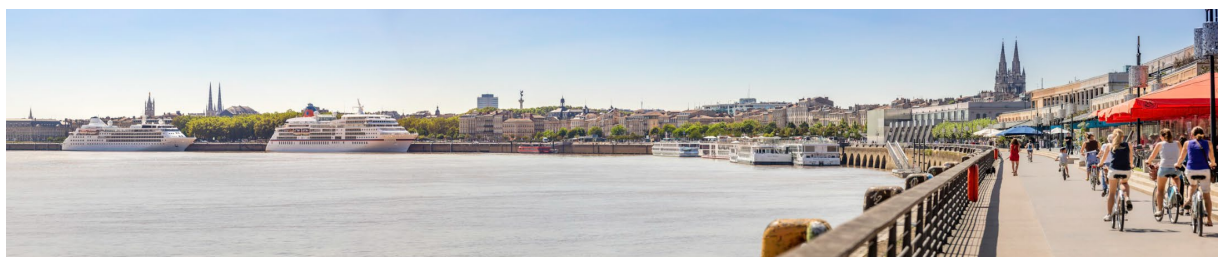


Cruise environmental charter 2022: commitments for sustainable calls at Bordeaux citycentre berths facilities



CREDIT C. Bouthe for Cruise Bordeaux



The port facilities located on the left bank of the Garonne in Bordeaux attract each year between 40 and 50 cruise ships, with a capacity of 80 to 950 passengers, for calls lasting between 1 and 2 days.

The City of Bordeaux, Bordeaux Métropole, Bordeaux Pilots and the Bordeaux Port Authority, with the support of the stakeholders of the cruise community federated within «Cruise Bordeaux» association, are committed to preserving the estuary of the Gironde and its ecosystem, as well as the stretch of the Garonne River in the heart of the city

They support a sustainable responsible cruise activity that participates in the economic development of the city along with the Gironde and Aquitaine territory.

In order to preserve the «Bordeaux – Port de la lune » destination, the City of Bordeaux, Bordeaux Métropole, Bordeaux Pilots and the Port of Bordeaux wish to federate the cruise companies taking part in this development, by involving operators in a virtuous ecological approach, through the implementation of strong environmental measures.

Within the framework of its environmental policy, the Bordeaux Port Authority has implemented a proactive and incentive approach regarding the ships, which goes beyond the environmental regulatory recommendations, by adhering to the ESI - Environmental Ship Index - system and by granting rebates on the port dues for the vessels concerned.

By signing this charter, the cruise companies undertake, along side the City, the Metropolis, the Pilots and Bordeaux Port Authority to implement this proactive approach, which aims to minimize the impact of ports of call on the environment and residents' quality of life.

They reinforce and develop the good practices already in progress, and undertake, while upholding this charter, to adopt complementary measures to further minimise their impact .

Signatory cruise companies commit to providing their CSR charters with local authorities.



Commitment number 1: a global environmental approach for cruise calls



Objective number 1: reduction of air polluting emissions

The ATMO (Regional observatory for air quality, certified by the French Ministry of Environment) air quality study, conducted in Bordeaux at the peak of the 2018 cruise season, **found no exceedances of the legal thresholds on any of the pollutants or particles studied**. The recorded values remained well below the thresholds, including in the simultaneous presence of two docked cruise ships. However, in order to further minimize their impact, the signatories undertake to:

- **Use 0.1% sulphur fuel upon entry into the compulsory pilotage area and throughout the call**. By way of information, the MARPOL Annex 6 regulations require the use of 0.5% sulphur fuel in navigation conditions and only 0.1 % sulphur fuel when the ship is docked. The signatories therefore undertake to go beyond the standards in force.
- **Encourage calls in Bordeaux for ships with LNG (Liquefied Natural Gas) propulsion or equipped with emission filtration (catalytic converters or closed-loop scrubbers) pollution control systems**.
- **Supply the harbour office with information on the quality of the fuels used for entry into and exit from the port and the devices meant for the reduction of polluting emissions, when they are so equipped**. This declaration will be mandatory when booking a call in Bordeaux.
- **Use the river barge waste collection service set up by the mooring company and comply with the strict ban on on-board waste incineration**.

Furthermore, Bordeaux Métropole has requested ATMO to carry out a new study on the air quality in 2022 for a period of one year.

