

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

4th PROGRESS REPORT

March 2018



**MARINE LITTER
SOLUTIONS**



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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 plastic waste in the environment is unacceptable and that we all have a role in fighting 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 4th Progress Report summarizes the status of commitments made under the Global Declaration. As of December 2017, approximately 355 projects have been planned, underway, or completed. This represents an increase of more than three and a half times the number of projects since 2011 when 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.

These projects have been undertaken by 74 plastics associations that have signed the Global Declaration in 40 countries, plus an additional 13 associations that have not signed the Declaration. The Global Declaration and list of signatories can be found at: www.marinelittersolutions.com

As of December 2017

355 projects have been planned,
underway, or completed. 74 plastics
associations representing 40 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, and that rivers act as a major pathway to the marine environment for mismanaged plastic waste. Remarkably, it’s estimated that more than 90 percent of river-based litter originates from only 10 rivers. Ocean-based sources include trash from boats, abandoned or lost fishing gear, and natural disasters.

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 increased action. Because ocean litter has no geographic or political boundaries, solutions must be both local and global and involve international partnerships. Effective solutions focus on preventing all types of litter from entering waterways and oceans.

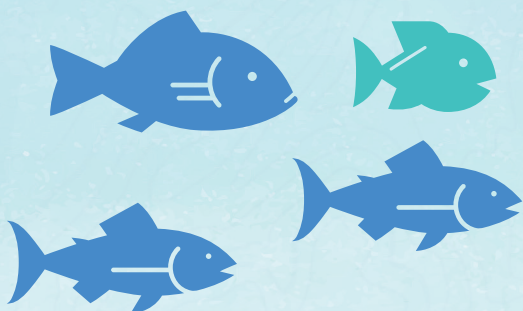
“Marine litter is a global problem that we must tackle on a global scale.”

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

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,



*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.

90%



of river-based litter, a major pathway to the marine environment for mismanaged plastic waste, originates from only 10 rivers.

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, 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 4th Progress Report provides an update on that commitment (Progress Reports also were published in 2016, 2014, and 2012).

As of December 2017, 74 plastics associations from 40 countries have signed the Global Declaration, and approximately 355 projects have been planned, underway, or completed. (This number includes projects reported by 13 associations that have not signed the Declaration but nevertheless conduct and report marine litter projects.) These projects represent an increase of

more than three and a half times the number of projects since 2011 when the Declaration was announced.

Signatories use the Global Declaration as a framework for action, in cooperation with other stakeholders.

“Marine litter is a global problem that we must tackle on a global scale,” said Steve Russell, vice president of plastics for the American Chemistry Council. “It’s heartening to see the growing number of plastics makers and associations across the globe involved in developing sustainable solutions.”

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

“To capture waste before it reaches the oceans, Asia Plastics Forum member countries have implemented many on-going projects, including education and public awareness programs, beach and river clean ups, and major “Trash Free Festivals,” said Callum Chen, Secretary-General of the Asia Plastics Forum, “in collaboration with raw material suppliers, schools, local municipalities, ministries of environment, and NGOs. Progress in these areas could have a great impact on reducing all types of marine litter, including plastics.

The Global Declaration and list of signatories can be found at: www.marinelittersolutions.com/about-us/joint-declaration

Commitments 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 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. The signatories focus primarily on solutions for the plastics portion of marine litter. Success will require sustained, good faith cooperation among a wide range of stakeholders.

The example 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**. Raising awareness of the problem and highlighting steps people are taking to combat it can help change behavior that results in litter.

Projects include:

- Plastic waste collection for recycling, distribution of leaflets on marine litter to students and citizens, and a seminar for marine litter stakeholders in Bangladesh
- A video contest for high school students in Canada regarding the role plastics play in their lives, from the 3Rs to marine litter
- Participation in a Finnish national festival highlighting clean water and fish in the Baltic Sea

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:

- A study measuring the types of pollution in Guanabara Bay near Rio de Janeiro in Brazil
- Research in the USA to determine the fate of plastics in the marine environment, including the formation of biofilms on plastics
- Global research to identify the primary sources of marine litter and methods to address them

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. Advocating effective and efficient policies and effective waste management can spur cleanups and support marine litter prevention.

Projects include:

- Promotion of policy to divert all plastics from landfills toward sustainable uses in South Africa
- Participation in developing a strategic Road Map document aimed at developing the plastics recycling industry in Russia
- Support for a national policy leading to waste segregation 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 other stakeholders understand what actually works to prevent marine litter.

Projects include:

- Establishment of the Philippine Alliance for Recycling and Material Sustainability (PARMS) to develop and implement a comprehensive program to increase resource recovery and reduce landfill dependence, aiming towards zero waste
- Round Table Eco Design of Plastic Packaging initiated in Germany with the plastics packaging value chain to develop guidelines for the ecological design of plastic packaging
- Partnership with federal government, plastics makers, and a local institute to develop locally generated activities to reduce marine litter in Maine and New Hampshire, USA

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 saves valuable resources, conserves energy, and reduces greenhouse gas emissions.

Projects include:

- Working with Plastics for Change in India supporting mobile technologies to create sustainable livelihoods for workers in the informal recycling sector, while transitioning to a circular economy
- Program in Thailand to collect plastics from the ocean and beaches and convert them into new products

- Materials-to-energy conversion program in Edmonton, Canada, to measure the correlation between energy production and increasing amounts of plastics

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 are unsightly and can be mistaken for food by wildlife, so containing pellets to reduce their loss is critical.

Projects include:

- An initiative launched in the USA (Operation Clean Sweep) that focuses on proper containment of plastic pellets by plastics makers and the plastics value chain, now licensed to associations in 33 countries and one continent (see Spotlight Case Study on page 13)
- Numerous similar plastic pellet containment programs in various countries that have not licensed Operation Clean Sweep



Case Studies

WORK AREA #1 / EDUCATION

Keep It Beachy Clean

VIRGINIA, USA/THE AMERICAS

A litter prevention campaign for both land and marine environments, Keep It Beachy Clean began as a pilot program in 2015 by Clean Virginia Waterways, a statewide nonprofit organization that delivered anti-litter messaging to hotel guests and employees in Virginia Beach's resort area. The campaign messages focused on specific actions that beach visitors can take – specifically preventing trash from becoming litter – to support clean, safe beaches and waters.

