



# MARINE LITTER SOLUTIONS

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

## 5<sup>th</sup> PROGRESS REPORT

JUNE 2020

# 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.

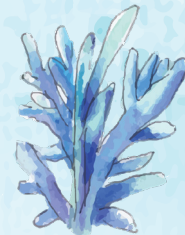
Recognizing that plastic waste in the environment is unacceptable and that everyone has a role in fighting marine litter, these industry leaders identified six work areas for initiatives aimed at contributing to sustainable solutions: education, research, public policy, sharing best practices, plastics recycling/recovery, and plastic pellet containment. The signatories also agreed to publicly report on progress toward meeting their commitments.

This 5th Progress Report summarizes the status of commitments made under the Global Declaration. As of early 2020, approximately 395 projects have been planned, underway, or completed. This represents an increase of four 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 80 plastics associations that have signed the Global Declaration in 43 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/who-we-are/joint-declaration.aspx](http://www.marinelittersolutions.com/who-we-are/joint-declaration.aspx)



AS OF

**EARLY 2020**

## **395 PROJECTS**

have been planned, underway, or completed – 4x more than when the Global Declaration was announced in 2011

## **80 PLASTICS ASSOCIATIONS**

representing 43 countries have signed the Declaration



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# 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.”<sup>1</sup>

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 more than 90 percent of riverine-based litter originates from ten rivers. Ocean based sources include trash from boats, abandoned or lost fishing gear, and natural disasters.

While marine litter consist of all sorts of materials, many plastics float or are suspended in water, making them more visible. Many also are resistant to degradation and persist in the marine environment.

Marine litter is not only unsightly – it can harm ocean ecosystems, wildlife, and potentially 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.

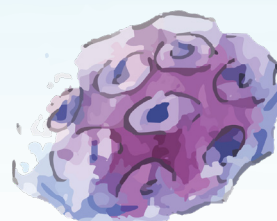
Around the globe, people are increasingly aware of the growing problem of plastic waste in the environment. As the scope and potential impacts of marine litter have become better understood, governments, private enterprises, environmental groups, and countless citizens have taken increased action. Because marine 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 the ocean. The problem is urgent.



Some marine animals ingest litter and choke or starve.



<sup>1</sup>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.)





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 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.



## THE GLOBAL DECLARATION

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 5th Progress Report provides an update on that commitment. (Progress Reports also were published in 2018, 2016, 2014, and 2012.)

As of early 2020, 80 plastics associations from 43 countries have signed the Global Declaration, and approximately 395 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 four 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.

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

“ Ending plastic waste in our ocean will require a more circular economy to keep plastics in productive use and out of our environment. It will require substantial improvements in recycling and waste infrastructure, changes in product design, and new business models to repurpose all sorts of used plastics. ”

**KEITH CHRISTMAN**

*Managing Director of Plastic Markets for the American Chemistry Council.*

“ Solving plastics litter requires global collaboration and bold actions. We need strong partnerships between an inter-connected plastics value chain and all stakeholders, at the local, national, and global level, to solve this problem and roll-out innovative, sustainable solutions. ”

**VIRGINIA JANSSENS**

*Managing Director, PlasticsEurope*

“ The way forward is to work with all stakeholders from upstream manufacturers to downstream fabricators, brand owners, governments, NGOs, media, and consumers as a team through the circular economy to find more ways to end plastic waste. ”

**CALLUM CHEN**

*Secretary-General of the Asia Plastics Forum*

# 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 sample projects and initiatives 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](http://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.

Sample projects include:

- Indonesia: MASARO – Meaning “Zero Waste Management,” MASARO includes multiple projects that both raise awareness of the plastic waste/marine litter issue and implement local solutions. The Indonesian plastics industry contributes to programs that help communities separate waste at home, segregate the collected waste, connect to high value plastic recycling markets, and convert lower value plastics to fuel, which removes garbage from the waste and litter streams.
- Singapore: Clear Shores, Clean Waters – The Singapore chemical industry takes a proactive approach to engage multiple stakeholders – including government agencies, members of public, students, and Non-Governmental Organizations – in enhancing awareness of the proper management of plastic waste. For example, the industry association engaged nearly 600 volunteers during a Coastal Cleanup event, removing more than 1,000 kilograms of trash from a beach, more than half of which was plastic.