Finally, on 1st January 2023, the Port of Bordeaux will apply the terms of Marpol Annex 6 relating to the EEXI (Energy Efficiency Index for Ships In Service) aiming at reducing CO2 emissions of ships.



Objective number 2: eliminate pollutant discharges into the estuary

Cruise ships sailing in the estuary and docked at Bordeaux undertake to respect the following:

- **Zero discharge of waste water (greywater) including treated waste water**, except when connected to the dock waste water network of Bordeaux Métropole, and paying the fee provided for in this regard.
- **Zero discharge of water from the flue gas cleaning system**.
- **It is strictly prohibited to wash the hull and carry out external works on the ship during the port calls**



Objective number 3: implement a global environmental approach

Cruise ships sailing in the estuary and docked at Bordeaux undertake to:

- Preferably consider **coach companies and incoming agencies** engaged in an environmental protection program.
- **Giving preference to «Euro6» bus excursions** and, when possible, hybrid or gas-powered buses or

vehicles as they become available.

- Reducing emissions by requiring operators to start engines only when passengers are boarding their buses.
- Promote and develop tour offers including soft modes of transport (cycling, walking and electric vehicle tours).
- In accordance with the incoming tour operators agencies, inform the visitors upon arrival on the strong commitments made by the destination they are touring in terms of responsible tourism (for further information, refer to the road map for tourism in Bordeaux Métropole 2022-2026).



Commitment number 2: a cruise activity respectful of inhabitants everyday life



Objective number 4: optimize the access to the port facilities of Bordeaux Citycentre and the modalities of the below-deck passage of the Chaban-Delmas Bridge

- The cruise ships undertake to optimize their arrival in Bordeaux city centre by respecting the recommendations of the Port Authority and the pilots along the Gironde river, in order to cross below-deck of the Chaban-Delmas bridge safely, as well as by minimizing its closing time to traffic, and therefore its impact on car traffic.



Objective number 5: limit noise impacts during calls

- Cruise ships are accommodated at the heart of the City of Bordeaux, and therefore in an urban environment. The signatory companies undertake to reduce as much as possible the noise impact for residents (no announcements or noisy music on deck, limitation of the noise level from the generators), and sources of vibration. Ships will ensure that the noise on deck is reduced during mandatory safety drills. The foghorn is still allowed on arrival or departure of the ship, during the day only.

If necessary, the City of Bordeaux reserves the possibility, in coordination with Bordeaux Port Authority, of directing towards a berth farther away from the city dwellings the ships causing a proven discomfort.



Objective number 6: support of the approach through pilotage in the Gironde estuary and optimization of navigation procedures

Thanks to their perfect knowledge of tidal currents on the estuary of the Gironde, the Pilots of the Gironde whose mission - among others assigned to them through public service delegation - includes the protection of the environment, are committed along side the City, the Métropole, the Bordeaux Port Authority and the shipping companies to reducing emissions by giving priority to good practices (gradual changes in speed, anticipation, etc.) and by utilising the driving force of the Garonne river and by adopting adapted navigation procedures, as detailed below.

- For ships over 175 metres:

Fairway navigation in the Gironde estuary will be carried out on the advice of the Pilots according to the following modalities:

- From the Verdon to Bec d'Ambès, at a 60% maximum engine load of the available propelling power
 - From Bec d'Ambès to Bassens terminal area, at a 45% maximum load of the available propelling power
 - From Bassens terminal to Port of the Moon city center terminal, at a 30% maximum load of the available propelling power
- For ships under 175 metres: which do not require towing services

A power adjustment will be made to navigate the channel with a maximum surface speed of 2 knots below the normal operating speed of the ship (which, according to Armateurs de France, is equivalent to a 30% decrease in rejections).

Pilots reserve the right to depart from this rule in cooperation with the Port Authority for any emergency situation involving the safety of the ship or the safety of life at sea, or for regulatory reasons and traffic safety



Commitment number 3: involvement of all stakeholders for regular and independent controls

Monitoring of the correct application of the charter, and updates.

Cruise companies must sign this charter before they call at Bordeaux Port de la Lune city center berths. The signatory companies undertake to provide all information relating to the proper application of the charter and to submit to checks by the competent authorities. This charter will be updated to reflect and integrate any future regulatory changes and technological developments for the protection of the environment .

Signatory

Name and position :

Cruise company :

List of ships calling in Bordeaux :

Date :

Signature