

RESILIENT HORIZONS: THE DOMINICAN REPUBLIC'S MULTI-THREAT EARLY WARNING REVOLUTION



From Reactive Response to Anticipatory, Data-Driven Resilience

STRATEGIC IMPACT & REACH



5.83 M

People Protected

MT-EWS safeguards >50% of the population, targeting high-density urban centers in Greater Santo Domingo and Santiago.



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Critical Infrastructure Sectors Integrated

Water, Energy, Telecommunications, Housing, Transport.



1,330+

Historical Events Standardized

Centralized Registry aligns national data with Sendai Framework, enabling evidence-based policy making.



BEST PRACTICES IN GOVERNANCE



“Embedded Team” Model

Technical staff physically seconded to government offices, accelerating decision-making and ensuring informal knowledge transfer.



Sectoral Worktables

Multi-stakeholder tables transformed infrastructure managers into active partners in the early warning chain.



South-South Knowledge Exchange

Landmark collaboration with Mexico's National Center for Disaster Prevention (CENAPRED) allowed Dominican officials to benchmark their Risk Atlas against a mature regional model.

LESSONS LEARNED & ADAPTIVE MANAGEMENT

Technology Sovereignty

Developed new, sovereign code, ensuring the government's full IP ownership and avoiding vendor lock-in.

Technical Tools

GIS integration is moving steadily.

Decoupling Technical & Political Tracks

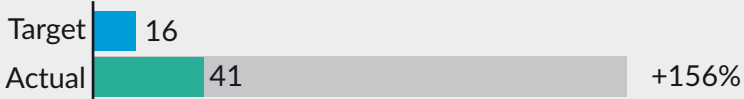
Advanced technical tools (GIS) in parallel with—rather than waiting for—long-term legislative restructuring to maintain momentum.

Reciprocity as a Data Catalyst

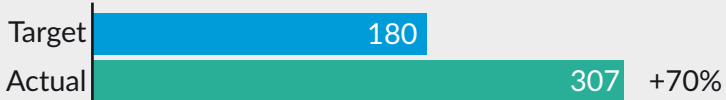
Agencies willing to share siloed data only after demonstrating how 'giving data' resulted in 'getting back' valuable risk analysis.

PERFORMANCE METRICS

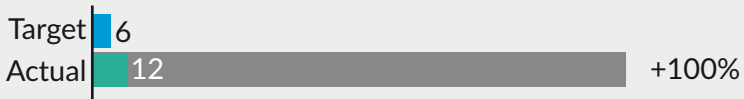
Stakeholders Engaged



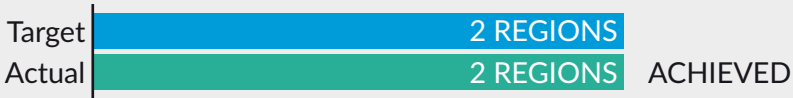
Personnel Trained



Training Sessions



Infrastructure Profiles



FUTURE POTENTIAL & CARIBBEAN REPLICABILITY

13 Strategic Recommendations

A comprehensive Roadmap provides a technical blueprint for expanding the MT-EWS capabilities.



Transition to National Ownership

Finalized Finance Options Catalogue identifies partnerships and national budget lines to sustain the system without donor dependence. (Includes Public-Private Partnerships and National Budgets).



Caribbean Replicability

The MT-EWS framework, specifically the RVEA methodology and 'Data Triangle' model (COE-ONE-IGN), serves as a gold standard for Small Island Developing States (SIDS).

