



Online Workshop on the Role of Telecommunications/ICTs for Disaster Risk Reduction and Management for the Americas

14th – 16th September 2021





IMPORTANCE OF PARTNERSHIPS FOR DISASTER RISK REDUCTION (DRR)

16th September 2021





Briefing Agenda

CDEMA – Who are we?

RRM – Regional Response Mechanism

ICT for DRR & DM advanced through Partnerships

2022 and Beyond





Who is CDEMA?

Caribbean Disaster Emergency Management Agency

Regional inter-governmental agency responsible for disaster management in the Caribbean Community (CARICOM).

Mobilise and coordinate disaster relief

Mitigate or eliminate the immediate consequences of disasters

Secure, coordinate and provide reliable and comprehensive information on disasters

Encourage disaster loss reduction and cooperative arrangements and mechanisms

Establish, enhance and maintain adequate emergency disaster response capabilities





CDEMA's Philosophy

Changing lives through CDM

CDEMA's Vision Statement A regional centre for Disaster Risk Management excellence and the preferred partner for a safe Caribbean

CDEMA's Mission Statement To empower Participating States, influence, collaborate and partner with other organisations, to build disaster resilience in the Caribbean

Master Strategy We will cultivate strategic partnerships which build national and regional capacity for CDM



CDEMA's Participating States











Comprehensive Disaster Management (CDM)



- CDM is the management of all hazards
- through all phases of the disaster management cycle
- by all peoples public and private sectors, all segments of <u>civil society</u> and the general population
- CDM involves risk reduction & management and
- integration of vulnerability
 assessment into the
 development planning process

THE CDM STRATEGY 2014-2024

Regional Goal: Safer more resilient and sustainable Caribbean States

Institutional Strengthening

DM Organizations (national and regional) Strengthened for Supporting and monitoring the advancement of DRM

CDM Integrated into policy, strategy, legislation

Development Partner Programming aligned

Strengthened Coordination for preparedness, response and recovery

Adequate resourcing of CDM Programming

Knowledge Management

Regional Network for Risk Informed Decision Making

Integrated System for fact-based decision making at all levels

Incorporation of Community and Sector Knowledge in Risk Assessments

Education and Training materials, standardized, improved and applied

Sector Integration

Strategic Disaster Risk
Management Programming for
Priority Sectors

Hazard Information integrated into development planning and programming for priority sectors

Incentive programs developed and applied for the promotion of risk reduction/CCA in infrastructure investment

Community Resilience

Standards for safe communities developed and applied

Community Based Disaster Management Capacity built/strengthened

Community EWS integrated, improved and expanded

Community Livelihoods safeguarded

Cross-cutting Themes

Gender

Climate Change

Information & Communication Technology

Environmental Sustainability





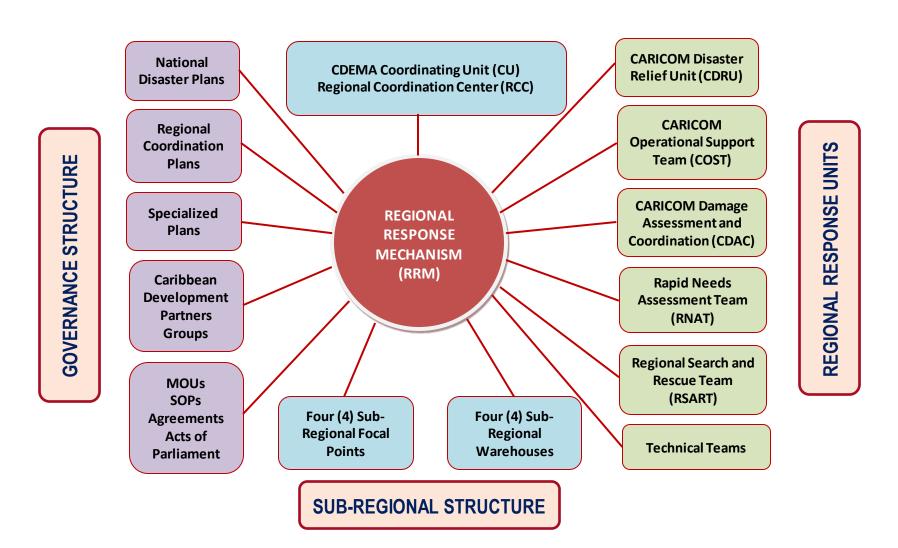


THE REGIONAL RESPONSE MECHANISM (RRM)



