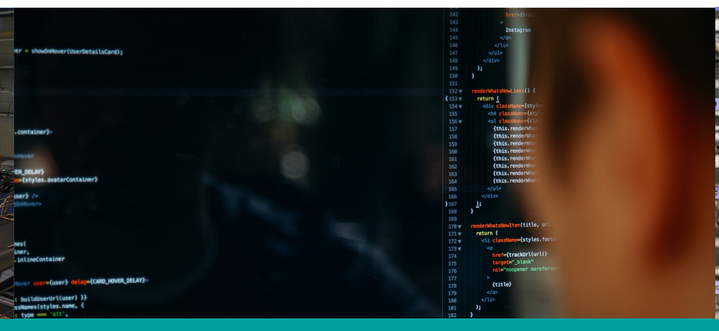

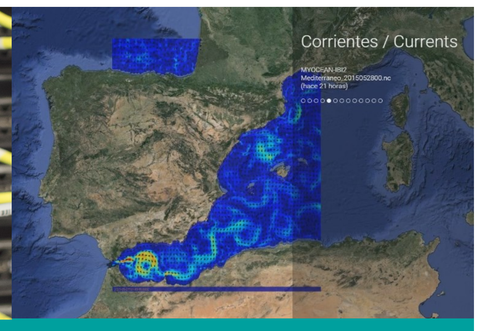


# Metocean data for Marine Spatial Planning - IH MSP Platform

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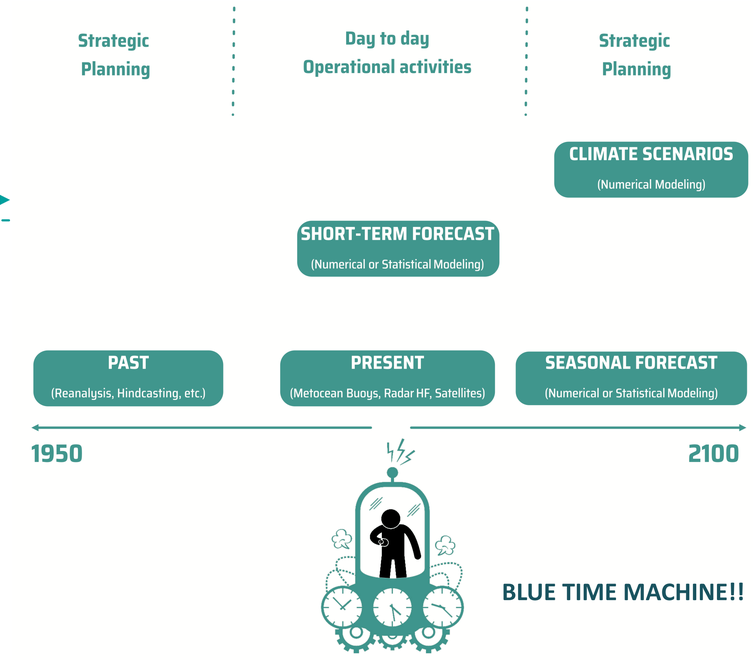
Marine Spatial Planning (MSP) offers countries an operational framework to maintain the value of their marine biodiversity while at the same time allowing sustainable use of the economic potential of their oceans. IOC- UNESCO has defined a "Step-by-step Approach for Marine Spatial Planning toward Ecosystem-based Management" (http://msp.ioc-unesco.org/). The adoption of the step-by-step approach requires Technology Transfer Solutions and Services based on scientific methodologies to overcome the gap between data providers (e.g. Copernicus Services, EMODnet, NOAA,...) and professionals responsible for the planning and management of marine areas and their resources.

MSP is a fundamental tool for balancing sector interests and achieving Blue Growth, elucidating trade-offs of individual and combined uses of marine resources. Therefore, a systematic approach towards spatial planning that identifies opportunities for the co-location of activities is essential to minimize conflicts, optimize the use of space, and reduce operation costs. In this sense, and due to the lack of approaches that address the co-location of wave energy, wind energy and aquaculture activities in a site selection scope, a methodological approach has been developed and implemented for the integrated assessment of co-location opportunities for wave, wind and aquaculture facilities in a Global scale under the CMEMS demonstration "RENAQUA Project" (http://renaqua.ihcantabria.com/).