## 2 Work with the scientific community and researchers to better understand and evaluate the scope, the origin, and impact of 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.

Sample projects include:

- Europe/Global: Plastics Flow Study – To determine the sources of plastic marine litter, six organizations in the plastics value chain commissioned a study to investigate the global flows of plastics, including the handling of post-consumer plastic waste. The study is designed to provide both the basis for additional future investigations and to help document progress in global waste management.
- USA: Coastal North Carolina Litter Survey – To help determine sources of marine litter, U.S. plastics makers commissioned a comprehensive study of litter throughout an unincorporated area of coastal North Carolina whose watershed leads to the Atlantic Ocean. The study evaluated the current solid waste infrastructure, conducted multiple litter surveys before and after the peak tourist season, and then developed recommendations for litter mitigation strategies.

# COMMITMENTS MADE UNDER THE GLOBAL DECLARATION

## 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.

Sample projects include:

- Philippines: Support for Ecological Solid Waste Management Act of 2000 – Multiple plastics industry leaders serve on local solid waste management boards to develop the mechanics for implementing policies that contribute to sustainability and effective solid waste management, in support of the mandate of the national waste management act. Industry representatives are endorsed by local government agencies in the National Capital Region and serve as representatives of the recycling, manufacturing, or packaging industry.
- USA: Save Our Seas Act – U.S. plastics associations have joined a large coalition advocating for a multi-pronged federal marine litter program. The Save Our Seas Act, passed in 2018, directed U.S. agencies to support global efforts to combat marine litter. To build on progress, plastics associations now are supporting the Save Our Seas 2.0 Act that would improve domestic recycling infrastructure through a state revolving loan fund, as well as support research into innovative uses for used plastics, among other provisions.





## 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.

Sample projects include:

- Ghana: TALK-PLAST/West Africa Plastic Waste and Marine Litter Conference 2019 – Sponsored by the Ghana plastics association and the World Plastics Council, the conference helped mobilize collective efforts to create best practice solutions to plastic waste management in the West African sub-region. The conference resulted in action plans and protocols for policymakers and the plastics value-chain to manage plastics at the source, preventing plastics from entering the natural environment.
- Global: Ocean Plastics Leadership Summit/Network – Plastics industry representatives joined a wide variety of organizations that advocate for a healthy ocean, focusing on eliminating plastic marine litter. Convened on a boat on the Sargasso Sea, the Summit was designed to showcase solutions, highlight new initiatives, and inspire partnerships. Following the summit, the Ocean Plastics Leadership Network was formed.

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

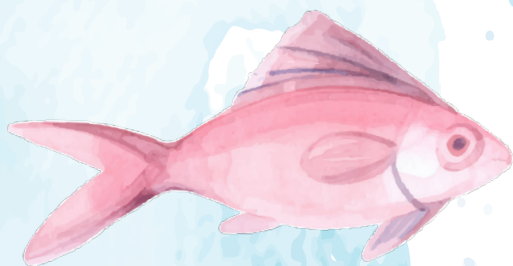
This work area is focused on *recycling and recovering plastics*. Capturing plastics for recycling and energy recovery keeps plastics out of the waste and litter streams, as well as saves valuable resources, conserves energy, and reduces greenhouse gas emissions.

Sample projects include:

- Germany: Agricultural Plastic Film Recycling – A subgroup of the German plastics association is spearheading an initiative to recycle 65 percent of all plastic film used in agricultural applications in Germany. Farmers and contractors collect the film (free from major soiling), and recycling companies process it into new plastic for multiple applications.
- India: Expansion of Successful Recycling in Indore – Several state plastics associations are helping build on a successful recycling initiative in the city of Indore by supporting expansion to other cities, including the collection and recycling of plastic waste. Instead of rotting in streets, Indore now converts nearly all of its waste into something useful, such as compost, fuel, fertilizer, roads, and recyclables.

