MICRO 2016 is an initiative of the Lanzarote Biosphere Reserve within the UNESCO MAB programme and the network of scientists Marine Sciences For Society.

Lanzarote, May 2016
Word of Welcome

We are pleased to welcome the scientific community and stakeholders to MICRO 2016, a three-day international conference, hosted in Lanzarote, Canary Islands, Spain 25 - 27 May 2016:

Fate and Impact of Microplastics in Marine Ecosystems: From the Coastline to the Open Sea

Nearly all aspects of daily life involve plastics, and the production of plastics has increased significantly in recent decades. Plastic is widely used since it is versatile, light, durable and “cheap”. These same qualities allow it to travel over long distances across oceans and seas if we do not manage it carefully. Consequently, plastic is becoming an ever-increasing problem due to its low production cost, potential toxicity and universal presence. Plastics are persistent materials, which tend to accumulate in the marine environment from coasts to the open sea.

Microplastics (MPs) are defined as all plastic particles less than 5 mm and come from two sources: (i) primary MPs, which include industrial abrasives, exfoliants, cosmetics and pre-production plastic pellets; (ii) secondary MPs, which come from the fragmentation of plastics.

MPs can contain additives such as UV-stabilizers, colourings, flame retardants and plasticizers, which are transported by the plastic pieces and are susceptible to being taken up by living organisms. These plastics can accumulate persistent organic pollutants (POPs) from the environment and facilitate their transfer into marine food webs. They can also be a vector for invasive species and harmful pathogens.

Although impacts of MPs in marine ecosystems have been reported in the literature since the 70’s, many questions still remain open.

MICRO 2016 provides an opportunity to share available knowledge, fill in gaps, identify new questions and research needs, and develop commitments to operationalize solutions.

Thanks to everyone who submitted abstracts.

The high quality of the scientific material and
the engagement of the Organizing Board and Scientific Committee
allow us to Welcome You to MICRO 2016.
The members of the Organizing Board and Scientific Committee:

Reserva de la Biosfera de Lanzarote, Cabildo de Lanzarote: Ana Carrasco and Aquilino Miguelez.
Observatoire de Versailles SQY: Juan Baztan, Mateo Cordier and Jean-Paul Vanderlinden.
Plymouth University: Sabine Pahl and Richard Thompson.
CNRS: Thierry Huck, Ika Paul Pont and Philippe Soudant.
Universitat Politecnica de Catalunya: Agustin Sanchez-Arcilla.
Instituto Espanol de Oceanografia: Jesus Gago and Luis Valdes.
CSIC: Elisabetta Broglio and Joaquim Garrabou.
UNAM: Ana Carolina Ruiz.
IFREMER: Francois Galgani and Arnaud Huvet.
Université de Moncton: Omer Chouinard and Celine Surette.
Universidad de Cadiz: Andres Cozar and Abelardo Gomez Parra.
Instituut voor Landbouw-en Visserijonderzoek: Lisa Devrieses and Johan Robbens.
National Institute of Chemistry: Andrej Krzan.
Cornell University: Bethany Jorgensen.
Université Libre de Bruxelles: Didier Peeters.
Alfred Wegener Institute: Melanie Bergmann, Gunnar Gerdts and Lars Gutow.
The University of Maine: Jeffrey Runge.
NUI Galway: Amy Lusher.
Université du Maine: Fabienne Lagarde.
Universidade Federal de Pernambuco: Monica Ferreira da Costa and Juliana A. Ivar do Sul.
Università degli Studi di Siena: Maria Cristina Fossi.
SINTEF: Andy Booth.
Latvijas Universitāte: Raimonds Ernsteins.
National Oceanic and Atmospheric Administration: Carlie Herring and Nancy Wallace.
UNESCO Intergovernmental Oceanographic Commission: Henrik Enevoldsen.
UNESCO MaB: Miguel Clüsener-Godt.
European Commission: Georg Hanke.