The campaign's messages were placed on posters and placemats in hotels and restaurants, drink coasters in bars, beach trolleys, and stickers for trashcans. The Vacation Channel produced public service announcements that were shown on hotel TVs in Virginia Beach.

In 2017, America's Plastics Makers™ and others joined with Clean Virginia Waterways to expand this effort throughout Virginia Beach's coastal communities. Dozens of organizations, hotels, and restaurants partner with Clean Virginia Waterways, with plans to offer the Keep It Beachy Clean message to other coastal Virginia and East Coast communities.

Marine Litter Action Network

UNITED KINGDOM/EUROPE

The Marine Litter Action Network (MLAN) was established in June 2014 to bring together people and organizations across different sectors to tackle the issue of marine litter. MLAN brings together more than 60 organizations, including major retailers, plastics makers, scuba divers, marine conservationist, and others to raise awareness of marine litter, share best practices, and leverage and expand existing marine conversation campaigns. The British Plastics Federation and PlasticsEurope actively support MLAN.

The Network has focused on issues such as removing plastic microbeads from personal care products, researching sources of marine litter, preventing sewage related debris from reaching the marine environment, and transforming ocean plastics into new products. MLAN has brought together 1.7 million individuals, 38,000 volunteers, and more than 11,000 companies, groups, and organizations.

MLAN is part of the Marine Conservation Society of the United Kingdom, created in 1983, that focuses on protecting the seas, shores, and wildlife. More than 10,000 MCS volunteers clean up beaches each year and help tackle marine litter at source.



WORK AREA #2 / RESEARCH

GESAMP and Microplastics

GLOBAL

The Joint Group of Experts on the Scientific Aspects of Marine Environmental Protection (GESAMP) is an advisory body established in 1969 that advises the United Nations (UN) system on the scientific aspects of marine environmental protection.

One area of GESAMP study is microplastics, relatively tiny particles of plastics that have been manufactured or reached the marine environment as litter. Microplastics can be ingested by marine creatures and potentially could carry, accumulate, or release chemicals or pollutants.

Following a GESAMP workshop in 2010 that improved understanding of the potential impact of microplastics, as well as potential mitigation measures, the American Chemistry Council (ACC) and PlasticsEurope agreed to provide technical and financial support to GESAMP's research on microplastics. The research focused on evaluating the sources, fate, and effects of microplastics in the marine environment. ACC and PlasticsEurope worked with scientists and policy makers in this intergovernmental setting to help ensure that science informs the development of future policy.

GESAMP issued two reports on microplastics and the marine environment in 2015 and 2016. The reports add significantly to the scientific understanding of the sources and distribution of microplastics, their impacts on marine biota, ecosystems, commercial fishing, and socioeconomic systems, as well as potential mitigation and policy options.

Research to Design Marine Litter Prevention Programs

ARABIAN GULF

In 2017 the Gulf Petrochemicals and Chemicals Association (GPCA) commissioned public opinion research of residents of Arabian Gulf Cooperation Countries (GCC) to measure awareness and attitudes about plastics and the role of various groups related to plastics and the environment. The survey found that:

- when asked about the best methods to effectively reduce littering, residents chose recycling; but
- most residents could not identify which plastics could be recycled locally;
- when asked who should lead efforts to protect the environment from increased littering or unmindful disposal of plastics, nearly half of residents chose

government authorities, followed by 36 percent who chose the makers of plastic products.

The respondents expect the GCC authorities to promote more recycling in the region as well as to run more educational and awareness campaigns.

GPCA will use the survey results to design future marine litter prevention programs and to help increase recycling in the Arabian Gulf through campaigns such as GPCA's Waste Free Environment (WFE) campaign. Now in its fifth year, WFE recently expanded into three new territories, adding the U.S., Australia, and Sri Lanka to its global reach. Growing participation in the WFE initiative encompasses 29 companies and thousands of volunteers across 23 cities internationally.

WORK AREA #3 / PUBLIC POLICY

National Plastic Waste Management Forum 2017 GHANA/AFRICA

The issue of sustainable solid waste management remains a significant challenge in Ghana. In May 2017, the Ghana Plastic Manufacturers Association (GPMA) organized the first National Plastic Waste Management Forum in Accra, the nation's capital. The Forum brought together more than 60 organizations including plastics makers, multiple public officials, academics, multinational organizations, and other interested parties to help develop an integrated approach to properly managing end-of-life plastics.

During the Forum, GPMA highlighted its proposed plastic waste management strategy and sought stakeholder input. The various views of participants were assessed and adopted as a Blueprint to be presented to government for immediate action. The Blueprint champions efforts to boost recycling, to develop a communications strategy to change behaviors that lead to waste, and to increase awareness of waste issues for coastline dwellers, among other plans.

Stakeholders from the Forum followed up in October at the Plastic Waste Conference 2017 under the theme: “Mobilizing for a clean Ghana, plastic waste-free environment and the ocean: the role of government, industry and other stakeholders.” Discussions focused on governmental and legal considerations required to carry out the Blueprint. Conference organizers emphasized reaching the President of Ghana’s vision of making Accra the cleanest city in Africa by 2020.

WORK AREA #4 / BEST PRACTICES

Alliance For Marine Plastics Solutions INDONESIA/ASIA

Launched in September 2017, the Alliance for Marine Plastic Solutions (AMPS) brings together members of the Trash Free Seas Alliance, Indonesian government officials, and others to develop public-private partnerships to prevent plastic waste from entering Indonesian waterways and the marine environment. The alliance leverages relevant research and existing regional work by the plastics and other industries, NGOs, and multinational organizations to implement and accelerate marine litter projects in Indonesia, such as:

- identifying key sources of marine litter;
- improving waste management systems;
- supporting innovations in plastics recycling and recovery;
- implementing educational campaigns in key metropolitan areas that engage consumer product companies, retailers, plastics and packaging makers, hotels/restaurants/tourism, and others; and
- enabling activities that capture plastics before they reach the marine environment.



AMPS broadly shares lessons learned and best practices to catalyze and facilitate efforts through multiple East Asian consortia working on marine litter. While AMPS supports collaborations, individual member stakeholders develop and drive implementation of their solutions, helping ensure their stability and longevity. AMPS also makes the public aware of its work, using media outreach, web-based mechanisms, and other means.

