

The Declaration of the Global Plastics Associations
for Solutions on Marine Litter

2016 PROGRESS REPORT



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Executive Summary

Marine litter is human-created waste that has been intentionally or unintentionally discharged into the coastal or marine environment. Marine litter is not only unsightly – it can harm ocean ecosystems, wildlife, and humans. Its effects have prompted governments, private enterprises, environmental groups, and countless citizens to take action.

In March 2011, leaders from 47 plastics associations across the globe signed a declaration to combat the causes of marine litter. The Declaration of the Global Plastics Associations for Solutions on Marine Litter (Global Declaration) represented a public commitment by a global industry to tackle a global problem: plastic litter in the coastal or marine environment.

Recognizing that we all have a role in preventing marine litter, these industry leaders identified six work areas for initiatives aimed at contributing to sustainable solutions: education, research, public policy, sharing

best practices, plastics recycling/recovery, and plastic pellet containment. The signatories also agreed to publicly report on progress toward meeting their commitments.

This 2016 Progress Report summarizes the status of commitments made under the Global Declaration. As of December 2015, approximately 260 projects have been planned, underway, or completed. This represents an increase of more than 165 percent in the number of projects since the Global Declaration was announced. The projects vary widely, from beach clean ups to expanding waste management capacities, and from global research to awareness and education campaigns.

Sixty-five associations representing 34 countries have signed the Declaration as of May 2016. The Global Declaration and list of signatories can be found at www.marinelittersolutions.com.

As of December 2015

260 projects have been planned,
underway, or completed. 65 associations
representing 34 countries have
signed the Declaration.



Introduction: Marine Litter

Marine litter is human-created waste that has been intentionally or unintentionally discharged into the coastal or marine environment. It includes “any anthropogenic, manufactured, or processed solid material (regardless of size) discarded, disposed of, or abandoned in the environment, including all materials discarded into the sea, on the shore, or brought indirectly to the sea by rivers, sewage, storm water, waves, or winds.” *

Experts estimate that up to 80 percent of marine litter is from land-based sources, such as poor waste management and sewage overflows. Ocean based sources include trash from boats, abandoned or lost fishing gear, and natural disasters.

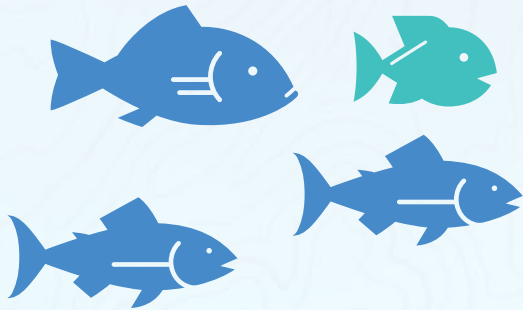
Roughly 70 percent of marine litter, such as glass, metal, and all sorts of marine equipment and other refuse, sinks to the ocean floor. The remainder, typically lighter weight materials such as plastics, floats or is suspended.

Marine litter is not only unsightly – it can harm ocean ecosystems, wildlife, and humans. It can injure coral reefs and bottom dwelling species and entangle or drown ocean wildlife. Some marine animals ingest the litter, which can result in starvation and death. Medical waste (such as syringes), sharp objects, and large pieces of litter can pose a direct threat to humans. In addition, the economic impact of marine litter is significant.

As the scope and potential impacts of marine litter have become better understood, governments, private enterprises, environmental groups, and countless citizens have taken action. Because ocean litter has no geographic or political boundaries, solutions must be global and involve international partnerships. Effective solutions focus on preventing all types of litter from entering waterways and oceans.



*This is the definition of “marine litter” that has international consensus and is used in this report. Source: <http://5imdc.files.wordpress.com/2011/03/honolulustrategy.pdf> (The terms “litter” and “debris” are used interchangeably.)



Some marine animals ingest litter and choke or starve.

80%



of marine litter is estimated to come from land-based sources, such as poor waste management and sewage overflows.

70%



of marine litter, such as glass, metal, and all sorts of marine equipment and other refuse, sinks to the ocean floor. The remainder, typically lightweight materials such as plastics, floats or is suspended.

Medical waste (such as syringes), sharp objects, and large pieces of litter can pose a direct threat to humans.



Introduction: The Global Declaration

While marine litter consists of all sorts of materials, many plastics float, making them more visible. Many also are resistant to degradation and persist in the marine environment. Plastics makers and processors have long been involved in efforts to reduce plastic marine litter, from conducting research to enhancing product stewardship to cleaning up beaches.

To consolidate and leverage these efforts, and to generate additional innovative solutions, 47 plastics associations from regions across the globe signed the Declaration of the Global Plastics Associations for Solutions on Marine Litter in March 2011. The Global Declaration represented a public commitment by a global industry to tackle a global problem: plastic litter in the coastal and marine environment.

The Global Declaration, announced at the 5th International Marine Debris Conference in Honolulu, Hawaii, identified six focused work areas (described in more detail below) and asked signatories to commit to making contributions to sustainable solutions in these areas. Signatories were asked to identify specific actions – from educational campaigns to increased plastics recycling – to undertake in the six work areas. They also agreed to track and report progress.

This Progress Report provides an update on that commitment (Progress Reports also were published in 2014 and 2012).

Additional associations subsequently signed the Global Declaration, and as of December 2015 there were approximately 260 projects planned, underway, or completed – this represents an increase of more than 165 percent in the number of projects since the Declaration was announced.

Signatories use the Global Declaration as a framework for action, in cooperation with governments, non-governmental organizations, researchers, and other stakeholders.

“We’re very pleased with the continued growth in the work we’re doing on marine litter,” said Steve Russell, vice president of plastics for the American Chemistry Council. “Since our last report, we’ve increased the number of industry associations participating as part of the Global Declaration and demonstrated that, united, we can help make a difference.”

“Marine litter is a complex environmental challenge that requires joint efforts at the local, regional and global level”, said Karl-H. Foerster, Executive Director of PlasticsEurope. “We look forward to continue developing and executing programs that address marine litter, and work with governments, non-governmental organizations, researchers, and other stakeholders. It is critical that we have these partnerships and continue to bring additional stakeholders to the table to tackle this very serious issue.”



*“Marine litter is a
problem that humans
create and that
humans can solve”*

– Steve Russell,
vice president of plastics,
American Chemistry Council

Commitment Made Under the Global Declaration

Humans cause marine litter – and humans have the power to stop it. This humble recognition has spurred people across the globe to find and fight the causes of marine litter.

Plastics associations recognize their important role in fighting marine litter and have publicly committed to contribute to solutions in six focused work areas, which has led to approximately 260 projects. The signatories focus primarily on the plastics portion of marine litter. Success will require sustained, good faith cooperation among a wide range of stakeholders.

The sample projects below are pulled from the section of this Progress Report titled “Projects Underway – A Snapshot.” More detailed information on these and all projects is available at www.marinelittersolutions.com and from the Global Declaration’s signatories.

1 Contribute to solutions by working in public-private partnerships aimed at preventing marine litter.

This work area is focused on **education**. Awareness of the problem and highlighting steps people are taking to combat it can help change behavior that results in litter.

Projects include:

- A marine litter conference for African countries organized by South Africa’s plastics association
- A museum exhibit on marine litter in Germany
- Coastal cleanups in Arabian Gulf Cooperation Countries (GCC)

2 Work with the scientific community and researchers to better understand and evaluate the scope, origins, and impact of and solutions to marine litter.

This work area is focused on **research**. While the general scope of the marine litter problem is apparent, additional research will help determine the actual impacts of plastic marine litter, how and why marine litter enters the ocean, and how to prevent it.

Projects include:

- Study/monitor of micro-plastics and macro-plastics along the coast of Brazil
- Research on types and sources of marine litter to enable targeted mitigation strategies in Australia
- Multinational research to find technological solutions for the degradation of plastics in the marine environment (BIOCLEAN)

3 Promote comprehensive science-based policies and enforcement of existing laws to prevent marine litter.

This work area is focused on advocating for effective **public policy**. Government policies – and the way they are or are not enforced – have a huge impact on the prevalence of litter in the oceans, so advocating effective and efficient policies can spur cleanups and prevent marine litter.