Are glad to Welcome you and wish you a great conference.
May 25th 2016

8h30-9h30 **Registration**

9h30-10h **Welcome and Official Opening**

10h-11h20 Session I. **Chair persons:** Arnaud Huvet and Mateo Cordier.

**Coffee break 20’**

11h40’-13h Session II. **Chair persons:** Miguel Clüsener-Godt and Jesús Gago.

**13h-15h Lunch break, please see the map for options or ask the Organizing Team**

15h-16h10 Session III. **Chair persons:** May Gomez and Alicia Herrera.

**Coffee break 20’**

16h30-17h30 Session IV. **Chair persons:** María Cristina Fossi and Ana Liria.

**17h30-19h Posters and side event “Education”**

19h-20h30 Session V. **Chair persons:** Sabine Pahl and Jean-Paul Vanderlinden.

Discussion and conclusions

21h Social event: **Theater performance** "Tortuga y el mar" at the Teatro Insular, Rambla Medular 65, Arrecife

May 26th 2016

9h-10h30 Session VI. **Chair persons:** Lars Gutow and Fabienne Lagarde.

**Coffee break 30’**

11h-13h Session VII. **Chair persons:** Gunnar Gerdts and Johan Robbens.

**13h-15h Lunch break, please see the map for options or ask the Organizing Team**

15h-16h10 Session VIII. **Chair persons:** Melanie Bergmann and Juan Baztan.

**Coffee break 20’**

16h30-17h30 Session IX. **Chair persons:** Elisabetta Broglio and Ted Packard.

17h30-19h **Posters**

19h-20h30 **Public keynote:** “Dialogue between natural and social sciences”

*By François Galgani and Jean-Paul Vanderlinden.*

**20h30 Informal dinner for registered participants**

May 27th 2016

9h-10h30 Session X. **Chair persons:** Céline Surette and Quino Miguelez.

**Coffee break 30’**

11h-13h Session XI. **Chair persons:** Andrej Kržan and Bethany Jorgensen.

**13h-15h Lunch break, please see the map for options or ask the Organizing Team**

15h-16h10 Session XII. **Chair persons:** Andy Booth and Raimonds Ernsteins.

**Coffee break 20’**

16h30-17h30 Session XIII. **Chair persons:** Amy Lusher and Omer Chouinard.

17h30-19h **Posters and side event “Sharing Responsibilities”**

**19h Conclusions: Lanzarote’s Declaration**
MICRO 2016 Programme

MICRO 2016 Detailed Programme,
May 25th 2016

8h30-9h30 Registration
9h30-10h Welcome and Official Opening

10h-11h20 Session I - Chair persons: Arnaud Huvet and Mateo Cordier.

Ia
Microplastics as Vectors of Polycyclic Aromatic Hydrocarbons (PAHs) via Chemical Adsorption and Desorption. C. Blair Crawford et al.

Ib
Plastic and restricted heavy metals. A. van Oyen et al.

Ic
Citizen Research for Ocean Conservation. M. Boertien et al.

Id
All is not lost: Fragmentation of Plastic at Sea. A. Koelmans et al.

Ie

If
Sources and fate of microplastics in Swiss surface waters. F. Faure et al.

Ig
Microplastics in a UK sewage treatment plant. T. Maes et al.

Coffee break 20’

11h40-13h Session II - Chair persons: Miguel Clüsener-Godt and Jesús Gago.

Iia
Fates of plastic pollution in a major urban river: persistence and bacterial colonisation of oil-based plastics and bioplastics in the Yarra River, Melbourne, Australia. T. Gundry et al.

Iib
Presence and abundance of microplastics in sediments of tributaries of the River Thames, UK. A. Horton et al.

Iic
Microplastics in different compartments of the urban water cycle: from the sources to the rivers. R. Dris et al.

