



COMMON SENSE

MARINE SENSORS - MARINE MONITORING

COMMON SENSE Project

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LEITAT

COMMON SENSE FINAL EVENT





The Marine Directive aims to more effectively protect the marine environment across Europe by achieving and maintaining **Good Environmental Status (GES) of EU marine waters by 2020**

Adopted on 17 June 2008

National legislation by 15 July 2010.



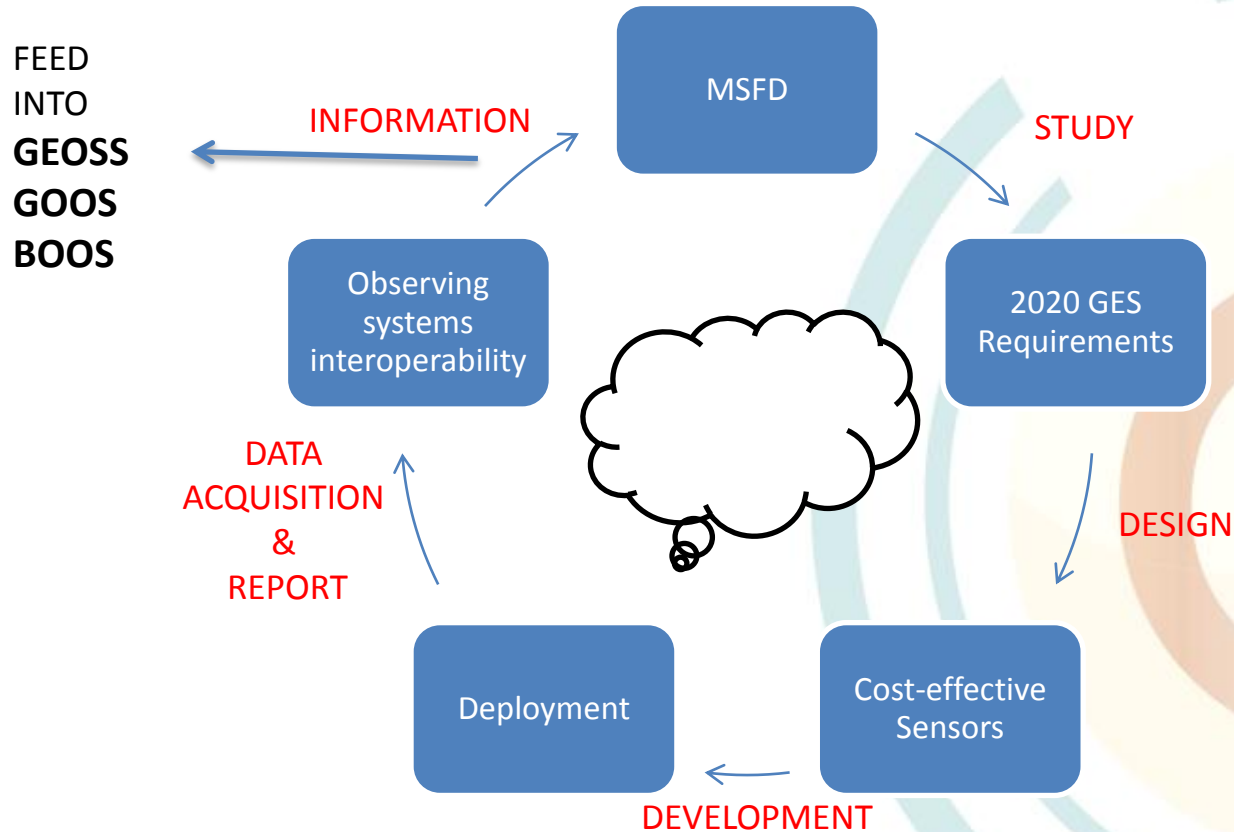


Under the **Marine Strategy Framework Directive (MSFD)**, EU Member States are expected to assess the overall status of their marine environments and to put in place the necessary measures to achieve **Good Environmental Status (GES) by 2020**.

