

Marine Litter in View of Plastics Producers

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PlasticsEurope





Our concern



- Plastics are durable and persistent in the environment, therefore plastics litter in any environment is unacceptable
- **Plastics can bring sustainable solutions** provided that their use is supported by:
 - Appropriate policies
 - Infrastructure
 - Consumer behaviour
- The plastic industry must work in partnerships, as a responsible stakeholder, contributing with its expertise and resources to shape solutions across society for zero littering.
- Our vision: A society where waste is no longer reaching our oceans and is properly handled and recycled or recovered.



- 1. MarineLitterSolution project
- 2. Contribution to GESAMP Assessment
- 3. Knowledge transfer of waste management practices
- 4. Prevent pellets losses

1. Marine Litter Solutions



- International Plastic Industry coalition requiring active national players to ensure success and outreach
- We will:
 - Initiate and deliver actions to shape solutions for marine litter by ourselves or with other committed external allies in partnership
 - Raise the awareness of the impact of marine litter in the environment among our international plastic industry



Declaration on Marine Litter

56 Signatories

34 Countries Represented

The 6 focus areas of the declaration are:



- 1. Contribute to solutions by public private **partnerships** aimed at preventing marine debris
- 2. Work with **academia** to better understand scope, origins and impact of waste in sea and to find solutions
- 3. Promote comprehensive science-based policies and enforcement of existing laws to prevent marine litter
- 4. Spread knowledge about eco-efficient waste practices in principle, particularly in communities and countries with coastal regions
- 5. Enhance opportunities for recycling and energy recovery
- 6. Steward transport and distribution of plastics resins and products from supplier to customer to prevent product loss

More than 100 actions undertaken





Europe/Gulf/Africa	45 %
America	31 %
East Asia/India/Australia	24 %

MarineLitterSolutions project:

- Active in different regions, e.g. in Germany: land-sourced litter project of Ökoinstitut Darmstadt, commissioned by BKV
- Global website: www.marinelittersolutions.org

2. GESAMP Assessment of the impact of micro-plastics in the marine environment





 11 Nov 2010
 GESAMP Workshop on Microplastic particles

 A digital version of the GESAIP Pre-publication Report of ...

 28 Oct 2010
 UNGA Ad Hoc Working Group of the Whole

 GESAIP was present at the second meeting of the UNGA

 Ad...

 11 Jun 2010

 Report of the 37th Session

 A digital version of the GESAIP Report of the 37th Session...

 14 Apr 2010

 All GESAMP Publications available for Free...

Science <t

28 Feb 2011 G37 Documents 21 Dec 2010 Home

GESAMP (The Joint Group of Experts on the Scientific Aspects of Marine Environmental Protection)

Advisory body of the United Nations system on the scientific aspects of marine environmental protection

Content of the project: Terms of Reference



- Estimate rates of inputs of micro-plastics (resin pellets, abrasives, personal care products) and plastics (including main polymer types); involves developing methodology, using monitoring data, identifying proxies (e.g. population centres, shipping routes, tourism revenues).
- 2. Modelling transport, distribution & areas of accumulation.

- 3. Processes (physical, chemical & biological) controlling the rate of fragmentation and degradation, including estimating long-term behaviour.
- 4. Modelling continues using inputs from 1 and 3

5. Uptake by biota and biological impacts



3. Knowledge transfer of waste management practices





- Globally, most of marine litter is **land sourced** and we believe that landfills and a land-filling mentality in our society contribute substantially to marine litter.
- Eliminating landfills will prevent part of the marine litter and a proper waste collection will also contribute to increase the awareness of the consumer about litter.

⇒ Strategy on Plastics Waste Management

- The waste value chain consists of 5 key steps
- Action on: prevention, collection, quality recycling and energy recovery
- Implementation plan
- Brochure and video: too valuable to throw away

Post-consumer plastics management in Europe (EU-27+CH/NO) 2010







- Contribute to sustainable waste management of end-of-life products containing plastics by utilising its material and energy resources
- Focus on countries according to country assessment
- Todays focus is France, Poland, Spain and UK (further countries evolve)



- Use the know-how about plastics waste management and make it effective locally
 - Establish relationships with stakeholders in value chain
 - Support to dialogue and networking
 - Contribute to information and education
 - Use communication channels (conferences, media, publication etc.)
 - Provide technical support

Too valuable to be thrown away



arabic, english, french, german, polish, portugese, spanish



Plastics: Too valuable to be thrown away Recovery, recycling and resource conservation

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4. Prevent pellet losses





4. Prevent pellet losses





- 1 kg polymer equals approx. 50,000 pellets 150,000 t/factory
- 57 Mt polymer produced in Europe
- 46 Mt plastics demanded by converters in Europe

What can we do?







- We are committed to be part of the solution
 - Learn about marine litter
 - Promote best policies and improve plastic waste management
 - Increase the awareness of our society about marine litter

 Global effort to increase the awareness among our industry around the world



• Product stewardship



The Material for the 21st Century

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