



OIH LAC - Web based tools for centralize marine and costal information from Latin American and Caribbean

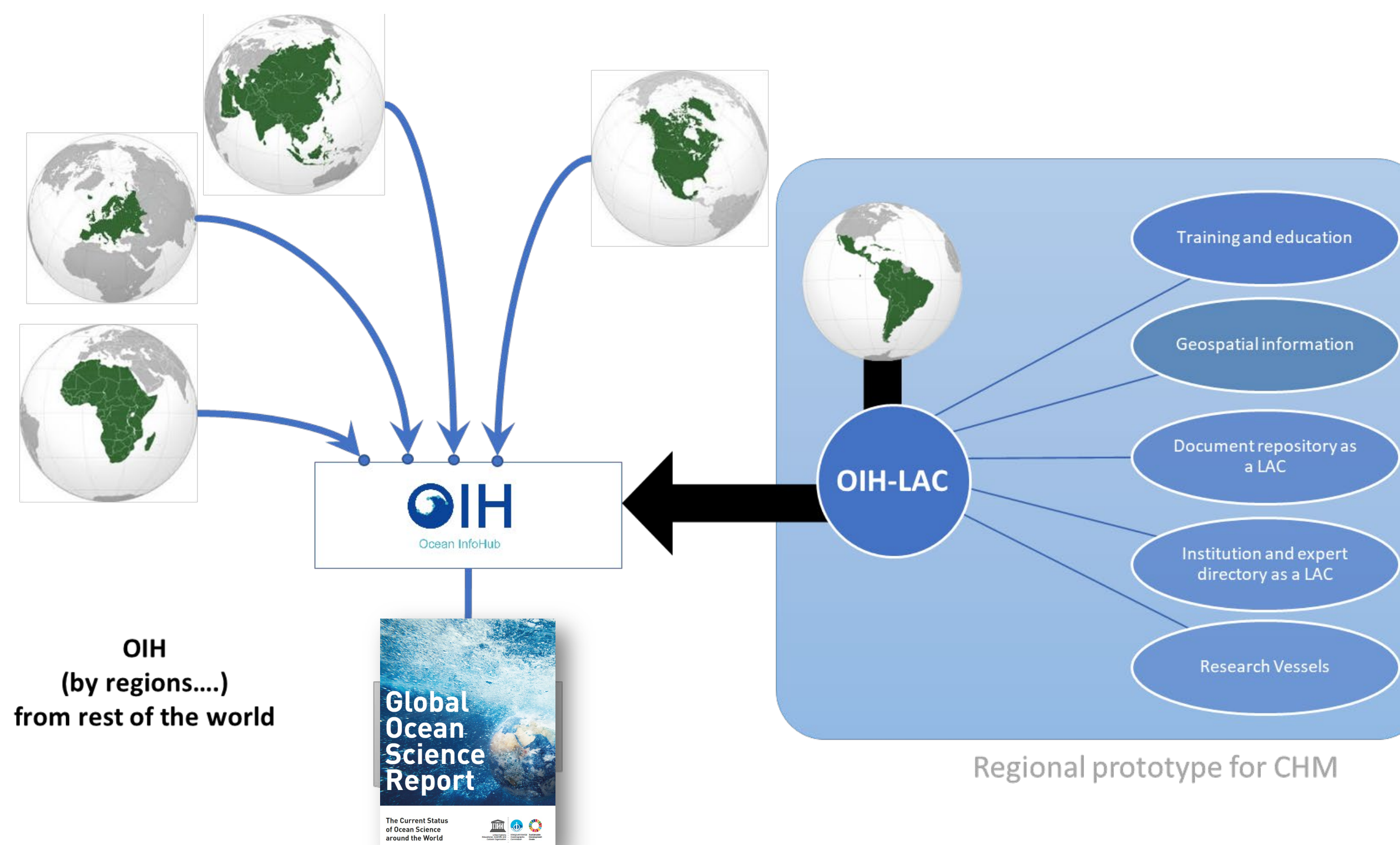


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IOC/UNESCO IOC/ARIBE Secretariat, is working together with partners, and has been actively working on identifying early-stage partners who are ready to test the ODIS-architecture proof-of-concept. A number of events and meetings have taken place to raise awareness of the project in the LAC region, and to bring new partners into the co-design process.