Iid
Validation of a density separation technique for the recovery of microplastics and its use on marine & freshwater sediments. B. Quinn et al.

Iie
The North Pacific accumulation zone: ocean plastic concentrations and impacts. J. Reisser et al.
IIf
Microplastics in Singapore's coastal mangrove ecosystems. N-H-M. Nor et al.

IIg
A quantitative analysis of microplastic pollution along the south-eastern coastline of South Africa. H. Nel et al.

IIh
Modelling the global distribution and risk of small floating plastic debris. E. van Sebille et al.

13h-15h Lunch break, please see the map for options or ask the Organizing Team

15h-16h10 Session III - Chair persons: May Gomez and Alicia Herrera.

IIIa
Plastic pollutants within the marine environment of Durban, KwaZulu-Natal, South Africa. T. Naidoo et al.

IIIb
Reading between the grains – Microplastics in intertidal beach sediments of a World Heritage Area: Cleveland Bay (QLD), Australia. R. Schoeneich-Argent et al.

IIIc
Patterns of plastic pollution in offshore, nearshore and estuarine waters of Perth, Western Australia. S. Hajbane et al.

IIIId
Microplastic Distribution and Composition in the Israeli Mediterranean Coastal Waters. N. van der Hal et al.

IIIe
Occurrence of microplastics in the South Eastern Black Sea. U. Aytan et al.

IIIff
Microplastics migrations in sea coastal zone: Baltic amber as an example. I. Chubarenko.

IIIg
Simultaneous trace analysis of nine common plastics in environmental samples via pyrolysis gas chromatography mass spectrometry (Py-GCMS). M. Fischer et al.

Coffee break 20’

16h30-17h30 Session IV - Chair persons: Maria Cristina Fossi and Ana Liria.

IVa
Presence of microplastics and nanoplastics in food, with particular focus on seafood. A. Maggiore et al.

IVb
The human plastic print in Mediterranean deep submarine canyons. M. Canals et al.
IVc
State of knowledge on human health implications on consumption of aquatic organisms containing microplastics. *E. Garrido Gamarro et al.*

IVd
Uptake and Ecotoxicity of microplastic particles (polystyrene) by Daphnia magna. *R. Aljaibachi et al.*

IVe
Effects of PVC and Nylon microplastics on survival and reproduction of the small terrestrial earthworm *Enchytreus crypticus*. *A. Walton.*

IVf
Microplastics: who is at risk? *R. Saborowski et al.*

IVg
Engagement options for the implementation of the European Atlantic Plan. *F. Cardona.*

17h30-19h Posters and side event “Education”

19h-20h30 Session V - Chair persons: Sabine Pahl and Jean-Paul Vanderlinden.

Va

Vb
Monitoring of plastic pollution in the North Sea. *E. Leemans.*

Vc
Voluntary beach cleanups at Famara Beach, Lanzarote. *N. Ruckstuhl et al.*

Ve

Vf
Agüita con el Plástico: Society as part of the solution of plastic pollution. *J-C Jiménez et al.*

Vg
No Plastic campaign makes a difference in Island of Principe Biosphere Reserve. *M. Clüsener-Goedt et al.*

Vh

Vi
Tackling microplastics on land: citizen observatories of anthropogenic litter dynamics within the MSCA POSEIDOMM project. *L. Galgani et al.*

Vj
Environmental Science Education - Methodologies to promote Ocean Literacy. *F. Silva et al.*

Discussion and conclusions
May 26th 2016

9h-10h30 Session VI - Chair persons: Lars Gutow and Fabienne Lagarde.

VIa
Microplastics, convergence areas and fin whales in the northwestern Mediterranean Sea. M-C. Fossi et al.

VIb
Microplastics in marine meso-herbivores. L. Gutow et al.

VIc
Investigating the Presence and Effects of Microplastics in Sea Turtles. E. Duncan et al.

VID
Microplastics presence on sea turtles. P. Ostiategui-Francia et al.

