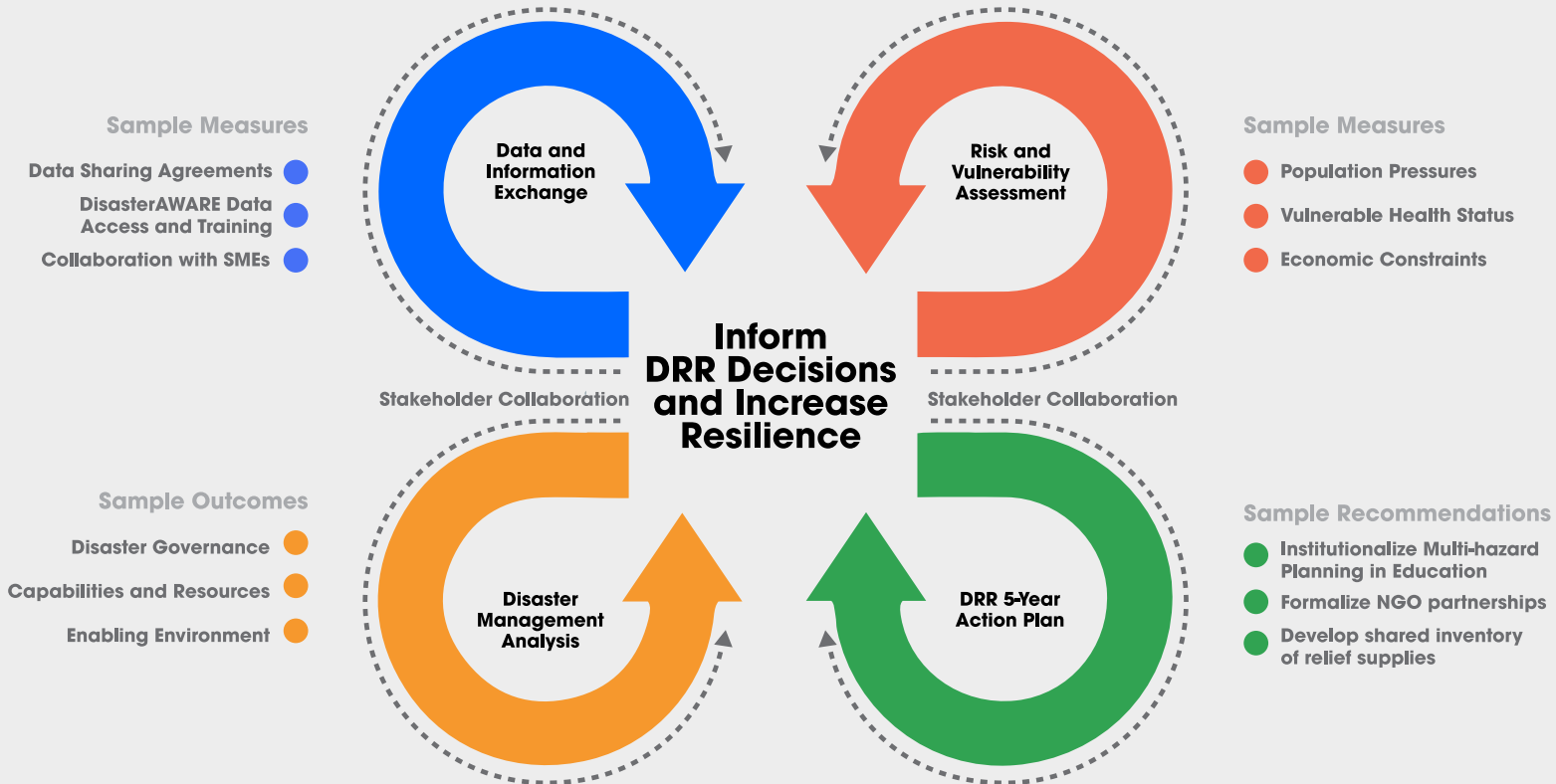
PDC's National Disaster Preparedness Baseline Assessment (NDPBA) is more than just an assessment. It's a sustainable system for accessing, understanding, updating, and applying critical risk information in decision making. The NDPBA provides the necessary tools, scientific data, and evidence-based practices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

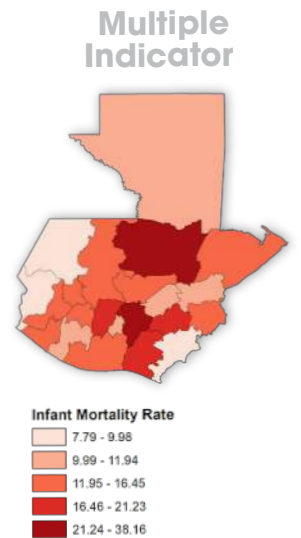


Hazard selection is specific to each location and identified jointly with stakeholders.