## 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 that companies use to make products and packaging. 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.



# SPOTLIGHT PROJECT

Operation Clean Sweep<sup>®</sup>, an initiative launched in the USA that focuses on proper containment of plastic pellets by plastics makers and the plastics value chain, now licensed to associations in 36 countries and one continent.

## ***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, and 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 can contribute to malnutrition and starvation.

While everyone needs 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<sup>®</sup>***

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.

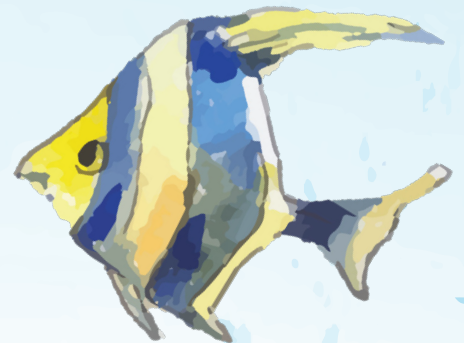
The goal: achieve zero pellet loss – which is both good for the environment and good for business. PLASTICS and the American Chemistry Council (ACC) later worked together to enhance Operation

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

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

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.

### Updates

- The Operation Clean Sweep initiative has been expanded to include additional forms of plastic resins: flakes, powders, and granules.
- OCS blue is a new member level that recognizes companies excelling within the existing program. OCS blue enhances the commitment to management, measurement, and reporting of unrecovered plastic releases into the environment from facilities that handle plastic resin.
- OCS blue companies must annually report the number and volume of incidents of any unrecovered release of plastic pellets, flakes, powders, or granules into the environment in amounts greater than 0.5 liters or 0.5 kilograms per incident.

More information can be found at [www.opcleansweep.org](http://www.opcleansweep.org) or [opcleansweep.eu](http://opcleansweep.eu).

## PROJECTS UNDERWAY - A SNAPSHOT

Plastics associations have planned or undertaken approximately 395 marine litter projects. This represents an increase of four times the number of projects since 2011 when the Global Declaration was announced.

As of April 2020, 80 associations from 43 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 early 2020. Projects added since the 4th Progress Report was published in 2018 are highlighted.

### ***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).

More detailed information on these projects is available at [www.marinelittersolutions.com](http://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.



## AFRICA

WORK AREA	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	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)

## AFRICA

WORK AREA	NAME/PROJECT	LOCATION
Research	Technical & Advisory Panel on Marine Debris – research assistance	South Africa, Africa (Plastics   SA)
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	Fishing Line Recovery and Recycling Programme – collection of discarded fishing line in 500+ plastic bins located at high density fishing areas	South Africa (Plastics   SA)
Best Practices	River Catchment Project – deployment of litter booms on four 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)
(NEW) Best Practices	TALKPLAST/West Africa Plastic Waste and Marine Litter Conference 2019 – conference to mobilize collective efforts to create best practice solutions to plastic waste management in the West African sub-region	Africa (GPMA, WPC)
Recycling/ Recovery	Packaging Industry Waste Management Plan – actions to increase recycling rates	South Africa (Plastics   SA)
(NEW) Recycling/ Recovery	Plastics Recycling Survey – annual review of sources of plastic raw materials and plastic recycling technologies, employment, and volumes	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 Spotlight Project)

## THE AMERICAS

WORK AREA	NAME/PROJECT	LOCATION
Education	America Recycles Day – promote increased plastics recycling	USA (ACC)
Education	Anti-litter calendar design contest (student focused)	Canada (CPIA)
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)
(NEW) Education	The Debris Free Fundy Program – support for marine science centre program on Bay of Fundy designed to reduce marine litter, including nautical rope recycling program	Canada (CPIA)
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 (ACC)
Education	How Will You... End Littering? – co-sponsored Keep America Beautiful's national video contest focused on ending litter	USA (ACC)
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)

