



Seminario Protección Medio Marino Problemática de las Basuras Marinas

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1. ¿QUÉ ES CLIA?
2. PRESENTE DE LA INDUSTRIA
3. LA FLOTA
4. IMPACTO ECONÓMICO

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CLIA



La Asociación Internacional de Líneas de Cruceros (CLIA)

Es la principal autoridad y voz de la comunidad global de cruceros. La misión de CLIA es apoyar las políticas y prácticas que fomenten un entorno seguro y sostenible para los millones de pasajeros que viajan en este medio anualmente, así como promover la experiencia de viajar en crucero.

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Comunidad CLIA

50+ Líneas de Crucero

Marítimas, fluviales y especializadas que representan más del 95% de la capacidad global

340+ Executive Partners

Proveedores clave y socios de líneas de cruceros, incluidos puertos y destinos y desarrollo de buques, proveedores y servicios empresariales



15.000 Agencias de Viajes

Incluye las mayores agencias, franquicias y consorcios.



25.000 Agentes de Viajes alrededor del mundo



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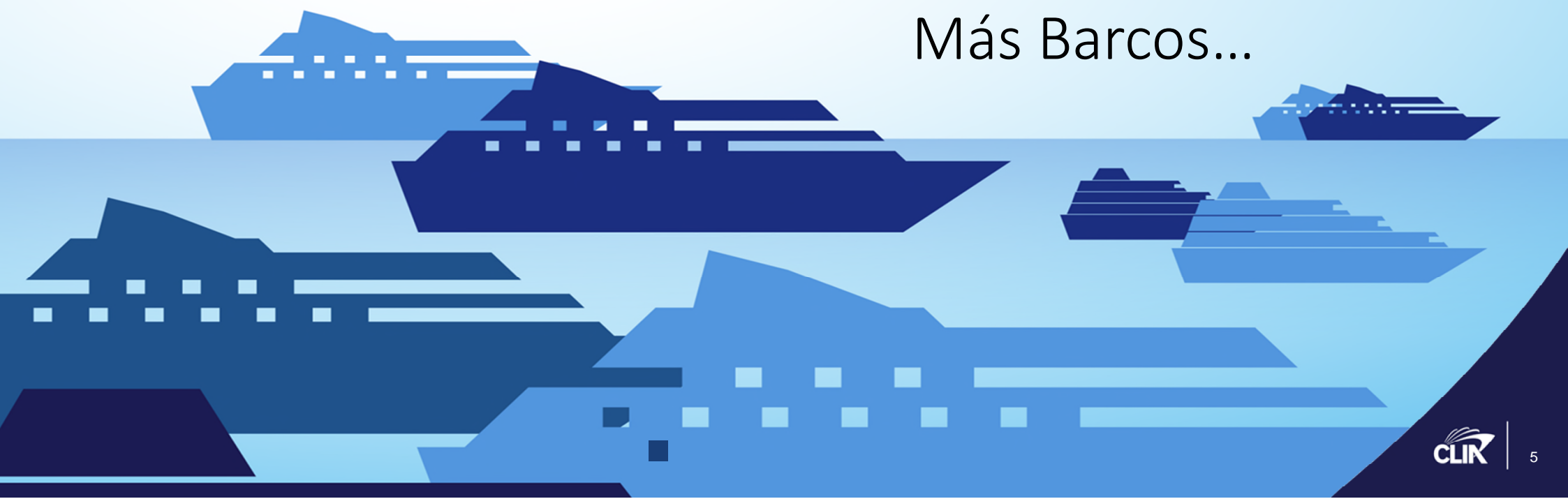
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Proyección de buques de
crucero de CLIA en operación
en 2019

18

Nuevos transatlánticos de
CLIA programados para
debutar en 2019

Más Barcos...