Based on this, INVEMAR (Colombia) developed a pilot Clearing House Mechanism – CHM for the Latin America and Caribbean region – LAC (OIH-LAC), in the context of the Caribbean Marine Atlas (CMA) project.



OIH-LAC is built according to the following architecture/themes

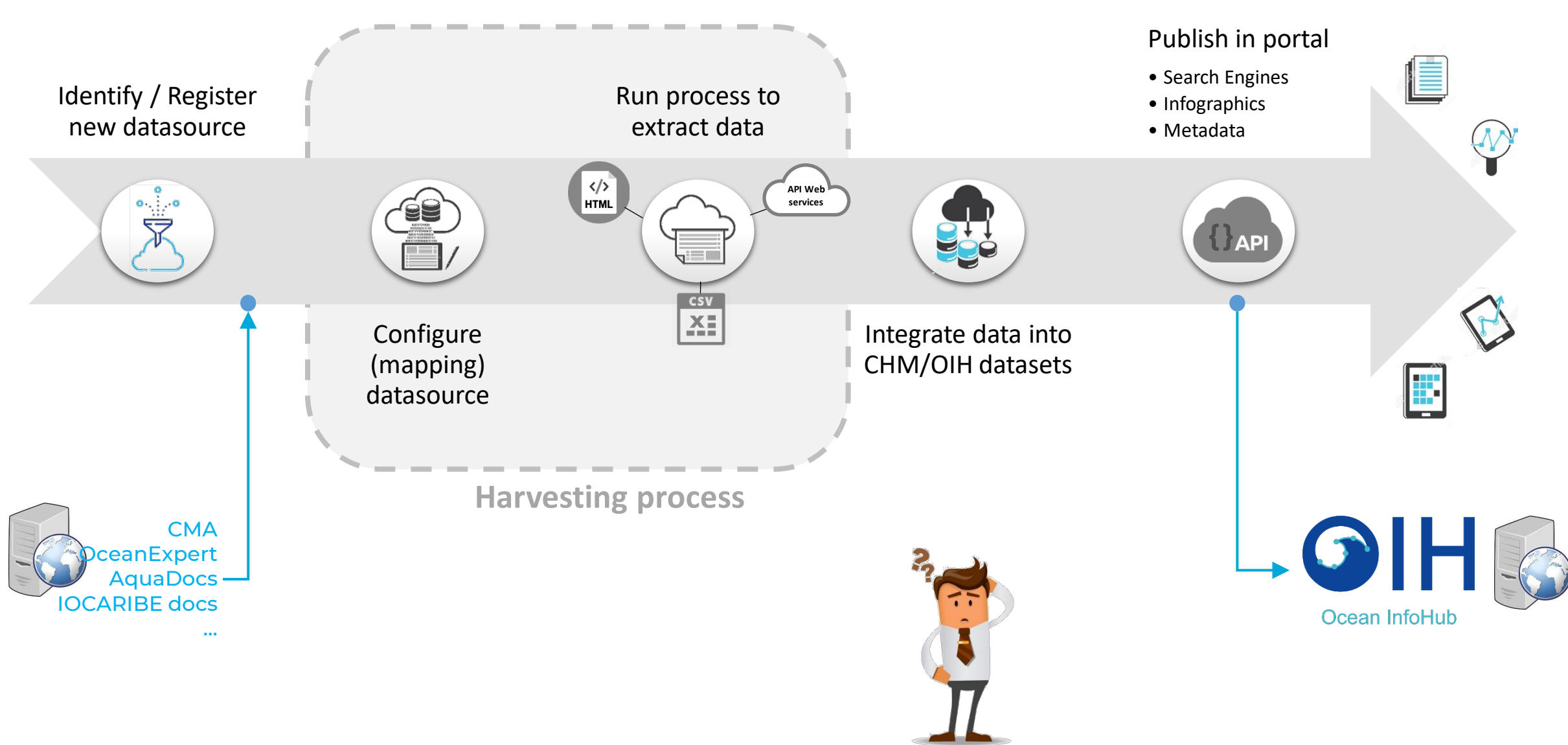
The objective of the project is to develop interoperability between existing information systems, thus improving the flow of information to end users.