Projects include:

- Support for a national phase-out of microbeads in personal care products in the USA
- Memorandum of Understanding with the Ministry of the Environment and Water on policy on recycling, waste, and marine litter in Bulgaria
- Support for a national waste segregation policy in Malaysia

4 Help spread knowledge regarding eco-efficient waste management systems and practices, particularly in communities and countries that border our oceans and watersheds.

This work area is focused on sharing **best practices**. While individual projects may vary from place to place, sharing successes – and the knowledge that comes with them – helps industry, government, and others understand what actually works to prevent marine litter.

Projects include:

- Annually convening European industry, government, scientists, and waste experts to share best practices in recycling and recovery (IDENTIPLAST)
- Innovative waste collection systems that help prevent litter in Finland
- Support for a non-profit that spreads best practices on curbside recycling to improve collection, profits, and sustainability in the USA (The Recycling Partnership)

5 Enhance opportunities to recover plastic products for recycling and energy recovery.

This work area is focused on **recycling and recovering plastics**. Capturing plastics for recycling and energy recovery keeps plastics out of the waste and litter streams, as well as reduces energy use and greenhouse gas emissions.

Projects include:

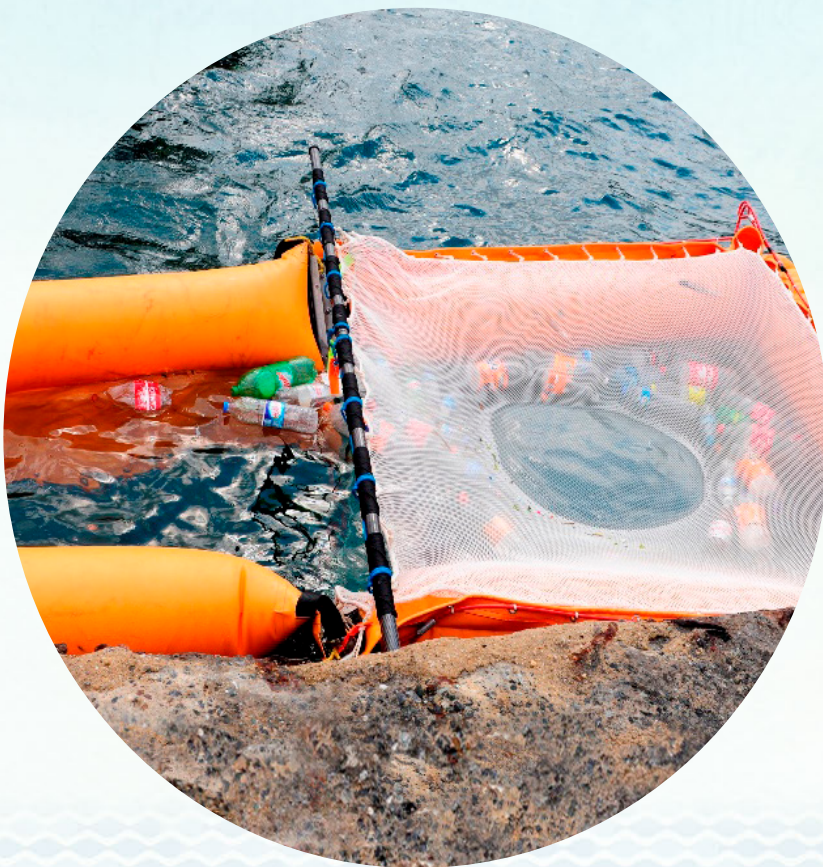
- Support for trials and research on conversion technologies for plastics-to-fuel and petrochemicals in Canada and USA
- Recycling and anti-litter initiative for agricultural plastics in France
- Improved system for collecting and recycling expanded polystyrene fish boxes and floats in Japan

6 Steward the transport and distribution of plastic resin pellets and products from supplier to customer to prevent product loss and encourage our customers to do the same.

This work area is focused on **plastic pellet containment**. Many types of plastics are sold as small pellets to companies that make products with them. If spilled or released into the environment during manufacturing or transportation, these pellets can be unsightly and be mistaken for food by wildlife, so containing pellets is critical.

Projects include:

- Education initiative launched in the USA (Operation Clean Sweep) that focuses on proper containment of plastic pellets – now licensed to associations in 22 countries and one continent (see Spotlight Case Study below)
- Numerous projects that are similar to Operation Clean Sweep in various countries



Case Studies

WORK AREA #1 / EDUCATION

Waste Free Environment 3Rs awareness campaign – ARABIAN GULF

Since 2013, school children and volunteers across the Arabian Gulf join hands early each year to clean up their local environment, as part of Waste Free Environment (WFE), an initiative of the Gulf Petrochemicals and Chemicals Association (GPCA). WFE campaign events encourage a more responsible attitude towards litter disposal and promote recycling.

In addition to cleaning up, each WFE event contains an educational component, such as:

- teaching and encouraging participants to reduce, reuse, and recycle (3Rs);
- explaining how to recycle by demonstrating which items to separate for recycling and where they are collected; and
- illustrating what happens to plastics and other items after they are recycled.

In 2015, WFE cleanups took place in 20 locations in 12 cities: Jubail, Yanbu, Riyadh, Abu Dhabi, Ruwais, Dubai,



Doha, Sohar, Manama, and Kuwait City. And for the first time, WFE was celebrated beyond the Arabian Gulf in Mumbai, India and Sittard/Geleen in the Netherlands. In total 10,881 people participated in the campaign including students from 119 schools and 72 divers. Jointly, they collected 52 tons of waste that was transferred to recycling facilities.

GPCA plans to magnify the initiative by expanding the events further around the globe.

www.wastefreeenvironment.com

MARLISCO – EUROPE

The Marine Litter in European Seas – Social Awareness and Co-Responsibility (MARLISCO) project was designed to raise societal awareness of the problems of marine litter, as well as the potential solutions. MARLISCO's overarching goal was to facilitate dialogue and promote co-responsibility among the various stakeholders who share a vision of sustainable management of marine litter across all European seas.

Funded by the European Union, MARLISCO coordinated the work of 20 partners, such as PlasticsEurope, that organized activities across 15 European coastal countries, tailored to localities. The main focus was to identify effective ways to enable society to perceive the impact of litter on the marine environment. MARLISCO also worked to identify land-based actions that result in marine litter and methods to reduce their impact, in particular solutions implemented locally that can have a regional effect.

MARLISCO activities took place in the four European Regional Seas areas: North-East Atlantic, Baltic, Mediterranean, and Black Sea. Activities included:

- a study of the sources and trends regarding marine litter in each Regional Sea;
- a collection of 72 best practices from all partner countries;
- a survey on the prevailing perceptions and attitudes of various stakeholders regarding marine litter;

- a video contest for youth to collect their visions on the problem of marine litter and empower them as agents of change;
- national debates in 12 partner countries; and
- a diversified mix of national activities including exhibitions, workshops, festivals, clean ups, and more.

MARLISCO concluded operations in mid 2015. Its activities and outcomes can be viewed at www.marlisco.eu.

Litter Free Thaipusam – MALAYSIA

Thaipusam is a Hindu ceremony held each year during the full moon in the tenth month of the Hindu calendar and is celebrated as a public holiday in Malaysia. The most famous celebration is located at the temple at Batu Caves in Kuala Lumpur where more than one million people gather for Thaipusam each year.

The Malaysian Plastic Manufacturers Association (MPMA) organized an anti-litter and recycling campaign called Litter Free Thaipusam in 2015 and 2016. In previous years, the Thaipusam celebration site had insufficient waste collection bins, which led to extensive litter.

Hundreds of uniformed volunteers were stationed at various checkpoints to guide people to place recyclable materials, including polystyrene foam foodservice packaging, into specially marked recycling bins separate from waste bins. The volunteers replaced the plastic garbage bags when full to help prevent litter. Total waste within the temple compound was reduced dramatically and the areas managed by the campaign were relatively free of litter.

MPMA says that “The anti-litter campaign is aimed at creating awareness amongst the public on the impact on the environment and waste separation,” in support of the National Waste Separation policy that came into effect in September 2015.