VIE
Factors determining the composition of plastics from the South Pacific Ocean - Are seabirds playing a selective role? V. Hidalgo-Ruz et al.

VIF
Micro- and macro-plastics associated with marine mammals stranded in Ireland: Recent findings and a review of historical knowledge. A. Lusher et al.

VIG
Primary (ingestion) and secondary (inhalation) uptake of microplastic in the crab Carcinus maenas, and its biological effects. A. Watts et al.

VIH
Plastic in Atlantic cod (Gadus morhua) from the Norwegian coast. D. Pettersen Eidsvoll et al.

VIJ
Extraction and characterization of microplastics in marine organisms sampled at Giglio Island after the removal of the Costa Concordia wreck. C. Giacomo Avio et al.

Coffee break 30’

11h-13h Session VII - Chair persons: Gunnar Gerdts and Johan Robbens.

VIIa

VIIb
Floating plastic marine debris in the Balearic Islands: Ibiza case study. M. Compa et al.

VIIc
Enzymes – essential catalysts in biodegradation of plastics. G. Guebitz et al.
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VIId
Studies of microplastics from the Irish marine environment. A. Lusher.

VIIe
Deposition of microplastics in marine sediments from the Irish continental shelf. J. Martin et al.

VIIf
Where go the plastics? And whence do they come?
From diagnosis to participatory community-based observatory network. J. Baztan et al.

VIIg
Distribution and composition of microplastics in Scotland’s seas. M. Russell et al.

VIIh
Marine litter accumulation in the Azorean Archipelago: Azorlit preliminary data. J. Frias et al.

VIIi
Microplastics in the Adriatic - Results from the DeFishGear project. A. Palatinus et al.

VIIj
Floating microplastics in Mediterranean surface waters. G. Suaria et al.

VIIk

VIII
Operational forecasting as a tool for managing pollutant dispersion and recovery. A. Sánchez-Arcilla et al.

13h-15h Lunch break, please see the map for options or ask the Organizing Team

15h-16h10 Session VIII - Chair persons: Melanie Bergmann and Juan Baztan.

VIIIa
What do we know about the ecological impacts of microplastic debris? C. Rochman et al.

VIIIb
Qualitative and quantitative investigations of microplastics in pelagic and demersal fish species of North and Baltic Seas using pyrolysis-GCMS. B. Scholz-Böttcher et al.

VIIIc
Microplastics extraction method from small fishes, on the road to the standard monitoring approach. S. Budimir et al.

VIIIId
Microplastic effects in Mullus surmuletus: Ingestion and induction of detoxification systems. C. Alomar et al.

VIIIe
VIIIe1 Assessment of microplastics present in mussels collected from the Scottish coast. A. I Catarino et al.; VIIIe2 Bioavailability of co-contaminants sorbed to microplastics in the blue mussel Mytilus edulis. A. I Catarino et al.
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VIIIIf
Exploring the effects of microplastics on the hepatopancreas transcriptome of *Mytilus galloprovincialis*. *M. Milan et al.*

VIIIIf
Plastic bottom: Microplastics in the benthic zone. *R. Coppock et al.*

Coffee break 20'

16h30-17h30 Session IX - Chair persons: Elisabetta Broglio and Ted Packard.

IXa
The Characterisation, Quantity and Sorptive Properties of Microplastics from Cosmetics. *I. Napper et al.*

IXb
Beach sweep initiatives on the Acadian Coastline in Atlantic Canada. *O. Chouinard et al.*

IXc
A social-ecological approach to the problem of floating plastics in the Mediterranean Sea. *L. Ruiz Orejon et al.*

IXd

IXe
Informing policy makers about state of knowledge and gaps on microplastics in the marine environment. *T. Bahri.*

IXf
Microplastics in cosmetics: Exploring perceptions of environmentalists, beauticians and students. *S. Pahl et al.*

17h30-19h Posters

19h-20h30 Public Keynote: “Dialogue between natural and social sciences”

*By François Galgani and Jean-Paul Vanderlinden.*

The Poster Awards will be announced at 20h27...

