

# Topic of interest

KBBE.2010.3.2-04: Innovative aquatic biosensors

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# Where is "sensing" relevant

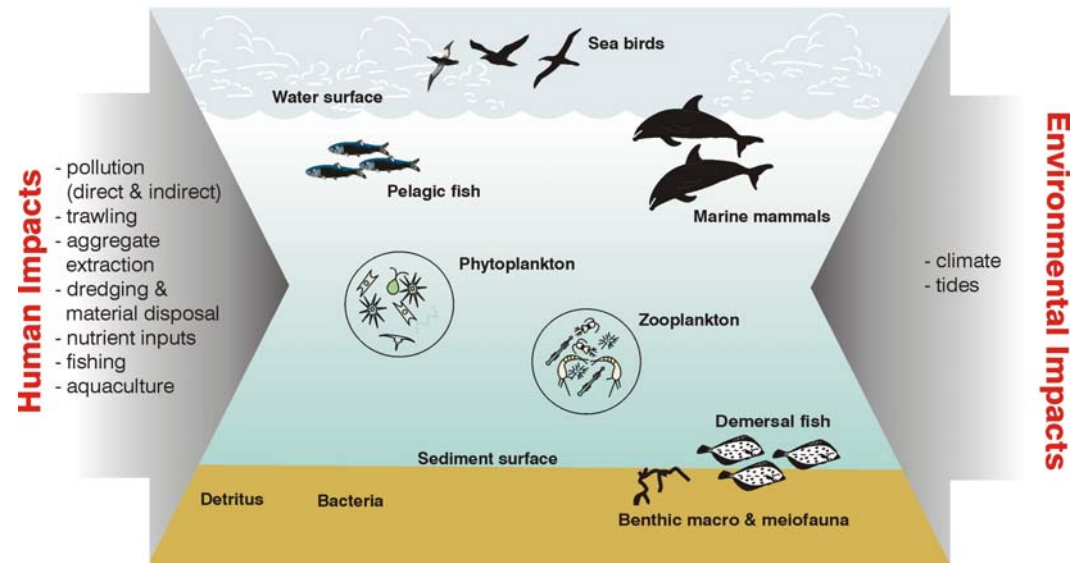
- In several compartments of the marine *ecosystem*

✓ Seawater

✓ Primary trophic levels

✓ Higher trophic levels

## "Integrated ecosystem approach"



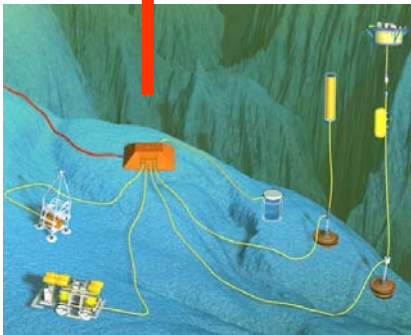
(Kröger and Law, 2005)



Surface buoy  
(Cefas)



Water column station  
(Biotaguard)



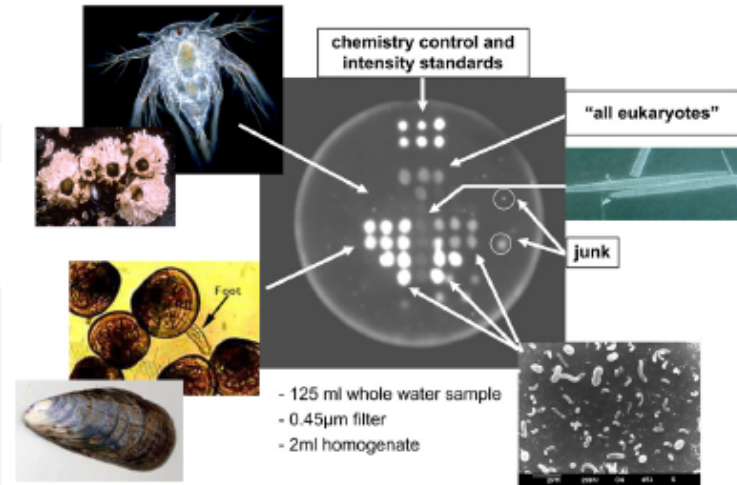
Deep-sea station  
(ESP)

- ✓ Flow cytometry
- ✓ Algae, bacteria



## • Environmental Sampling Processor - MBARI

- ✓ *In situ* real-time molecular probe technology
- ✓ Algae, bacteria, larvae



Existing collaboration: Norway, Denmark, Sweden,  
Germany, Italy, UK, USA

Interested in more partners especially  
owners/developers of potential biosensing  
technologies for maritime monitoring

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