“Stemming the Tide” study – GLOBAL

Research published in Science Magazine in 2015 estimated that roughly eight million tons of plastics enter the ocean each year and that 57 percent originates in five countries (China, Indonesia, Philippines, Vietnam, and Thailand). The waste management infrastructure in these rapidly developing economies has not kept pace with the growing population, consumption of goods, and waste generation. So instead of waste being captured for disposal or reuse, it is “leaking” onto land and into waterways and the ocean.

To respond to this growing problem, the American Chemistry Council (ACC) and others partnered with Ocean Conservancy’s Trash Free Seas Alliance® on research into major sources of marine litter and how to address them. Ocean Conservancy worked with the McKinsey Center for Business and Environment, resulting in the substantive report: “Stemming the Tide: Land-based Strategies for a Plastic-free Ocean.”

Stemming the Tide enumerates the elements of an overall solution, their costs, and the stakeholders involved, including the plastics industry, NGOs, cities, national governments, multi-lateral funders/development banks, and others. The report stressed the importance of creating conditions to attract investment in waste management solutions that can contain waste, stop dumping, increase recycling, and recover the energy from plastics.

To aid that final point, ACC partnered with the NGO Ocean Recovery Alliance to create two no-cost tools aimed at helping communities around the globe evaluate their potential to adopt plastics-to-fuel technologies, which can be found here: www.oceanrecov.org/assets/files/Valuing_Plastic/2015-PTF-Project-Developers-Guide.pdf.

WORK AREA #3 / PUBLIC POLICY

Legislation on plastic microbeads – USA

Some personal care products are formulated with tiny spheres of plastics that typically are used for exfoliating the skin or brushing teeth. Sewage treatment systems are not able to capture all of these “microbeads,” so some of them end up in waterways and the marine environment.

Many product manufacturers (e.g., Unilever, L’Oréal, Colgate/Palmolive, Procter & Gamble, Johnson & Johnson) have begun the process of voluntarily replacing plastic microbeads with other materials. With support of the ACC, numerous states developed legislation to phase out the use of microbeads in personal care products.

Building on work at the state level, a coalition of industry groups (including ACC) and NGOs advocated legislation at the federal level to phase out the intentional addition of microbeads in personal care products. The legislation (Microbead-Free Waters Act of 2015) passed Congress and was signed into law in 2015. The law – supported by the plastics industry, the Personal Care Products Council, the Environmental Council, and others – provides a timetable to prohibit the use of microbeads in specified consumer products.



WORK AREA #4 / BEST PRACTICES

Fishing line bins – SOUTH AFRICA

Plastic fishing line is difficult to see when submerged in water and is a significant contributor to the entanglement of marine life. It also can present a risk to swimmers and scuba divers.

In South Africa, an increase in recreational and subsistence fishing has resulted in an increase in fishing line discarded in the marine environment.

To combat this problem, Plastics SA partnered with various stakeholders and individuals to place durable plastic bins along the coastline to collect fishing line and associated gear such as fishing hooks. A total of 465 sites are being serviced by a myriad of environmental organisations, local authorities, and individual volunteers.

Plastics SA has spoken about the project on national and local radio stations, and media coverage has been significant. The fishing line bin project is in its fourth year, helping raise awareness of marine litter and removing potentially harmful materials from the ocean.

UNEP manual: best available technologies and best environmental practices – GLOBAL

The ACC partnered with the United Nations Environment Program (UNEP) to create a guidance manual on best

Wrap Recycling Action Program (WRAP) – USA

A coalition of businesses, government agencies, and recycling advocates in the USA are working together in public-private partnership to double the recycling of plastic film products, such as plastic wraps and bags.

The Wrap Recycling Action Program (WRAP) partners include the states of Wisconsin, North Carolina, Connecticut, and Oregon, several local governments, the Sustainable Packaging Coalition, and the Association of Plastics Recyclers. WRAP champions across the country help raise awareness and increase participation in plastic film recycling.

WRAP campaigns use a variety of outreach efforts to spread the message about recycling, such as advertising, opinion pieces in newspapers, web sites, news conferences, grocery store signage, and more. The campaign in Vancouver, Washington, for example, doubled plastic film collection at retail stores and helped reduce the undesirable presence of film in curbside recycling bins by 70 percent. WRAP programs can be replicated in communities nationwide to increase plastic film recycling.

Plastic wraps and bags typically are not collected in curbside recycling bins in the USA – instead, they can be returned for recycling to more than 18,000 grocery and retail stores. Consumers collect clean and dry wraps and bags in a plastic bag and then drop them in storefront recycling bins. Consumers can check www.plasticfilmrecycling.org to identify what can be recycled and the closest recycling locations. The used plastic wraps and bags are recycled into products such as new grocery bags, benches, and decking for homes.



Spotlight Case Study: OPERATION CLEAN SWEEP®

WORK AREA #6 / PLASTIC PELLET CONTAINMENT

Problem: Pellet Loss

Many plastics are sold in pellet form: a small piece of plastic “resin” approximately the size of a split pea. These pellets are handled and shipped through various means – in boxes, trucks, rail cars, barges – to companies that make products with them.

If not properly managed during transport and use, spilled pellets can enter the environment. If they reach waterways, they can be washed out to sea.

In recent years, researchers have reported that seabirds, turtles, and fish are ingesting plastic items. Most of these plastics are used consumer items that have been carelessly discarded. However, some of this litter consists of resin pellets that sometimes cannot pass through sea creatures’ digestive tracts, which may contribute to malnutrition and starvation.

While consumers need to properly dispose of the products they use, companies throughout the plastics supply chain also must do their part to help keep pellets out of the environment.

Operation Clean Sweep

The Society of the Plastics Industry (SPI) in 1992 created an education initiative in the USA to minimize pellet loss called Operation Clean Sweep, which focuses on proper containment of plastic pellets. Manuals and tools designed to improve good housekeeping practices were made broadly available to companies throughout the USA that handle plastic pellets, including resin producers, transporters, bulk terminal operators, and plastics processors.



The goal: achieve zero pellet loss – which is both good for the environment and good for business.

SPI and ACC recently worked together to enhance Operation Clean Sweep through new tools, additional communications materials, and expanded participation. To be successful, all employees in every aspect of the industry must be educated on the proper handling of plastic pellets. Everyone in every company, from top management to shop floor employees, must be committed to eliminating pellet loss.

SPI and ACC also supported legislation in the state of California that requires programs to reduce plastic pellet loss into the environment – legislation that is consistent with Operation Clean Sweep.



In addition, other national plastics associations are implementing or planning pellet containment initiatives in their countries as part of this Global Declaration work area, which also helps increase awareness of marine litter across the plastics value chain.

Operation Clean Sweep and its counterparts have sparked a global effort designed to prevent resin pellet loss and to keep pellets out of the marine environment. Note: the Operation Clean Sweep initiative is being expanded to include two additional forms of plastics: flakes and powders.

More information can be found at www.opcleansweep.org or opcleansweep.eu.

International Expansion

In addition to efforts in the USA, the goals of Operation Clean Sweep were incorporated into the Global Declaration in March 2011 that states: Steward the transport and distribution of plastic resin pellets and products from supplier to customer to prevent product loss and encourage our customers to do the same.

Since that time, numerous national plastics associations have launched Operation Clean Sweep in their countries by signing licensing agreements to utilize the program's tools and resources. To date, associations in 22 countries and one continent (Europe) have signed licensing agreements:

- Australia
- Brazil
- Canada
- Chile
- China
- Costa Rica
- Denmark
- Ecuador
- Egypt
- Europe (PlasticsEurope)
- France
- Guatemala
- India
- Japan
- Malaysia
- Mexico
- Nepal
- The Netherlands
- New Zealand
- Philippines
- South Africa
- United Kingdom

Projects Underway – a Snapshot

Plastics associations have planned, completed, or are implementing approximately 260 projects in the six work areas identified in the Global Declaration – this represents a 165 percent increase in the number of projects since the Declaration announcement in 2011. Because some projects are implemented in more than one country, identifying an exact number is not feasible.

The following chart includes those projects that were originally announced as part of the Global Declaration and also subsequent projects. It is current through December 2015.