## THE AMERICAS

WORK AREA	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	“Nosso 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)	USA (ACC)
(NEW) Education	Save the Bay – Sponsorship of initiative to reduce shoreline trash at its source to protect Narragansett Bay in Rhode Island	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	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)



## THE AMERICAS

WORK AREA	NAME/PROJECT	LOCATION
(NEW) Research	Additives study – Research study on migration of additives from commonly found plastic marine debris items.	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)
(NEW) Research	Coastal North Carolina Litter Survey – study of litter sources throughout watershed, plus development of mitigation strategies	USA (ACC)
Research	Fate of Plastics – Research to determine fate of plastics in marine environment, including formation of biofilms on plastics	USA (ACC)
(NEW) Research	Litter study in New Jersey – reviewed 94 water-related areas, analyzed correlation to land-based litter study findings	USA (ACC)
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	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	USA (ACC)
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	USA (ACC)
Research	Sustainability Benchmark Survey – gather data on sustainability practices, including recycling, of plastics companies	USA (PLASTICS)

## THE AMERICAS

WORK AREA	NAME/PROJECT	LOCATION
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	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)
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)
(NEW) Best Practices	American River Basin Regional Adopt-A-Creek Program – sponsorship/partnership to create replicable program to protect California watersheds	USA (ACC)

## THE AMERICAS

WORK AREA	NAME/PROJECT	LOCATION
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 commonly found plastic marine debris items.	Brazil (Plastivida)
(NEW) Best Practices	Feasibility study on Los Angeles River – reviewed options to improve trash capture (pursuing partnership to implement findings)	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 – 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)

## THE AMERICAS

WORK AREA	NAME/PROJECT	LOCATION
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 (ACC)
Recycling/ Recovery	Agricultural plastics recovery research	Canada (CPIA)
(NEW) Recycling/ Recovery	Asphalt-Recycled Film End Markets – research project to explore use of post-consumer polyethylene film in asphalt to reduce environmental impact and increase lifespan	USA (ACC, PLASTICS)
Recycling/ Recovery	Away from home recycling – support education/collection/recycling at outdoor sporting events	Canada (CPIA)
(NEW) Recycling/ Recovery	California K-12 Schools Recycling Challenge – sponsorship of competition involving 1,100+ schools and 850,000+ students	USA (ACC)
(NEW) Recycling/ Recovery	Cleveland Recycling Internship – sponsored intern to advance regional recycling and waste reduction	USA (ACC)
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)

## THE AMERICAS

WORK AREA	NAME/PROJECT	LOCATION
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)
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	USA (ACC)
(NEW) Recycling/ Recovery	Pacific Northwest Secondary Sorting Demonstration Project – secondary recycling initiative to determine what packaging can be recovered after initial separation at municipal recovery facility (MRF)	USA (ACC, PLASTICS)
Recycling/ Recovery	Plastic film collection and recycling directory – populated site with retail locations that collect plastic film wraps and bags	Canada (CPIA)

## THE AMERICAS

WORK AREA	NAME/PROJECT	LOCATION
(NEW) Recycling/ Recovery	Plastic film end markets – multiphase project to identify new end markets for polyethylene films to increase recycling	USA (ACC, PLASTICS)
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	Conversion of plastics-to-fuel technologies trials and support	USA (ACC, CPIA)
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)

## THE AMERICAS

WORK AREA	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	USA, Global (ACC)
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)
(NEW) Recycling/ Recovery	Recycling at Pine Knoll Shores Aquarium – installed outdoor recycling bins and messaging about preventing marine litter	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)

## THE AMERICAS

WORK AREA	NAME/PROJECT	LOCATION
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 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	North America (ACC, CPIA, PLASTICS)
Pellet Containment	Operation Clean Sweep – plastic pellet containment program	Global (see list of countries above under Spotlight Project)
Pellet Containment	Operation Clean Sweep Blue – newly created membership level to enhance participation	USA (ACC, PLASTICS)





## ARABIAN GULF

WORK AREA	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)
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), Russia, and Turkey (see Russia and Turkey projects below under Europe)*

