



Circulação de navios de Cruzeiro Sustentavel

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Europa





A Nossa Visão

A nossa visão é que o sector dos cruzeiros seja reconhecido como líder em viagens responsáveis e entendido como a melhor forma de viajar o mundo de modo sustentável.

CLIA – A Nossa Comunidade de Cruzeiros



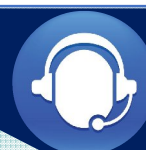
53
Companhias de
Cruzeiro



300
Parceiros
Executivos



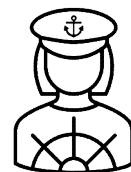
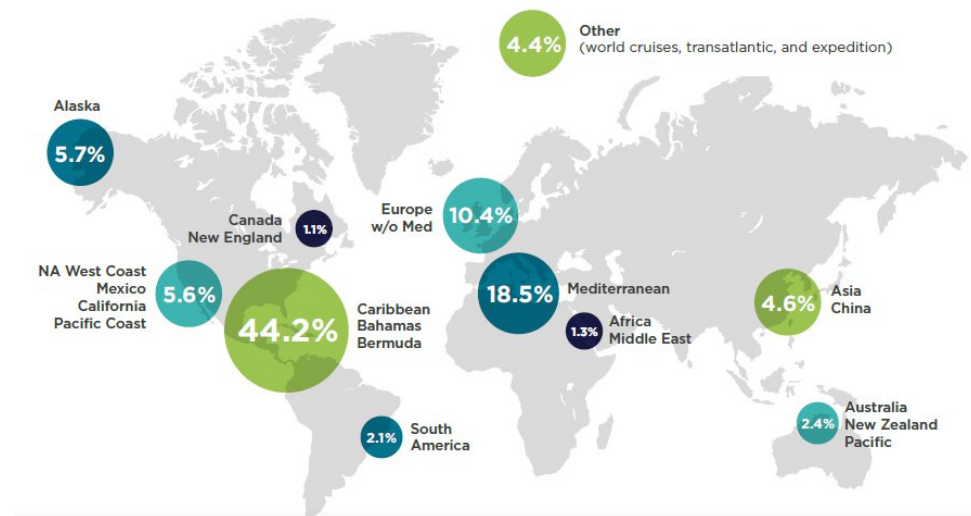
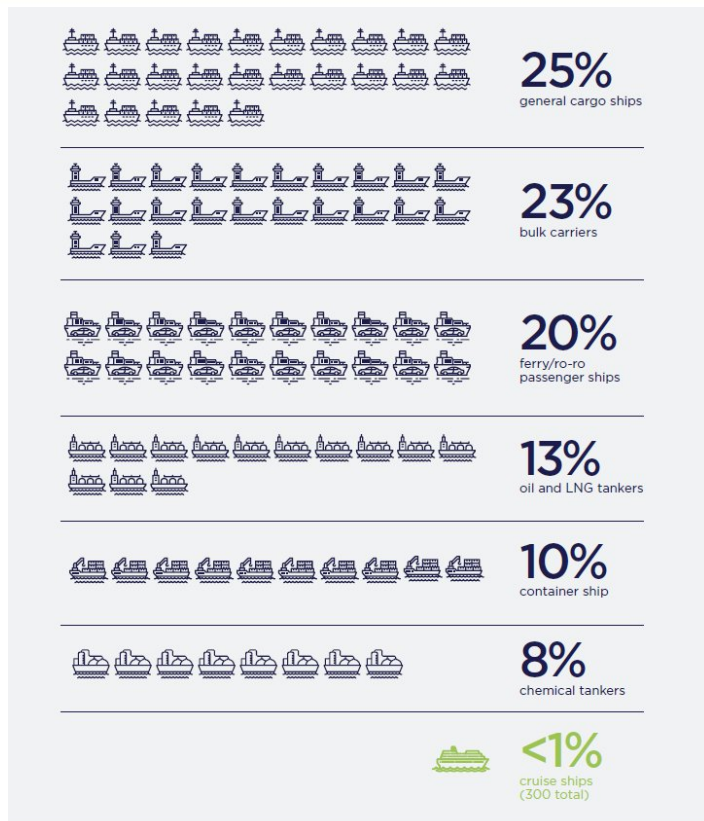
15,000
Agências de
Viagem



