

Working Group on Marine Geospatial Information

Caribbean Seas coral reef data for sustainable fishing, the Caribbean
Marine Atlas and the Meso
American Caribbean Sea Hydrographic Commission

March 7-9
Busan, Korea



UN-GGIM

United Nations Committee of Experts on
Global Geospatial Information Management

Working Group on
Marine Geospatial Information

Positioning geospatial information to address global challenges

ggim.un.org

Caribbean Marine Atlas Objective

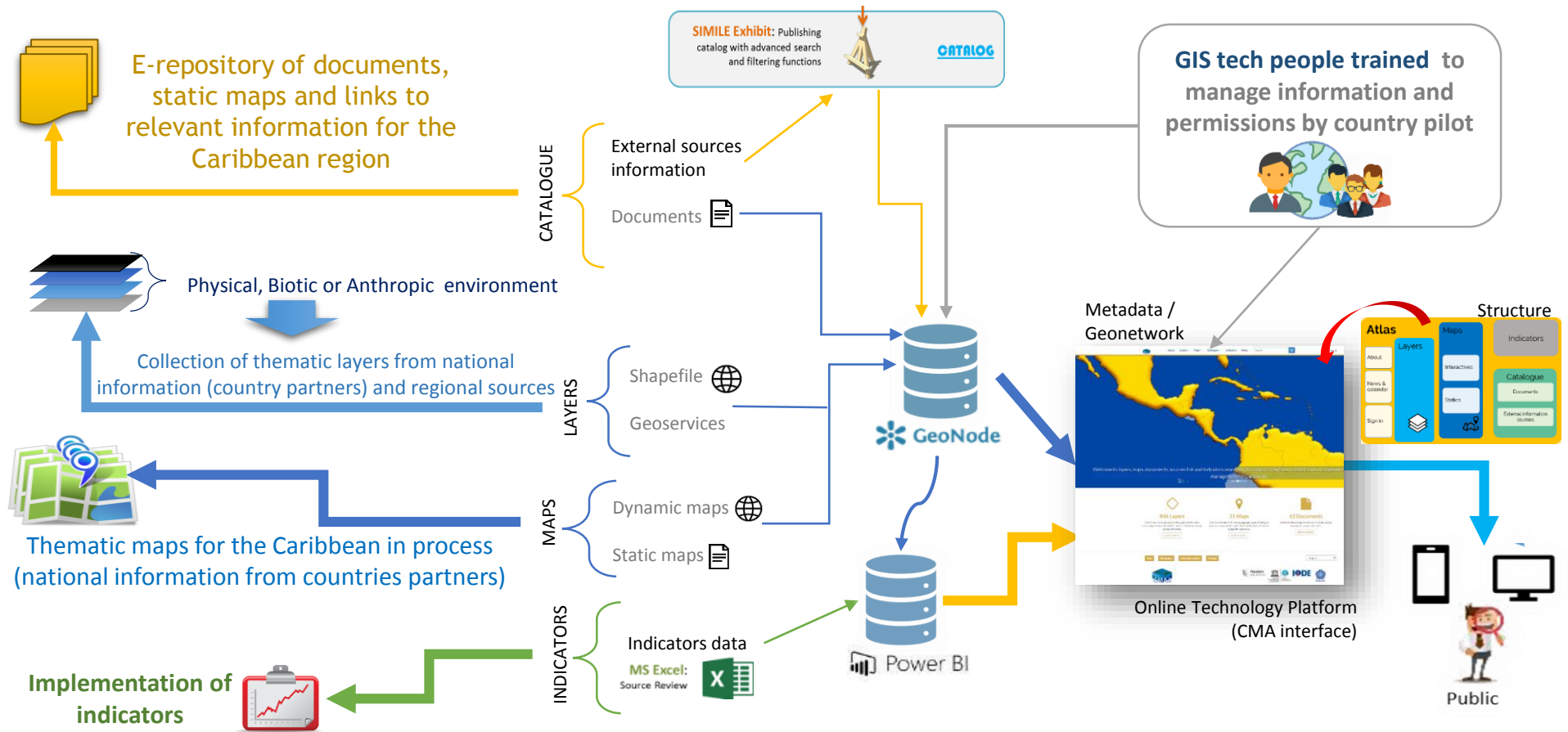


Since 2013, Caribbean Marine Atlas Phase 2 (CMA2) has been working on the operationalization of spatial data information by creating an online digital platform to support Integrated Coastal Zone Management – ICZM and Ecosystem-based Management - EbM for the major Caribbean ecosystems – Caribbean Large Marine Ecosystems.