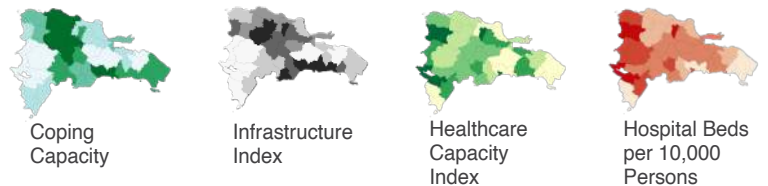
### Vulnerability

#### Sample Subcomponents

- Population pressures
- Gender inequality
- Economic constraints
- Information access
- Clean water access
- Health status
- Environmental stress
- Conflict
- Recent disaster impact



### Coping Capacity



### Disaster Management Capabilities

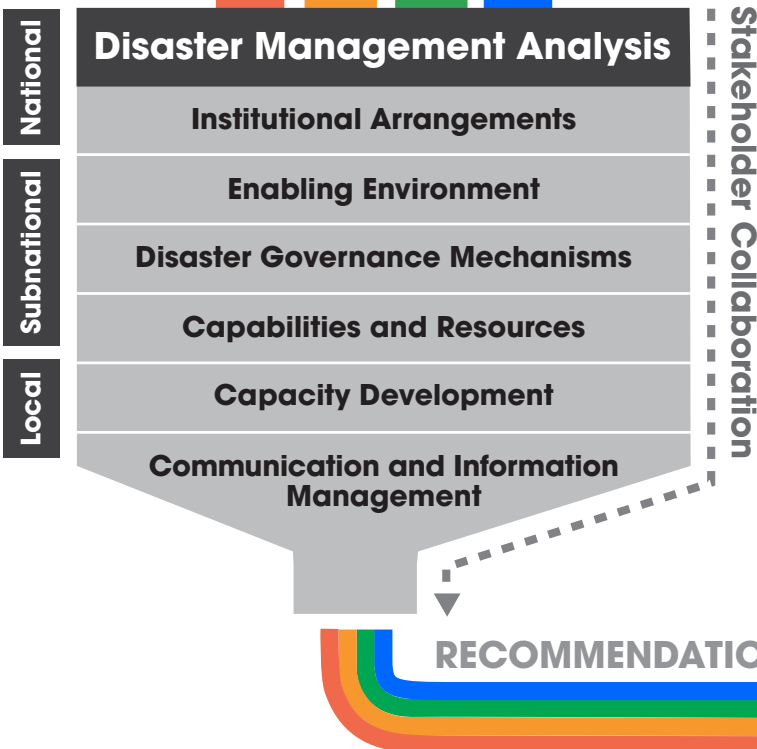
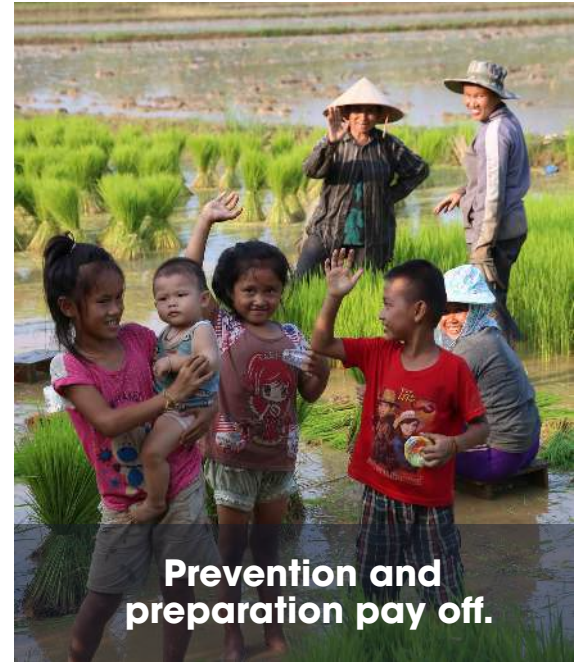
- Early Warning and Monitoring
- Mass Care Support
- Disaster Finance
- Emergency Services



# 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 FINDINGS & RECOMMENDATIONS



### Plans and Processes

National disaster management structure and plans



### Command and Control

Incident command systems in place



### Emergency Operations

Sole-use and purpose-built EOC

## DMA Recommendations

**01** Update national plans

Complexity:



**02** Establish incident management system implementation requirements

Complexity:



**U.N. SENDAI FRAMEWORK**  
 Priorities for Action: 1,2,4  
 Global Target(s): A, B, C, E

**PARIS AGREEMENT**  
 Articles 7.1, 8.1

**U.N. SUSTAINABLE DEVELOPMENT GOALS**  
 13

# PDC PRIORITY PARTNER BENEFITS

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

Response Support

DisasterAWARE® Data Access & Training

Advanced Hazard Exposure Modeling

Access to PDC Subject Matter Experts

## Operationalize 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.



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  
(2015-2018)

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Fewer disasters.

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