

Eutrophication: a response of the sea biology to human activities.

Importance of the coastal zone for:

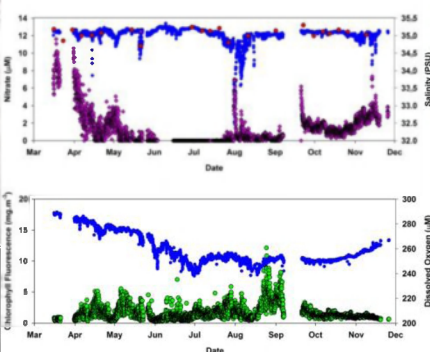
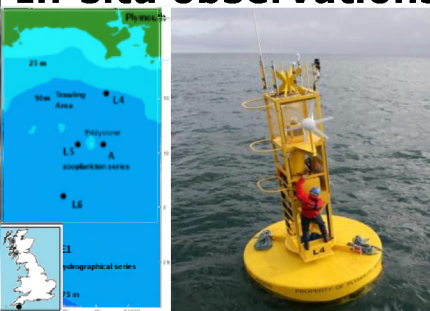
- economic activities
- for exploitation of resources and food
- preferred area for settlement and recreation

Eutrophication is a major cause of the decreasing Water Quality in the coastal zone because of:

- agricultural practices (soil nutrients entering the seas via rivers)
- industrial/traffic human activities (air pollutants deposited into waters)

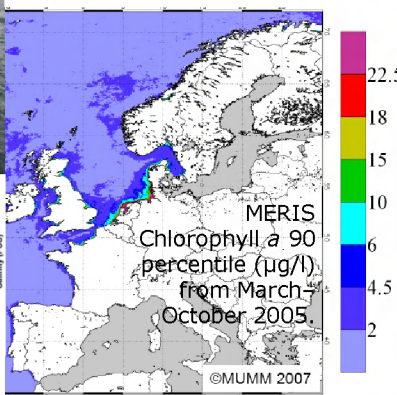


In-situ observations



2009 NO₃, Sal, Chla, O₂ L4 buoy
(www.westernchannelobservatory.org.uk/)

Remote Sensing



Objectives

1- Scientific:

- characterization of coastal ecosystem health status (using in situ measurements and developing Earth observation products)
- prediction of coastal ecosystem responses to human activities (mathematical modelling)
- assessment of the socio economical impacts.

2- Users involvement:

- Raise the general public awareness through education on eutrophication and its causes
- Policy makers requirements assessed through a questionnaire

3- Dissemination:

The results of this project will be made available through 2 web servers to users :

- general public,
- scientific community,
- monitoring agencies,
- policy makers.

Political context

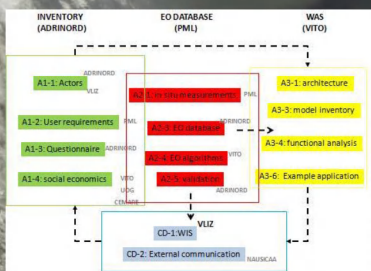
Dealing with environmental issues, ISECA naturally contributes to International and European strategies:

- corresponds to the International OSPAR Commission objectives .
- contributes to the Article 6 of the ERDF-regulation (alinea 2 and 4) policy in the frame of Lisbon and Gothenburg strategies.
- contributes to the Global Monitoring for Environment and Security (GMES) programme, aimed at delivering an operational Earth Observation capacity.

International Partnership



Project Management



Funding



Coordinator and contact -

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