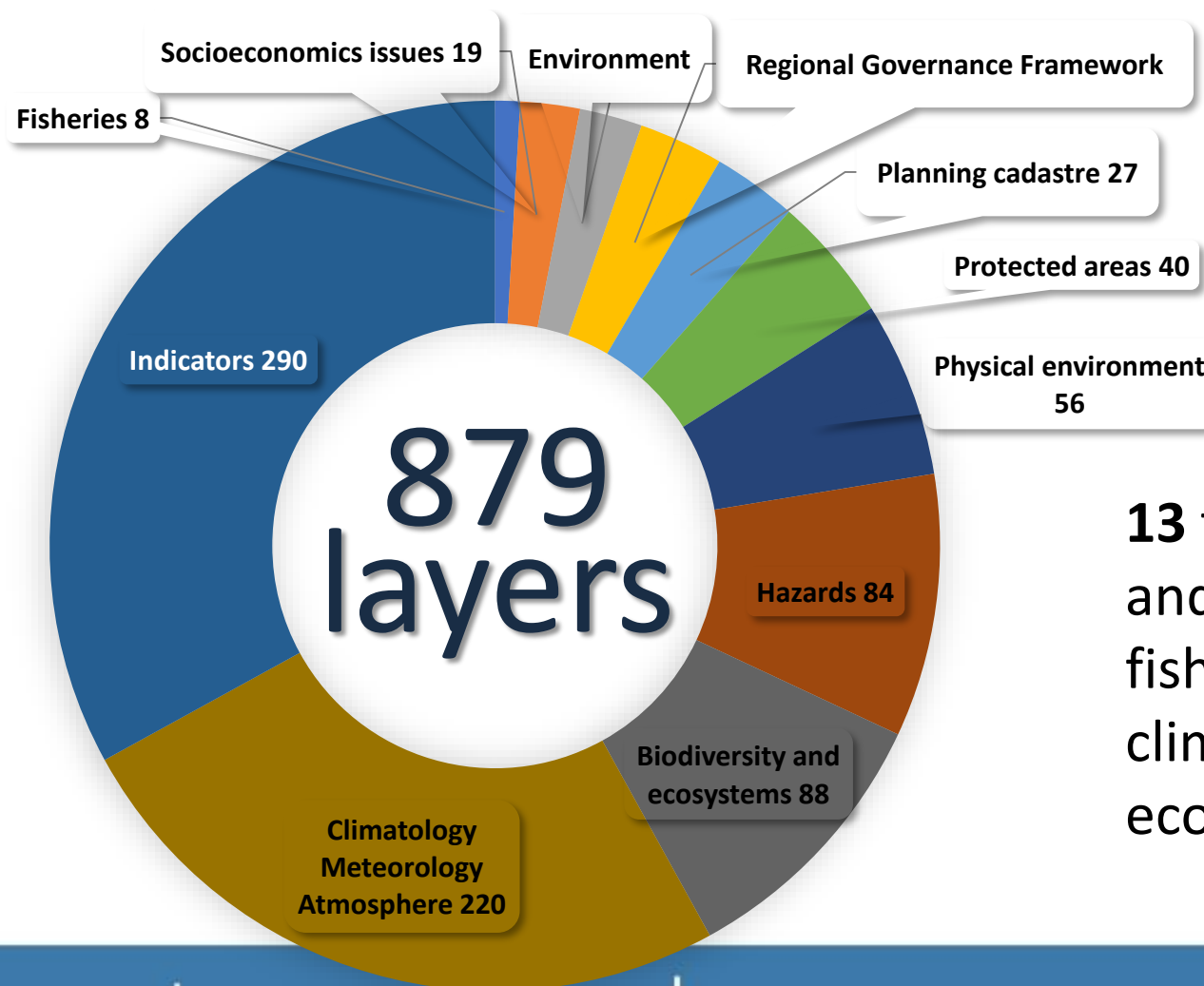
PLATFORM COMPONENTS VS PRODUCTS

TECHNOLOGY - the online platform is supported by  GeoNode and Power BI for the management, display of geospatial data, and data analysis and indicators display . GeoNode allows countries to manage their own content and information



<https://www.caribbeanmarineatlas.net/>

Collection of thematic layers from national information (country partners) and regional sources



13 thematic to support ICZM and EbM (ecosystems, species, fisheries, oceanography and climate, climate change, socio-economy, governance, MPAs, ...)