75,000
Agentes de
Viagem



A Indústria dos Cruzeiros



225 000 navegadores - 1/3 dos navegadores a nível mundial
 94% das mulheres que trabalham no sector marítimo trabalham no sector dos cruzeiros

Forte Impacto Económico em Portugal e na Europa



22 milhões de passageiros na Europa /
cerca de 130 000 passageiros em
Portugal



40 mil milhões de euros de investimento
no sector da construção naval na Europa
/ 121 milhões de euros em Portugal

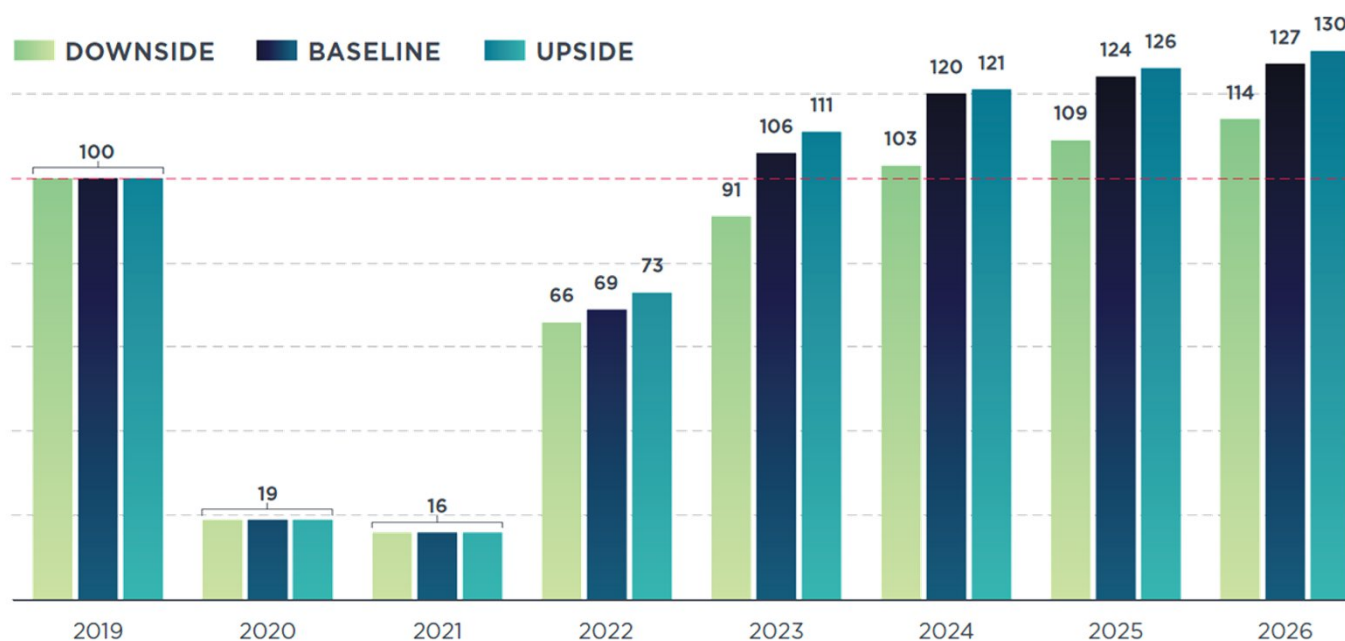


400 000 empregos diretos e indiretos na
Europa / 7900 empregos diretos em
Portugal



350 portos e destinos na Europa / cerca
de 12 portos em Portugal

Um dos Setores Turísticos Mais Dinâmicos



Prevê-se que o turismo de cruzeiros atinja 106% dos níveis apresentados em 2019 em 2023 - com 31,5 milhões de passageiros a navegar - e que cresça para quase 40 milhões de passageiros em 2027.