African Marine Waste Network AFRICA

Launched in July 2016 for the 38 coastal and island states of Africa, the African Marine Waste Network (AMWN) unites a growing community of industry, researchers, educators, media, and governments to prevent marine litter in Africa.

AMWN provides a platform for sharing resources and knowledge within African countries and across borders and for finding solutions that cater to African circumstances and cultures. It is open to all involved in marine and pollution prevention, with the goal to “encourage the people of Africa to develop and implement better waste management strategies to benefit human health, prosperity, and the environment.”

The network is implemented by the Sustainable Seas Trust, which is guided by an Advisory Panel of stakeholders with expertise in technical, educational, capacity building, political, and economic arenas. AMWN is operated by communicators, researchers, educators, and managers within Africa.

AMWN conducted its inaugural meeting, the African Marine Waste Conference 2017, where delegates defined the future direction of the Network by developing the “Marine Waste Strategy: Guide to Action for Africa”, a strategy for tackling and alleviating Africa’s waste problems. At the conference, plastics and packaging makers presented opportunities for reducing the environmental impact of plastics, and participants focused on developing a circular economy to help solve Africa’s waste problem while enabling job creation.

WORK AREA #5 / RECYCLING/RECOVERY

Recicla Isopor® Campaign **BRAZIL/THE AMERICAS**

In 2015 Plastivida, an association of plastics makers in Brazil, launched the “Recicla Isopor®” campaign to educate Brazilians about the recyclability of foam polystyrene plastic and to encourage citizens to recycle foam at drop off locations. The campaign aims to stimulate the “responsible consumption and proper disposal, based on the dissemination of knowledge about the recyclability of the material, as well as being a sustainability action that generates environmental, social, and economic benefits.”

Recycling collection bins have been installed in various locations such as select grocery stores and the Sao Paulo City Hall to receive the material brought by the public, including foam packaging used to protect home appliances and consumer electronics. Instead of becoming waste or litter, the collected foam polystyrene is reprocessed and sold to companies that manufacture new products, such as moldings, baseboards, thermo acoustic tiles, flooring, slippers, puff filling material, flower boxes, and more.

According to Plastivida, Brazil recycled 34.5 percent of the foam polystyrene consumed in 2012, which generated more than 1,400 jobs and R \$85.6 million for 22 recycling companies. To increase recycling beyond that rate, Plastivida participates in events, lectures, workshops, and fairs and encourages media coverage of foam polystyrene recycling.

Wrap Recycling Action Program (WRAP) **USA/THE AMERICAS**

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 help raise awareness and increase participation in plastic film recycling across the country.

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 and then drop them in storefront recycling bins. Collecting plastic bags and wraps for recycling removes them from the waste stream and helps prevent litter caused by human carelessness and loss from garbage trucks and waste sites.

In 2017, WRAP partners in the coastal state of Connecticut (CT) initiated a program that includes the state environment/energy department, grocers association, recycling association, elected representatives, and others, as well as plastic film producers. CT WRAP partners conducted targeted media outreach and public relations efforts to communicate the proper recycling of plastic film, primarily to residents in the greater Hartford area. A global brand company sponsored a radio advertising campaign, and a separate television ad campaign is focused on Spanish speaking residents.

Preliminary results show an increase in the amount of plastic film collected and a decrease in non-film collected at grocery stores, similar to results from previous WRAP city and state campaigns. (For example, a campaign in Vancouver, Washington, doubled plastic film collection at retail stores.) In addition, among residents in the greater Hartford area, awareness of plastic film recycling and the specific items to recycle increased significantly, as did the percentage of those who say they recycle plastic film items most or all of the time (from 30 to 40 percent). CT WRAP partners will report additional metrics such as reductions in unwanted presence of plastic film in curbside recycling bins.

Spotlight Case Study: OPERATION CLEAN SWEEP®

WORK AREA #6 / PLASTIC PELLET CONTAINMENT

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 transported through various means – in bags, boxes, trucks, rail cars, barges – to companies that make products with them.

If not properly managed during manufacture, transport, and production of products, 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 small 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; today called The Plastics Industry Association or PLASTICS) in 1992 created an initiative in the USA to minimize pellet loss called Operation Clean Sweep that 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.

PLASTICS and the American Chemistry Council (ACC) later 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.

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 33 countries and one continent (Europe) have signed licensing agreements:

- Albania
- Australia
- Belgium
- Brazil
- Canada
- Chile
- China
- Columbia
- Costa Rica
- Denmark
- Ecuador
- Egypt
- Estonia
- Europe
(PlasticsEurope)
- France
- Ghana
- Greece
- Guatemala
- India
- Indonesia
- Italy
- Japan
- Malaysia
- Mexico
- Nepal
- The Netherlands
- New Zealand
- Philippines
- Poland
- Serbia
- South Africa
- Spain
- Turkey
- United Kingdom

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 has been expanded to include two additional forms of plastic resins: flakes and powders.

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



Projects Underway – a Snapshot

Plastics associations have planned, completed, or are implementing approximately 355 marine litter projects. This represents an increase of more than three and a half times the number of projects since 2011 when the Global Declaration was announced.

As of December 2017, 74 associations from 40 countries (listed below) have signed the Global Declaration. An additional 13 associations from 13 countries (listed separately below) that have not signed the Declaration also reported projects.

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 2017. Projects noted with ♦ have been added since the 2016 Progress Report..

The projects are segregated by the:

- regions (Africa, Americas, Arabian Gulf, Asia [excluding Arabian Gulf, Russia, and Turkey], Australia/New Zealand, Europe [including Russia and 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.