INDICATORS

Published

-  Coral Health
-  Threatened Species
-  Invasive Species
-  Marine Protected Areas
-  Coastal population Change

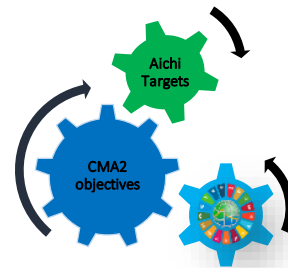
Published

In process

-  Sea Level
-  Global Capture Production
-  Ecosystems representativeness
-  Coastal economic activities
-  Natural Hazards Frequency

In process

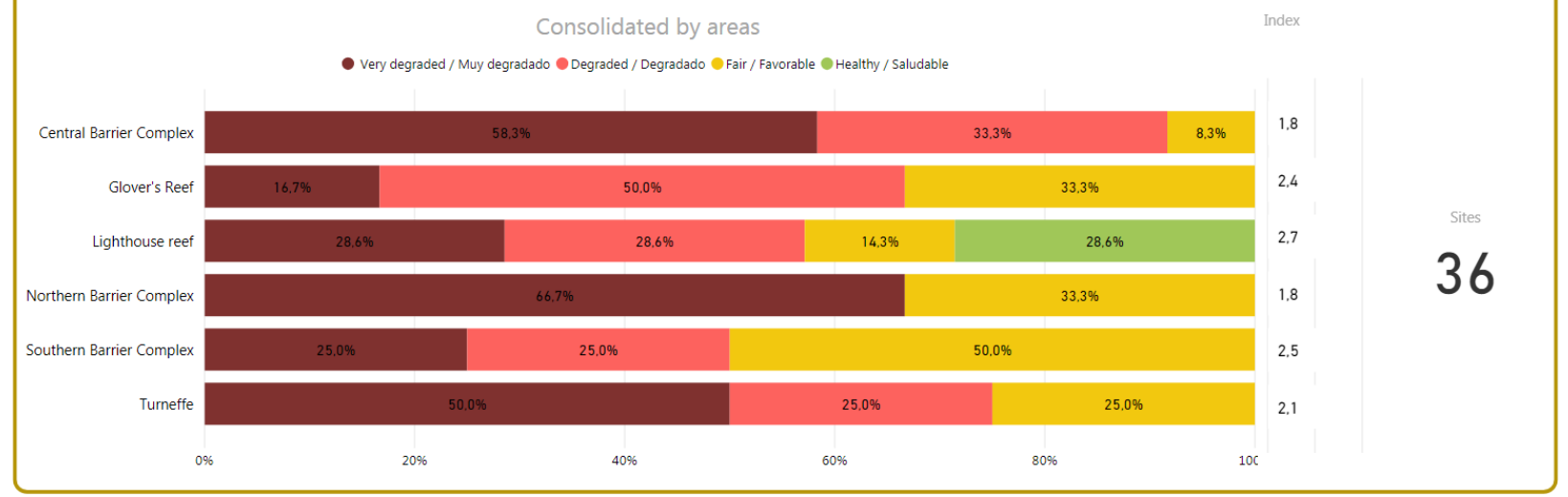
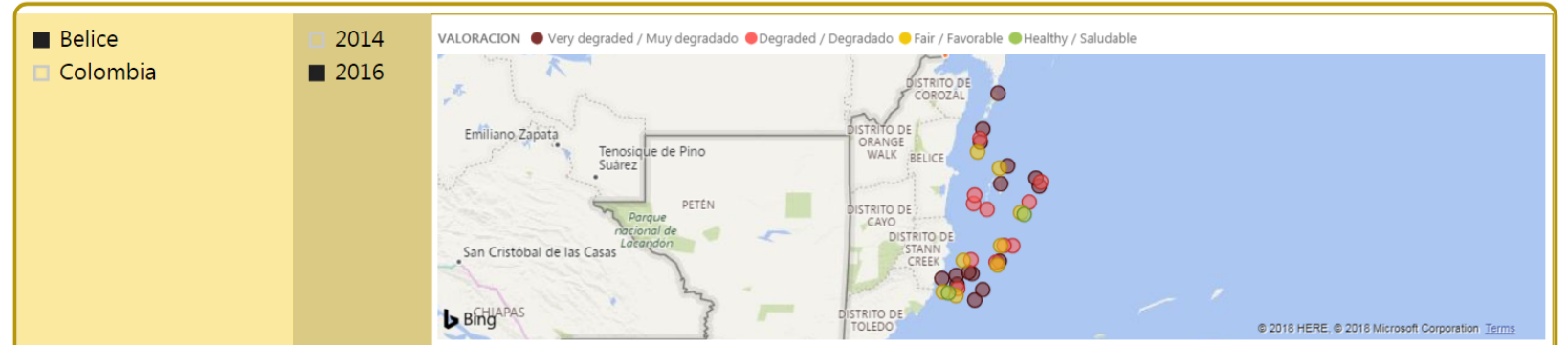
Contribution to show country advances in global strategies as SDG