WORK AREA	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)
(NEW) Education	Beach cleanup at Monkey Beach, Penang, including installation of waste bins	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)
(NEW) Education	Clear Shores, Clean Water – campaign to enhance awareness of proper management of plastic waste, including beach cleanup	Singapore (SCIC)

## ASIA

*Excluding Arabian Gulf (see Gulf projects above), Russia, and Turkey (see Russia and Turkey projects below under Europe)*

WORK AREA	NAME/PROJECT	LOCATION
(NEW) Education	Community Development Council outreach – sharing importance of proper management of plastic waste with public at Jurong Island, petrochemical hub of Singapore	Singapore (SCIC)
Education	Don't Be a Litterbug – anti-littering campaign	Malaysia (MPMA)
Education	Eco-Ranger Programme – educate students on waste management, including hands on workshop on waste treatment options (ExxonMobil sponsor)	Malaysia (MPMA)
Education	Education/collection campaign – focus on reducing marine litter effects of plastics at beaches and resorts	Myanmar (MPIA)
(NEW) Education	Education module – book and e-book on plastics and end of life management distributed to nearly 5 million students	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)
(NEW) Education	MASARO – Meaning “Zero Waste Management,” multiple projects that raise awareness of plastic waste/marine litter issue and implement local solutions	Indonesia (INAPLAS)
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)

## ASIA

*Excluding Arabian Gulf (see Gulf projects above), Russia, and Turkey (see Russia and Turkey projects below under Europe)*

WORK AREA	NAME/PROJECT	LOCATION
Education	Plastics Recyclables Collection Competition – involving 30 schools in Penang State	Malaysia (MPMA)
(NEW) Education	The PCG Be Green Campaign 2018 – educated students and teachers on the practice of 3Rs and plastics innovation	Malaysia (MPMA)
Education	River Ranger Programme – educate school children on marine environment with practical training and river water monitoring (Dow sponsor)	Malaysia (MPMA)
(NEW) Education	Recycling guidelines – develop instructions and implement plastics recycling suited to daily residential life	Vietnam (VPA)
(NEW) Education	School outreach program – educating students on importance of proper management of plastic waste	Singapore (SCIC)
(NEW) Education	Towards Zero Leakage to The Ocean – beach cleanup and recycling program at Pulau Ketam, plus installation of nets and booms to reduce marine litter	Malaysia (MPMA)
Education	Trash Heroes Myanmar – educate communities regarding trash collection and disposal	Myanmar (MPIA)
Education	Biodegradable compounds – develop formulations with bioplastics for various applications and processes	Thailand (FTI)
Education	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	Malaysia (MPMA)
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)

## ASIA

*Excluding Arabian Gulf (see Gulf projects above), Russia, and Turkey (see Russia and Turkey projects below under Europe)*

WORK AREA	NAME/PROJECT	LOCATION
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)
(NEW) Policy	Support for national sustainability policy – serve on local solid waste management boards to develop the mechanics for implementing Ecological Solid Waste Management Act of 2000.	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)
(NEW) Best Practices	Environmental Summit 2019 – annual Philippines private/public sector meeting to share best practices on environmental protection/waste management/recycling	Philippines (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)

## ASIA

*Excluding Arabian Gulf (see Gulf projects above), Russia, and Turkey (see Russia and Turkey projects below under Europe)*

WORK AREA	NAME/PROJECT	LOCATION
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
(NEW) Best Practices	National Search for Sustainable and Eco-Friendly Schools – participation in identifying best practices in environmental education and solid waste management in schools	Philippines (PPIA)
Best Practices	Partnership with government to develop waste collection practices to recycle polystyrene foam	Philippines (PPIA)
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)
(NEW) Recycling/ Recovery	Indore recycling expansion – building on successful recycling in Indore, supporting expansion to other cities, including collection and recycling of plastic waste	India (PlastIndia)
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-Networks – partnership that creates community-based supply chain for discarded plastic fishing nets for recycling	Philippines (PPIA)
Recycling/ Recovery	Partner with church-based organization to create hollow blocks and brick fillers from used plastic bags and polystyrene foam	Philippines (PPIA)