Estes valores comparam-se aos da previsão da OMT de que as chegadas de turistas internacionais serão de 80% a 95% dos níveis de 2019.

Tornar os cruzeiros a melhor forma de descobrir o mundo de forma sustentável



Compromissos que a CLIA e as suas companhias de Cruzeiro associadas assumiram com vista a um futuro sustentável



Prosseguir a realização de Cruzeiros de navegação marítima a zero emissões a nível mundial até 2050



Apoiar o apelo para a descarbonização do transporte marítimo



Equipar todos os navios para se ligarem à eletricidade da costa*

*O mais tardar em 2035 - com todos os navios ligados a instalações de eletricidade em terra nos portos, quando disponíveis.

Três pilares de ação para um circulação de cruzeiros sustentável



Reducing the carbon footprint of ships while at berth and at sea



Investing in advanced environmental technologies onboard



Partnering with cities and ports on sustainable destination management

Reduzir as Emissões dos Navios



Ligação
Elétrica à
Costa



Combustíveis
Marinhos
Sustentáveis



Medidas
Operacionais



Inovações
Tecnológicas



Soluções inovadoras já estão a ter um Impacto Positivo



Atualmente, a frota dos membros da CLIA Ocean-going inclui :



15

Embarcações marítimas da CLIA movidas a GNL atualmente

Mais 13 navios encomendados



4

Navios que navegam atualmente e que utilizam biocombustível renovável como fonte de energia

7 navios a metanol encomendados



14.1

Idade média dos navios da frota marítima da CLIA

4 anos mais novos do que a média dos navios de cruzeiro que navegam



171

Navios membros da CLIA utilizam sistemas de controlo da eficiência

60% da frota mundial, com muito mais sistemas planeados



46%

da capacidade global da CLIA pode ligar-se à eletricidade da costa

+48% desde 2022

Tecnologias Ambientais a Bordo



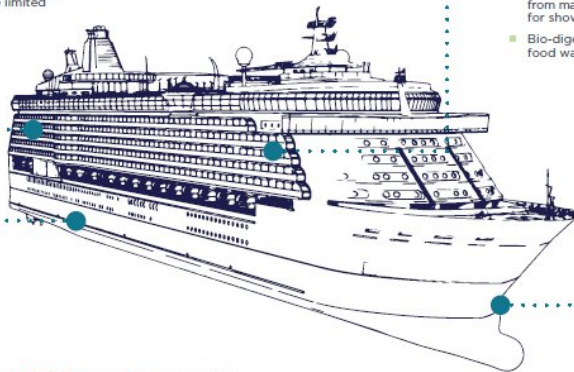
Up to 90% of fresh water produced onboard

Through state-of-the-art systems and practices, cruise lines are able to conserve and repurpose onboard rather than drawing from areas where resources are limited



Some ships repurpose 100% of waste

- Programs supporting land-free ship operations
- Surplus heat transferred from machinery to heat water for showers and pools
- Bio-digesters reduce food waste



100% of new ships specified for Advanced Wastewater Treatment Systems

- Advanced wastewater treatment systems (AWTS) rival land-based facilities
- 78% of CLIA-member ships sailing fitted with AWTS

Cruise lines have dedicated programs and systems designed to protect marine life

- Members agree to avoid or voluntarily reduce vessel speed in sensitive areas
- Underwater noise and vibration reduction systems



O turismo de cruzeiros é um turismo gerido e investido para fazer parte da solução.



Os horários de chegada e partida dos navios são estabelecidos antecipadamente com os portos, e a maioria dos passageiros participa em excursões em terra organizadas pelas companhias de cruzeiro com fornecedores locais, permitindo aos destinos planear os fluxos turísticos.



As iniciativas de turismo colaborativo e responsável lideradas pela indústria de cruzeiros, destinos, portos e outras organizações estão a ajudar a aumentar o reconhecimento dos viajantes em relação aos cruzeiros como uma opção de viagem responsável.

