

# A PORTFOLIO-LEVEL VULNERABILITY **ASSESSMENT AND INVESTMENT** PRIORITIZATION TOOL

#### **CHALLENGES**



Governments often don't have the means to determine strategic investment needs at the portfolio level



Risk assessments and prioritization activities are costly and take 2-3 years



Asset-level data is limited or not available

Can we develop a method/tool to scan the infrastructure portfolio quickly?









# RESILIENT INFRASTRUCTURE SCORECARD AND INVESTMENT GOALS

- A high-level quick scan/assessment tool
- Works with limited/basic publicly available data and with detailed data
- Relatively simple avoiding sophisticated simulations and models
- Low cost



#### **Hazards**

- Earthquakes
- Landslides
- Floods
- Hurricanes



#### Infrastructure Sectors

- Schools
- Hospitals
- Roads and Bridges
- Drinking water system



#### **Pilot Countries**

- Belize
- Costa Rica
- Ecuador
- Grenada
- St. Lucia









#### STRATEGIC INVESTMENT OPTIONS TO REDUCE INFRASTRUCTURE VULNERABILITY IN PANAMA

#### INFRASTRUCTURE SECTORS ASSESSED





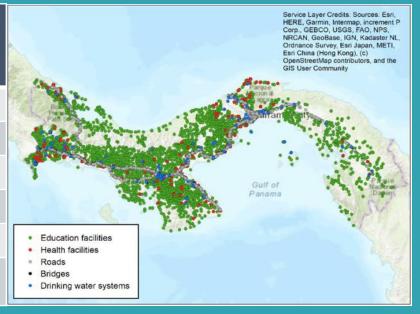






#### **SUMMARY OF RESULTS**

lu fua atuu atuu a		Estimated.			
Infrastructure Sector	Assessed Portfolio	High to severe impact level	Fair Condition	Estimated Investment need	
Education	2,985	735 (25.2%)	2985(100%)	\$234.8M	
Health	866	213 (24.6%)	866(100%)	\$119.25M	
Roads	2,343 km	1,506 km (64.3%)	1,281 km (54.7%)	\$1611M	
Bridges	529	18(3.4%)	529 ( 100%)	\$454.95M	
Drinking Water	106	7(6.6%)	106 (100%)	\$740.75M	
Drinking Water Pipes	Not assessed	Not assessed	Not assessed	Not assessed	



#### SECTOR SCORECARD

# STRATEGIC INVESTMENT OPTIONS TO REDUCE INFRASTRUCTURE VULNERABILITY IN PANAMA

#### HAZARDS ASSESSED









#### **SUMMARY OF RESULTS**

	Hazard Asseessed ID	Mild Impact	Moderate Impact	High Impact	Severe Impact
1	Landslides	0 (0%)	0 (0%)	0 (0%)	18 (3%)
1	Coastal Flooding	O (0%)	O (0%)	0 (0%)	O (0%)
1	Riverine Flooding	112 (21%)	0 (0%)	0 (0%)	0 (0%)
1	Hurricanes	529 (100%)	0 (0%)	0 (0%)	0 (0%)