20h30 Informal dinner for registered participants
May 27th 2016

9h-10h30 Session X - Chair persons: Céline Surette and Quino Miguelez.

Xa Plastics and Zooplankton: What do we know? P. Lindeque et al.

Xb Microtrophic Project. A. Herrera et al.

Xc Biofouling of microplastics promotes their ingestion by marine zooplankton: implications for food web magnification and experimental design. R. Vroom et al.

Xd Source to sink: Microplastics in benthic fauna in a gradient from discharge points to deep basins in an urban model fjord. M. Haave et al.

Xe Uptake and toxicity of methylmethacrylate-based nanoplastic particles in aquatic organisms. A. Booth et al.

Xf On the potential role of phytoplankton aggregates in microplastic sedimentation. M. Long et al.

Xg Hitchhiking microorganisms on microplastics in the Baltic Sea. S. Oberbeckmann et al.

Xh Microplastic Prey? – An assay to investigate microplastic uptake by heterotrophic nanoflagellates. A. Madita Wieczorek et al.

Xi Microplastics in seafood: identifying a protocol for their extraction and characterization. G. Duflos

Coffee break 30'

11h-13h Session XI - Chair persons: Andrej Kržan and Bethany Jorgensen.

Xla Vast quantities of microplastics in Arctic sea ice – a prime temporary sink for plastic litter and a medium of transport. M. Bergmann et al.

Xlb Modelling the effect of biofouling on the vertical distribution of microplastic in the oceans. M. Kooi et al.

Xlc Microplastics in the Bay of Brest (Brittany, France): composition, abundance and spatial distribution. L. Frère et al.

Xld Modelling the movement, fate and impact of microplastic debris in UK coastal waters. J. Clark et al.

The effects of microplastic on freshwater *Hydra attenuatta* morphology & feeding. F. Murphy.

Evidence of microplastic ingestion in elasmobranchs in the western Mediterranean Sea. S. Deudero et al.

Do microplastic particles impair the performance of marine deposit and filter feeding invertebrates? Results from a globally replicated study. M. Lenz et al.

Marine snows act as a vector of transport of microplastic to the benthos and change the uptake of plastics to the Blue Mussel (*Mytilus edulis*). A. Porter et al.

Occurrence of potential microplastics in commercial fish from an estuarine environment: Preliminary results. F. Bessa et al.

Microscopical investigation of polystyrene microparticles colonisation by *Vibrio crassostreae*. V. Foulon et al.

Improvements and needs of microplastics analytical control at open sea – opportunities for monitoring at Canary Islands. D. Vega-Moreno et al.

13h-15h Lunch break, please see the map for options or ask the Organizing Team

15h-16h10 Session XII - Chair persons: Andy Booth and Raimonds Ernsteins.


A new approach in processing freshwater suspended particulate matter for separating microplastics. S. Hatzky.

Microplastics - microalgae: an interaction dependent on polymer type. F. Lagarde et al.

Characterization of the level and composition of floating microplastic particles in the Stockholm Archipelago. B. Gewert et al.

Quantifying the impact of microscopic plastic debris on antibiotic resistance evolution. T. Galloway.

Nearshore circulation in the Confital Bay: Implications on marine debris transport and deposition at Las Canteras Beach. L. Mcknight Morales et al.
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XIIg
New approaches of the extraction and identification of microplastics from marine sediment. *M. Kedzierski et al.*

Coffee break 20'

16h30-17h30 Session XIII - Chair persons: Amy Lusher and Omer Chouinard.

