Archives

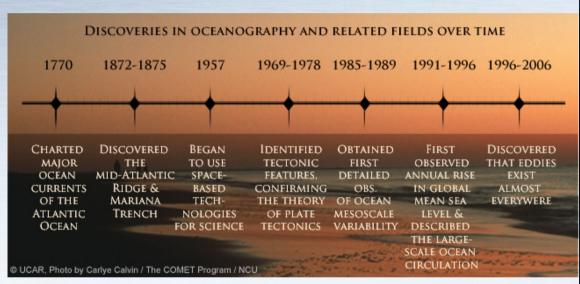
CDR José Alberto de Mesquita Onofre Brussels, february 27th, 2018







OCEanArchNetwork: Why is this important?



Source: https://www.eumetsat.int/jason/print.htm

hidrográfico



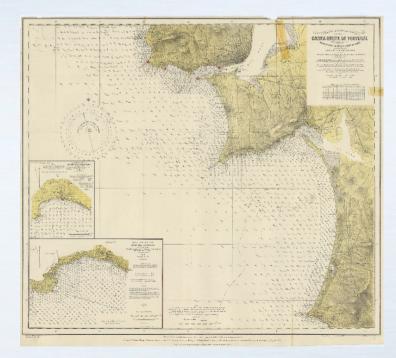
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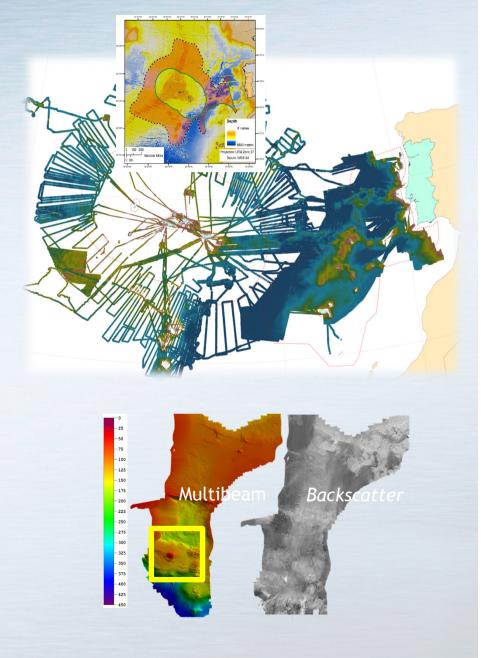


OCEanArchNetwork: Why is this important?

Today we live with high density digital marine data but one big question prevails:

Is or Is not the old data an important piece for a better Knowledge of the Ocean and Coastal Dynamics?







OCEanArchNetwork: Archives

Archives:

More than 170.000 paper documents including:





OCEanArchNetwork: Some numbers?





Marine Geology from 1978 to 2000:

- Sysmic Analogic Registers 40 000 Km of surveys;
- Side Scan Sonar Analogic Registers 6 000 Km of surveys;

Hidrography:

- 4 400 Historic Nautical charts (National);
- 4 000 Historic Nautical charts (International);
- 6 812 Hydrographic surveys sheets;
- 2 135 Scientific reports;
- 50 old aerial analogic photos;
- 500 Nauthical Chart creation reports;
- Several Foreign Seas Hydrographic campaign reports;

Oceanography:

- 3 600 Tide Diagrams (after 70s);
- 5 200 Tide Diagrams from foreign countries;
- Several Scientific Reports;
- Several Analogic Registers of Sea State Data;
- Several Analogic Registers of Currents (before 1970)

OCEanArchNetwork: Current Work



Nautical Charts:

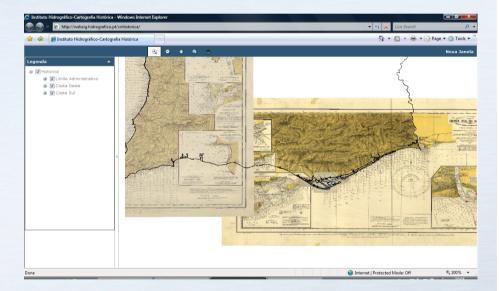
- The digitalization and georreferencing process has started in 2009 and since then it has been a non-stop process. However due to the lack of funding the process is slow; This process need some automatization and digital image algorithm development for automatic features extraction.

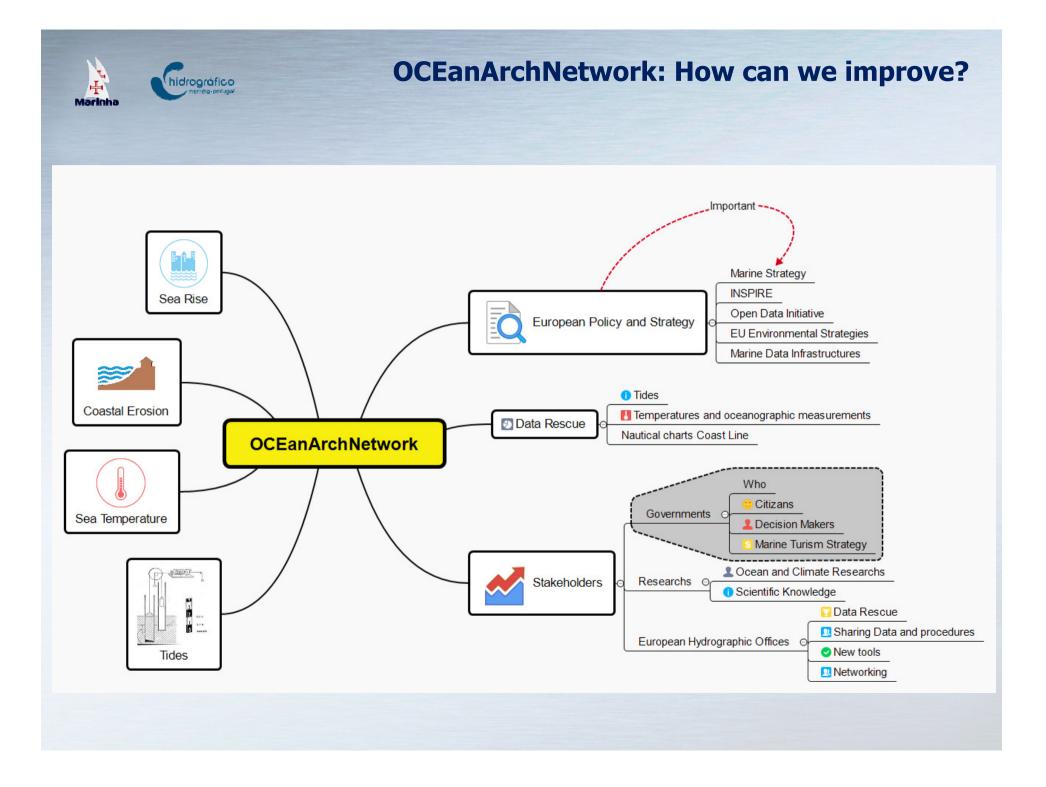
Marine Geology Registers:

 Hydrographic office started the data rescue using a digital camera for images aquisition and manual process to mosaic creation. the methodology is ineficient and need to improve image distortions correction process;

Tide Diagrams:

- The manual extraction of time series have been done but without some automatization this is a time consuming process of human resources and a very slow procedure,





OCEanArchNetwork: The Project

OCEanArchNetwork – Ocean Archives Network

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