# MICROPLASTIC IN THE ENVIRONMENT

Sources, Impacts & Solutions

23–24 November 2015 Maternushaus, Cologne, Germany



+++ More than 200 participants expected +++
+++ Free exhibition booths for participants +++

Organiser





#### 1<sup>ST</sup> DAY: SOURCES & IMPACTS

11:00 Welcome Reception, Registration and Exhibition

12:00 Conference Opening



nova-Institut Dipl.-Phys. Michael Carus
Welcome address

Sources of Microplastics

University of Plymouth 
■ Prof. Richard Thompson

Accumulation and fate of marine litter in the oceans, sediments and sea ice

National Research Council Raffaela Mossotti
Alessio Montarsolo

Mitigation of microplastics release caused by textile washing processes



Icelandic Recycling Fund **=** Gudlaugur Sverrisson

Icelandic approach to take back of discarded fishing nets

Regional Examples in the EU

nova-Institut GmbH ==



**Roland Essel**Sources of microplastics relevant to marine protection in Germany

COWI A/S == Dr. Carsten Lassen

Relevant sources for microplastic particles – A Danish perspective on marine protection



Mepex Consult AS ##
Peter Sundt

Sources for microplastic pollution to the marine envrionment based on a study for the Norwegian EPA in 2014



Eunomia Research & Consulting Simon Hann

Scale of microplastic emissions in Europe – Insights of a study for the European Commission

14:30 Coffee Break

Impacts of Microplastics



TU Berlin Prof. Dr. Stephan Pflugmacher-Lima
Impacts from microplastic on plants and mussels in aquatic ecosystems



University of Bayreuth Prof. Christian Laforsch

Impacts of microplastics in freshwater ecosystems



Institute for European Environmental Policy 

Emma Watkins

Socio-economic implications of the microplastic problem – results of a study for UNEP



HYDRA Institute for Marine Sciences AG ■ & HYDRA Field Station, Centro Marino Elba ■ □ Dr. Miriam Weber

Marine littering and marine biodegradation of (bio-)plastics – evidence from the field

17:00 Coffee Break

Impulses for Discussion



University of Stuttgart Univ.-Prof. Dr.-Ing. Christian Bonten
The degradation of plastics – from material of unlimited opportunities to contaminants

in the environment



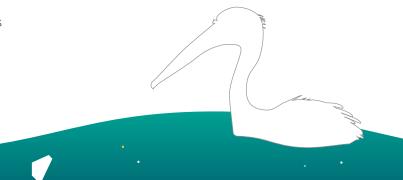
Plastic Soup Foundation 
Maria Westerbos
Jeroen Dagevos



Beat the microbead – International Campaigning against microplastics in personal care products

18:00 Plenum Discussion with Speakers of the 1st Day

19:00 Gala Dinner Buffet



#### 2<sup>ND</sup> DAY: SOLUTIONS

09:00 Start of the 2<sup>nd</sup> Conference Day

### Solutions from politics, industry and the public



Federal Environment Agency Stefanie Werner

Strategies to combat marine litter – from theory to action



PlasticsEurope 

Dr. Ingo Sartorius

Marine litter solutions: raw material producers' perspective



ECOVER Tom Domen

Producers responsibility updated: the case of ECOVER (requested)



BUND – Friends of the Earth e.V. — Nadja Ziebarth

Consumers choice: A crucial point to prevent microplastic emissions

11:00 Coffee Break

#### Special Focus: Applications, Biodegradability and Labeling of Biodegradable and Bio-based Plastics



Jan Ravenstijn Consulting 

Jan Ravenstijn

Functionality and application of biodegradable and bio-based plastics



OWS N.V. ■■ Bruno de Wilde

Degradation of bio-based Plastics in different Environments



OK compost Vinçotte Petra Michiels

Labeling of Marine Biodegradation

13:00 Lunch Break & Press Conference

# Substitution of conventional Plastics with Bio-based and Biodegradable Plastics and other materials



nova-Institut — Dipl.-Phys. Michael Carus

Top 10 Applications for biodegradable Plastics



Mango Materials, Inc. 

Dr. Molly Morse

The current Status of Microbeads and PHA: Legislation, Biodegradability and Material Selection



Bio4Life BV — Arjan Klapwijk

Self-adhesive compostable Fruit Labels from renewable Resources



#### TerraVerdae BioWorks !!! William C. Bardosh

Sustainable solutions and products as alternatives to microbeads and synthetic plastics



#### Lenzing Aktiengesellschaft — Dr. K. Christian Schuster

Cellulosic materials: Biodegradability, and products to provide solutions for microplastics pollution (requested)



#### PT Inter Aneka Lestari Kimia — Dr. Asmuwahyu Saptorahardjo

Cassava Starch-based Bioplastic, a potential solution for the Microplastic problem



#### Omya International AG 🚹 Tanja Budde

Marble-based scrubbing particles – a natural alternative to polyethylene beads in personal care (requested)

16:00 Plenum Discussion with Speakers of the 2<sup>nd</sup> Day







#### Your Conference Team



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#### Venue

Maternushaus Köln Kardinal-Frings-Str. 1–3 50668 Cologne, Germany +49 (0)221 163 10 info@maternushaus.de 23-24 November 2015



nova-Institut GmbH Chemiepark Knapsack Industriestr. 300 50354 Huerth, Germany

## Here is how you can show up and plant your flag!

#### Become a partner of the conference

The conference organisers foresee close cooperation agreements with major trade associations, research institutions, environmental organisations and political bodies in order to target and reach a broad base of interested parties. Your contact: Jutta Millich.

#### Become a media partner of the conference

Major trade magazines, newspapers and online media in related fields are welcome to join in a media partnership. Your contact: Jutta Millich.

#### Free exhibition booths for participants

Register now and take advantage of this opportunity! You can present your alternative products, environmental campaigns or research results in the immediate environment of the conference. Your contact: Dominik Vogt.

#### **Entrance Fee**

Conference incl. Catering, plus 19 % VAT

495€

295€ (Single Day)

Registration and further information at: www.microplastic-conference.eu

#### Partners & Media Partners



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