STATUS / NOVEMBER 2017

-  COMPLETED
-  UNDERWAY/ONGOING
-  PLANNED
-  CANCELLED
-  STATUS UNCERTAIN AT TIME OF REPORT
- ♦ PROJECTS ADDED SINCE 2016 PROGRESS 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 ♦		Beach cleanup – event at densely populated Chorker beach in Accra with 80+ organizations committed to ocean pollution solutions including school children	Ghana (GPMA)
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 and Recycle 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)



COMPLETED



UNDERWAY/ONGOING



PLANNED



CANCELLED



STATUS UNCERTAIN AT TIME OF REPORT



PROJECTS ADDED SINCE 2016 PROGRESS REPORT

WORK AREA	STATUS	NAME/PROJECT	LOCATION
Policy ♦		National Plastic Waste Management Forum 2017 – gathering of 60+ organizations (plastics makers, public officials, academics, multinational organizations, others) to help develop integrated approach to properly managing end-of-life plastics.	Ghana (GPMA)
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 ♦		African Marine Waste Network (AMWN) and Conference – growing community of industry, researchers, educators, media, and governments to prevent marine litter in Africa; inaugural 2017 conference in Port Elizabeth, South Africa	Africa (Plastics SA)
Best Practices		Cigarette butt collection bins along beaches	South Africa (Plastics SA)
Best Practices		Fish-line bins – collects discarded fishing line located at high density fishing areas	South Africa (Plastics SA)
Best Practices ♦		River Catchment Project – focus on three targeted river area sources of marine litter to educate, clean up, collect, and recycle plastics	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	Global (see list of countries above under Case Studies)

The Americas

WORK AREA	STATUS	NAME/PROJECT	LOCATION
Education		America Recycles Day – promote increased plastics recycling	USA (ACC)
Education		Anti-litter calendar design contest (student focused)	Canada (CPIA)

The Americas continued

WORK AREA	STATUS	NAME/PROJECT	LOCATION
Education		Anti-litter campaign – Keep America Beautiful (national)	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, PLASTICS)
Education		Clean Community Competition – sponsored competition in Baltimore, MD, 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, CA	USA (ACC)
Education		Great Canadian Shoreline Cleanup	Canada (CPIA)
Education		Great Lakes Clean Up Partnership	Canada (CPIA)
Education		Great lakes Fisheries Project – determined plastics collection options at commercial fishery in Lake Erie	Canada (CPIA)
Education ♦		Guide to Reducing Litter – instructions to help restaurants prevent litter, created in partnership with Keep America Beautiful and National Restaurant Association	USA (FPI)
Education ♦		How Will You... End Littering? – co-sponsored Keep America Beautiful's national video contest focused on ending litter	USA (FPI)
Education		International Coastal Cleanup – support annual litter clean up events	USA (ACC)
Education ♦		Life cycle of bags – participated in Canada's first life cycle assessment of plastic bags under ISO standards	Canada (CPIA)
Education ♦		Litter prevention – education campaign and installation of more effective trash cans on Oahu island, Hawaii	USA (ACC)
Education		Living Classrooms – anti-litter program/river clean up in Washington, DC (student focus)	USA (ACC)



COMPLETED



UNDERWAY/ONGOING



PLANNED



CANCELLED



STATUS UNCERTAIN AT TIME OF REPORT



PROJECTS ADDED SINCE 2016 PROGRESS REPORT

WORK AREA	STATUS	NAME/PROJECT	LOCATION
Education ♦		Los Angeles Conservation Corps – support city program to serve underprivileged youth and environmental cleanup	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		Plastics Make it Possible – national campaign to raise awareness of the value of plastics and to encourage increased plastics recycling	USA (ACC, PLASTICS)
Education ♦		Plasticurious video contest – contest for high school students regarding the role plastics play in their lives, from the 3Rs to marine litter	Canada (CPIA)
Education		Rozalia Project – education and marine litter clean up (youth focus)	Canada (CPIA)
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		Teacher training course by Secretariat of Education on plastics, sustainability, recycling, waste, and marine litter.	Brazil (Plastivida)
Education		Trash Free Waters – partnership with Environmental Protection Agency to reduce trash entering bodies of water and coastlines	USA (ACC, PLASTICS)
Education ♦		“Understent Litter” education project, initiated during 2016 Olympic games to educate coastal population to origins of marine litter and possible prevention strategies	Brazil (Plastivida)
Education ♦		Warwick Trash Reduction and Prevention – pilot program to address littering sites on Rhode Island coast near Narragansett Bay	USA (ACC)
Research ♦		California Recycling Bins and Signage – study to determine status of signs/bins to collect plastics along coast with subsequent recommendations	USA (ACC)
Research ♦		Fate of Plastics – Research to determine fate of plastics in marine environment, including formation of biofilms on plastics	USA (ACC)

The Americas continued

WORK AREA	STATUS	NAME/PROJECT	LOCATION
Research		Litter study in Rhode island	USA (ACC)
Research		Litter study on Oahu island, 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	USA (ACC)
Research		Monitoring marine litter on the Brazilian coast	Brazil (Plastivida)
Research		Monitoring pellets found at port	Brazil (Plastivida)
Research ♦		Plastics Density Biofilm – study of how biofilm formation alters density of various plastics in ocean and its impact	USA (ACC)
Research ♦		Pollution study – diagnosis of scope of pollution in Guanabara Bay near Rio de Janeiro	Brazil (Plastivida)
Research		Post-industrial plastics scrap survey – gather information on generation and disposition of post-industrial plastics scrap	USA (PLASTICS)
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	Brazil (Plastivida)
Research		Sustainability Benchmark Survey – gather data on sustainability practices, including recycling, of plastics companies	USA (PLASTICS)
Research		TWAP – funding support for assessing the impacts of micro-plastics in the open oceans component of the United Nation’s “Transboundary Waters Assessment Programme”	USA, Global (ACC)
Policy ♦		Marine Debris Dialogue – two-day meeting of industry, academia, government, and NGOs to exchange information and explore collaboration on marine litter prevention	USA (ACC)
Policy		Model legislation for jurisdictions worldwide supporting safe use of post-consumer plastics in food packaging	USA (PLASTICS)



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♦ PROJECTS ADDED SINCE 2016 PROGRESS REPORT

WORK AREA	STATUS	NAME/PROJECT	LOCATION
Policy		National Policy on Solid Waste – agreement between government and private sector to increase recycling	Brazil (Plastivida)
Policy ♦		Plastics and Sustainability – study on environmental costs of plastics and alternatives and policy recommendations to further reduce environmental costs and curb marine litter	USA (ACC)
Policy		Support legislation prohibiting microbeads in consumer products	Canada (ACC, CPIA, PLASTICS)
Policy		Support legislation prohibiting microbeads in 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)
Policy		Support pellet containment law implementation (California)	USA (ACC, PLASTICS)
Policy		Support pellet containment legislation (California)	USA (ACC, PLASTICS)
Policy		Support reauthorization of marine litter legislation (federal)	USA (ACC)
Policy		Task force for marine litter public policy advocacy, encompassing marine litter prevention and remediation	USA (PLASTICS)
Best Practices ♦		Beachy Clean – litter prevention campaign for both land and marine environments, designed to spread through coastal Virginia and beyond	USA (ACC)
Best Practices ♦		Brazilian Plastics Sectoral Forum gathers companies, associations, and unions contributing to marine litter activities, including education, prevention, collection, and recycling	Brazil (Plastivida)
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)

