



# NAUTILOS

## New Approach To Underwater Technologies For Innovative, Low-cost Ocean Observation

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<http://www.nautilus-h2020.eu/>

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Western Switzerland



# Main objective

## Strategic objectives:

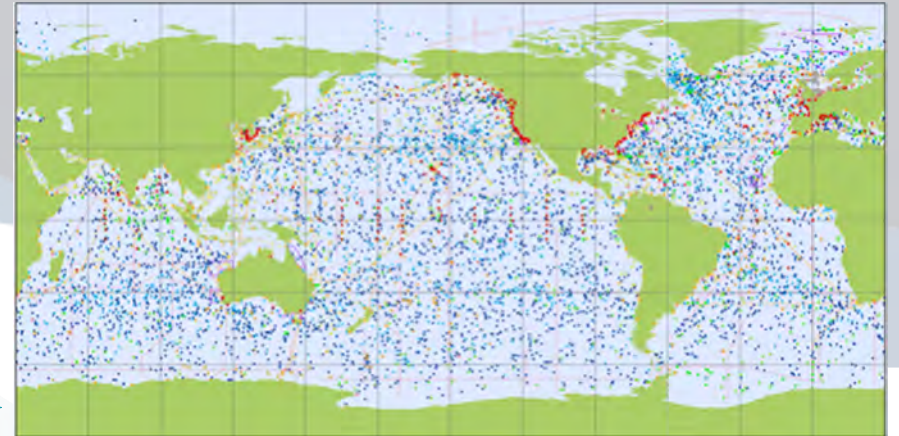
- **filling in marine observation and modelling gaps for chemical, biological and deep ocean physics variables**
- **By means of a new generation of cost-effective sensors and samplers**
- **To be integrated within observing platforms**
- **Long-term deployment in large-scale demonstrations in European seas**

## Goals & achievements:

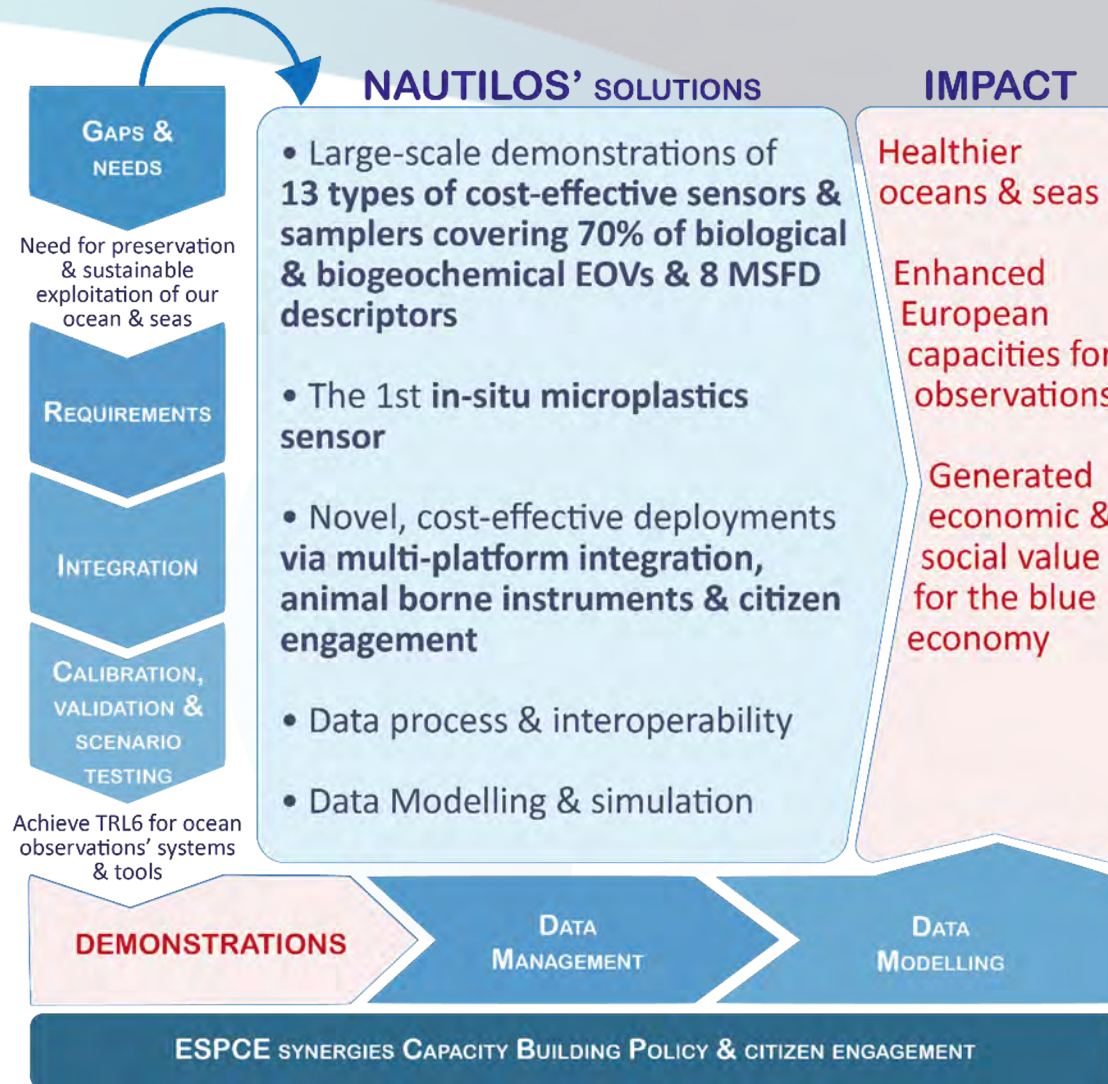
**complement and expand current EU observation tools and services**