Diálogo com Destinos



- A CLIA e as companhias de cruzeiro colaboram com os portos de cruzeiro e destinos para maximizar os benefícios para as comunidades.
- Os exemplos incluem Kotor, Corfu e Heraklion, onde a CLIA estabeleceu parcerias com as autoridades locais para financiar avaliações de gestão do turismo efetuadas pelo Conselho Mundial de Turismo Sustentável (Global Sustainable Tourism Council - GSTC).
- Memorando de entendimento de longa data com Dubrovnik que apoia as avaliações GSTC e a campanha "Respeitar a cidade".
- Projetos como estes fornecem um quadro para a futura gestão do turismo.

Estamos a ver o sector dos cruzeiros a agir de forma muito mais proactiva, colaborando com os gestores portuários para gerir melhor os fluxos de visitantes".

Randy Durband, Diretor
Executivo do Conselho Mundial de Turismo Sustentável



Toolkit sustentável da CLIA



Um novo recurso online e multilingue com relatórios, estatísticas, infografias, vídeos, estudos de caso...

INVESTING IN NEW FUELS

Cruise lines are investing in research and development to develop new fuel sources with low emissions, improve efficiency, and reduce greenhouse gas emissions.

PAVING THE WAY WITH LOWER CARBON FUELS

By 2025, more than half of the new capacity of the global cruise fleet will be powered by the most advanced fuel technologies available, including low-carbon and carbon-free fuels.

ACTING NOW FOR FUTURE-PROOFED SHIPS

Engines and fuel systems are being designed to run on a variety of fuels, including low-carbon and carbon-free fuels, to ensure ships can adapt to future fuel sources.

EXPLORING HYBRID SOLUTIONS

Research projects are being done on hybrid systems, such as LNG-hybrid powered ships, or full-scale and battery for further emission reductions.

PROTECTING OUR OCEANS

Cruise lines are investing in technologies to prevent ocean pollution. For instance, innovative recycling systems help separate trash from land-based waste in the ocean. Cruise lines have implemented these projects with NGOs to protect marine wildlife and coastal ecosystems.

OUR VISION IS NET ZERO CARBON RISING BY 2050 AND CHANGES ARE HAPPENING NOW

Sustainable trading involves three pillars of action:

SAVING ENERGY WITH INNOVATION

Strategic use of shore power and other innovative technologies to improve the sustainability of their products. Cruise lines are investing in projects with local communities and securing their products.

REDUCING FUEL CONSUMPTION

Use of AI optimization systems to help fuel engines to reduce fuel and fuel consumption.

FACILITATING TOURISM FLOWS

CLIA and its members work with city leaders to implement innovative solutions to manage tourism flows such as on-site app technology and opening new water routes.

PARTNERING WITH CITIES AND PORTS

The industry works with cities and ports to develop action plans to address sustainable tourism. CLIA is supporting 100+ initiatives in a Global Sustainable Tourism Council assessment, which supports the industry's commitment to sustainable tourism practices.

INVESTING IN COMMUNITIES

The industry is working with local tourism authorities to improve the sustainability of their products. Cruise lines are investing in projects with local communities and securing their products.

PURIFYING WASTEWATER

Advanced wastewater purification systems are being installed on the latest vessels. 100% of shore power on order are equipped to treat wastewater and other pollutants.

APPLYING STRICT REGULATIONS

Every cruise ship receives multiple inspections each year from various flag states and countries where they are registered to ensure compliance of strict environmental and safety regulations.

2023 FAST FACTS

CLIA MEMBERSHIP

- 51 Member Cruise Lines
- 42 Cruise Members
- 100+ Cruise Lines
- 100+ Cruise Lines
- 47,000 Travel Agent Members
- 12,000 Travel Agency Members
- 280 Executive Partners

Source Passenger Regions 2023 (Millions)

4,264 in 2023 (+15.2% from 2022)

Region	2023	2022	% Change
North America	1,720,283	1,610,000	+6.8%
Europe	1,120,000	1,050,000	+6.7%
Asia	1,100,000	1,000,000	+10.0%
South America	1,000,000	950,000	+5.3%
Australia/Pacific	1,000,000	950,000	+5.3%

Planned Deployment of Global Capacity in 2023

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Australia/Pacific	1,000,000	950,000	+5.3%

