

WESTERN TROPICAL ATLANTIC REGION  
REGIÓN ATLÁNTICO TROPICAL OCCIDENTAL  
RÉGION ATLANTIQUE TROPICALE OCCIDENTALE



United Nations  
Educational, Scientific and  
Cultural Organization



Intergovernmental  
Oceanographic  
Commission



2021 United Nations Decade  
2030 of Ocean Science  
for Sustainable Development



*One Planet, One  
Ocean*

*Un Planeta, Un  
Océano*

*Une planète, un  
océan*



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# THE CHM PORTAL

<http://portete.invemar.org.co/chm>

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# THE PROBLEM / SOLUTION (CHM PORTAL)

## Challenge

To provide a conceptual model for the integrated ocean data and information system contributing to SDG, CHM/TMT and UN DECADE for LAC, according to five components prioritized.



- Training and education
- Geospatial information
- Document repository
- Institution and expert directory
- Research Vessels

CHM-LAC

UN DECADE for LAC

CHM/TMT

SDG

## Problems

- multiple formats/architectures
- no metadata
- incomplete datasets
- data without webservice or structured data files

Collect data

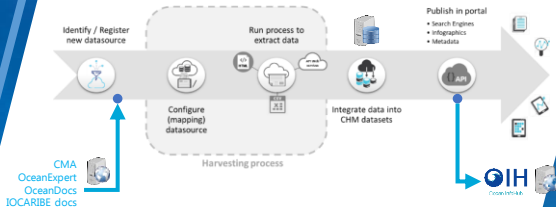
Store

Expose data



- Multi Language aggregations
- Gaps in data sources
- Minimal attribute extraction

## Solution



- It's a heterogeneous data harvesting and collection machine.
- Stores unified data sets
- It's an important piece for semantic web searches



- Container infrastructure
- Data model (NoSQL)
- Web scraping engine / harvesting engine
- Webservices to expose data

## Capabilities



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MUCHAS GRACIAS

THANK YOU

MERCI BEAUCOUP



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