



More than 200  
original or  
faithfully  
reconstructed  
objects.

# MAN CONQUERS THE WAVES

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A GREAT HISTORY OF  
NAVIGATION

*The most important  
travelling exhibition  
retracing a great history  
of navigation*

Xpo concept presents its new production: a traveling exhibition proposing more than 200 pieces, with some of them that are exceptional and rare, tracing a great story of the navigation .

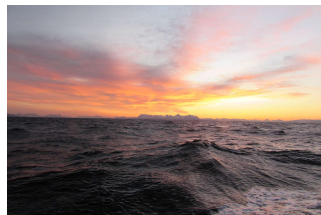


This exhibition traces «a history of navigation» through an immersive and dynamic scenography, while respecting sanitary conditions. The visitor will be offered models of boats, contextualizations through decors, the presentation of authentic or reproduced objects related to the navy and navigation as well as original or faithfully reproduced documents on the basis of these. Objects and tools, but also 3D animations.

Inca ship, made of totoras reeds growing on the shores of Lake Titicaca

# The blue planet

Oceans, seas, rivers and rivers make up more than 70% of the world's surface. Thousands of years ago, man wanted to conquer these previously inaccessible spaces.



Background photos, reconstruction of a beach and globe of 2 M diameter



## The time travel

Covering up to 1500 m<sup>2</sup>, this exhibition will lead the visitor over time. Animations, sets, dynamic legends will immerse them in the atmosphere of navigation.



For children, cartoons representing the different periods will be scattered along the route.



Animated clock simulating the ascent in time



— -8000 to -3500

## the Neolithic period and the first watercraft

Men, clinging to floating woods, clinging to swollen skins, etc....ventured on the water crossing the rivers before going down on rafts to see what was going on a little further for hunting and discovery; they were hungry for exploration.

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In the setting of a Neolithic village will be presented the reconstitution of monoxylic pirogues, various objects and tools.

Neolithic village and monoxyl canoe reconstituted.



— -3500 to 476

## Antiquity and the first ships

Against winds and tides, it is said, very quickly man understood the importance of wind in navigation. A tree branch as a mast and a piece of cloth as a veil. The first sails were made either of animal skin or of vegetable fibres so pushed by the winds the very first navigators were able to venture on the rivers the rivers and later the seas. The first sails only know how to use the wind when it comes from the rear, so the oar remains indispensable.

Later in antiquity, his descendants: the Egyptians, the Greeks, the Romans and many others perfected navigation for commercial and war purposes.



Staples and bindings



Roman Monoreme.  
Egyptian ship



Catalogue of althiburos boats



Construction principles



Ulysses Temptation Mosaic 120x60 cm



476 to 1453

## The Middle Age

In the Middle Ages, navigation, while retaining its roots, turned increasingly towards the exploration of new lands and the discovery of new continents.



Amphorae



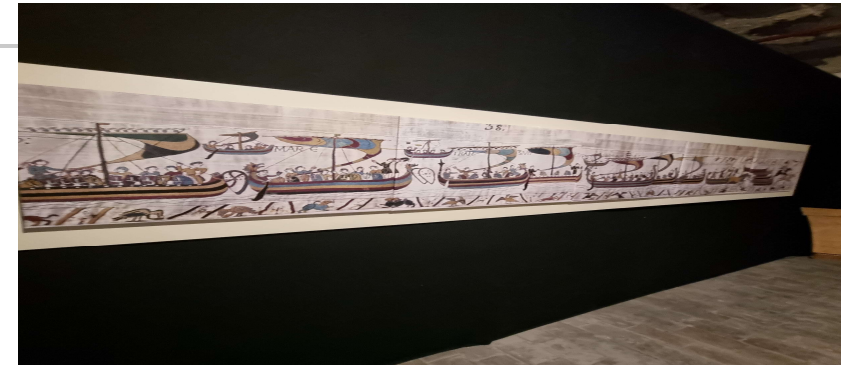
reproduction of maps



Chaland d'Arles



Reconstruction of a drakkar, digitalized and animated



4 M Representation of Scenes of the Bayeux tapestry



1453 to 1789

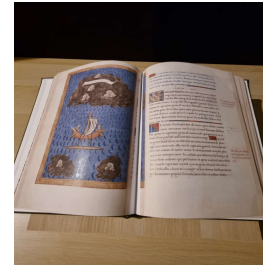
## The Modern Times

Modern times, by their technical progress, still more the footprint of man on the seas and oceans.

