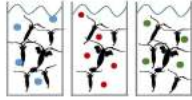




Laboratory facilities



Copepods



Mussels



Work with two models of marine organisms: copepods (*Acartia tonsa*, *Pseudodiaptomus* sp., *Eurytemora* sp., etc.) and mussel (*Mytilus edulis*).

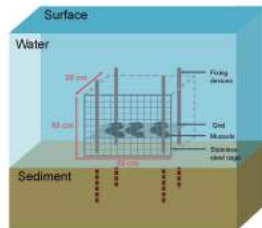
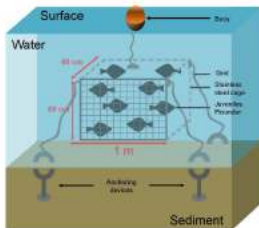
Work in aquaria in a monitored environment with controlled water and air supplies.

Ad hoc working place



Manipulations performed in a specific laboratory
Use of laminar flow cabinet (HEPA 14 filters)

Field studies facilities



Caging experiences:

Caging of marine organisms (bivalves, fish)
Used for biomonitoring of specific places
Control over the sampled area, possibility of having in situ metadata
Compromise between field data and laboratory experiments



Field sampling possibilities close to laboratories:

Natural deposit of bivalves, large beaches, estuaries
Access to sampling campaigns
Establishment in one of the first French fishing port

Particles characterization



Stereomicroscopy:

Observation and measure of particles
Automatic counting of particles
Estimation of the size/volume

Identification of polymers



Raman microspectroscopy:

Non destructive approach
Identification of small polymers (down to 5 µm)



Py-GC/MS:

Analyses of single polymers or mixture
Possible quantification of polymers
No interference of colouring agents



Py-GC/HRMS:

Possibility to detect nanoplastics
Detection of additives and Hydrophobic organic compounds (HOCs)