







Knowledge of the Ocean: Why(s) and How(s)?







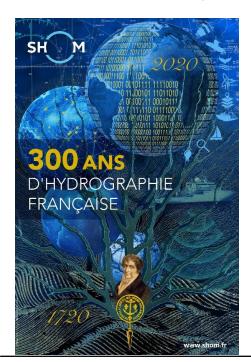


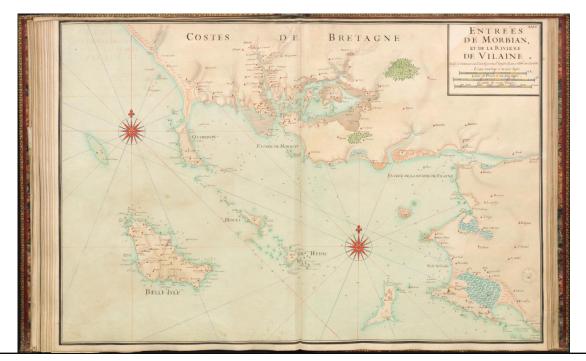
An early start





1720 creation of a repository of Navy charts and plans in France







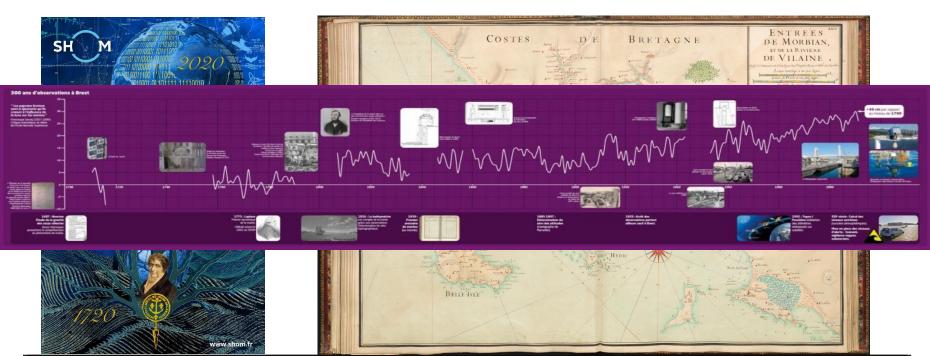








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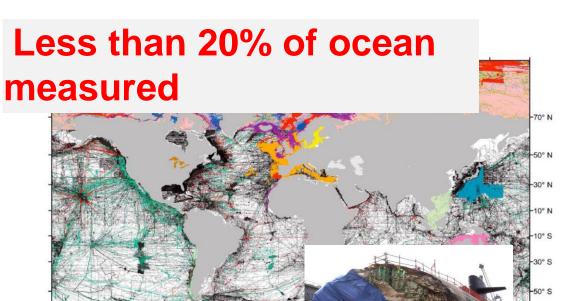


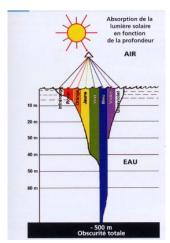














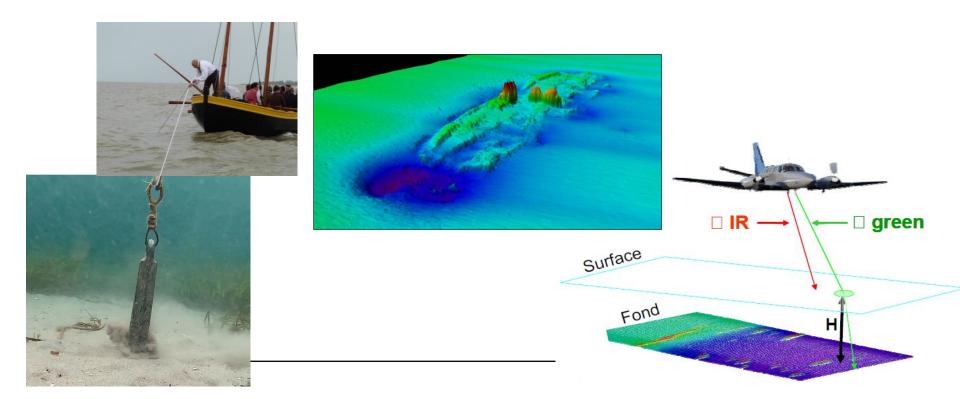








Techniques has progressed over time







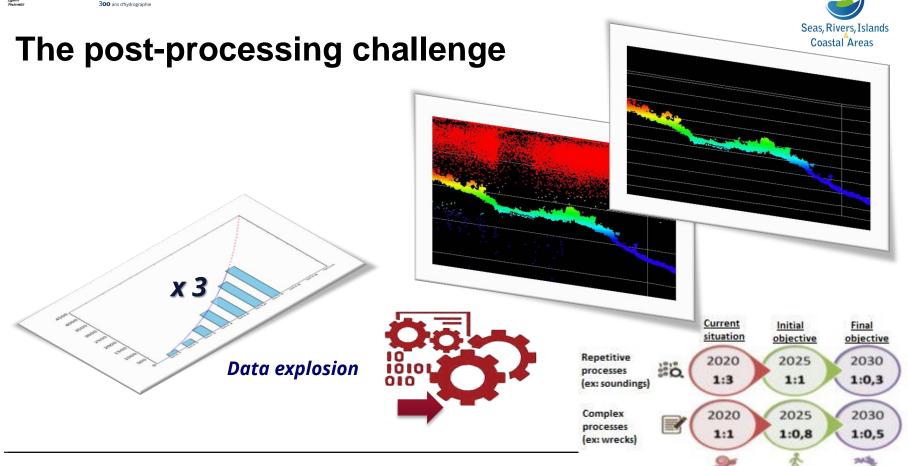


How can we accelerate? Autonomous vehicles a new breakthrough















IHO-DG MARE Memorandum of Understanding (MoU) - 23 April 2012



Framework for interaction between the EC and the IHO, chaired by France











BATHYMETRY

Understanding the topography of the European seas



Hydrographic Offices





Research Institutes











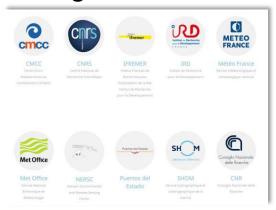


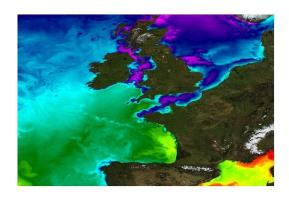


Organisations

MERCATOR OCEAN

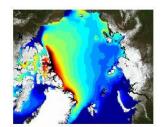
INTERNATIONAL

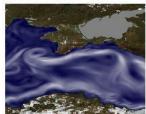


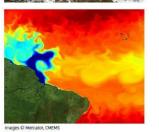


Partners















EMODnet Coastal Mapping project launch – May 2015

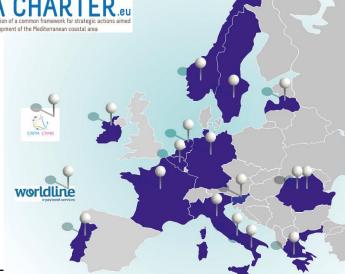
Evaluation of the interest of a EU level synergy for acquisition of hydrographic data

13 countries and all the EU maritime basins involved





Conclusions shared with the SEArica IG
 (SEArica Conference – February 2017)









Recommendations from the European Hydrographic Offices







Digital Twin of the Ocean - DTO





<u>The next step:</u> planification and securisation of the acquisition and sharing of standardized and interoperable marine data in Europe.

We believe in a European Ocean Observing System - EOOS