Member States must implement cost-effective monitoring programmes in order to achieve MSFD monitoring objectives.

http://ec.europa.eu/environment/marine/eu-coast-and-marine-policy/marine-strategy-framework-directive/index_en.htm



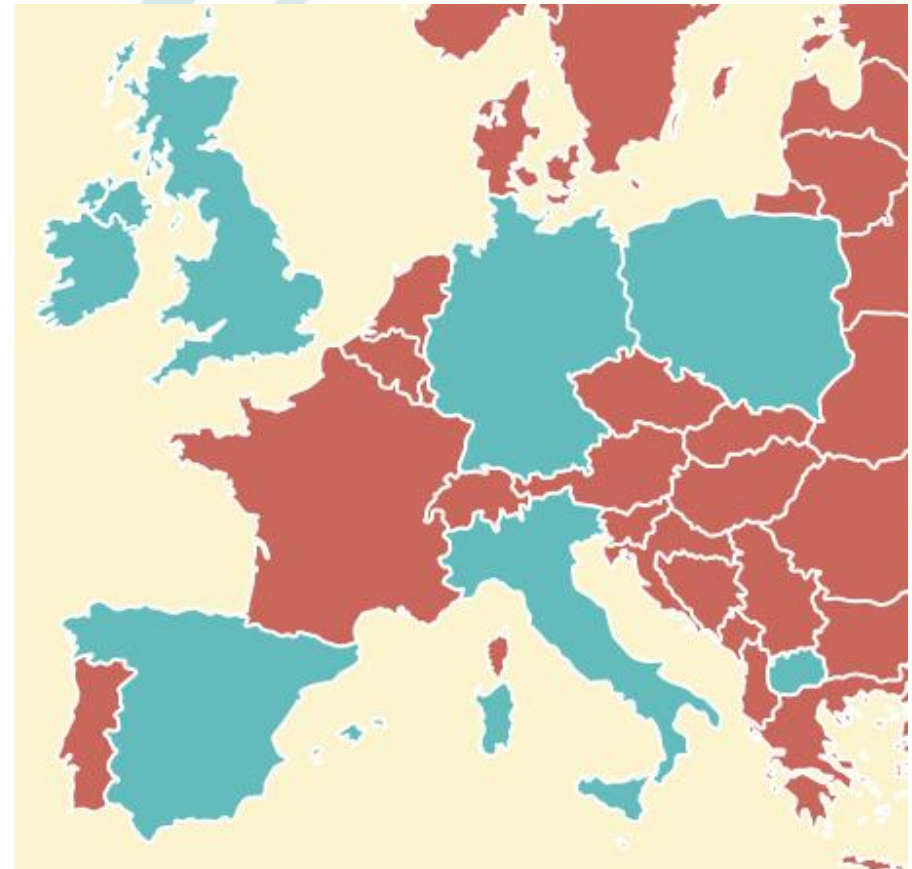


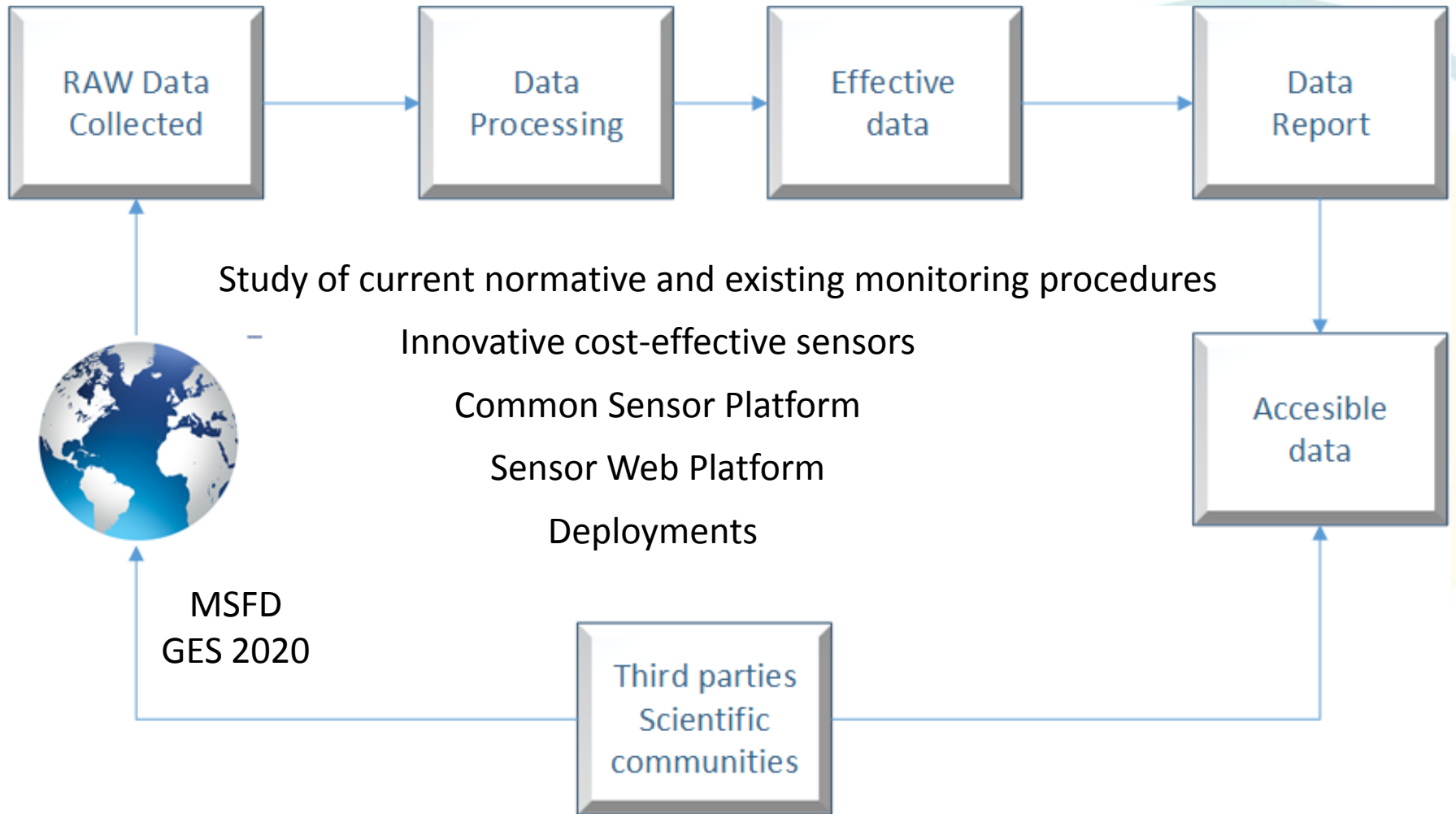
The **COMMON SENSE** project has been designed to develop innovative, cost-effective sensors that will increase the availability of standardized data; able to **share data with existing and new observing systems** and will be compatible with the Global Ocean Observing System (GOOS) and the Global Earth Observing System of Systems (GEOSS).



COMMON SENSE focuses on developing **cost-effective sensors** that will increase availability of **standardized data** on eutrophication, concentrations of heavy metals, microplastics, underwater noise and other parameters.

- **TITLE:** Cost-effective sensors, interoperable with international existing ocean observing systems, to meet EU policies requirements
- **PROGRAMME:** FP7 Environment, Ocean 2013.2
- **INSTRUMENT:** Collaborative project
- **DURATION:** 40 Months **START:** 01/11/2013
- **COORDINATOR:** LEITAT Technological Center (LEITAT), Barcelona, Spain
- **CONSORTIUM:** 15 partners from seven countries (6 SMEs, 5 research institutes, 3 universities and 1 foundation) 40% SMEs







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Project structure

Deployments

WEB PLATFORM

- User level

SENSOR PLATFORM

- Data aggregation level

SENSORS

- Physical level

Eutrophication
Microplastics
Heavy Metals
Underwater noise

Reference sensors:
pH
pCO₂
Temperature
MISS System



This project has received funding from the European Union's Seventh Programme for research, technological development and demonstration under grant agreement No 614155.

