



International workshop

# Fate and impact of microplastics in marine ecosystems

13-15 january 2014

IUEM, Brest, France

**Pre registration and abstract submission deadline**

October 1st 2013

**Notification of selection**

October 15 2013

**Final registration deadline**

October 30

**NO REGISTRATION FEE**

## SCIENTIFIC COMMITTEE

François GALGANI (Ifremer, France), Arnaud HUVET (Ifremer, France), Philippe SOUDANT (CNRS, France), Johan ROBBENS (ILVO, Belgium), Lisa DEVRIESE (ILVO, Belgium), Sabine DERVEAUX (ILVO, Belgium), Dick VETHAAK (Deltares, Netherlands), Myra VAN DER MEULEN (Deltares, Netherlands), Thomas MAES (CEFAS, United Kingdom)

## Information

**Web site:** <http://micro2014.sciencesconf.org>

**Contact:** P. Soudant & R. Sussarellu : [micro2014@sciencesconf.org](mailto:micro2014@sciencesconf.org)



# Workshop tentative programme

## Day 1 (January 13)

### Session I: Occurrence of microplastics in the marine environment

- Methodological issues regarding solid and liquid samplings.
- Towards new detection techniques and scale up (Raman, FTIR,...)?
- Compartmentalization in the marine environment (estuaries, beach, inshore, offshore) (water column, seabed, sea surface, coastline) .
- Towards simulation of transport and accumulation zones using models .

### Session II Microplastics, as vectors of biological and chemical contaminants

- Characterization and quantification of adsorbed chemical pollutants .
- Microplastics, as “habitats” for pathogen bacteria (both for human and marine organisms)?
- Risk assessment for microplastics associates contaminants.

## Day 2 (January 14)

### Session III: Impacts of microplastics on the marine life

- What is the current level the microplastics contamination in marine organisms ?
- Impact of ecological niches and trophic levels (food chain, nutrition) on microplastics contamination in marine organisms?
- Experimental approaches to assess effects of microplastics on marine organisms .
- Effects of chemical pollutants adsorbed microplastics on marine organisms ?
- Microplastics as a favoring factor for vibriosis in bivalves?

### Session IV: Socioeconomic impacts of microplastics

- Societal and economical impacts of microplastics (e.g. on aquaculture, tourism, recreation, etc) .
- Support model in policy for science based decision indicators/descriptors for GES (Good Environmental Status).

## Day 3 (January 15)

### Session V: Place for young scientists

- The benjamin workshop on microplastics by local secondary schools (Poster and Oral presentation).
- The junior workshop on microplastics by local master students.

### Session VI: Outreach and mitigation regarding «microplastics»

- Short restitution to local stakeholders.
- Discussion on mitigating actions to counter the problem of microplastics.
- Discussion on the implementation of information campaigns.

## INSTITUT UNIVERSITAIRE EUROPEEN DE LA MER

Technopôle Brest-Iroise, Rue Dumont D'Urville, 29280 Plouzané - France  
Tel. (33) 02 98 49 86 00 - Fax : (33) 02 98 49 86 09  
www-iuem.univ-brest.fr