The Americas continued

WORK AREA	STATUS	NAME/PROJECT	LOCATION
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 – partnership to expand recycling best practices 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 ♦		Trash Free Piscataqua – partnership with federal government, plastics makers, and local institute to develop locally generated activities to reduce marine litter in Maine and New Hampshire	USA (ACC)
Best Practices ♦		Trinity River Adopt-a-Spot Mapping Tool – interactive web-based tool for adopt-a-spot locations in river watershed to track, remove, and prevent waste/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)
Recycling/Recovery		A Bag's Life – public educational campaign promoting the three R's related to plastic film wraps and bags	USA, (PLASTICS)
Recycling/Recovery		Agricultural plastics recovery research	Canada (CPIA)



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PROJECTS ADDED SINCE 2016 PROGRESS REPORT

WORK AREA	STATUS	NAME/PROJECT	LOCATION
Recycling/Recovery		Away from home recycling – support education/collection/recycling at outdoor sporting events	Canada (CPIA)
Recycling/Recovery ♦		Conversion barriers study – review of provincial regulations to determine regulatory/policy barriers to establishing conversion technologies in Canada	Canada (ACC, 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, PLASTICS)
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 ♦		Film collection/recycling directory – toolbox for plastic film collectors and recovery facilities	Canada (CPIA)
Recycling/Recovery ♦		Foam Recycling Coalition – share information, provide technical resources, and offer funding to start or strengthen post-consumer foam polystyrene recycling	USA (FPI)
Recycling/Recovery ♦		Foodservice Packaging Recovery Toolkit – comprehensive resource on foodservice packaging recovery, collection, processing, and marketing	USA (FPI)
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 ♦		Materials Recovery for the Future (MRFF) – collaborative initiative to recycle/recover flexible packaging	Canada, USA (ACC, CPIA, FPA, PLASTICS)

The Americas continued

WORK AREA	STATUS	NAME/PROJECT	LOCATION
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)
Recycling/Recovery		plasticmarkets.org – connects plastics recyclers and buyers	USA (ACC)
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, PLASTICS)
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)



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PROJECTS ADDED SINCE 2016 PROGRESS REPORT

WORK AREA	STATUS	NAME/PROJECT	LOCATION
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	Canada (ACC, CPIA)
Recycling/Recovery		Plastics-to-fuel regulatory framework development	USA (ACC)
Recycling/Recovery ♦		Recicla Isapor® Campaign – encourage recycling of foam polystyrene plastic at drop off locations	Brazil (Plastivida)
Recycling/Recovery		RecyclePlastics365.org – plastics recycling marketplace that links supply and demand for plastic scrap	USA (PLASTICS)
Recycling/Recovery		Recycle Your Plastics – web site to help increase plastics recycling	USA (ACC)
Recycling/Recovery		Recycling Committee – brings together plastics supply chain to support recycling efforts	USA (ACC, PLASTICS)
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 ♦		Toronto Trash Wheel – project to determine feasibility of placing trash wheel to collect marine litter and educate public	Canada (ACC, CPIA)
Recycling/Recovery		Toy recycling and recovery (plastics-to-fuel) project (Oregon)	USA (ACC, PLASTICS)
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 Project) – national partnership program to promote increased recycling of plastic film wraps and bags	USA (ACC)
Recycling/Recovery ♦		WRAP (Wrap Recycling Action Project) Atlanta – partnership to promote increased recycling of plastic film wraps and bags in Georgia city	USA, (ACC)
Recycling/Recovery ♦		WRAP coastal North Carolina – partnership to promote increased recycling of plastic film wraps and bags in coastal communities	USA (ACC)

The Americas continued

WORK AREA	STATUS	NAME/PROJECT	LOCATION
Recycling/Recovery ♦		WRAP Connecticut – partnership to promote increased recycling of plastic film wraps and bags in state	USA (ACC)
Recycling/Recovery ♦		WRAP Mecklenburg County – partnership to promote increased recycling of plastic film wraps and bags in North Carolina county	USA (ACC)
Recycling/Recovery ♦		WRAP/EPA MOU – memorandum of understanding with USA federal environment agency to support increased recycling of plastic film wraps and bags and sustainable materials management	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	USA, Global (ACC)
Pellet Containment		Operation Clean Sweep – plastic pallet containment program	Global (see list of countries above under Case Studies)
Pellet Containment ♦		Operation Clean Sweep Blue – newly created membership level to enhance participation	USA (ACC, PLASTICS)

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) and beyond (four continents)	GCC (GPCA)
Education		Benefits of plastics video for school children that promotes recycling	GCC (GPCA)
Research ♦		Research to Design Marine Litter Prevention Programs – public opinion research of residents of GCC to guide design of future marine litter prevention programs and to help increase recycling in the Arabian Gulf	GCC (GPCA)
Policy		Relationship building with regional governments – engage with UAE Ministry of Climate Change and Environment to promote sustainable waste management; will expand to other Arabian Gulf Cooperation Countries (GCC)	United Arab Emirates (GPCA)



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PROJECTS ADDED SINCE 2016 PROGRESS REPORT

WORK AREA	STATUS	NAME/PROJECT	LOCATION
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 ♦		Articles on marine litter posted on social media	Thailand (FTI)
Education		Awareness campaign for industry and public using media to publish information on marine litter	China (CPCIF)
Education ♦		Awareness campaign for students and citizens: plastic waste collection for recycling, distribution of leaflets, seminar for marine litter stakeholders	Bangladesh (BPGMEA)
Education ♦		Awareness lectures/seminars for industries, consumers, and non-governmental organization	Japan (JPIF)
Education ♦		Beach cleanup – participation in post monsoon cleanup in Mumbai area	India (PlastIndia)
Education		Beach cleanup – support quarterly cleanup drives around Manila Bay	Philippines
Education		Beach cleanup in Kerteh	Malaysia (MPMA)
Education ♦		Beach cleanup app – web enabled tool for beach goers to report litter presence for rapid clean up	India (PlastIndia)
Education ♦		Cartoon Book – distributed to junior high schools and libraries to promote proper use and disposal of plastics	Thailand (FTI)
Education		Don't Be a Litterbug – anti-littering campaign	Malaysia (MPMA)