Some of initial datatypes are...

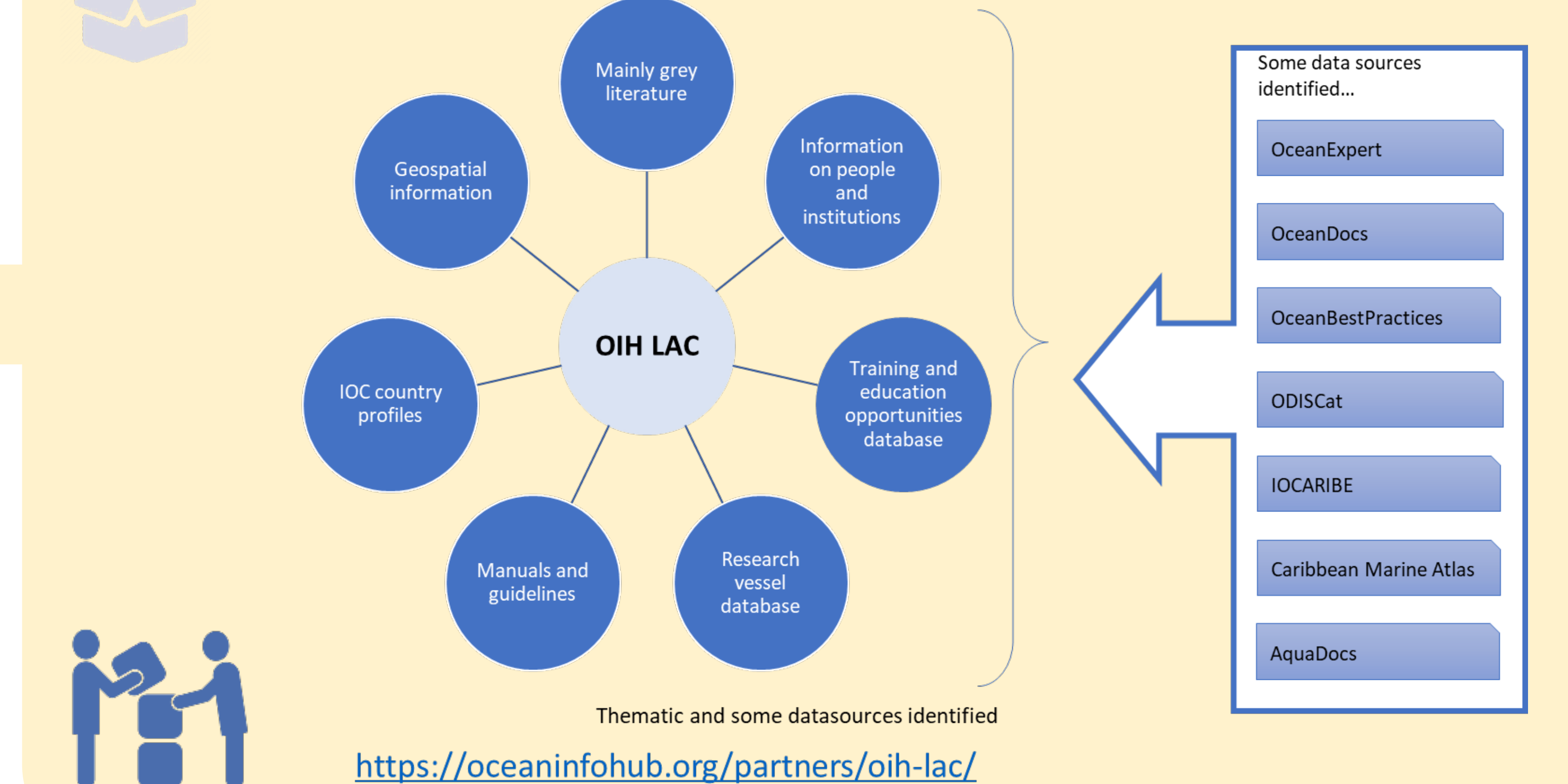
- People (researchers, youth, local communities)
- Organizations (Governmental & Private Sector)
- Documents
- Spatial data / maps
- Training opportunities
- Vessels (research opportunities)
- Projects