XIIIa
Using physical and chemical characteristics of floating microplastics to investigate their weathering history. *K. Law et al.*

XIIIb
The size spectrum as tool for analyzing marine plastic pollution. *E. Marti et al.*

XIIIc
Automated analysis of µFTIR imaging data for microplastic samples. *S. Primpke et al.*

XIIIId
Combined Effects of UV Exposure Duration and Mechanical Abrasion on Fragmentation and Particle Size Distribution of Polyethylene, Polypropylene and Expanded Polystyrene. *W. J. Shim et al.*

XIIIe
Solar radiation induced degradation of common plastics under marine exposure conditions. *A. Andrady et al.*

XIIIIf
Using the FlowCam to validate an enzymatic digestion protocol applied to assess the occurrence of microplastics in the Southern North Sea. *C. Lorenz et al.*

XIIIg
DNA from the 'Plastisphere': an extraction protocol for ocean microplastics. *P. Debeljak et al.*

XIIIh
Quality assurance in microplastic detection. *C. Wesch et al.*

17h30-19h Posters and side event “Sharing Responsibilities”

19h Conclusions: Lanzarote’s Declaration
Posters

Dear participants, All posters can be hung up starting the morning of May 25th at 9h after registration. They must be removed by 19h on Friday the 27th.

-Note: Posters are listed in alphabetical order of 1st author, please keep the poster number in mind for the posters contest-.

The Poster Awards will be announced on the 26th at 20h27’ during the Public Keynote: “Dialogue between natural and social sciences”.

Are the densities of microplastics altered following interactions with Elminius modestus and sediment particles? R. Adams et al., poster number 102175

Macro- and micro-plastic in seafloor habitats around Mallorca. C. Alomar et al., poster number 102179

Evaluation of microplastics in Jurujuba Cove, Niterói. F. Araujo et al., poster number 94158

Presence, distribution and characterization of microplastics in commercial organisms from Adriatic Sea. C-G Avio et al., poster number 101916

The origin and fate of microplastics in saltmarshes. H. Ball et al., poster number 101818

Effects of microplastics and mercury, alone and in mixture, on the European sea bass (Dicentrarchus labrax): swimming performance and sub-individual biomarkers. L-G Barboza et al., poster number 101915

DNA damage evaluation of Polyethylene microspheres in Daphnia magna. A. Berber et al., poster number 102315

LITTERBASE - An online portal for marine litter and microplastics and their implications for marine life. M. Bergmann et al., poster number 102482

PLASTOX: Direct and indirect ecotoxicological impacts of microplastics on marine organisms. A. Booth et al., poster number 95410

Community-based Observatories tackling MICROPLASTIC: Spanish schools pilot project based on seawatchers.org. E. Broglio et al., poster number 101794

Tackling marine litter: Awareness and outreach in the Azores. R. Carriço et al., poster number 103441
Prevalence of microplastics in the marine waters of Qatar's Exclusive Economic Zone (EEZ). A. Castillo et al., poster number 100223

Microplastics contamination in three planktivorous and commercial fish species. F. Collard et al., poster number 100959

Spatial variation of microplastic ingestion in Boops boops in the Western Mediterranean Sea. M. Compa et al., poster number 102142

Source, transfer and fate of microplastics in the northwestern Mediterranean Sea: a holistic approach. M. Constant et al., poster number 102220

Microplastics in the final ocean frontier. W. Courtene-Jones et al., poster number 99166

Exposure @ Sea: the dynamic bacterial colonization of plastic. C. De Tender et al., poster number 111705

Microplastic abundance and distribution in the intertidal and subtidal marine environment around a major urban park in Vancouver, Canada. A. Diaz et al., poster number 102008

Microplastic ingestion by decapod larvae. E. Fileman et al., poster number 101119

May polystyrene microparticles affect mortality and swimming behaviour of marine planktonic invertebrates? Ch. Gambardella et al., poster number 101801

Improvement of microplastic extraction method in organic material rich samples. P. Garrido Amador et al., poster number 102239