## ASIA

*Excluding Arabian Gulf (see Gulf projects above), Russia, and Turkey (see Russia and Turkey projects below under Europe)*

WORK AREA	NAME/PROJECT	LOCATION
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	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	Polystyrene Recovery Project – monthly collection of polystyrene for recycling into supplies for needy schools	Philippines (PPIA)
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 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 (PPIA)
(NEW) Recycling/ Recovery	Plastic Recovery Caravan – collection of plastic items for recycling as part of annual Season of Creation celebration	Philippines (PPIA)
(NEW) Recycling/ Recovery	Plastics Recycling Truck – mobile vehicle program to educate students/public on value of plastic recyclables and 3Rs	Malaysia (MPMA)
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)

## ASIA

*Excluding Arabian Gulf (see Gulf projects above), Russia, and Turkey (see Russia and Turkey projects below under Europe)*

WORK AREA	NAME/PROJECT	LOCATION
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 Spotlight Project)





## AUSTRALIA/NEW ZEALAND

WORK AREA	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)
Recycling/ Recovery	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)
(NEW) Best Practices	Wheelie-Bin Filter – inexpensive device to remove plastic pellets from beaches	New Zealand (Plastics New Zealand)
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 Spotlight Project)

## EUROPE

*Including Russia and Turkey*

WORK AREA	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	Bincentives – Campaign that uses incentives to help reduce littering in high schools and local areas	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	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)

## EUROPE

*Including Russia and Turkey*

WORK AREA	NAME/PROJECT	LOCATION
(NEW) Education	Clean up tour – Campaign with multiple organizations to remove waste from rivers and raise awareness of plastic waste in the environment.	Germany (IK)
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	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)
(NEW) Education	Gestes Propres – sponsorship of national campaign for litter prevention that promotes responsible behavior of all citizens and proper waste disposal	France (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)
Education	I Sail, I Sort – provide all boaters with reusable bag for collecting domestic waste at sea and returning to dock	France (ELIPSO, PlasticsEurope)

## EUROPE

*Including Russia and Turkey*

WORK AREA	NAME/PROJECT	LOCATION
Education	Jonge Baekeland youth competition organized by science/nature magazine	Belgium (Federplast)
Education	Land-sourced Litter – newsletter for German speaking countries/cleanups on beach	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)
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)

## EUROPE

*Including Russia and Turkey*

WORK AREA	NAME/PROJECT	LOCATION
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)
(NEW) Education	Plastics Shape of the Future – presentations/panel discussions at international plastics convention addressing marine litter causes and solutions	Germany (IK)
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, Essenscia, PlasticsEurope)
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)

## EUROPE

*Including Russia and Turkey*

WORK AREA	NAME/PROJECT	LOCATION
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)
(NEW) Education	Textbook – Interdisciplinary educational book on plastics sent free to schools, including significant section on marine litter	Germany (IK)
Education	To Clean Bulgaria In One Day – donate to national litter cleanup 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	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)

## EUROPE

*Including Russia and Turkey*

WORK AREA	NAME/PROJECT	LOCATION
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)
(NEW) Research	Scheldt River study – review of sources of plastics and remediation measure	Belgium (PlasticsEurope)
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)
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)

## EUROPE

*Including Russia and Turkey*

WORK AREA	NAME/PROJECT	LOCATION
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 (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)
Best Practices	Round Table Eco Design – Initiative of plastics packaging value chain to develop guidelines for the ecological design of plastic packaging	Germany (IK)



## EUROPE

*Including Russia and Turkey*

WORK AREA	NAME/PROJECT	LOCATION
Recycling/ Recovery	Agricultural film recycling – nationwide program to achieve goal of 65 percent recycling for agricultural plastic film by 2022	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)
(NEW) Recycling/ Recovery	LIFE EPS SURE – project to collect and recycle expanded polystyrene foam fish boxes in many European countries	Spain (Cicloplast)
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)