26.7
Millones

1.108,676
Empleos

45.6
Mil Millones \$

134 Mil Millones \$

2017 Impacto Económico Global

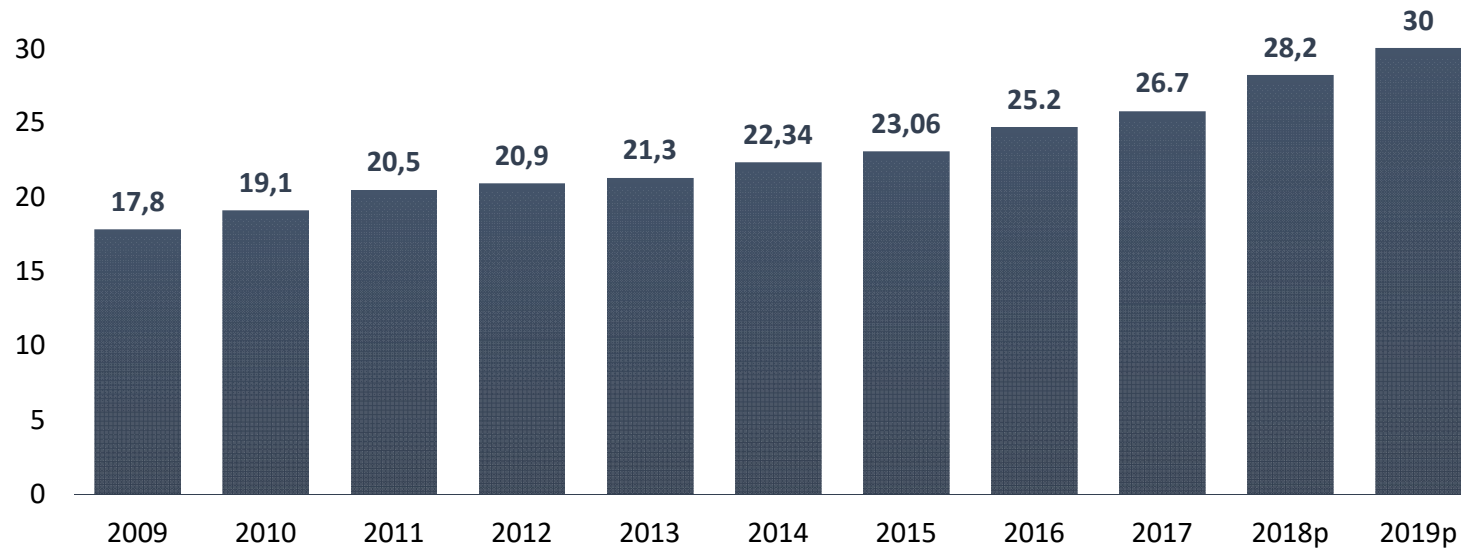
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Previsión 2019 - Capacidad en Pasajeros

- 2019 = 30 Millones de Cruceristas previstos

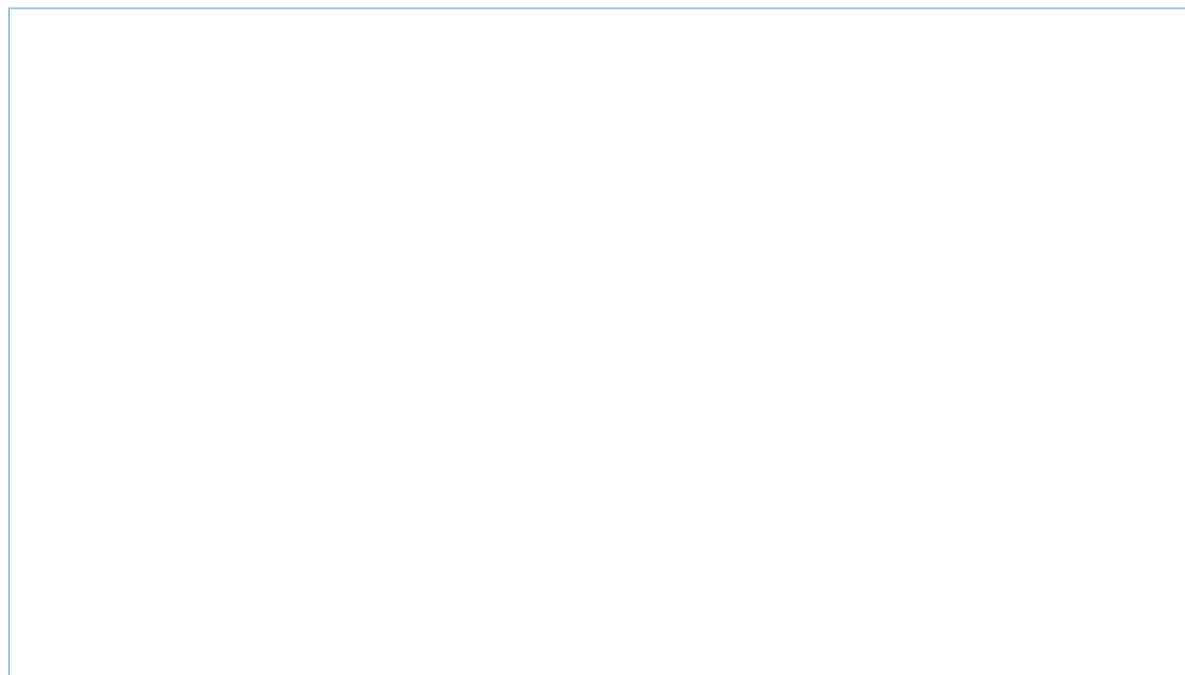
CLIA Global Ocean Cruise Passengers (In Millions)