Top 10 Ports Visited Per Year*

Port	Ship	Visits	Total
Miami	2,524,900	42,860	2,567,760
Port of Galveston	2,074,340	282,700	2,357,040
San Juan	2,180,000	3,000,000	5,180,000
Port Everglades	1,752,340	10,100	1,762,440
Honolulu	900	3,371,700	3,372,600
Singapore	1,622,700	10,000	1,632,700
Buenos Aires	661,680	1,276,000	1,937,680
Costa Rica	194,660	1,276,000	1,470,660
San Juan	993,970	238,000	1,231,970

2023 Environmental Technologies & Practices

- 28% Pursuing Net Zero Carbon Emissions by 2050
- 79% Of ocean-going fleet capacity using emission gas cleaning systems
- 85% Ships in orderbook to be shore-side electricity equipped
- 100% Ships in orderbook to use carbon and water treatment system
- 79% Of ocean-going fleet capacity using advanced wastewater treatment system

81% of cruisers will cruise again

47% of non-cruisers are open to cruising

CONNECTING TO SHORESIDE ELECTRICITY

Plugging into shore-side electricity enables ship engines to be switched off and reduces emissions while the ship is in port.

40% of the global cruise fleet by capacity has been equipped to connect to shore-side electricity.

FUEL CELLS

Fuel cells can help to power auxiliary power systems without generating greenhouse gas when hydrogen is used as fuel source.

Fuel cells can be powered by various fuels such as methanol, ethanol, natural gas, biogas, or hydrogen derived fuels, all of which reduce greenhouse gas emissions.

NEW SUSTAINABLE MARINE FUELS

Cruise lines are investing in development of sustainable marine fuels. These include advanced bio-fuels, bio-methanol and synthetic fuels.

Advanced biofuels are fuels that are made using non-food biomass (such as wood chips and agricultural waste). Bio-fuels, like e-methanol and e-methane, are all fuels in gas or liquid form that are produced from renewable power or wind power. For example, on decarbonized electricity. This new material differentiates them from biofuels, which are primarily produced from biomass. The carbon content can be taken from different sources (biomass, industry, or direct air capture) but such that they remain net zero or a lifecycle approach.

BATTERY TECHNOLOGY

Battery technology can help in powering engines and fuel cell systems, and will play a key role in the period of zero emissions use.

More than **15%** of cruise ships to be delivered in the next five years will be equipped to incorporate fuel cells or batteries.

USING DIGITAL TECHNOLOGY TO BE MORE ENERGY EFFICIENT

From tracking the energy use of appliances in a ship's galley to routing that optimally, digital technologies offer energy-saving tools.

Each New class of ship that is launched is around **20%** more efficient than the last.

GENERATING ECONOMIC BENEFITS FOR CRUISE DESTINATIONS

Cruise tourism brings economic and social benefits to communities and creates jobs for some of the more remote coastal and inland regions.

On average a cruise line spends **€660** in port fees during a seven-day cruise.

SAFEGUARDING OCEAN HABITATS

Every cruise ship includes multiple inspections each year - announced and unannounced - to ensure implementation of the most advanced environmental and safety regulations.

Cruise lines are required to implement thousands of requirements set by the IMO, ILO, national maritime and other relevant authorities.

MANAGING FUEL CONSUMPTION

AI optimization systems create microscopes bubbles to reduce drag as they move through water and help to reduce fuel consumption, reduce fuel costs and reduce carbon and therefore fuel consumption.

20% of cruise ships are equipped with AI optimization systems to reduce fuel consumption.

SAFEGUARDING OCEAN HABITATS

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A CIRCULAR ECONOMY ONBOARD

Cruise lines use sophisticated processes to remove, reuse, recycle and convert waste to energy.

100% of waste generated onboard is reused or converted to energy.

SUSTAINABLE WASTEWATER MANAGEMENT

Advanced wastewater treatment systems are being installed on the latest vessels. 100% of new ships on order are scheduled to have advanced wastewater treatment systems.

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visite www.cruiseinfohub.com



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