How is the collection, dissemination and visualization of information and courses?

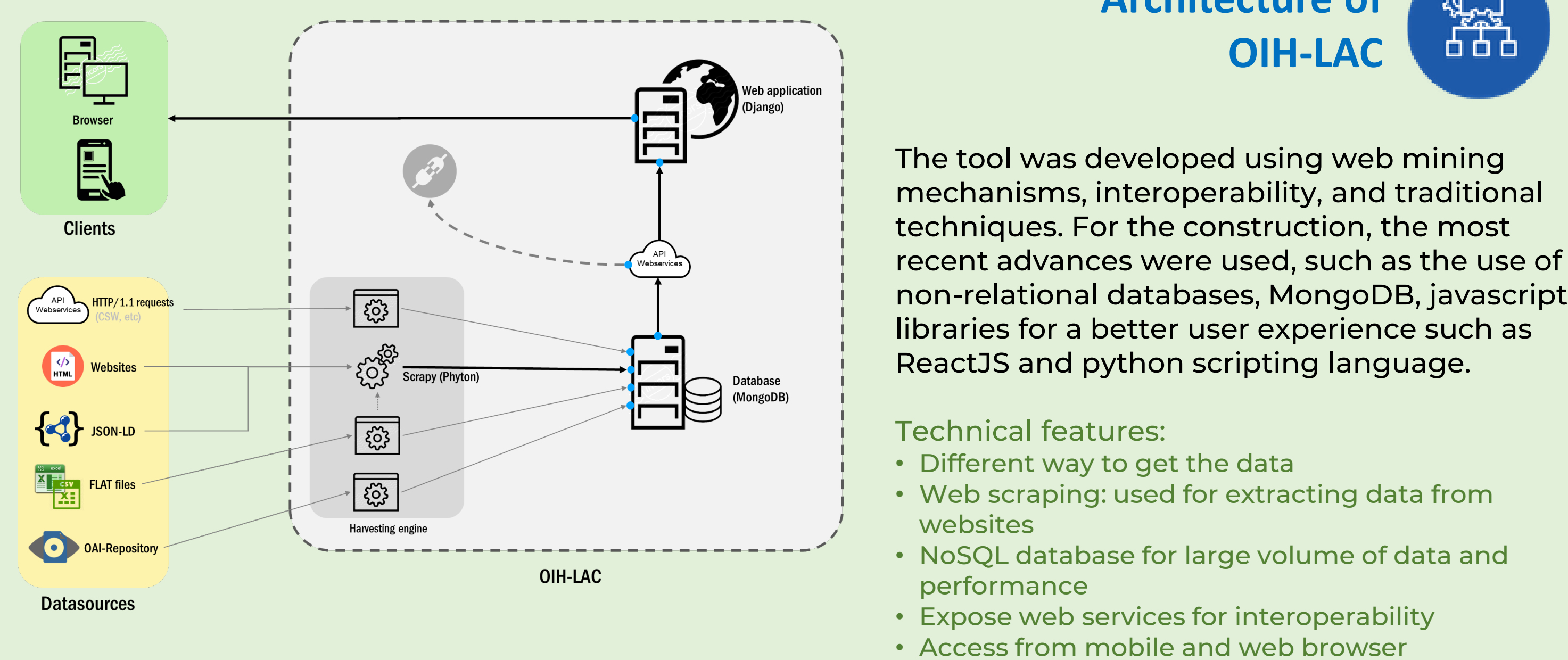
Defined PROCESS to access, harvest, store and publish information from different heterogeneous data sources. (*Webservices, Flat Files and Webscraping*)



