

SHAREMED First Capitalisation Workshop

Designing the future system of observing systems to assess and address threats to the Mediterranean marine ecosystem - State-of-the-art, needs and future direction

Webinar: 14-15th December, 2020



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COST-EFFECTIVE SENSORS, INTEROPERABLE WITH INTERNATIONAL EXISTING OCEAN OBSERVING SYSTEMS, TO MEET EU POLICIES REQUIREMENTS

Project coordinator: LEITAT

Project duration: 40Months

Funding authority: FP7 The Ocean of Tomorrow 2013

Geographic extension: Europe

Other useful information: Development of sensors for innovative pollutants, interoperability

with existing observing platforms.







Temperature pH (Res.) pCO2 pH (Volt.) Eutrophication Microplastics Analyzer Microplastics and MISS system & Analyzer Miss Analyzer

OCEANIA VESSEL

OCEANIA VESSEL

LOCAL HARBOUR - ORISTANO

CNR ARCTIC BASE

HAWAII FLOATING PONTOON

RACING YACHT

MOTOR BOAT

Temperature pH (Res.) pCO2 pH (Volt.) Eutrophication Microplastics Microplastics Analyzer Microplastics Analy

https://commonsenseproject.eu/images/CommonSense/ Media/Factsheet/COMMONSENSE FactSheet Final D10.7 .pdf

https://commonsenseproject.eu/media/sensor-profiles

https://commonsenseproject.eu/images/CommonSense/Media/COMMON-SENSE-Final-Brochure-April-2017.pdf



☐ Smart sensors for autonomous operation and smart interfaces.
☐ Data aggregator platform, to handle information and share to web platform
☐ Web platform designed using OGC standards, and interoperable with different observing systems, as well sisters projects.
☐ Common Sense was oriented to provide data makers instead data platforms. ☐ There are gaps in data collection procedures, specially in terms of data acquisition.
☐ Main objective, to provide tools for data acquisition (sensors and procedures), specially for innovative pollutants. MSFD & CFP
☐ Lack of measures, mapping and cost.



WORD FOR 2018: Environmental baddy 'microplastic' word of the

year

Ocean acidification

Noise pollution

- Availability
- Quality

Data

Processing

- Models
- Artificial Intelligence

- Monitoring programs
- Decision making

Acting

We need more sensors systems and we need to make them more reliable and trustly

There are different platforms for similar objectives

Digitalization starts with data, if we have data gaps, or not enough data quality, monitoring, decision making, models and services can fail.

BAD DATA

WORSTS DECISIONS