The projects are segregated by the:

- regions (Africa, Americas, Arabian Gulf, Asia excluding Arabian Gulf and Turkey, Australia/New Zealand, Europe including Turkey, and Global),
- Global Declaration's six work areas, and
- location and responsible association (if appropriate).

The project status also is noted (if feasible).

More detailed information on these projects is available at www.marinelittersolutions.com and from the Global Declaration's signatories.

Note: some projects contribute to more than one work area; however, each project is listed under only one work area. The few exceptions are marked with an asterisk "*" if the project elements are distinct enough to be listed under more than one work area.

Note: countries marked with this symbol "◆" conduct marine litter projects that are included in the number of projects. However, they are not included in the country count because they have no Global Declaration signatory.

STATUS / DECEMBER 2015



COMPLETED



UNDERWAY/ONGOING



PLANNED



CANCELLED



STATUS UNCERTAIN AT TIME OF REPORT



Africa

WORK AREA	STATUS	NAME/PROJECT	LOCATION
Education		African Marine Debris Conference – two marine debris conferences for Africa	South Africa Africa (Plastics SA)
Education		Berg2Beach – anti-litter and recycling project	South Africa (Plastics SA)
Education		Cape Argus PicknPay Cycle Tour – litter awareness	South Africa (Plastics SA)
Education		Clean Up South Africa Week – annual event conducted in September	South Africa (Plastics SA)
Education		International Coastal Clean Up Day sponsorship	South Africa (Plastics SA)
Education		Marine and Coastal Educators Network (MCEN) – national and regional workshops on plastics industry marine litter actions	South Africa (Plastics SA)
Education		Recycling Day SA – annual event to create awareness and promote recycling	South Africa (Plastics SA)
Education		Rivers & Mangroves – litter clean up	South Africa (Plastics SA)
Education		Two Oceans Marathon – educational exhibits and litter clean up	South Africa (Plastics SA)
Education		World Oceans Day clean up	South Africa (Plastics SA)
Research		Litter survey on coastline completed every five years (last done in 2015)	South Africa (Plastics SA)
Research		Marine Debris monitoring – partner with institutions monitoring effects of marine litter on wildlife	South Africa (Plastics SA)
Research		Shark ingestion of plastics study	South Africa (Plastics SA)
Research		Technical & Advisory Panel on Marine Debris – research assistance	South Africa (Plastics SA)
Policy		Zero Plastics to Landfill by 2030 – promoting diversion of plastics to sustainable uses (Plastics SA Sustainability Council Strategy)	South Africa (Plastics SA)
Best Practices		Cigarette butt collection bins along beaches	South Africa (Plastics SA)

WORK AREA	STATUS	NAME/PROJECT	LOCATION
Best Practices		Fish-line bins – collects discarded fishing line located at high density fishing areas	South Africa (Plastics SA)
Best Practices		Stash Your Stick – encourage collection of fishing light sticks for recycling	South Africa (Plastics SA)
Recycling/Recovery		Packaging Industry Waste Management Plan – actions to increase recycling rates	South Africa (Plastics SA)
Pellet Containment		Coastal Pellet Watch Project – quarterly monitoring of plastic pellets and micro-plastics	South Africa (Plastics SA)
Pellet Containment		Operation Clean Sweep – plastic pellet containment program	South Africa (Plastics SA) Egypt ♦

The Americas

WORK AREA	STATUS	NAME/PROJECT	LOCATION
Education		America Recycles Day – promotes increased plastics recycling	USA (ACC)
Education		Anti-litter calendar design contest (student focused)	Canada (CPIA)
Education		Anti-litter campaign – Keep America Beautiful, “Littering is Wrong Too”	USA (ACC)
Education		Anti-litter web site/campaign (teacher/student focus)	Canada (CPIA)
Education		App for mobile devices on facts about plastics recycling	USA (ACC, SPI)
Education		Clean Community Competition – sponsored competition in Baltimore, Maryland, to reduce litter, increase recycling	USA (ACC)
Education		Earth 911 – partnership to raise awareness of/increase plastics recycling	USA (ACC)
Education		Friends of the LA River – support education, research, and cleanup projects on major river in Los Angeles, California	USA (ACC)
Education		Great Canadian Shoreline Cleanup	Canada (CPIA)
Education		Great Lakes Clean Up Partnership	Canada (CPIA)

The Americas continued

WORK AREA	STATUS	NAME/PROJECT	LOCATION
Education		Great Lakes Fisheries Project – determined plastics collection options at commercial fishery in Lake Erie	Canada (CPIA)
Education		International Coastal Cleanup – support annual litter clean up events	USA (ACC)
Education		Living Classrooms – anti-litter program/river clean up in Washington, DC (student focus)	USA (ACC)
Education		National Recycling Campaign (“I want to be recycled”) – Keep America Beautiful and Ad Council (national)	USA (ACC)
Education		“Noso Lixo nos Mares” – educational program involving municipalities, Oceanographic Institute, and industry	Brazil (Plastivida)
Education		<i>Plastics Make it Possible®</i> – national education campaign that includes messages to increase plastics recycling and prevent litter	USA (ACC, SPI)
Education		Rozalia Project – education and marine litter clean up (youth focus)	USA (ACC)
Education		Ship to Shore – anti-litter program (fishing industry focus)	Canada (CPIA)
Education		Sustainability Training Program (eco-design, plastics use, recovery, etc.)	Mexico (ANIPAC)
Education		Tales for Recycling – dramatic presentation (student focused)	Mexico (ANIPAC)
Education		Trash Free Waters – partnership with Environmental Protection Agency to reduce trash entering bodies of water and coastlines	USA (ACC, SPI)
Research		Litter study in Rhode Island	USA (ACC)
Research		Litter study on island of Oahu, Hawaii, identified sources of marine litter and proposed solutions	USA (ACC)
Research		Micro-plastics POPs affinity study – review of existing research	USA (ACC)
Research		Micro-plastics – state of the science on POPs (under peer review)	USA (ACC)

WORK AREA	STATUS	NAME/PROJECT	LOCATION
Research		Monitoring marine litter on the Brazilian coast	Brazil (Plastivida)
Research		Monitoring pellets found at port	Brazil (Plastivida)
Research		Post-industrial plastics scrap survey – gather information on generation and disposition of post-industrial plastics scrap	USA (SPI)
Research		Support for “Stemming the Tide” study from Ocean Conservancy’s Trash Free Seas Alliance® that identifies global sources of and solutions for marine litter	USA (ACC)
Research		Support for government (NOAA) funded research	USA (ACC)
Research		Sustainability Benchmark Survey – gather data on sustainability practices, including recycling of plastics companies	Brazil (Plastivida)
Research		TWAP – funding support for assessing the impacts of microplastics in the open oceans component of the United Nation’s “Transboundary Waters Assessment Programme”	USA, Global (ACC)
Policy		Model legislation for jurisdictions worldwide supporting safe use of post-consumer plastics in food packaging	USA (SPI)
Policy		National Policy on Solid Waste – agreement between government and private sector to increase recycling	Brazil (Plastivida)
Policy		Task force for marine litter public policy advocacy, encompassing marine litter prevention and remediation	USA (SPI)
Policy		Support legislation prohibiting microbeads in certain consumer products	Canada (ACC, CPIA, SPI)
Policy		Support legislation prohibiting microbeads in certain consumer products (federal: Microbead-Free Waters Act of 2015)	USA (ACC)
Policy		Support legislation to advance recycling policies through Coalition for Sustainable Materials Management	USA (ACC)
Policy		Support legislation to encourage plastics recycling (New Jersey)	USA (ACC)
Policy		Support legislation to spur purchase of recycled plastics	Mexico (ANIPAC)