## EUROPE

*Including Russia and Turkey*

WORK AREA	NAME/PROJECT	LOCATION
(NEW) Recycling/ Recovery	Rigid Plastics Recycling Day -- annual collection of all rigid plastics for recycling from 21 communities	Finland (Muoviteollisuus ry)
Recycling/ Recovery	Road Map – Participation in developing strategic Road Map document aimed at developing plastics recycling industry in Russia	Russia (PCX)
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 Spotlight Project)
(NEW) Pellet Containment	Plastic pellet containment – intensive efforts for Antwerp hub (worksites, equipment, procedures, cleaning, auditing performances and outreach)	Belgium (essenscia, Plastics Europe)
Pellet Containment	Operation Clean Sweep – plastic pellet containment program	Germany (IK)
Pellet Containment	Responsible Care Practice Project “Zero Pellet Loss” - Germany	Germany VCI, PlasticsEurope)
Pellet Containment	Yksikään pelletti ei karaka – anti-litter effort through plastics supply chain	Finland (Muoviteollisuus ry)

## GLOBAL

WORK AREA	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)
(NEW) Research	Plastics Flow Study – study to investigate the global sources and flows of plastics, including post-consumer waste, to help document progress in global waste management	Global (WPC)
Pellet Containment	Operation Clean Sweep – plastic pellet containment program (USA program run by PLASTICS and ACC; associations in 36 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 Spotlight Project)



# COUNTRIES WITH GLOBAL DECLARATION SIGNATORIES AND PARTICIPATING ASSOCIATIONS

## ***Countries with Global Declaration Signatories (43)***

Argentina, Australia, Bangladesh, Belgium, Brazil, Bulgaria, Canada, , China, Columbia, Croatia, Czech Republic, Denmark, Finland, France, Germany, Ghana, Greece, Guinea, Hungary, India, Indonesia, Japan, Malaysia, Mexico, Myanmar, The Netherlands, New Zealand, Philippines, Portugal, Romania, Russia, Singapore, 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) (80)***

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. ANIQ, Asociacin Nacional de la Industria Quimica, Mexico City, Mexico
12. APIP, Associacao Portuguesa da Industria de Plasticos, Lisbon, Portugal
13. ASECONP, Asociación Española de Fabricantes de
14. ASEMUPLAST, Asociación de Empresarios del sector Plástico de la región de Murcia, Spain
15. ASEPUR, Asociación Española de empresas depolyuretano, Madrid, Spain
16. ASETUB, Asociación Española de fabricantes de tubos y accesoros plasticos, Madrid, Spain
17. ASOVEN, Asociación Ventanas pvc, Madrid, Spain
18. ASPAPLAST, Romanian Plastics Processor Employers' Association, Bucharest, Romania
19. BAP, Bulgarian Association Polymers, Sofia, Bulgaria
20. BPF, British Plastics Federation, London, United Kingdom
21. BPGMEA, Bangladesh Plastic Goods Manufacturers & Exporters Association, Dhaka, Bangladesh
22. CEP, Centro Español de Plásticos, Madrid, Spain
23. Chemistry Australia, Melbourne, Australia
24. Cicloplast, Madrid, Spain
25. CIRFS, European Man-Made Fibres Association, Brussels, Belgium