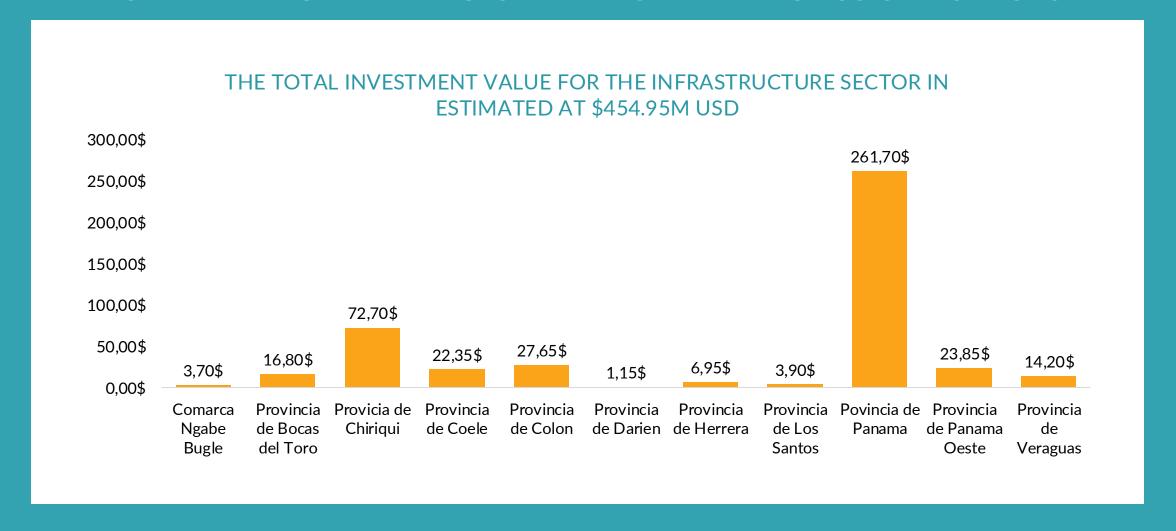
#### PRIOTARISED ASSETS ASSESSED

#### **SUMMARY OF RESULTS**

Time Horizon	Resources Allocated	Number of Prioritized Assests	Remaining assests for Intervention
Priority Group 1	\$383 M	441	88 (17%)
Priority Group 1	\$383 M	88	0 (0%)
Priority Group 2	\$383 M	0	0 (0%)



#### ESTIMATED INVESTMENT NEEDS ESTIMATED FOR THE INFRASTRUCTURE PORTFOLIO



# POTENTIAL APPLICATIONS







**INVESTMENT PRIORITIZATION AND** NARROWING PROGRAM SCOPE

INFRASTRUCTURE **GRADING** 

**CONTINGENCY LIABILITY ASSESSMENT** 











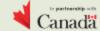
# RESILIENT AND RESPONSIVE PUBLIC FINANCIAL MANAGEMENT (PFM)

### **Institutions matter!**

Ministries of Finance are at the center of helping government prepare to respond to crisis















# THE CANADA CARIBBEAN RESILIENCE FACILITY HAS SUPPORTED PUBLIC FINANCIAL MANAGEMENT (PFM) REFORMS IN SMALL ISLAND STATES

Antigua and Barbuda: Emergency Procurement Rules and Procedures to guide the procurement of goods and services during emergencies.

Dominica and Saint Lucia: Support to the Supreme Audit Institution in conducting audits of disaster-related expenditures.

Grenada and Saint Lucia: Improve IT resilience by moving some procurement activities to an online digital government procurement platform.

**ANTIGUA AND BARBUDA DOMINICA** SAINT LUCIA **GRENADA** 

**Dominica:** Procedures for managing the Vulnerability, Risk, and Resilience Fund. Guidance on screening new investment proposals from climate change and gender quality perspectives.

Saint Lucia: Support new PFM act that includes provisions on managing public finances during disasters, development of the new PFM Regulations, Public Asset Management Policy, and Regulations that consider climate impacts on public assets.

Belize and Grenada: Support to identifying, measuring, and monitoring climate change expenditure.











BUILDING
DISASTER
RESILIENCE OF
PFM SYSTEMS
IN THE
CARIBBEAN
HAS INSPIRED
GLOBAL WORK

Building on the analytical work done in the Caribbean, we have identified eight critical areas of PFM deemed imperative to building disaster-resilient and gender-responsive PFM systems.











Disaster Resilient and Responsive Public Financial Management: An Assessment Tool



















## RESILIENCE

Enabling the continuation of services with minimal disruption.











#### Pillar #4

# DISASTER INFORMED PUBLIC INVESTMENT & PUBLIC ASSET MANAGEMENT

Come to the Technical Session at UR24 on:

Integrating Disaster Resilience into Public Investment Management