The Americas continued

WORK AREA	STATUS	NAME/PROJECT	LOCATION
Policy		Support pellet containment law implementation (California)	USA (ACC, SPI)
Policy		Support pellet containment legislation (California)	USA (ACC, SPI)
Policy		Support reauthorization of marine litter legislation (federal)	USA (ACC)
Best Practices		How2Recycle™ campaign to increase use of recycling label on consumer packaging	USA (ACC)
Best Practices		How2Recycle “Return to Retail” campaign to increase use of recycling label on flexible plastic film wraps and bags	USA (ACC)
Best Practices		Litter abatement pilot projects on island of Oahu, Hawaii	USA (ACC)
Best Practices		Plastic Packaging Recycling and Recovery – online resources for recycling and energy recovery options	Canada (CPIA)
Best Practices		Plastics Recovery Seminar (Atlantic Canada)	Canada (CPIA)
Best Practices		Plastics recovery tours to educate stakeholders about conversion technologies	Canada (CPIA)
Best Practices		“Plastics. Too Valuable to Waste. Recycle” – partnership to expand away-from-home recycling in California	USA (ACC)
Best Practices		Reverse Logistics proposal for recycling waste (awaiting government approval)	Brazil (Plastivida)
Best Practices		Sustainability conferences – presentations on plastics recovery	Canada (CPIA)
Best Practices		Sustainability Consortium – participate in effort to improve product sustainability, including preventing marine litter	USA (ACC)
Best Practices		UNEP BAT/BET manual – guidance created with the United Nations Environment Program on Best Available Technologies/Best Environmental Technologies for waste management to prevent marine litter	USA (ACC)
Best Practices		Waste Recovery Symposium for Canada	Canada (CPIA)
Best Practices		Webinars on best practices in plastics recycling, recovery	Canada (CPIA)

WORK AREA	STATUS	NAME/PROJECT	LOCATION
Recycling/Recovery		A Bag's Life – public educational campaign promoting the three R's related to plastic film wraps and bags	USA (SPI)
Recycling/Recovery		Agricultural plastics recovery research	Canada (CPIA)
Recycling/Recovery		Away-from-home recycling – support education/collection/recycling at outdoor sporting events	Canada (CPIA)
Recycling/Recovery		Conversion of plastics-to-fuel technologies trials and support	USA (ACC, CPIA)
Recycling/Recovery		Conversion of plastics-to-fuel technologies trials (Edmonton)	Canada (ACC, CPIA, SPI)
Recycling/Recovery		Expanded polystyrene (EPS) recycling map – developed interactive map for consumers to locate recycling programs	Canada (CPIA)
Recycling/Recovery		Expanded polystyrene (EPS) recycling map – developed interactive map for consumers to locate recycling programs	USA (ACC)
Recycling/Recovery		Expanded polystyrene (EPS) recycling partnerships (California)	USA (ACC)
Recycling/Recovery		Expanded polystyrene (EPS) recycling projects (Quebec, Ontario)	Canada (CPIA)
Recycling/Recovery		Go Recycle Campaign (Washington, DC, area)	USA (ACC)
Recycling/Recovery		Green Up Vermont (litter clean up)	USA (ACC)
Recycling/Recovery		Grocery rigid plastics recycling – focused on recycling rigid plastics from behind grocery counters	USA (ACC)
Recycling/Recovery		Mixed waste processing review of opportunities to recover more plastics	USA (ACC)
Recycling/Recovery		Pac Next – collaboration to optimize and reduce impacts of packaging	Canada, USA (ACC, CPIA)
Recycling/Recovery		Plastic film collection and recycling directory – populated site with retail locations that collect plastic film wraps and bags	Canada (CPIA)
Recycling/Recovery		plasticfilmrecycling.org – resource to increase recycling of plastic film wraps and bag	USA (ACC)

The Americas continued

WORK AREA	STATUS	NAME/PROJECT	LOCATION
Recycling/Recovery		Plasticity Forum – international conference aimed at finding solutions to recovering more plastics	USA, Global (ACC)
Recycling/Recovery		PlasticShore – recycling plastic marine litter trial	Canada (CPIA)
Recycling/Recovery		Plastics recycling access reports measure percentage of population with access to recycling of various plastics	USA (ACC)
Recycling/Recovery		Plastics recycling measurement realignment – creating terminology and software to improve measurement of plastics in municipal solid waste and recycling	USA (ACC)
Recycling/Recovery		Plastics recycling/recovery education at conferences	USA (ACC, SPI)
Recycling/Recovery		Plastics recycling/recovery technical assistance	Canada (CPIA)
Recycling/Recovery		Plastics recycling reports chart growth in plastics recycling	Canada (CPIA)
Recycling/Recovery		Plastics recycling reports chart growth in plastics recycling	USA (ACC)
Recycling/Recovery		Plastics Recycling Terms & Tools – free tools to encourage consistent terminology for community collection programs and for tracking recycling	USA (ACC)
Recycling/Recovery		Plastics-to-fuel – determined value of non-recycled plastics as alternative to coal as fuel in cement manufacturing facility	Canada (CPIA)
Recycling/Recovery		Plastics-to-Fuel Developers Guide (from Ocean Recovery Alliance) reviews how developing areas can increase diversion of plastics from marine environment through plastics-to-fuel programs	USA (ACC)
Recycling/Recovery		Plastics-to-fuel – Presented at UNEP Global Marine Litter Partnership meeting (GLOC2) new plastics-to-fuel technologies	USA, Global (ACC)
Recycling/Recovery		Plastics-to-fuel regulatory framework development	USA (ACC)
Recycling/Recovery		RecyclePlastics365.org – plastics recycling marketplace that links supply and demand for plastic scrap	USA (SPI)
Recycling/Recovery		RecycleYourPlastics.org – web site to help increase plastics recycling	USA (ACC)
Recycling/Recovery		Recycling Committee – brings together plastics supply chain to support recycling efforts	USA (ACC, SPI)

WORK AREA	STATUS	NAME/PROJECT	LOCATION
Recycling/Recovery		Recycling Partnership – non-profit encouraging expansion of curbside recycling	USA (ACC)
Recycling/Recovery		Return to Retail – established retail in-store collection of plastic film wraps and bags	Canada (CPIA)
Recycling/Recovery		Toy recycling and recovery (plastics-to-fuel) project (Oregon)	USA (ACC, SPI)
Recycling/Recovery		Upcycle the Gyres Society – trial project to turn plastic marine debris into oil	Canada (CPIA)
Recycling/Recovery		Waste incineration feasibility study	Brazil (Plastivida)
Recycling/Recovery		WRAP (Wrap Recycling Action Program) – partnerships to promote increased recycling of plastic film wraps and bags	USA (ACC)
Pellet Containment		Operation Clean Sweep/PAC NEXT webinar – highlighted work of North American Plastics Alliance on Global Declaration; encouraged participation in Operation Clean Sweep	North America (ACC, CPIA, SPI)
Pellet Containment		Operation Clean Sweep – plastic pellet containment program	Brazil (Plastivida), Canada (CPIA), Chile♦, Costa Rica♦, Ecuador♦, Guatemala♦, Mexico (ANIPAC), USA (ACC, SPI)

Arabian Gulf

WORK AREA	STATUS	NAME/PROJECT	LOCATION
Education		Ambassador Program “Injaz” – education program on reducing, reusing, recycling, recovery (youth focused)	United Arab Emirates (GPCA)
Education		Waste Free Environment – beach cleanups in Gulf Cooperation Countries (GCC)	GCC (GPCA)
Education		Benefits of plastics video for school children that promotes recycling	GCC (GPCA)
Policy		Relationship building with regional governments – MOU with Ministry of Water and Environment in UAE; will expand to other Arabian Gulf Cooperation Countries (GCC)	United Arab Emirates (GPCA)
Best Practices		Plastics Excellence Awards – includes category for best recycling or energy saving program	GCC (GPCA)
Pellet Containment		Responsible Care Program – Preparing code of practice document for managing plastic pellets throughout supply chain	GCC (GPCA)

Asia

excluding Arabian Gulf (see Gulf projects above) and Turkey (see Turkey projects below under Europe)