26. CPA, Comité Français des Plastiques en Agriculture, Levallois Perret, France
27. CPCIF, China Petroleum and Chemical Industry Federation, Beijing, China
28. CPIA, Canadian Plastics Industry Association, Mississauga, Canada
29. CPPIA, China Plastics Processing Industry Association, Beijing, China
30. CSRMA, China Synthetic Resin Marketing Association, Beijing, China
31. ECOPLAS Argentina SA, Buenos Aires, Argentina
32. Elipso, Les entreprises de l'emballage plastique et souple, Paris, France
33. EPS-IA, EPS Industry Alliance, Crofton, MD, USA
34. Essenscia, Belgium Federation for Chemistry, Plastics and Life Sciences, Brussels, Belgium
35. EuPC, European Plastics Converter Association, Brussels, Belgium
36. EuPC, European Plastics Converter Association, Brussels, Belgium
37. EUROMAP, European Plastics and Rubber Machinery, Frankfurt, Germany
38. FAMA, Asociación de Fabricantes de Artículos Monouso Reciclables, Madrid, Spain
39. Federation de La Plasturgie, French Association of Plastic Converters, Paris, France
40. Federplast, Belgian Federation of Plastics Producers and Rubber Products, Brussels, Belgium
41. FEGEDEG, Federation des Gestionnaires des Dechets de Guinee, Conakry, Guinea
42. Fetraplast, Federacion Espanola de Transformadores y Manipuladores de Plasticos, Madrid, Spain
43. FPA, Flexible Packaging Association, Annapolis, MD, USA
44. FPI, Foodservice Packaging Institute, Arlington, VA, USA
45. FTI, Federation of Thai Industries, Bangkok, Thailand
46. GPCA, Gulf Petrochemicals & Chemicals Association, Dubai, United Arab Emirates
47. GPMA, Ghana Plastics Manufacturers' Association, Accra-North, Ghana
48. HGK, Croatian Chamber of Economy, Zagreb, Croatia
49. IK Industrievereinigung Kunststoffverpackungen e.V, Bad Homburg V.D.H, Germany
50. INAPLAS, Indonesian Olefins, Aromatics and Plastics Industry Association, Jakarta, Indonesia
51. Instituto do PVC, Sao Paulo, Brazil
52. IPI, Indian Plastics Institute, Mumbai, India
53. PIF, The Japan Plastics Industry Federation, Tokyo, Japan
54. KPIA, Korea Petrochemical Industry Association, Seoul, South Korea
55. KVS, Kunststoff Verband Schweiz, Aarau, Switzerland
56. MMSZ, Association of Hungarian Plastics Industry, Budapest, Hungary
57. MPIA, Myanmar Plastics Industries Association, Yangon, Myanmar

## COUNTRIES WITH GLOBAL DECLARATION SIGNATORIES AND PARTICIPATING ASSOCIATIONS

58. MPMA, Malaysian Plastics Manufacturers Association, Selangor, Malaysia
59. Muoviteollisuus ry, Finnish Plastics Industries Federation, Helsinki, Finland
60. NRK, Dutch Rubber & Plastics Federation, Leidschendam, The Netherlands
61. OPPI, Organization of Plastics Processors of India, Mumbai, India
62. P&K, Plast och Kemiforetagen, Stockholm, Sweden
63. Packaging SA, Bryanston, South Africa
64. PAFA, Packing and Films Association, Nottingham, United Kingdom
65. PAGEV, Turkish Plastics Manufacturers Research, Development & Educational Foundation, Istanbul, Turkey
66. PlasticsEurope, European Association of Plastics Manufacturers, Brussels, Belgium
67. Plastics New Zealand, Manukau City, New Zealand
68. Plastics|SA, Gauteng, South Africa
69. PLASTICS, The Plastics Industry Trade Association, Washington, D.C., USA
70. Plastindia Foundation, Mumbai, India
71. Plastindustrien, Danish Plastics Federation, Copenhagen, Denmark
72. Plastivida, Instituto Sócio-Ambiental dos Plásticos, Sao Paulo, Brazil
73. PPIA, Philippine Plastics Industry Association, Caloocan City, Philippines
74. PWMI, Plastic Waste Management Institute, Tokyo, Japan
75. Russian Chemists Union, Moscow, Russia
76. SCIC, Singapore Chemistry Industry Council, Singapore
77. SPPCR, Association of Plastics Industry of the Czech Republic, Prague, Czech Republic
78. VPA, Vietnamese Plastics Association, Ho Chi Minh, Vietnam
79. WPC – World Plastics Council, an organization of executives in the plastics industry engaged in global issues
80. WVK, Wirtschaftsvereinigung Kunststoff, Bad Homburg, Germany







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