**obtain a collection of data at a much higher spatial resolution, temporal regularity and length than currently available at the EU scale**

**to further enable and democratise the monitoring of the marine environment to both traditional and non-traditional data users**

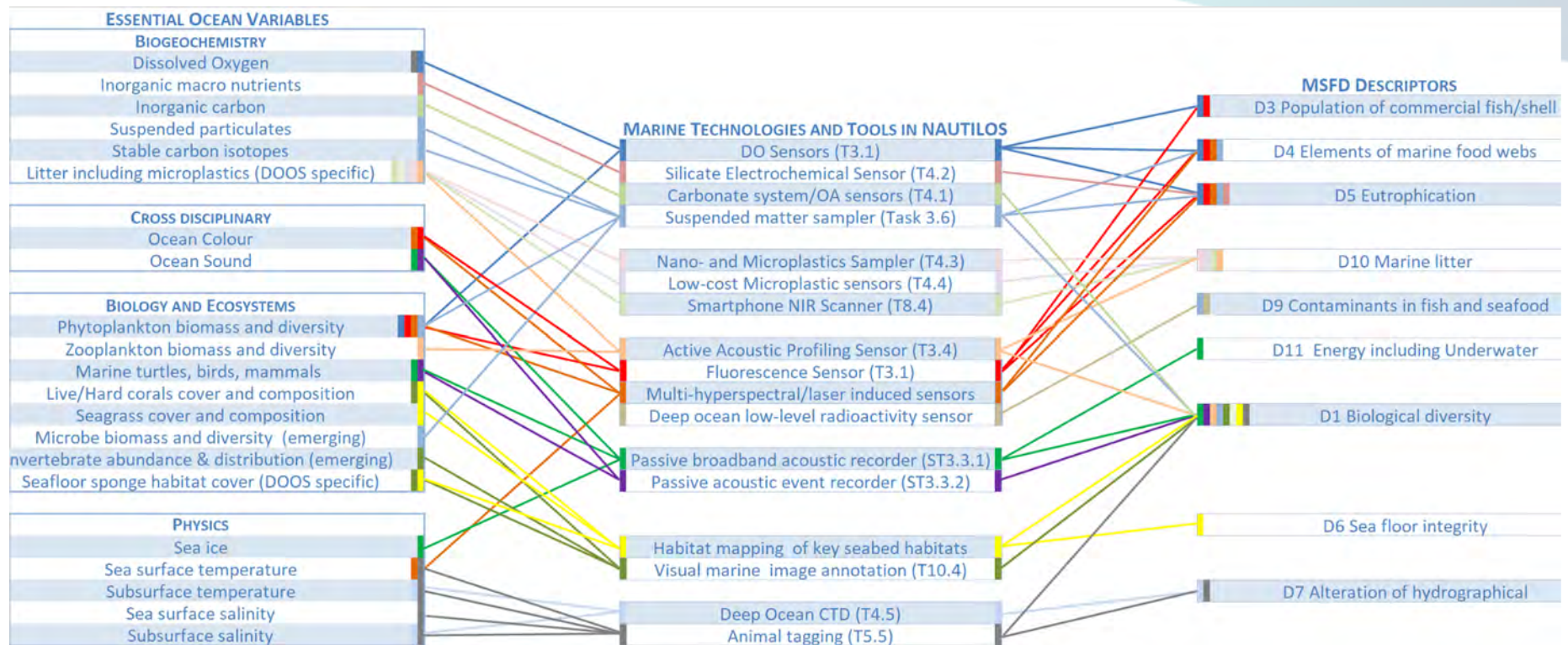


# Concept

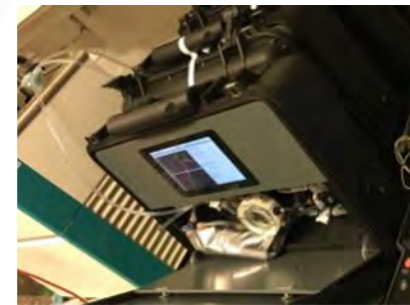
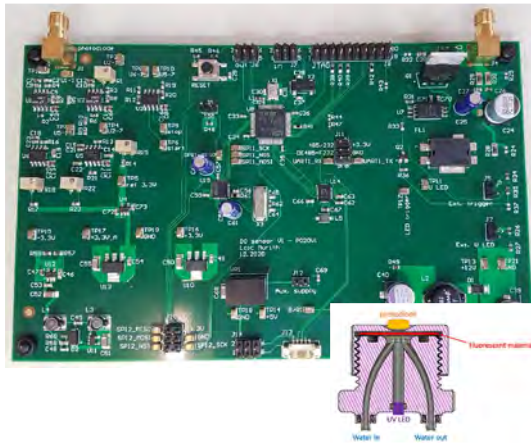




# Gaps and needs addressed

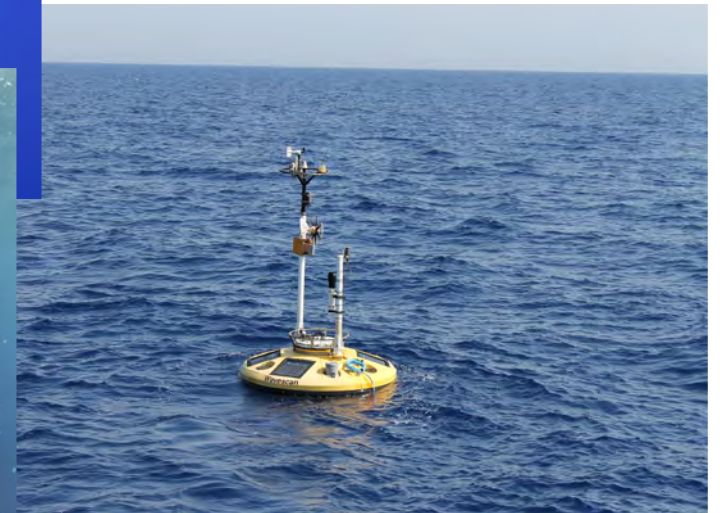
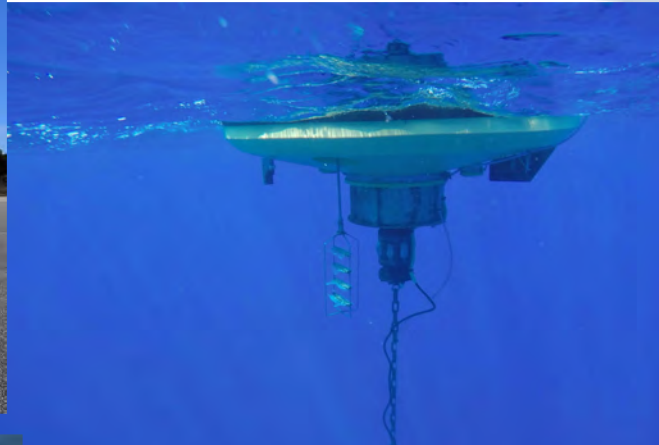


