Sensing toxicants in Marine waters makes Sense using biosensors

Ensuring Good Environmental Status of EU marine waters through efficient monitoring programmes

July, 10th 2017 – 16:30-18:30
European Parliament - Room ASP 3H1

Chaired by MEP Ricardo Serrão Santos

- Welcome address by MEP Ricardo Serrao Santos

The SMS project: EU technologies to assess the quality of marine waters

- **Management and scientific development:** *Konstantinos Petropoulos, University Roma II – SMS Project Coordinator*
- **Bringing the project to the market**: *Luca Sanfilippo, SYSTEA*

Financing innovation for blue growth

- **EU Research funding for policy implementation tools** *–Sigi Grüber, Head of Unit, DG Research*
- Cecilia Donato, **Copernicus Marine Service** (financed by DG Growth)
- **MSFD indicators and national monitoring programmes** – *David Connor*, Unit Marine Environment and Water Industry, *DG Envi*

The end users perspective

- Filipe Porteiro, **Authority of marine affairs of the Açores, Portugal**
- **Eurogoos** (tbc)
- **CRPM** (tbc)

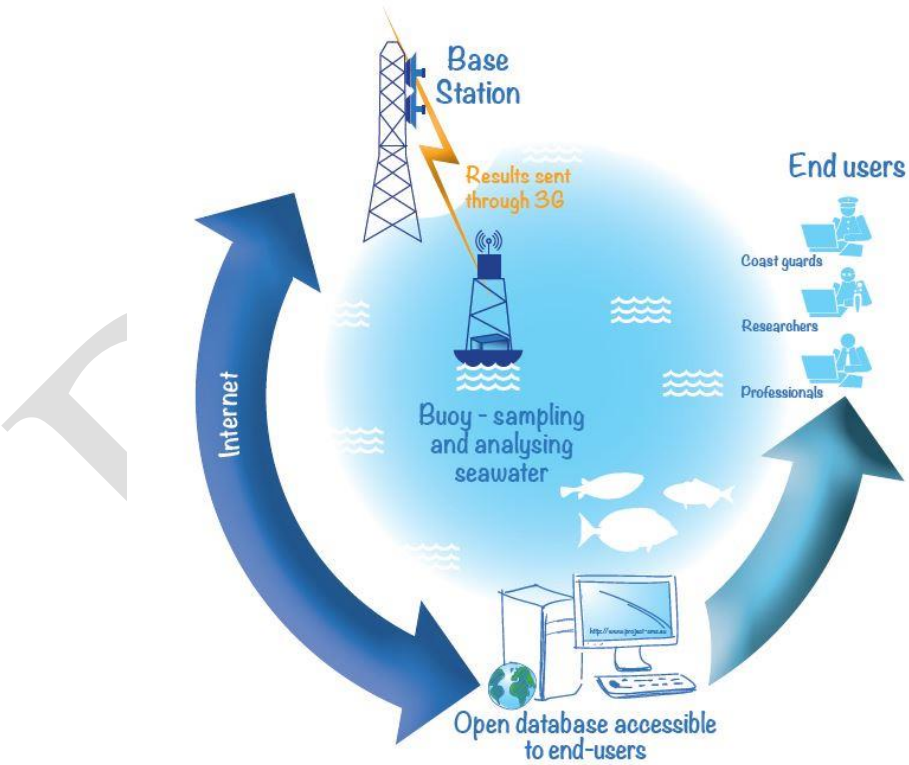
- Conclusions by the Chair

This project has received funding from the European Union's Seventh Framework Programme for research, technological development and demonstration under grant agreement no 613844

Information about SMS

Increasing urbanization, industrialization, global change and global transport in combination with climate change have lead to the appearance of a series of biotic and abiotic emerging pollutants that threaten the health of global ocean and marine species. The need for sustainable management of biodiversity and the marine environment are major priorities in the global environmental agenda to significantly minimize habitat degradation and preserve ocean health. Addressing this urgent need, the SMS project (www.project-sms.eu) funded by the European Commission Oceans of Tomorrow FP7 program has advanced the research front in real-time *in situ* ocean monitoring by developing innovative methodologies to detect/identify and measure emerging pollutants, such as toxic algal species and their associated toxins, pharmaceuticals and other hazardous compounds.

The SMS concept is based on a novel automated networked system that enables unattended measurement of (i) toxic algal species and their associated toxins, (ii) hazardous compounds, (iii) sulphonamides and a (iv) series of standard water quality parameters. The water monitoring system is equipped with a communication module for real-time wireless data transfer to a remote control centre, where data processing takes place, enabling alarm functionality of early warning system.



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