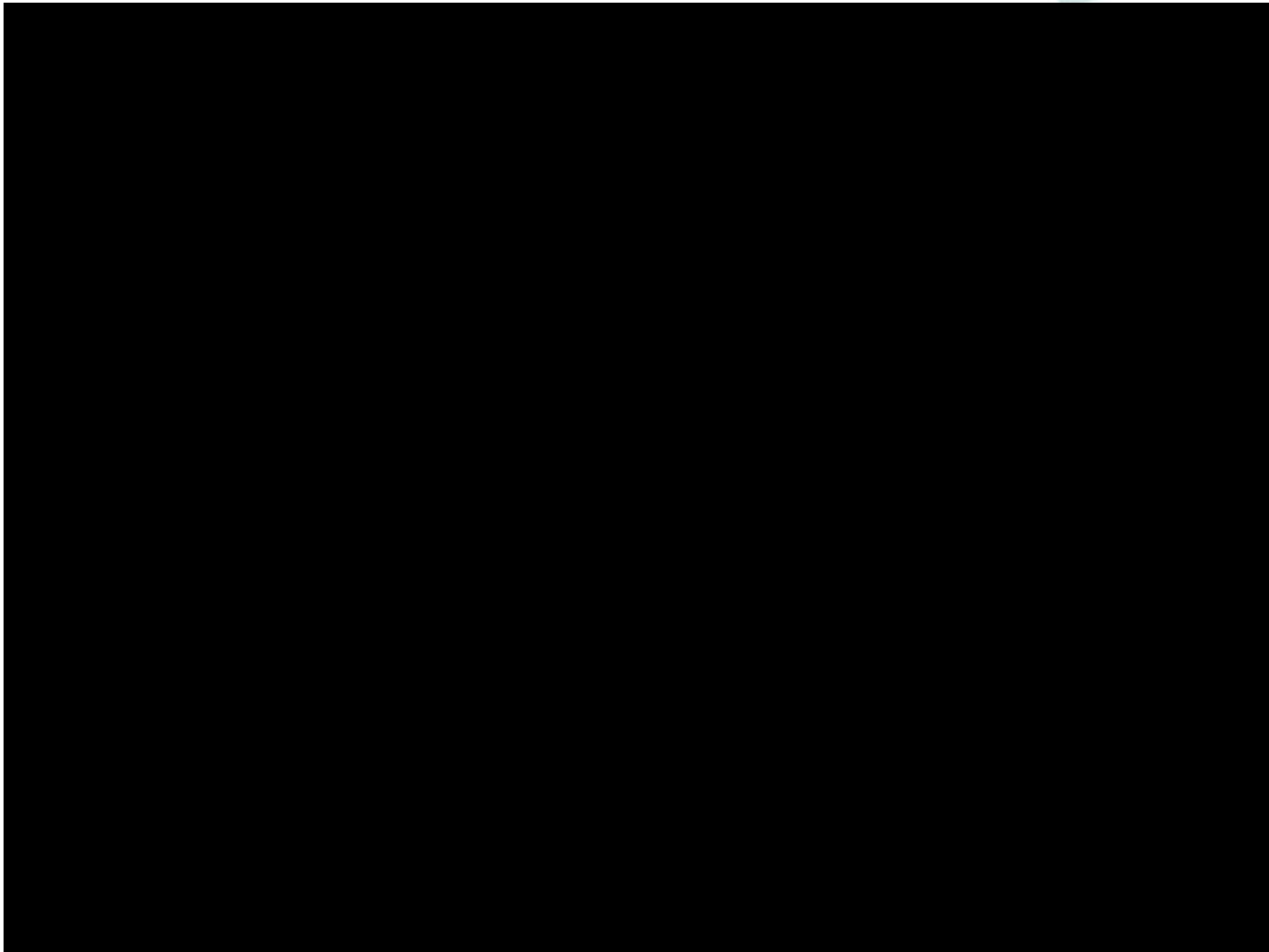
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Video



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THANK FOR YOUR ATTENTION

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