WORK AREA	STATUS	NAME/PROJECT	LOCATION
Education		1 Malaysia Green, 1 Malaysia Clean Campaign – citizen education on reducing, reusing, recycling plastics	Malaysia (MPMA)
Education		3Rs Awareness Programme – student focused anti-litter and reduce/reuse/ recycle education program (Dow sponsor)	Malaysia (MPMA)
Education		3Rs Awareness Programme – student focused anti-litter and reduce/reuse/ recycle education program (Chevron Phillips sponsor)	Malaysia (MPMA)
Education		Awareness campaign for industry and public using media to publish information on marine litter	China (CPCIF)
Education		Cleanup – support quarterly cleanup drives around Manila Bay	Philippines
Education		Don't Be a Litterbug – anti-littering campaign	Malaysia (MPMA)
Education		Environmental impact study demonstrating environmental and economic benefits of plastic bag recovery	Philippines (PPIA)
Education		Hi-5 ME (Mother Earth) Don't Be a Litterbug – public campaign at malls and public area	Malaysia (MPMA)
Education		International Coastal Cleanup – participate in annual litter clean up events	Philippines (PPIA)
Education		Internship in public relations for college students to learn outreach efforts to increase public participation in recycling and litter prevention	Philippines (PPIA)
Education		Kerteh Beach clean up	Malaysia (MPMA)
Education		Litter Free Thaipusam campaign – increase awareness on littering and provide waste disposal/segregation at festival	Malaysia (MPMA)
Education		Music video – anti-littering parody of “Gangnam Style” song	Malaysia (MPMA)
Education		National Recycling Day	Malaysia (MPMA)
Education		National Youth Day 2011 – Reduce, reuse, recycling education	Malaysia (MPMA)
Education		Partner with Ministry of Ecology to inform public of opportunities to recycle waste into useful products	Philippines (PPIA)
Education		Plastics Recyclables Collection Competition – involving 30 schools in Penang State	Malaysia (MPMA)

WORK AREA	STATUS	NAME/PROJECT	LOCATION
Research		Driftage litter – verify energy recovery methods for marine litter from fishing activities	Japan (JPIF)
Policy		1 Malaysia Green, 1 Malaysia Clean Mini Lab – elevate campaign to National Agenda	Malaysia (MPMA)
Policy		Review of container, packaging recycling law, focused on combination of recycling/recovery	Japan (JPIF)
Policy		Serve on water quality management governing board to help reduce water pollution and secure water quality	Philippines (PPIA)
Policy		Support National Waste Segregation Policy	Malaysia (MPMA)
Policy		Training of Pollution Control Officer in the plastics industry	Philippines (PPIA)
Best Practices		APEC workshop – best practices guidance for public officials on how recycling and energy recovery can add value to waste and reduce litter stream, presented at Asia Pacific Economic Cooperation “Municipal Waste to Worth Forum”	Philippines (ACC, PPIA)
Best Practices		Greening the PH Plastics Industry 2016-2030” – road map for improving sustainability in the plastics industry, including marine litter prevention	Philippines (PPIA)
Best Practices		Homeowners Project – partner with government to establish waste segregation systems through homeowners associations	Philippines (PPIA)
Best Practices		Hosted 26th Annual Global Meeting on Plastics and Sustainability	Philippines (PPIA)
Best Practices		Manila Bay Sunset partnership program – public-private, multi-sector approach to implement a sustainable approach to clean and protect Manila Bay	Philippines
Best Practices		Partnership with government to develop waste collection practices to recycle polystyrene foam	Philippines
Best Practices		“Stone From Other Hills” – campaign to share other countries’ best practices and plans to combat marine litter	China (CPCIF)
Recycling/Recovery		5R Recycling Campaign	Malaysia (MPMA)
Recycling/Recovery		Mobile Plastic Collection and Recycling – pilot project to collect post-consumer plastic bags for recycling	Philippines (PPIA)

Asia continued

WORK AREA	STATUS	NAME/PROJECT	LOCATION
Recycling/Recovery		National Eco-Savers Program – partner with government to encourage students to bring waste plastics to schools for redemption	Philippines (PPIA)
Recycling/Recovery		National Recycling Plan – public-private partnership to increase plastics recycling	Malaysia (MPMA)
Recycling/Recovery		Partner with church-based organization to create hollow blocks and brick fillers from used plastic bags and polystyrene foam	Philippines (PPIA)
Recycling/Recovery		Partner with church-based organization to collect waste for recycling during 2015 papal visit	Philippines (PPIA)
Recycling/Recovery		Philippine Alliance for Recycling and Materials Management – convene alliance to create “A Full Waste Recovery & Recycling Program for Metro Manila”	Philippines (PPIA)
Recycling/Recovery		Polystyrene take-back system for recycling	Malaysia (MPMA)
Recycling/Recovery		Plastic Bags to School Chairs – partnered with recycler to turn soft waste plastics into school chairs and park benches	Philippines (PPIA)
Recycling/Recovery		“Plastics Mo Bigas Ko” (Your Plastic, My Rice) – partner with Rotary club to collect waste plastic for recycling in exchange for rice	Philippines (PPIA)
Recycling/Recovery		Polystyrene Recovery Project – monthly collection of polystyrene for recycling into supplies for needy schools	Philippines
Recycling/Recovery		Recyclable Fairs – participate in monthly local recycling events implemented by shopping malls, businesses, and local government units	Philippines (PPIA)
Recycling/Recovery		Recycled Doy Packs – promote enterprise that creates consumer products from recycled multilayer packaging such as juice packs	Philippines (PPIA)
Recycling/Recovery		Homeowners Project – partner with government to establish waste segregation systems through homeowners associations	Philippines (PPIA)
Recycling/Recovery		Recycling expanded polystyrene (EPS) – focused on waste from 2011 tsunami	Japan (JPIF)
Recycling/Recovery		Recycling system for waste expanded polystyrene (EPS) – improved fish box and fishing floats recycling	Japan (JPIF)
Pellet Containment		Operation Clean Sweep – plastic pellet containment program	China (CPPIA), India (AIPMA), Japan (JPIF), Malaysia (MPMA), Nepal ♦

Australia/New Zealand

WORK AREA	STATUS	NAME/PROJECT	LOCATION
Research		Degradable Plastics Performance – study completed on impact of various degradable plastics in Australian environment	Australia (PACIA)
Research		Research on types and sources of marine litter to enable targeted mitigation strategies	Australia (PACIA)
Policy		* Australian Packaging Covenant – co-regulatory model for improved litter mitigation and compliance	Australia (PACIA)
Policy		Support federal/state government policy and program development, including industry contributions/capabilities in support of litter reduction/mitigation strategies	Australia (PACIA)
Best Practices		* Australian Packaging Covenant – developing and sharing packaging design improvements	Australia (PACIA)
Best Practices		PACIA Design for Sustainability with Plastics (D4S) – advocates life cycle approach starting in packaging design stage	Australia (PACIA)
Best Practices		Sustainability in Supply Chains – guidance to drive sustainability	Australia (PACIA)
Best Practices		Sustainable Plastics Recovery Guidance – principle-based policy guidance for government, industry, communities	Australia (PACIA)
Recycling/Recovery		* Australian Packaging Covenant – focus on increased recycling, markets, recovery	Australia (PACIA)
Recycling/Recovery		Plastics recycling survey – national, annual	Australia (PACIA)
Recycling/Recovery		Recycling of expanded polystyrene (EPS) across New South Wales	Australia (PACIA)
Pellet Containment		Operation Clean Sweep – plastic pellet containment program	Australia (PACIA), New Zealand (Plastics New Zealand)

Europe

including Turkey

WORK AREA	STATUS	NAME/PROJECT	LOCATION
Education		100 years boy scouts – donate plastic bags for area cleanups, waste collection	Greece (AHPI)
Education		Agia Marina Keratea – donate plastic bags for waste collection, cleanups on beach	Greece (AHPI)
Education		Awareness seminar – sharing knowledge, establishing best practices and communications platform	Denmark (Plastindustrien)
Education		Beach Watch Big Weekend – beach clean up	UK (BPF)
Education		Black Sea Project – study on contamination of Black Sea	Bulgaria, Romania (BAP, ASPAPLAST)
Education		Booth at world's largest boat fair to raise awareness of marine litter problems	Germany (PlasticsEurope)
Education		Brochure disseminated to water sports to raise awareness of marine litter problems	Germany (PlasticsEurope)
Education		Bulgarian sea and rivers – free of waste	Bulgaria (BAP)
Education		Clean Amsterdam	Netherlands (PlasticsEurope)
Education		Clean the Mediterranean – donate plastic bags for waste collection, cleanups on coasts	Greece (AHPI)
Education		Cool Seas-Bottle Champion – anti-marine litter program (youth focused)	UK (BPF, PAFA, PlasticsEurope)
Education		Cool Waters – awareness program in primary schools	Turkey (PAGEV)
Education		Cuaderno de bitácora – awareness program (sailing clubs focused)	Spain (Cicloplast, PlasticsEurope)
Education		DeFishGear (Derelict Fishing Gear Project) – regional initiative to reduce marine litter in the Adriatic Sea	Slovenia ♦ (PlasticsEurope)
Education		Goletta Verde – awareness campaign (citizens, public administration focused)	Italy ♦ (PlasticsEurope)
Education		Happy Fish – litter clean up	Turkey (PAGEV)
Education		Innovations for Environment conference (recycling focus)	Turkey (PAGEV)