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Video Sostenibilidad CLIA



Percent of Share
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Problemática de las Basuras Marinas

Casos Prácticos: Costa, MSC Cruises, RCC

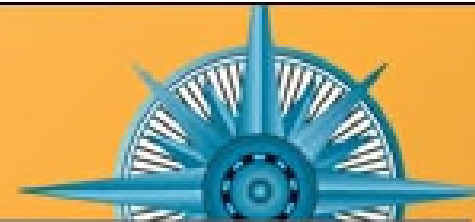
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Simplified Overview of Discharge Provisions

MARPOL ANNEX V

2012 Edition (Effective January 1, 2013)



Type of Garbage	Ships Outside Special Areas	Ships Within Special Areas	Offshore Platforms <small>and all ships within 500 meters of such platforms</small>
Food waste comminuted or ground	Discharge permitted \geq 3 nautical miles from the nearest land and en route	Discharge permitted \geq 12 nautical miles from the nearest land and en route	Discharge permitted \geq 12 nautical miles from the nearest land
Food waste <i>NOT</i> comminuted or ground	Discharge permitted \geq 12 nautical miles from the nearest land and en route	Discharge prohibited	Discharge prohibited
Cargo residues contained in wash water and not harmful to the marine environment	Discharge permitted \geq 12 nautical miles from the nearest land and en route	Discharge only permitted in specific circumstances and \geq 12 nautical miles from the nearest land and en route (See Annex V § 1.2)	Discharge prohibited
Cargo residues <i>NOT</i> contained in wash water and not harmful to the marine environment		Discharge prohibited	
Cleaning agents and additives contained in cargo hold wash water and not harmful to the marine environment	Discharge permitted	Discharge only permitted in specific circumstances and \geq 12 nautical miles from the nearest land and en route (See Annex V § 1.2)	Discharge prohibited
Cleaning agents and additives contained in deck and external surfaces wash water and not harmful to the marine environment		Discharge permitted	
Carcasses of animals carried onboard as cargo and which died during the voyage	Discharge permitted as far from the nearest land as possible and en route	Discharge prohibited	Discharge prohibited
All other garbage including plastics, domestic wastes, cooking oil, incinerator ashes, operational wastes and fishing gear	Discharge prohibited	Discharge prohibited	Discharge prohibited
Mixed garbage	When garbage is mixed with or contaminated by other substances prohibited from discharge or having different discharge requirements, the more stringent requirements shall apply.		

Discharge of any type of garbage must be entered in the Garbage Record Book.
For more detailed guidance please consult the 2012 Guidelines for the Implementation of MARPOL Annex V.

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**EFFECTIVE
MANAGEMENT
OF WASTE WITHIN
A CLOSED SYSTEM**



REDUCTION

GREATER **EFFICIENCY** AND RESPONSIBLE CONSUMPTION IN THE PRODUCTION PROCESSES (HOTEL AREA, RESTAURANTS, BARS, ETC.).

REDUCTION IN PACKAGING (ON BOARD AND IN THE SUPPLY CHAIN).

RAISING AWARENESS OF GUESTS AND CREW WITH REGARD TO RESPONSIBLE CONSUMPTION OF FOOD AND WATER.



SEPARATE COLLECTION AND PROCESSING OF WASTE STREAMS

SEPARATE COLLECTION OF WASTE STREAMS TAKES PLACE ON COSTA'S SHIPS FLEETWIDE ACCORDING TO A PROCESS OF CATEGORIZATION. MAXIMIZATION OF THE AMOUNT OF WASTE SENT FOR RECYCLING.

SEPARATE BINS WITH COLLECTION POINTS THROUGHOUT THE SHIP. GUESTS AND CREW ARE ENCOURAGED TO PLAY AN ACTIVE **PART IN HELPING TO RECYCLE WASTE PROPERLY.**

GRINDING (ORGANIC MATERIAL).

COMPACTING (PLASTIC, GLASS, METAL, ALUMINUM).

INCINERATION (DOMESTIC WASTE AND OILY RAGS).



DISPOSAL

DISPOSAL TO SHORE RECEPTION FACILITIES.

SELECTION OF PORTS WITH SUITABLE **FACILITIES FOR RECYCLING** THE MATERIALS DISCHARGED FROM SHIPS.