PCB depuration via MP? A feeding experiment with Daphnia magna. Z. Gerdes et al., poster number 102358

Defining the Baselines and standards for Microplastics Analyses in European Waters (JPI-O BASEMAN). G. Gerds, poster number 100987

Effects of long term exposure with contaminated and clean micro plastics on Mytilus edulis. T. Hamm, poster number 102416

The City of Kuopio and Lake Kallavesi in the Finnish Lake District a 'living laboratory' for the microplastic pollution research in freshwater lakes. S. Hartikainen et al., poster number 102292
Analysis and quantification of microplastics in the stomachs of common dolphin (*Delphinus delphis*) stranded on the Galician coasts (NW Spain). *A. Hernandez-Gonzalez et al.*, poster number 99376 and 101623

First report of microplastics in bycaught pinnipeds. *G. Hernandez-Milian et al.*, poster number 102200

Preliminary results of Microtrophic Project. *A. Herrera et al.*, poster number 101570

The Contribution of Citizen Scientists to the Monitoring of Marine Litter. *V. Hidalgo-Ruz et al.*, poster number 103474

Non-target screening of organic substances in plastic marine debris and its new products. *S. H. Hong et al.*, poster number 102062

Experimenting on settling velocity of cylindrical microplastic particles. *I. Isachenko et al.*, poster number 101528

WEATHER-MIC - How microplastic weathering changes its transport, fate and toxicity in the marine environment. *A. Jahnke et al.*, poster number 91388

Expanded polystyrene debris as a source of hazardous additives for their inhabiting organisms. *M. Jang et al.*, poster number 102242

Formation of microplastics by lugworm inhabiting in expanded polystyrene marine debris. *M. Jang et al.*, poster number 102245

Uptake of textile polyethylene terephthalate microplastic fibres by freshwater crustacean *Daphnia magna*. *A. Jemec et al.*, poster number 103222

Assessment of microplastics toxicity from the acute and chronic exposure to *Cyprinodon variegatus*. *Y-J Jung et al.*, poster number 102096

Microplastic distribution on two northwestern Mediterranean beaches. *P. Kerhervé et al.*, poster number 102341

The depth profile of buoyant microplastics: How much does sea surface sampling overlook? *M. Kooi et al.*, poster number 102324

Effects of microplastics on digestive enzymes in the marine isopod *Idotea emarginata*. *Š. Korez et al.*, poster number 102408
Sinking behaviour of microplastics. *N. Kowalski et al.*, poster number 100878

Characteristics of Plastic in stomachs of Northern Fulmars (*Fulmarus glacialis*). *S. Kühn et al.*, poster number 100942

Microplastic sampling in the Mediterranean Sea. *J. Larsen et al.*, poster number 101871

Pilot study on microlitter in the surface waters of the Gulf of Finland, Baltic Sea. *K. Lind et al.*, poster number 101411

Persistent Organic Pollutants adsorbed on microplastics from the North Atlantic gyre. *M. Martignac et al.*, poster number 102442

First evidence of microplastics in the ballast water of commercial ships. *M. Matiddi et al.*, poster number 101548

Microlitter abundance in the Italian Minor Islands, Central Mediterranean Sea. *M. Matiddi et al.*, poster number 101615

In search of the plastic accumulation regions: fine-tuning ocean surface transport models. *R. McAdam et al.*, poster number 101799

Closing the gap between small and smaller: Towards an analytical protocol for the detection of Micro- and Nanoplastic in freshwater systems. *S. Mintenig et al.*, poster number 102484

Preliminary assessment of the microplastic presence in the Gulf of Genoa (Italy, Ligurian Sea, Northwestern Mediterranean Sea). *S. Morgana et al.*, poster number 101802

Toxicity assessment of pollutants sorbed on microplastics using various bioassays on two fish cell lines. *B. Morin et al.*, poster number 102337

Fate of microplastics in soft marine sediments. *P. Näkki et al.*, poster number 102107

