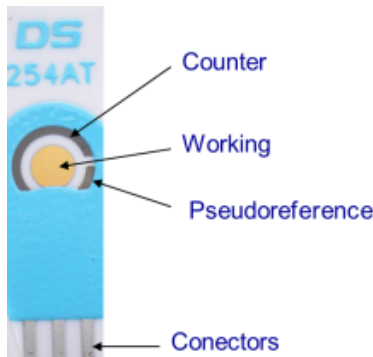
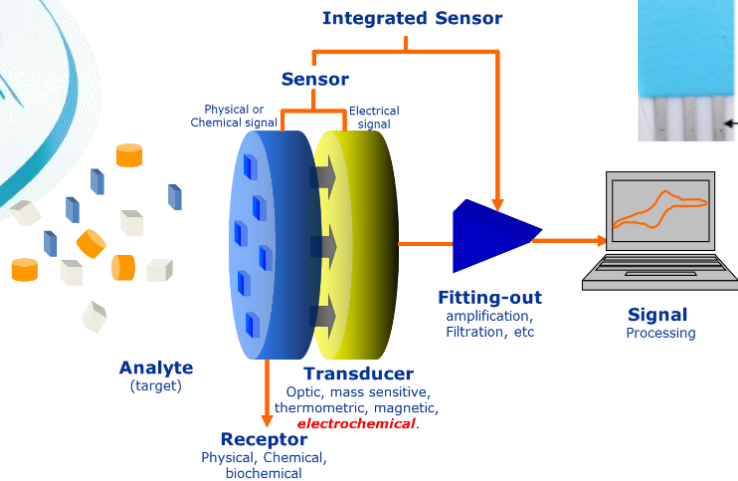


Sensing toxicants in Marine waters makes Sense using biosensors

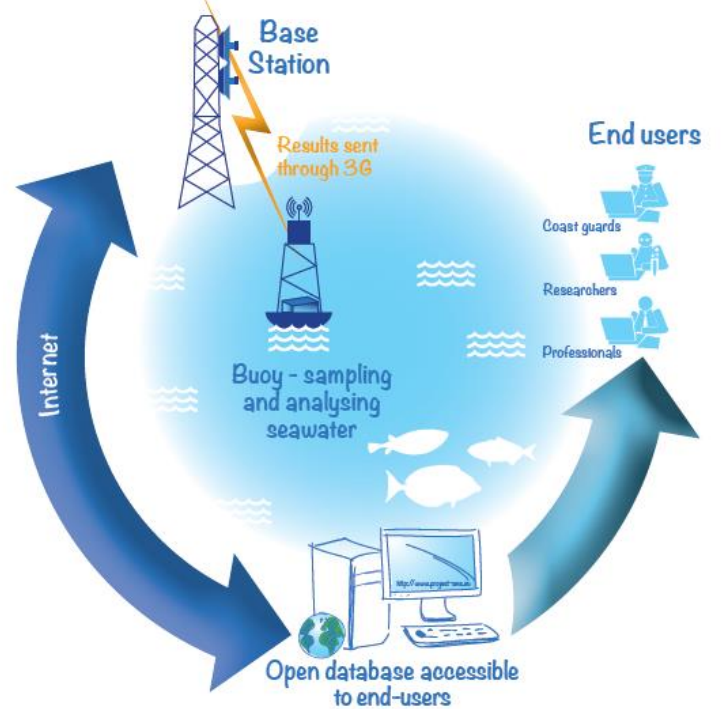
SMS develops an automated networked system to monitor *in situ* and in real-time marine water chemical and ecological status in coastal areas

PHASE 1 : Development and assembling biosensors

BIOSENSOR PRINCIPLE



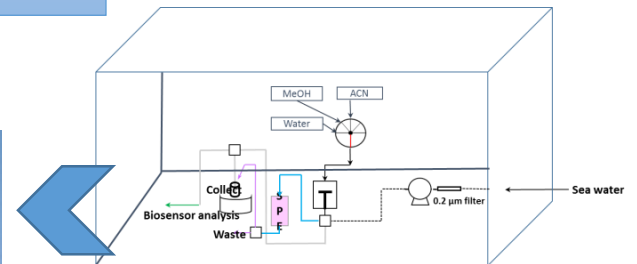
SCHEMA OF THE PROJECT



PHASE 2 : System integration for field use

Implementation of an intuitive REST API for data collection and system management

Sampling and pre-concentration device development

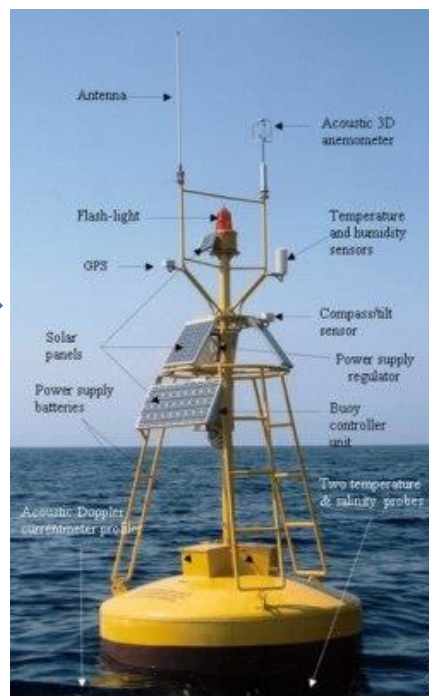


Development of modular automated measurement prototypes and local control unit

The micro Loop Flow Reactor



Fluorimetric orthophosphate on-line module for Ferrybox



PHASE 3 : Validation - laboratory and field tests

ANALYSIS MODULE

- Algal marine toxin detection
- Biocidal and flame retardant compounds detection
- Sulfonamide detection
- Marine toxic algae detection

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