WORK AREA	STATUS	NAME/PROJECT	LOCATION
Education		I Sail, I Sort – provide all boaters with reusable bag for collecting domestic waste at sea and returning to dock	France (ELIPSO, PlasticsEurope)
Education		Jonge Baekeland youth competition organized by science/nature magazine	Belgium (Federplast)
Education		Land-sourced Litter – newsletter for German speaking countries	Austria♦, Germany, Switzerland (IK, KVS)
Education		La plastica in vacanza – awareness campaign on plastics and recycling on holiday	Italy♦
Education		Love Where You Live campaign – anti-litter initiative	UK (BPF)
Education		MARLIREC – awareness campaigns	Europe
Education		MARLISCO – Raise public awareness, facilitate dialogue, and promote co-responsibility of marine litter across European seas.	Europe (EuPC, EuPR, PlasticsEurope)
Education		MLAN (Marine Litter Action Network) – bring together organization from across various sectors to tackle marine litter	United Kingdom, (BPF, PAFA, PlasticsEurope)
Education		North Sea Partnership – identifying solutions for collecting plastic waste	Denmark (Plastindustrien)
Education		“Out to the Sea? The Plastic Garbage Project” – Museum exhibit on marine litter	Germany (IK)
Education		PAGEV international congress – industry event focused on sustainability	Turkey (PAGEV)
Education		Plastics and the Environment – symposium to raise awareness	Greece (AHPI)
Education		Plastics Awards competition – award for contribution to marine litter solutions	Turkey (PAGEV)
Education		Plastics: “Too valuable to be thrown away” – educational activities (citizen, public administration focused)	Croatia (HGK)
Education		Plastika Chronika – bimonthly magazine including articles on marine litter	Greece (AHPI)
Education		Plastimobile – plastics recycling awareness exhibit for school children	Belgium (Federplast)
Education		Recykling Rejs – canoe rally on river to raise awareness	Poland♦ (PlasticsEurope)
Education		Sea is Not a Dump – anti-litter event to raise awareness	Denmark (Plastindustrien)

Europe continued

WORK AREA	STATUS	NAME/PROJECT	LOCATION
Education		Seas and Beaches 2012 – summer anti-litter advertising campaign	Italy♦
Education		Skai for Environment – cleanup at beaches, rivers, and roads	Greece (AHPI)
Education		Spiagge e Fondali Puliti – beach cleaning (sediment and seabed)	Italy♦ (PlasticsEurope)
Education		Spiaggia 101 – litter clean campaign up on beaches	Italy (PlasticsEurope)
Education		To Clean Bulgaria In One Day – donate to national litter clean-up day	Bulgaria (BAP)
Education		To Clean Bulgarian Black Sea Coast	Bulgaria (BAP)
Education		Vacances Propres – anti-litter campaign (tourism focused)	France (Fed. Plasturgie, PlasticsEurope)
Education		We Clean Greece – initiative to raise awareness and reduce litter	Greece (AHPI)
Research		As-Made – marine litter study on coast	Belgium (Federplast)
Research		BIOCLEAN – European Commission funded study to find biotechnological solutions for degradation of plastics entering marine environment	Europe (PlasticsEurope)
Research		From land into the oceans – a model for estimating the amount of land-based plastic litter entering the sea	Germany/North Sea (IK)
Research		Land-sourced Litter in Marine Environment – marine litter study on Baltic, North, Mediterranean Seas	Austria♦, Germany, Switzerland (IK, KVS, WVK)
Research		MARLIREC – central database to collect findings and hotspots of marine litter reported by fishing industry	Europe (BAP, EuPC, Fed. Plasturgie)
Research		Mosa Pura – study of floating plastics in Mosa river	The Netherlands (PlasticsEurope)
Research		Mussels and lugworm study – research on micro-plastics in mussels and lugworms	Belgium, France, The Netherlands (ANAIP, BPF, Elipso, EuPC, Fed. Plasturgie, Federplast, IK, NRK, PAFA, PlasticsEurope)
Research		North Sea Plastics Marine Litter program – government, researchers, NGOs, industry stakeholders researching strategies to combat marine litter	The Netherlands (PlasticsEurope)

WORK AREA	STATUS	NAME/PROJECT	LOCATION
Research		Oceans of Opportunity – grant funded project to analyze and reduce plastic marine litter	Denmark (Plastindustrien)
Research		Plastic-free Oceans – project to create new solution-focused knowledge about plastic marine litter, particularly in Danish context	Denmark (Plastindustrien)
Policy		Coalition building – law enforcement cooperation with business	Turkey (PAGEV)
Policy		Landfill ban – untreated plastic and other waste will not be landfilled; end of open air landfills	Finland (Muoviteollisuus ry)
Policy		Landfill ban – support for recovering plastic waste rather than landfilling	Turkey (PAGEV)
Policy		Memorandum of Understanding with the Ministry of the Environment and Water on policy on recycling, waste, and marine litter	Bulgaria (BAP)
Policy		Policy development guidance as member of Public Council to the Ministry of the Environment and Water	Bulgaria (BAP)
Policy		Zero Plastics to Landfill by 2020 – promoting diversion of plastics to sustainable uses	Croatia
Policy		Zero Plastics to Landfill by 2020 – promoting diversion of plastics to sustainable uses	Europe (PlasticsEurope)
Best Practices		Comuni Ricicloni – A competition that rewards best results in recycling, waste management	Italy♦
Best Practices		Coordination of marine litter initiatives and organizations in Benelux countries	Belgium, Luxembourg, The Netherlands (Federplast, Essenscia, NRK, PlasticsEurope)
Best Practices		Identiplast – European event on sharing best practices in recycling/recovery of plastics	Europe, (PlasticsEurope)
Best Practices		Land-sourced litter prevention initiative – stakeholders reviewing product design, behavioral changes, waste infrastructure to identify meaningful steps to prevent litter	Austria♦, Germany, Switzerland (IK, KVS)
Best Practices		MOLOK-deep collection of waste – innovative waste collection and litter reduction system (expanded beyond Finland)	Finland (Muoviteollisuus ry)
Recycling/Recovery		Half-litre plastic bottles: Close the Loop – program to capture bottles for recycling	The Netherlands (NRK)
Recycling/Recovery		Landfills away from coast – effort to discontinue use of landfill near shore, recover energy from plastics	Finland (Muoviteollisuus ry)

Europe continued

WORK AREA	STATUS	NAME/PROJECT	LOCATION
Recycling/Recovery		Nedvang/Plastic Heroes – government, cities, industry agreement on disposition of packaging waste, increased recycling	The Netherlands (PlasticsEurope)
Recycling/Recovery		New plastic packaging waste recovery routes, including enhanced recycling bins and responsibilities	Finland (Muoviteollisuus ry)
Recycling/Recovery		Passive capturing of floating debris – initiative to create innovative marine litter collection technology and explore recovery options	Belgium (Federplast)
Recycling/Recovery		RAFU (recycling of used agricultural film) – anti-litter and recycling initiative	France (CPA, PlasticsEurope)
Recycling/Recovery		Value chain agreement – joint initiative to improve sustainability, increase reuse/recycling, and reduce marine litter	The Netherlands (NRK, PlasticsEurope)
Recycling/Recovery		Waste Free Oceans – marine litter clean up initiative using fishing trawls to capture plastics for recycling/recovery	Belgium (Federplast)
Recycling/Recovery		Waste Free Oceans – marine litter clean up initiative using fishing trawls to recover plastics for recycling	Europe (EuPC, EuPR, Federplast)
Recycling/Recovery		Waste Free Oceans – marine litter clean up initiative using fishing trawls to recover plastics for recycling	France
Recycling/Recovery		Waste Free Oceans – marine litter clean up initiative using fishing trawls to recover plastics for recycling	Turkey (PAGEV)
Pellet Containment		Operation Clean Sweep – plastic pellet containment program [Note: PlasticsEurope represents numerous European plastics associations and is promoting OCS to its members]	Denmark (Plastindustrien), Europe (PlasticsEurope) France, (Fed. Plasturgie), The Netherlands (NRK), United Kingdom (BPF)
Pellet Containment		Plastic pellet containment program	Austria, Belgium (Federplast), Germany (VCI)
Pellet Containment		Yksikään pelletti ei karaka – anti-litter effort through plastics supply chain	Finland (Muoviteollisuus ry)