Microplastic as a vector of chemicals to fin whale and basking shark in the Mediterranean Sea: A model-supported analysis of available data. *C. Pantić et al.*, poster number 101611

Methodological prerequisites for toxicity testing of microplastics using marine organisms. *J-W Park et al.*, poster number 102067

POPs adsorbed on plastic pellets collected in the Adriatic region. *M. Pflieger et al.*, poster number 102271
Retrospective study [2000-2014] of the impact of foreign body in cetaceans stranded on the Canary Islands. R. P. Puig Lozano et al., poster number 81459

The EPHEMARE Project: Ecotoxicological Effects of Microplastics in Marine Ecosystems. F. Regoli, poster number 101391

Suspended micro-sized PVC particles impair the performance and decrease survival in the Asian green mussel Perna viridis. S. Rist, poster number 101884

Priority pollutants in microplastics from beaches in Gran Canaria Island. M. Rodrigo et al., poster number 88302

Plastic debris in Mediterranean seabirds. A. Rodríguez et al., poster number 110743

Monitoring plastic ingestion in selected Azorean marine fauna: Azorlit preliminary data. Y. Rodríguez et al., poster number 101934

Catching a glimpse of the lack of harmonization regarding techniques of extraction of microplastics in marine sediments. E. Rojo-Nieto et al., poster number 96241

Marine Litter Action Plan for Lanzarote: An exercise from the MOOC on marine litter offered by the open university of the Netherlands and the UNEP. N. Ruckstuhl et al., poster number 101822

Floating plastics in the sea: People’s perception in the Majorca island (Spain). L. Ruiz Orejon et al., poster number 101076

Plastics in the Mediterranean Sea surface: From regional to local scale. L. Ruiz Orejon et al., poster number 101081

Analysis of organic pollutants in micro-plastics. S. Santana-Viera et al., poster number 101858

Sewage treatment plants as pathways for microlitter to the marine environment? A study from three Nordic countries. O. Setälä et al., poster number 102165

From the sea to the dining table and back to the environment: microlitter load of common salts. O. Setälä et al., poster number 102227

Sandy beaches microplastics of the Crimea Black Sea Coast. E. Sibirtova et al., poster number 100994
Plastic prey; are fish post-larval stages ingesting plastic in their natural environment? M. Steer et al., poster number 101113

Microplastic ingestion by planktivorous fishes in the Canary Current. A. Štindlová et al., poster number 102530

Effects of microplastics on benthic macroinvertebrates in freshwater ecosystems. L. Stuurman et al., poster number 102472

First quantification of microplastic in Norwegian fjords through non-disruptive ad-hoc sampling. M. Svendsen Nerheim et al., poster number 103400

Abundance of microplastics and adhered contaminants in the North Atlantic Ocean. K. Syberg et al., poster number 101866

Bioplastic and microbes. V. Turk et al., poster number 102595

Marine litter monitoring for coastal management indicator system development: citizen science and collaboration communication approach. J. Ulme et al., poster number 110276

Types and concentration of microplastics found on remote island beaches during the Race for Water Odyssey. K. Van Arkel et al., poster number 99434

A throwaway society: Is science stuck with single use plastic? What can we do about it? A. Watts et al., poster number 100868

Linking education and science to increase awareness of marine plastic litter - Distribution of plastic waste on beaches of the German Bight. A. Wichels et al., poster number 98897

Are smaller microplastics underestimated? Comparing anthropogenic debris collected with different mesh sizes. A. Wilson Mcneal et al., poster number 100984

Precipitation/Flotation Effect of Coagulant to microplastics in water. M. Yurtsever et al., poster number 105617

Personal care and cosmetics products (PCCPs): Is it cleaning or pollution? M. Yurtsever et al., poster number 105618

Detection of microplastics with stimulated Raman scattering (SRS) microscopy. L. Zada et al., poster number 102003
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