Asia continued

WORK AREA	STATUS	NAME/PROJECT	LOCATION
Education ♦		Education/collection campaign – focus on reducing marine litter effects of plastics at beaches and resorts	Myanmar (MPIA)
Education ♦		Eco-Ranger Programme – educate students on waste management, including hands on workshop on waste treatment options (ExxonMobil sponsor)	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		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)
Education ♦		River Ranger Programme – educate school children on marine environment with practical training and river water monitoring (Dow sponsor)	Malaysia (MPMA)
Education ♦		Trash Heroes Myanmar – educate communities regarding trash collection and disposal	Myanmar (MPIA)
Research ♦		Biodegradable compounds – develop formulations with bioplastics for various applications and processes	Thailand (FTI)



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PROJECTS ADDED SINCE 2016 PROGRESS REPORT

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 ♦		Advocate policy initiatives to reduce litter in national parks and on beaches	Thailand (FTI)
Policy ♦		Energy conversion – address barriers to investments in converting plastics/waste to energy	Philippines (PPIA)
Policy ♦		Energy conversion – develop guidelines for governing establishment of waste to energy technologies	Philippines (PPIA)
Policy ♦		National Solid Waste Management Commission – serve as vice chair and private sector representative	Philippines (PPIA)
Policy ♦		Next Wave: Investment Strategies for Plastics Free Seas – Trash Free Seas Alliance analysis of options to attract investment in waste management systems to help prevent marine litter	Southeast Asia (World Plastics Council)
Policy ♦		Plastic Waste Database – set up national database system of plastic waste	Thailand (FTI)
Policy ♦		Policy initiatives – encourage plastics recycling through policy changes including tax incentive	Thailand (FTI)
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 ♦		Communications with non-governmental organizations to support cleanup activities	Japan (JPIF)
Best Practices ♦		Declaration by manufacturers and associations to contribute to reducing plastic marine litter	Japan (JPIF)

Asia continued

WORK AREA	STATUS	NAME/PROJECT	LOCATION
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)
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 ♦		Net-Works – partnership that creates community-based supply chain for discarded plastic fishing nets for recycling	Philippines (ACC)
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)



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WORK AREA	STATUS	NAME/PROJECT	LOCATION
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 ♦		Philippine Alliance for Recycling and Materials Management – convene alliance to “Develop and Implement a Holistic & Comprehensive Program to Increase Resource Recovery and Reduce Landfill Dependence towards Zero Waste”	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)
Pellet Containment ♦		Plastics for Change – supporting mobile technologies to create sustainable livelihoods for workers in informal recycling sector, while transitioning to circular economy	India (Plastindia, ACC)
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 (PPIF)
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 (PPIF)
Recycling/Recovery		Recycled Doy Packs – promote enterprise that creates consumer products from recycled multilayer packaging such as juice packs	Philippines (PPIF)
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)
Recycling/Recovery ♦		Upcycling the Ocean – program to collect plastics from the ocean and beaches in Thailand and convert them into new products	Thailand (FTI)
Pellet Containment ♦		Code of Practice – program for loss prevention including plastic pellets	Thailand (FTI)
Pellet Containment		Operation Clean Sweep – plastic pellet containment program	Global (see list of countries above under Case Studies)

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 (Chemistry Australia)
Research		Research on types and sources of marine litter to enable targeted mitigation strategies	Australia (Chemistry Australia)
Policy		* Australian Packaging Covenant – co-regulatory model for improved litter mitigation and compliance	Australia (Chemistry Australia)
Policy		Support federal/state government policy and program development, including industry contributions/capabilities in support of litter reduction/mitigation strategies	Australia (Chemistry Australia)
Policy ♦		Assessment plan for analyzing the impacts of marine debris on marine vertebrate life (federal government).	Australia (Chemistry Australia)
Best Practices		* Australian Packaging Covenant – developing and sharing packaging design improvements	Australia (Chemistry Australia)
Best Practices		PACIA Design for Sustainability with Plastics (D4S) – advocates life cycle approach starting in packaging design stage	Australia (Chemistry Australia)
Best Practices		Sustainability in Supply Chains – guidance to drive sustainability	Australia (Chemistry Australia)
Best Practices		Sustainable Plastics Recovery Guidance – principle-based policy guidance for government, industry, communities	Australia (Chemistry Australia)
Recycling/Recovery		* Australian Packaging Covenant – focus on increased recycling, markets, recovery	Australia (Chemistry Australia)
Recycling/Recovery		Plastics recycling survey – national, annual	Australia (Chemistry Australia)
Recycling/Recovery		Recycling of expanded polystyrene (EPS) across New South Wales	Australia (Chemistry Australia)
Pellet Containment		Operation Clean Sweep – plastic pellet containment program	Global (see list of countries above under Case Studies)



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PROJECTS ADDED SINCE 2016 PROGRESS REPORT

Europe

including Russia and 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		Amsterdam Clean Water (formerly Clean Up Amsterdam) – awareness program to prevent plastics on streets, canals, and waterways	Netherlands (PlasticsEurope, NRK)
Education		Awareness seminar – sharing knowledge, establishing best practices and communications platform	Denmark (Plastindustrien)
Education		Beach Watch Big Weekend – beach clean up	UK (BPF)
Education ♦		Bincitives – Campaign that uses incentives to help reduce littering in high schools and local areas	United Kingdom (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 ♦		C3 Project – classroom game on plastic and marine litter for secondary schools	Netherlands (PlasticsEurope, NRK)
Education ♦		Casa Corepla – educational installation where young students learn importance of separate waste collection and recycling	Italy (PlasticsEurope)
Education ♦		Chi Ricicia Trova un Tesoro (Who Recycles Finds a Treasure) – summer tour on beaches to educate about proper disposal of plastics	Italy (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)