ESTABLISHMENT OF **PARTNERSHIPS** WITH CONSORTIUMS FOR DISPOSAL OF MATERIAL (ALUMINUM).



RECYCLING (WHERE POSSIBLE)

TEMPORARY STORAGE IN PORT FACILITIES OF MATERIAL INTENDED FOR RECYCLING.

JOINT EFFORTS WITH PORTS OF CALL AND ESTABLISHMENT OF **PARTNERSHIPS WITH LOCAL ORGANIZATIONS AND CONSORTIUMS.**



REUSE ON BOARD

STORAGE CONTAINERS (E.G. METAL DRUMS, CONTAINERS FOR TRANSPORT OF DANGEROUS GOODS, JUTE BAGS).



RECOVERY

DONATION TO LOCAL ASSOCIATIONS OF GOODS AND MATERIALS THAT ARE REPLACED ON BOARD BUT STILL USABLE. **LENGTHENING OF PRODUCT LIFE CYCLES** WITH BENEFITS FOR THE COMMUNITY.

PARTNERSHIP FOR DONATION OF **SURPLUS FOOD** ON BOARD TO CHARITIES IN THE PORTS OF CALL.

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Ejemplo COSTA



SHIPBOARD WASTE CATEGORIES (MARPOL)

Marpol category	Type of waste	Method of disposal
A - Plastic	Plastic materials.	Collected on board in separate containers, subsequently treated in compactors to reduce volume and then discharged at port reception facilities.
B - Food	Food wastes (fruit, vegetables, dairy products, meat products and fish etc).	Collected on board separately and treated in the pulper for processing in compliance with overboard discharge requirements (distance from the coast: 3 nautical miles and 12 nautical miles inside IMO-defined special areas). Alternatively, discharged at suitable port reception facilities.
C - Domestic wastes	Material generated in the accommodation spaces on board the ship, except for gray water.	Separation at source of: paper, glass, crockery, metal and aluminum. Specific waste reduction treatment for each particular type: pulping, crushing and/or compacting, incineration (including aerosol cans) and discharge at port reception facilities.
D - Cooking oil	Any type of edible oil or animal fat used or intended to be used for the preparation or cooking of food.	Collected on board separately and discharged at port reception facilities.
E - Incinerator ashes	Ash and clinkers resulting from shipboard incinerators used for the incineration of garbage, except for plastic products which may contain toxic or heavy metal residues.	Collected on board separately and discharged at port reception facilities.
F - Operational	All hazardous and non-hazardous solid wastes not covered by the previous categories. This includes slurries, materials used for normal maintenance, cargo stowage and handling, as well as cleaning agents and additives.	Collected on board separately based on type, classification and assigned European Waste Code (EWC), then discharged at port reception facilities. This does not include potentially infectious waste from the medical infirmaries on board or oily rags used.

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Ejemplo MSC Cruises



- General
 - Octubre 2018 anunció compromiso para eliminar plásticos uso único. 115 items identificados
 - Primer paso: pajitas no biodegradables eliminadas en 2018
 - 90% del los items han sido substituidos
- Cambios para los huéspedes
 - Sólo se substituyó si existía alternativa viable y de calidad
 - Ninguna queja
 - Pajitas, cubertería, tazas, etc
 - Packaging individuales (yogures, mantequilla, mermelada, etc)
 - En marcha: bolsas de las tiendas, delantales, guantes cocina, etc
 - Buscando alternativa para menos de una docena de productos

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Ejemplo MSC Cruises



- Proveedores
 - 3200 proveedores notificados. 85% conscientes del cambio. 5' % colaborando activamente
 - Excelente respuesta.
 - Eliminación embalajes.
 - Ecolab. Solicitado detergente de más alta concentración. Respuesta, sólido
- Formación de la tripulación. MARPOL Anexo V

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Ejemplo MSC Cruises



Video Tratamiento y Reciclaje de Residuos Sólidos a Bordo de un barco de cruceros – MSC Seaview



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Ejemplo Royal Caribbean



- Modernos centros de reciclado y reutilización a bordo
- Objetivo es “Cero al vertedero”. Actualmente, 0.5 libra persona

75% of the waste landed from our ships never sees a landfill. But we didn't stop there. We've set a new 2020 goal to reduce waste-to-landfill by 85% per passenger per day from our 2007 baseline. This goal will get us even closer to achieving zero waste. To turn this goal into a reality and overcome infrastructure challenges in local markets, we plan to establish “Green Loading” hubs in all North American and Northern European itineraries as well as five additional markets. As part of this process, we also will be working with the hubs to obtain third-party zero waste certifications.

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¡GRACIAS!