Initial data sources/data providers identified for OIH-LAC



Architecture of OIH-LAC

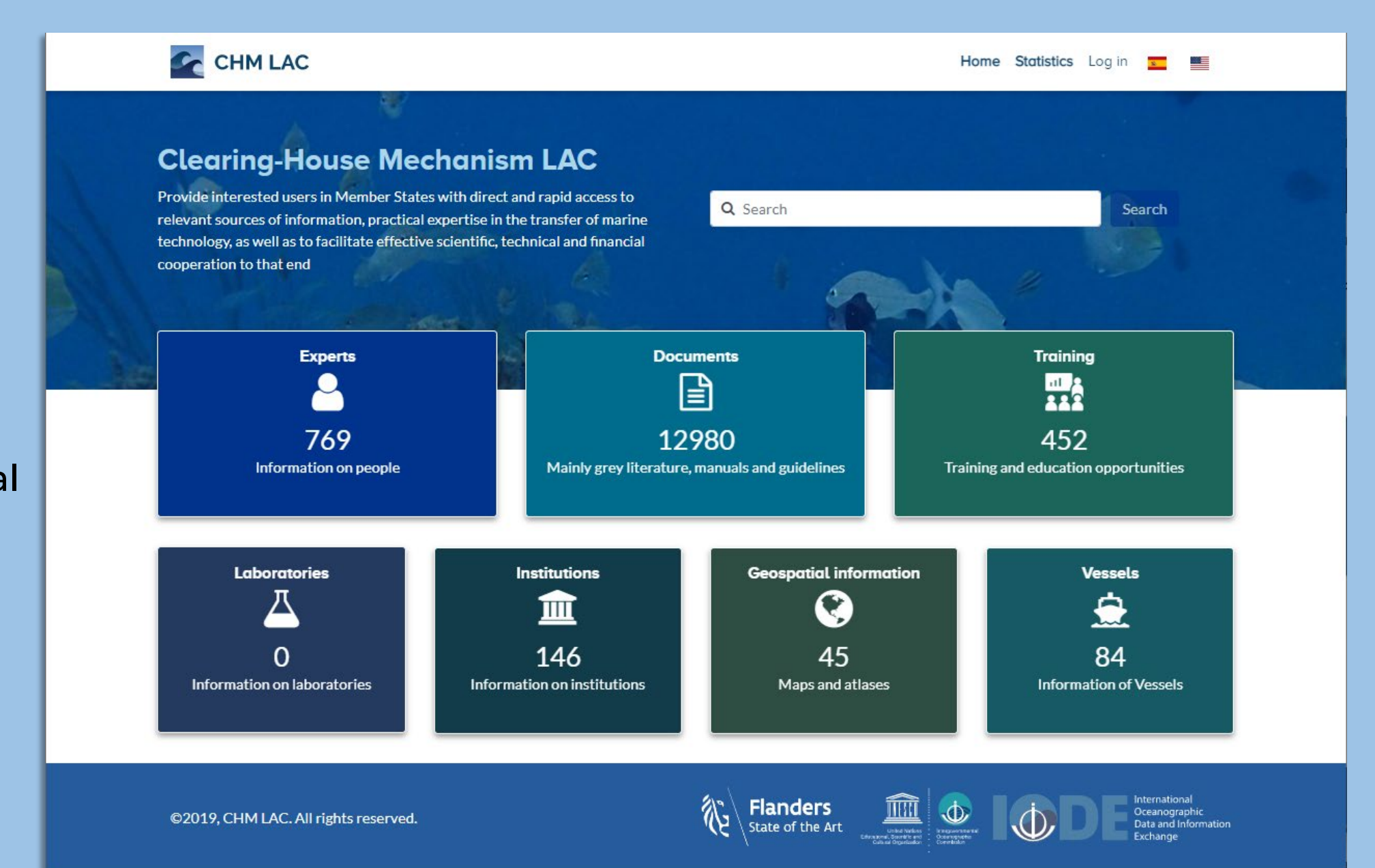


The user interface

The platform's versatility makes it possible to incorporate any type of dataset and create new categories in response to specific needs at the national or regional level

Capabilities

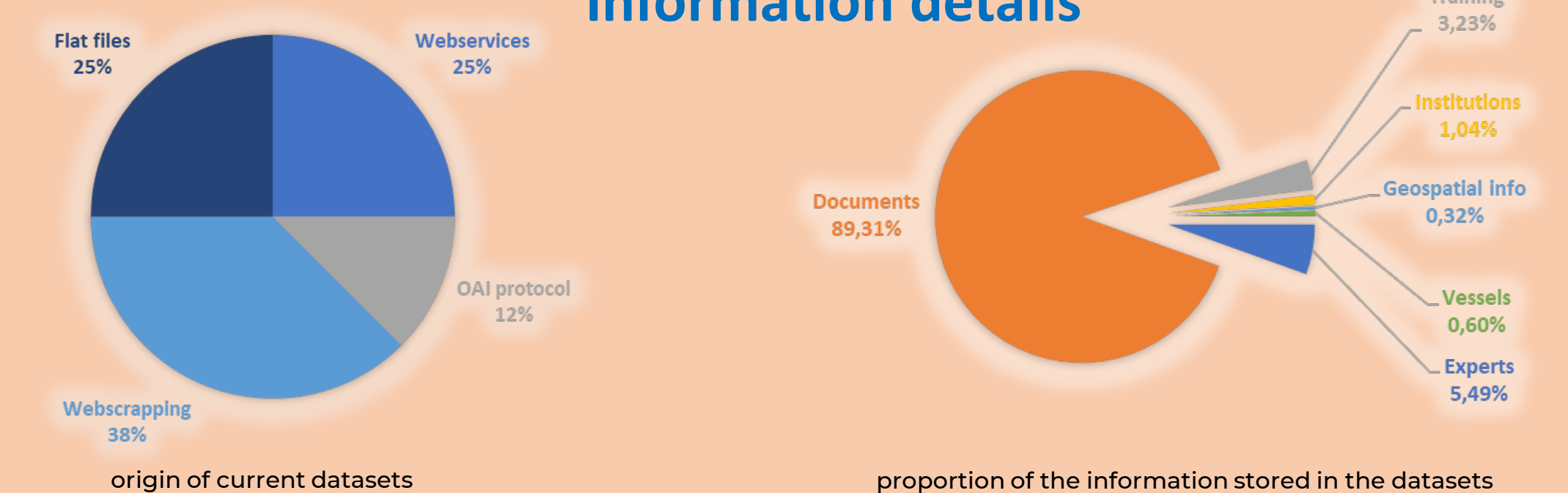
- ✓ Container infrastructure
- ✓ Data model (NoSQL)
- ✓ Web scraping engine / harvesting engine
- ✓ Webservices to expose data



Next steps

- Rebuild/implements on CHM-LAC pilot whir ODIS Arch specifications
- Include more data providers
- Develop software prototype to retrieve data from regional providers that implement schema.org vocabulary and JSON-LD

Information details



Flanders
State of the Art



United Nations
Educational, Scientific and
Cultural Organization



Intergovernmental
Oceanographic
Commission



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