Europe continued

WORK AREA	STATUS	NAME/PROJECT	LOCATION
Education ♦		COREPLA-Legambiente conference – gathering to raise awareness of marine litter and proper handling of plastics, focused on circular economy	Italy (PlasticsEurope)
Education ♦		CSI: Litter Challenge – project to educate young people on what causes litter, its effects, and prevention, including development of anti-littering campaign	United Kingdom (BPF, PlasticsEurope)
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 ♦		EmergenSea – anti-marine litter awareness campaign focused on ships, marine swimming areas, and sailing clubs	Italy (PlasticsEurope)
Education ♦		European Week for Waste Reduction – initiative to encourage public authorities, private companies, civil society, and citizens to take actions related to sustainable resource and waste management	Italy (PlasticsEurope)
Education ♦		For Fish's Sake – creative project aiming to help Londoners understand how litter can end up in Thames River	United Kingdom (BPF)
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)
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 plastic in vacanza – advertising/awareness campaign on plastics and recycling on holiday	Italy
Education ♦		LIFE PlasTex – Educational activities encouraging collection of household plastics and textiles for recycling in accordance with circular economy goals	Croatia (HGK)



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♦ PROJECTS ADDED SINCE 2016 PROGRESS REPORT

WORK AREA	STATUS	NAME/PROJECT	LOCATION
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 ♦		Marine Litter: The Facts – web site to provide data-based information on marine litter and encourage positive solutions	United Kingdom (BPF)
Education ♦		Masterclasses in Plastics – presentations for policymakers and stakeholders on benefits and challenges of plastics	Netherlands (PlasticsEurope, NRK)
Education		MLAN (Marine Litter Action Network) – bring together organization from across various sectors to tackle marine litter	United Kingdom (BPF, PAFA, PlasticsEurope)
Education ♦		Müll und Unratsammelsack – initiative to encourage and enable canoeists to collect garbage found during paddling activities using specially designed, reusable plastic bag	Germany (PlasticsEurope)
Education ♦		Nativi Ambientali – national advertising campaign to promote the importance of packaging/recycling	Italy (PlasticsEurope)
Education		North Sea Partnership – identifying solutions for collecting plastic waste	Denmark (Plastindustrien)
Education		One Ocean Forum – international event in Milan for raising awareness and sharing knowledge of marine litter prevention/sustainability	Italy
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 ♦		Participation in Finnish national festival highlighting clean water and fish in the Baltic Sea	Finland (Muoviteollisuus ry)
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)

Europe continued

WORK AREA	STATUS	NAME/PROJECT	LOCATION
Education		Plastika Chronika – bimonthly magazine including articles on marine litter	Greece (AHPI)
Education		Plastimobile – plastics recycling awareness exhibit for school children	Belgium (Federplast)
Education ♦		RI-ciclo in Tour (Recycling in Tour) – recycling road show/ tour reaching visitors in 11 towns in South Italy during crowded season	Italy
Education ♦		Reciciaestate (Summerrecycling) – awareness campaign/ tour about recycling in 90 coastal municipalities of Campania and Liguria	Italy
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)
Education ♦		Rethink Plastics – initiative supporting plastics' role in circular economy, potentially leading to increased recycling/ recovery and reduced litter	The Netherlands (NRK, PlasticsEurope)
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 ♦		Testimonial campaign – web campaign on water protection in cooperation with German canoeing association includes testimonials from successful athletes (Olympic and world champions) and others	Germany (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)



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WORK AREA	STATUS	NAME/PROJECT	LOCATION
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 ♦		German Plastic Waste Statistics – study of plastic waste management and recycling by consortium of plastics value chain	Germany (PlasticsEurope)
Research ♦		Investigation of plastic pellets in the marine environment – study of behavior of pellets in marine environment	Germany (PlasticsEurope)
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		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)
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)
Research		Schone Maas (formerly Mosa Pura) – clean up and study of waste on Mosa river shores	The Netherlands (PlasticsEurope)
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)

Europe continued

WORK AREA	STATUS	NAME/PROJECT	LOCATION
Policy		Landfill ban – support for recovering plastic waste rather than landfilling	Turkey (PAGEV)
Policy ♦		Participation as member of the Public Council to the Ministry of Environment and water, Working Group on Waste	Bulgaria (BAP)
Policy		Memorandum of Understanding with the Ministry of the Environment and Water on policy on recycling, waste, and marine litter	Bulgaria (BAP)
Policy ♦		Plastic Waste Platform – initiative to improve cooperation with Ministry of Environment and other stakeholders	Croatia (HGK)
Policy		Policy development guidance as member of Public Council to the Ministry of the Environment and Water	Bulgaria (BAP)
Policy ♦		Round Table on Marine Litter – participation in government forum to coordinate and implement anti-marine litter measures	Germany (IK)
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)
Education ♦		Act4Litter – participate in partnership to deliver targeted, effective solutions to marine litter in marine protected areas	Spain (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 (Fed-erplast, 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)



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WORK AREA	STATUS	NAME/PROJECT	LOCATION
Best Practices		MOLOK-deep collection of waste – innovative waste collection and litter reduction system (expanded beyond Finland)	Finland (Muoviteollisuus ry)
Best Practices ♦		Round Table Eco Design – Initiative of plastics packaging value chain to develop guidelines for the ecological design of plastic packaging	Germany (IK)
Recycling/Recovery ♦		Agricultural film recycling – nationwide program to achieve goal of 50 percent recycling for agricultural plastic film by 2020	Germany (IK)
Recycling/Recovery ♦		Bottle recycling – basketball clubs transfer plastic bottles used during training to plastics recyclers	Russia (PCX)
Recycling/Recovery ♦		Circular Economy Transition Agenda – develop agenda towards circular economy for plastics by 2050 with Ministry of Infrastructure and Environment	The Netherlands (NRK, PlasticsEurope)
Recycling/Recovery ♦		Framework Agreement on Plastic Packaging (formerly Nedvang/Plastic Heroes) – government, cities, industry agreement on disposition of packaging waste, increased recycling	The Netherlands (PlasticsEurope)
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)
Recycling/Recovery ♦		MCS Cruises Trial -- Annual trial to collect plastic packaging on board cruise ships at Italian ports for recycling	Italy
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 ♦		Plastics Recyclers Conference gathered main Russian plastics recyclers to review needs and challenges	Russia (PCX)
Recycling/Recovery		RAFU (recycling of used agricultural film) – anti-litter and recycling initiative	France (CPA, PlasticsEurope)
Recycling/Recovery ♦		Road Map – Participation in developing strategic Road Map document aimed at developing plastics recycling industry in Russia	Russia (PCX)