Global

WORK AREA	STATUS	NAME/PROJECT	LOCATION
Education		Newsletter – Global Declaration signatories highlighted marine litter projects to raise awareness among policymakers, researchers, others	Global (ACC, PlasticsSA, PlasticsEurope)
Education		Marine Litter Solutions – web site highlighting the marine litter issue and global plastics industry initiatives	Global
Research		GESAMP research on micro-plastics – support multinational research on occurrence and impact	United Nations (ACC, PlasticsEurope)
Pellet Containment		Operation Clean Sweep – plastic pellet containment program (USA program run by SPI and ACC with 22 international license holders) <i>[Note: while this project is being implemented in multiple countries, it is counted only as one project in the project count]</i>	Australia, Brazil, Canada, Chile♦, China, Costa Rica♦, Denmark, Ecuador♦, Europe (PlasticsEurope), France, Guatemala♦, India, Japan, Malaysia, Mexico, Nepal♦, The Netherlands, New Zealand, Philippines, South Africa, United Kingdom

The Global Declaration's Countries and Participating Organizations

Countries with Global Declaration Signatories (34)

Argentina, Australia, Austria♦, Belgium, Brazil, Bulgaria, Canada, Chile♦, China, Costa Rica♦, Croatia, Czech Republic, Denmark, Ecuador♦, Egypt♦, Finland, France, Germany, Greece, Guatemala♦, Hungary, India, Italy♦, Japan, Malaysia, Mexico, Nepal♦, The Netherlands, New Zealand, Philippines, Poland♦, Portugal, Romania, Slovenia♦, South Africa, South Korea, Spain, Sweden, Switzerland, Thailand, Turkey, United Arab Emirates, United Kingdom, United States of America

Participating Plastics Organizations (65)

1. ACC, American Chemistry Council, Washington, D.C., United States of America
2. AFMA, American Fiber Manufacturers Association, Arlington, VA, USA
3. AICM, Association of International Chemical Manufacturers, Beijing, China
4. AIPMA, All India Plastic Manufacturers Association, Mumbai, India
5. AHPI, Association Hellenic Plastics Industries, Athens, Greece
6. ANAIP, Spanish Association of Plastics Industry, Madrid, Spain
7. ANAPE, Asociación Nacional de Poliestireno Expandido, Madrid, Spain
8. ANDIMAT, Asociación Nacional de Fabricantes de Materiales Aislantes, Madrid, Spain
9. ANIPAC, Asociación Nacional de Industrias del Plástico, Asociación Civil, Mexico City, Mexico
10. APIP, Associacao Portuguesa da Industria de Plasticos, Lisbon, Portugal
11. ASECONP, Asociación Española de Fabricantes de Contenedores Plásticos para Residuos Urbanos, Madrid, Spain
12. ASEMUPLAST, Asociación de Empresarios del sector Plástico de la región de Murcia, Spain
13. ASEPUR, Asociación Española de empresas de polyuretano, Madrid, Spain
14. ASETUB, Asociación Española de fabricantes de tubos y accesoros plasticos, Madrid, Spain
15. ASOVEN, Asociación Ventanas pvc, Madrid, Spain
16. ASPAPLAST, Romanian Plastics Processor Employers' Association, Bucharest, Romania
17. BAP, Bulgarian Association Polymers, Sofia, Bulgaria
18. BPF, British Plastics Federation, London, United Kingdom
19. CEP, Centro Español de Plásticos, Madrid, Spain
20. CPCIF, China Petroleum and Chemical Industry Federation, Beijing, China
21. CSRMA, China Synthetic Resin Marketing Association, Beijing, China
22. Cicloplast, Madrid, Spain
23. CIRFS, European Man-Made Fibres Association, Belgium, Brussels
24. CPA, Comité Français des Plastiques en Agriculture, Levallois Perret, France
25. CPIA, Canadian Plastics Industry Association, Mississauga, Canada
26. CPPIA, China Plastics Processing Industry Association, Beijing, China
27. ECOPLAS Argentina SA, Buenos Aires, Argentina
28. Elipso, Les entreprises de l'emballage plastique et souple, Paris, France
29. EPS-IA, EPS Industry Alliance, Crofton, MD, USA
30. Essenscia, Belgium Federation for Chemistry, Plastics and Life Sciences, Brussels, Belgium
31. EuPC, European Plastics Converter Association, Brussels, Belgium

32. EuPR, European Plastics Recyclers, Brussels, Belgium
33. EUROMAP, European Plastics and Rubber Machinery, Frankfurt, Germany
34. FAMA, Asociación de Fabricantes de Artículos Monouso Reciclables, Madrid, Spain
35. Federation de La Plasturgie, French Association of Plastic Converters, Paris, France
36. Federplast, Belgian Federation of Plastics Producers and Rubber Products, Brussels, Belgium
37. Fetraplast, Federacion Espanola de Transformadores y Manipuladores de Plasticos, Madrid, Spain
38. FTI, Federation of Thai Industries, Bangkok, Thailand
39. GPCA, Gulf Petrochemicals & Chemicals Association, Dubai, United Arab Emirates
40. HGK, Croatian Chamber of Economy, Zagreb, Croatia
41. IK Industrievereinigung Kunststoffverpackungen e.V, Bad Homburg V.D.H, Germany
42. Instituto do PVC, Sao Paulo, Brazil
43. IPI, Indian Plastics Institute, Mumbai, India
44. JPIF, The Japan Plastics Industry Federation, Tokyo, Japan
45. KPIA, Korea Petrochemical Industry Association, Seoul, South Korea
46. KVS, Kunststoff Verband Schweiz, Aarau, Switzerland
47. MMSZ, Association of Hungarian Plastics Industry, Budapest, Hungary
48. MPMA, Malaysian Plastics Manufacturers Association, Selangor, Malaysia
49. Muoviteollisuus ry, Finnish Plastics Industries Federation, Helsinki, Finland
50. NRK, Dutch Rubber & Plastics Federation, Leidschendam, The Netherlands
51. P&K, Plast och Kemiforetagen, Stockholm, Sweden
52. Packaging SA, Bryanston, South Africa
53. PACIA, Plastics and Chemicals Industries Association, Melbourne, Australia
54. PAFA, Packing and Films Association, Nottingham, United Kingdom
55. PAGEV, Turkish Plastics Manufacturers Research, Development & Educational Foundation, Istanbul, Turkey
56. PlasticsEurope, European Association of Plastics Manufacturers, headquartered in Brussels, Belgium with regional centers in Frankfurt, Germany, London, United Kingdom, Madrid, Spain, Milano, Italy and Paris, France
57. Plastics New Zealand, Manukau City, New Zealand
58. Plastics|SA, Gauteng, South Africa
59. Plastindustrien, Danish Plastics Federation, Copenhagen, Denmark
60. Plastivida, Instituto Sócio-Ambiental dos Plásticos, Sao Paulo, Brazil
61. PPIA, Philippine Plastics Industry Association, Caloocan City, Philippines
62. SPI: The Plastics Industry Trade Association, Washington, D.C., USA
63. SPPCR, Association of Plastics Industry of the Czech Republic, Prague, Czech Republic
64. WPC – World Plastics Council, an organization of executives in the plastics industry engaged in global issues
65. WVK, Wirtschaftsvereinigung Kunststoff, Bad Homburg, Germany

◆ *These countries conduct marine litter projects and are included in the “Projects Underway – A Snapshot” section. However, they are not included in the country count because they have no Global Declaration signatory.*



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