Resilient States - Safer Lives

Conceptual Framework for the RRM







ICT





Partnerships – Telecommunications/ICTs for DRR and DM























EMERGENCY TELECOMMUNICATIONS

Emergency Telecommunications Training

- Establishment of the CETT (CARICOM Emergency Telecommunications Team)
- Strengthen technical capacity of ICT responders.
- Deploy emergency telecommunication technologies used in emergency operations











Emergency Telecommunications





ICT SOLUTIONS

- Caribbean Risk Information System (CRIS).
 - GeoCRIS



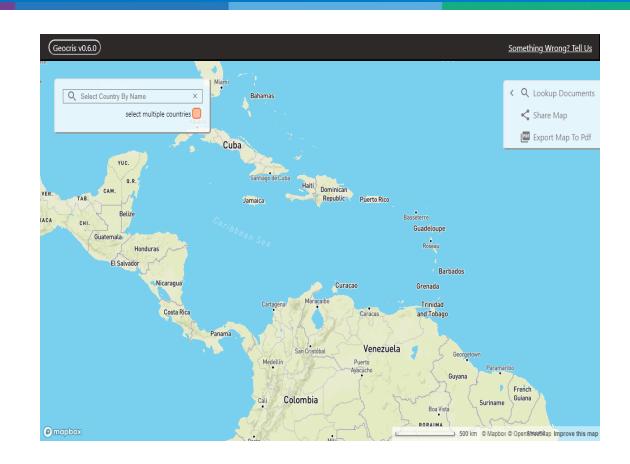
- CDEMA Logistics System (CLS)
 - Provides a means to coordinate and manage emergency logistics processes digitally





GEOCRIS

- Geospatial component of the Caribbean Risk Information System
- Provides access to geospatial data required for risk and hazard mapping
- Used for disaster preparedness and response operations.
- Partnership with World Bank Development).
- Partnership with MapAction & OCHA (Training).





CDEMA LOGISTICS SYSTEM (CLS)

- Designed to allow CDEMA to effectively coordinate and manage regional supply chains.
- The CLS platform enables visualisation of stocks and logistics capacities to coordinate and manage emergency logistics processes digitally.
- ❖ Used within the Integrated Regional Logistics Hub to Coordinate distribution of PPEs and La Soufriere Volcano Response.





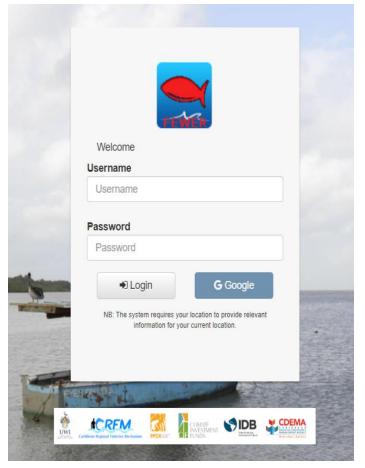


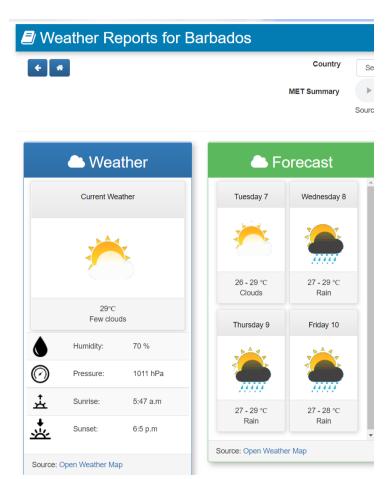




FEWER - Fisheries Early Warning and Emergency

Response System (https://ewer.fish)





- EWS application for Fishing Community
- Android-based App
- Developed for Caribbean Regional Fisheries Mechanism (CRFM)





2022 AND BEYOND FOR CDEMA

Emergency Telecommunications

- Continue to strengthen and expand redundancy in the communication systems that support national and regional response.
- Usage of LTE-based communication for in-country response.
 - Requires clear guidance on spectrum usage and availability





2022 AND BEYOND FOR CDEMA

Drones (formal inclusion)

- Situational Awareness
- Map production
- Search and Rescue

* GeoCRIS

- Mobile data collection for DANA
- Formalisation of Data Sharing Agreements & Relationships
- Re-design and development of the Databases component of the CRIS
- Geolocation of Social Media Hashtags on Disasters