Europe continued

WORK AREA	STATUS	NAME/PROJECT	LOCATION
Recycling/Recovery		Transition Agenda toward Circular Economy – 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	Global (see list of countries above under Case Studies)
Pellet Containment		Plastic pellet containment program: Null Granulat Verlust	Germany (IK)
Pellet Containment		Responsible Care Practice Project “Zero Pellet Loss” - Germany (VCI, PlasticsEurope)	Croatia
Pellet Containment		Yksikään pelletti ei karaka – anti-litter effort through plastics supply chain	Finland (Muoviteollisuus ry)



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Global

WORK AREA	STATUS	NAME/PROJECT	LOCATION
Education ♦		Green Room event – side event at 2016 United Nations Environment Assembly to highlight “Stemming the Tide” study by Ocean Conservancy’s Trash Free Seas Alliance® and to review projects under Global Declaration	United Nations (WPC)
Education		Marine Litter Solutions – web site highlighting the marine litter issue and global plastics industry initiatives	Global (WPC)
Education		Newsletter – Global Declaration signatories highlighted marine litter projects to raise awareness among policymakers, researchers, others	Global (ACC, PlasticsSA, PlasticsEurope)
Research		GESAMP research on micro-plastics – support multinational research on occurrence and impact	United Nations (ACC, PlasticsEurope)
Research ♦		International Technical Report – working group is developing report for international standards organization on knowledge and methodologies for testing plastic particles in marine environment	Global (PlasticsEurope)
Public Policy ♦		Close Loop Ocean – initiative to raise \$150 million for new funding mechanism to prevent plastic waste from leaking into oceans	Global (ACC, WPC)
Pellet Containment		Operation Clean Sweep – plastic pellet containment program (USA program run by PLASTICS and ACC; associations in 33 countries and one continent have signed licensing agreements) [Note: while this project is being implemented in multiple countries, it is counted only as one project in the project count]	Global (see list of countries above under Case Studies)

Countries with Global Declaration Signatories and Participating Associations

Countries with Global Declaration Signatories (40)

Argentina, Australia, Belgium, Brazil, Bulgaria, Canada, China, Columbia, Croatia, Czech Republic, Denmark, Finland, France, Germany, Ghana, Greece, Hungary, India, Indonesia, Japan, Malaysia, Mexico, Myanmar, The Netherlands, New Zealand, Philippines, Portugal, Romania, Russia, South Africa, South Korea, Spain, Sweden, Switzerland, Thailand, Turkey, United Arab Emirates, United Kingdom, United States of America, Vietnam

Countries with no Global Declaration Signatories that Nevertheless Report Projects (13)

Albania, Austria, Chile, Costa Rica, Ecuador, Egypt, Estonia, Guatemala, Italy, Nepal, Poland, Serbia, Slovenia

Global Declaration Signatories (Plastics Associations) (74)

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

33. EuPC, European Plastics Converter Association, Brussels, Belgium
34. EuPR, European Plastics Recyclers, Brussels, Belgium
35. EUROMAP, European Plastics and Rubber Machinery, Frankfurt, Germany
36. FAMA, Asociación de Fabricantes de Artículos Monouso Reciclables, Madrid, Spain
37. Federation de La Plasturgie, French Association of Plastic Converters, Paris, France
38. Federplast, Belgian Federation of Plastics Producers and Rubber Products, Brussels, Belgium
39. Fetraplast, Federacion Espanola de Transformadores y Manipuladores de Plasticos, Madrid, Spain
40. FPA, Flexible Packaging Association, Annapolis, MD, USA
41. FPI, Foodservice Packaging Institute, Arlington, VA, USA
42. FTI, Federation of Thai Industries, Bangkok, Thailand
43. GPCA, Gulf Petrochemicals & Chemicals Association, Dubai, United Arab Emirates
44. GPMA, Ghana Plastics Manufacturers' Association, Accra-North, Ghana
45. HGK, Croatian Chamber of Economy, Zagreb, Croatia
46. IK Industrievereinigung Kunststoffverpackungen e.V., Bad Homburg V.D.H, Germany
47. INAPLAS, Indonesian Olefins, Aromatics and Plastics Industry Association, Jakarta, Indonesia
48. Instituto do PVC, Sao Paulo, Brazil
49. IPI, Indian Plastics Institute, Mumbai, India
50. JPIF, The Japan Plastics Industry Federation, Tokyo, Japan
51. KPIA, Korea Petrochemical Industry Association, Seoul, South Korea
52. KVS, Kunststoff Verband Schweiz, Aarau, Switzerland
53. MMSZ, Association of Hungarian Plastics Industry, Budapest, Hungary
54. MPIA, Myanmar Plastics Industries Association, Yangon, Myanmar
55. MPMA, Malaysian Plastics Manufacturers Association, Selangor, Malaysia
56. Muoviteollisuus ry, Finnish Plastics Industries Federation, Helsinki, Finland
57. NRK, Dutch Rubber & Plastics Federation, Leidschendam, The Netherlands
58. OPPI, Organization of Plastics Processors of India, Mumbai, India
59. P&K, Plast och Kemiforetagen, Stockholm, Sweden
60. Packaging SA, Bryanston, South Africa
61. PAFA, Packing and Films Association, Nottingham, United Kingdom
62. PAGEV, Turkish Plastics Manufacturers Research, Development & Educational Foundation, Istanbul, Turkey
63. PCX, Russian Chemists Union, Moscow, Russia
64. PlasticsEurope, European Association of Plastics Manufacturers, Brussels, Belgium
65. Plastics New Zealand, Manukau City, New Zealand
66. Plastics|SA, Gauteng, South Africa
67. PLASTICS, The Plastics Industry Trade Association, Washington, D.C., USA
68. Plastindustrien, Danish Plastics Federation, Copenhagen, Denmark
69. Plastivida, Instituto Sócio-Ambiental dos Plásticos, Sao Paulo, Brazil
70. PPIA, Philippine Plastics Industry Association, Caloocan City, Philippines
71. SPPCR, Association of Plastics Industry of the Czech Republic, Prague, Czech Republic
72. VPA, Vietnamese Plastics Association, Ho Chi Minh, Vietnam
73. WPC – World Plastics Council, an organization of executives in the plastics industry engaged in global issues
74. WVK, Wirtschaftsvereinigung Kunststoff, Bad Homburg, Germany



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