# Technological development of sensing and sampling marine instrumentation

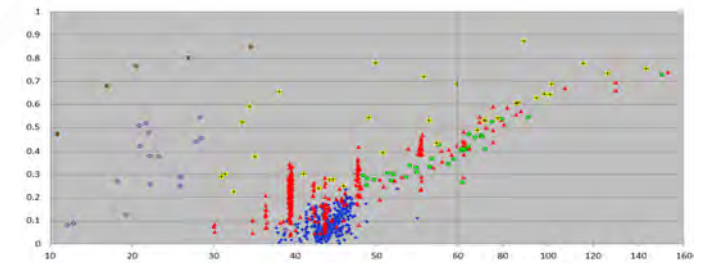
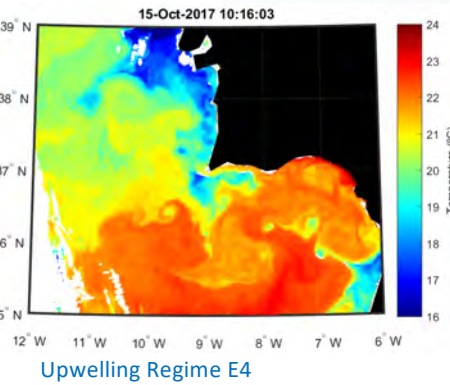
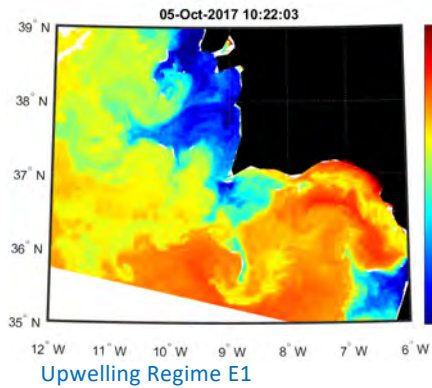
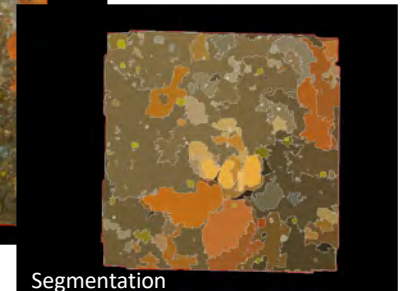
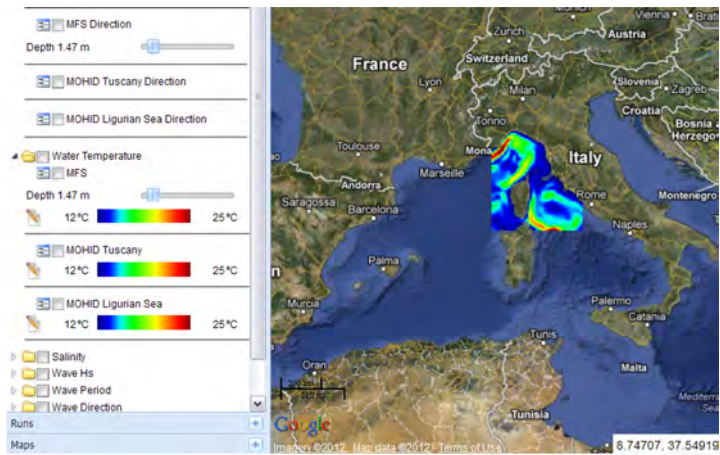




# Integration of technologies into observation platforms



# Data Processing and Modelling

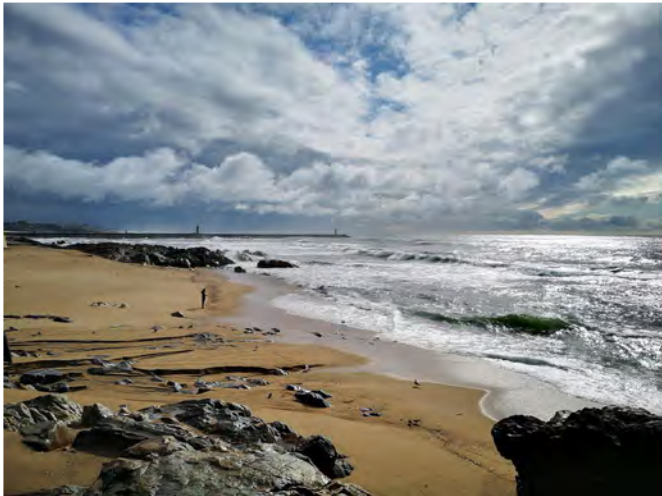




# Dissemination, awareness raising and knowledge-transfer



# Exploitation and Impact





# Citizen Science & Synergies with ESPCE



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