This indicator reports the total number and the time series of occurrence records of threatened species as defined in the IUCN redlist catalog and registered in the Ocean Biogeographic Information System OBIS. The indicator will provide to the countries a way to track the number of threatened species recorded over the time. The presence of protected species suggest conservation measures directly oriented to protect its populations and habitats.

Este indicador informa sobre el número total y el número de ocurrencias en el tiempo de las especies protegidas definidas en el catálogo de libros rojos de la IUCN y registradas en el Sistema de Información Biogeográfica de los Océanos OBIS. El indicador permitirá a los países seguir los cambios en el número de especies amenazadas. La presencia de especies protegidas sugiere acciones específicas de conservación de estas poblaciones y hábitats.

Source: OBIS
 Time: Historical, 1913-2016
 Frecuence: Annual
 Hoja Metodológica:
https://freedcamp.com/CMA2_QqV/Caribbean_Marin_oSP/files/view/2089233



Sites
36



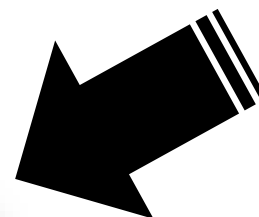
CMA2 Current partner countries



Countries that agreed to share information to support ICZM and EbM



Caribbean Node for Marine Litter Management



Recently, Trinidad & Tobago (Institute of Marine Affairs) as responsible for undertaken activities aimed at implementing the protocol on **Land-based Sources LBS for pollution at the Regional level for the English speaking islands of the Caribbean**, wishes use CMA2 as spatial platform for products (data, layers and documents).



Sargassum and Oil Spills Monitoring Pilot Project for the Caribbean and Adjacent Region

- Platform on line available (INVEMAR technical support 24/7)
- Training courses for GeoNode Technology



Coral Reef - Real World Request from Trinidad

Nautical charting data for use in mobile technology to assist small island reef fisherman



Thank You



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