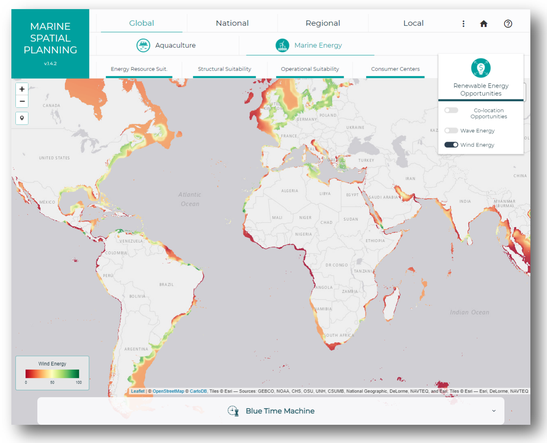
As a result, the RENAQUA Project contributes towards the identification of co-location opportunities for renewable energies and aquaculture facilities, and provides decision support for operational Multi-Use Platform activities. The regular and systematic information about the physical state and dynamics of the ocean and marine ecosystems from European regional seas to oceans world wide provided by CMEMS, under an open data access approach, is the essential fuel of the RENAQUA Downstream Service.

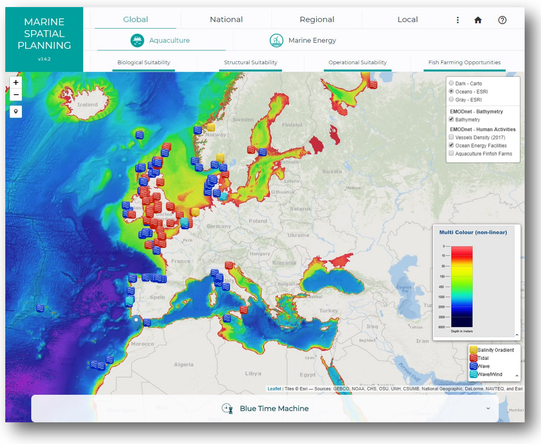
Source: http://msp.ioc-unesco.org/

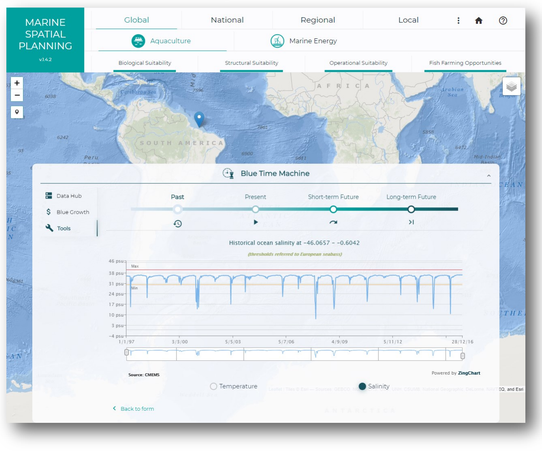




***DATA*** » ***INFORMATION*** » ***KNOWLEDGE***

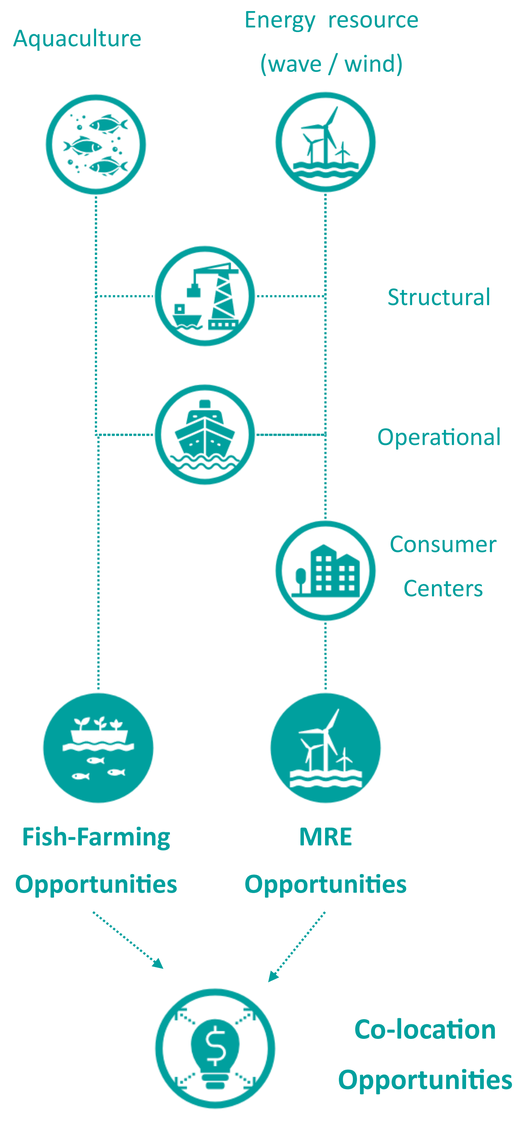
**http://msp.ihcantabria.com**




**SUITABILITIES**




…Other data providers

The **Blue Time Machine** is among the finalist of the **#EUDatathon2019**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