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OCEAN

OCEAN SCIENCE FOR A SUSTAINABLE DEVELOPMENT AGENDA

Flanders
State of the Art
20th Anniversary of
UNESCO-Flanders
Cooperation Agreement



CMA2

Caribbean Marine Atlas Phase 2

www.caribbeanmarineatlas.net



PROJECT OBJECTIVE

Operationalizing spatial data information based online digital platform to support the Integrated Coastal Zone Management – ICZM and ecosystem-based management for the major Caribbean ecosystems – Caribbean Large Marine Ecosystems.

GEOGRAPHICAL SCOPE



- BARBADOS** | Coastal Zone Management Unit
- BELIZE** | Ministry of Agriculture, Fisheries, Forestry, the Environment and Sustainable Development
- COLOMBIA** | Instituto de Investigaciones Marinas y Costeras INVEMAR (Coordinator)
- COSTA RICA** | Universidad Nacional de Costa Rica
- DOMINICA** | Ministry of Agriculture and Fisheries
- DOMINICAN REPUBLIC** | Ministerio de Medio Ambiente y Recursos Naturales
- GUATEMALA** | Instituto Nacional de Sismología, Vulcanología, Meteorología e Hidrología
- JAMAICA** | National Environment and Planning Agency
- MEXICO** | Instituto de Investigaciones Oceanológicas / Universidad Autónoma de Baja California
- PANAMA** | Autoridad de los Recursos Acuáticos de Panamá
- TRINIDAD & TOBAGO** | Institute of Marine Affairs
- TURCS & CAICOS ISLANDS** | Department of Environment and Maritime Affairs
- VENEZUELA** | Universidad Simón Bolívar, Laboratorio de Sensores Remotos



PROCESS



METHODOLOGY

1 TECHNOLOGY:
GeoNode is a content management system to manage and publish geospatial data.
Webpage: The platform (www.caribbeanmarineatlas.net) allows countries to manage their own content and information.

PRODUCTS

LAYERS
A set of national and global thematic layers to consult and/or download.

MAPS
A collection of static and interactive maps to consult, download or modify using layers stored.

CATALOGUE
A set of documents to consult as reports or publications related to spatial information stored in the platform, as well as external sources of information of the region.

- Global capture production
- Threatened species
- Invasive species
- Key ecosystems
- Coral health
- Extreme events effects
- Coastal economic activities
- Marine protected areas
- Sea level rise
- Coastal population change

SIGNIFICANT NUMBERS

13 pilot countries directly providing information
 Catalogue with 93 external sources of information and 52 documents
 866 cartographic layers
 19 maps
 10 indicators implemented
 > 1 000 records, each one with metadata based on ISO 19115
 34 GIS experts from different countries and entities, registered on platform and trained to manage national information from country pilots
 > 10 scientific and technical events in which the project was presented/disseminated
 2 484 platform users from 112 countries

COMMITMENTS

- Work in two languages (English-Spanish)
- Institution leader by country as National Focal Point
- Implementation of information standards and protocols (metadata)
- Permanent communication
- National and regional expert directory
- Self-management to upload national information to Atlas (layers and maps)
- Publishing indicators for country pilots CMA2 and CLME+