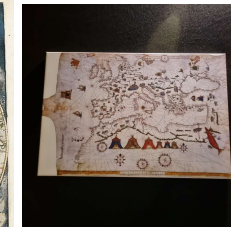
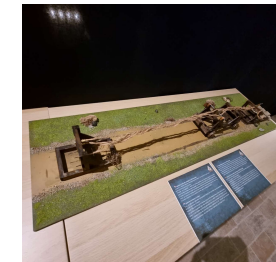
During the three centuries that followed Christopher Columbus's expeditions, few modifications were made to the sailing ships, apart from a gradual increase in their dimensions. Caravels, American clippers, frigates and corvettes...



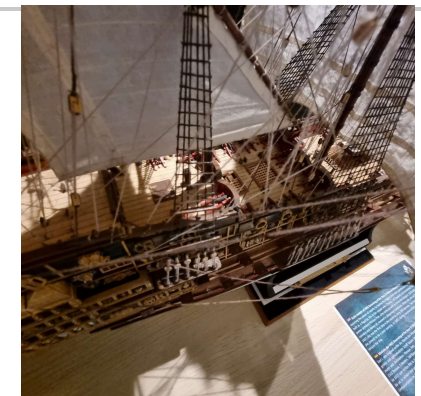
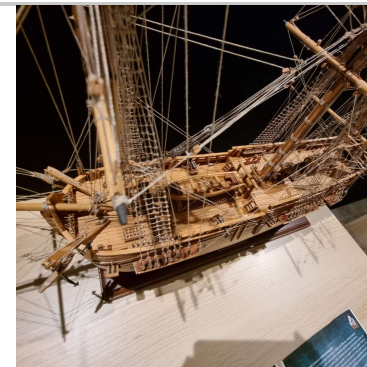
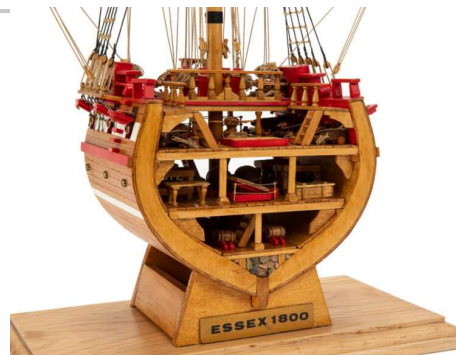
Magelan and its logbook



Miscellaneous instruments and machinery



Orthelius, Mercator maps and atlases



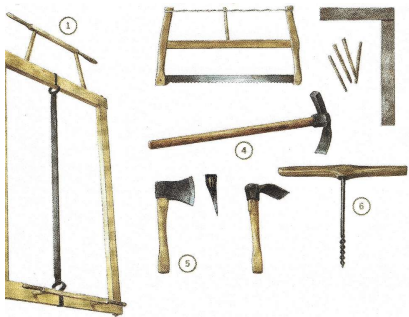
Numerous original models of famous boats

## The life on board

Once the ship is launched and armed, it functions like a real village living in autarky.

It is therefore up to the captain and his chief officer to hire competent men who are sufficient.

Galion reconstruction



Reproduced tools used on frigates



Reconstruction of a 12-pound cannon..

Open cannon





De 1789 à .....

## The Contemporary Time

At that time, large-scale sailboats, often made of steel, with 4 or 5 masts, were still being built in an attempt to compete with the progressive advent of steamboats. In 1783, Jouffroy d'Abbans successfully experimented with the first steamboat on the Saône, the Pyroscaphe. In the USA the Mississippi was very popular with paddle boats.



The Sphinx



HMS Essex

Video showing the sternpost rudder principle



The discovery of the combustion engine (diesel) was a decisive step in the progress of shipbuilding: ships, warships, tankers and container ships

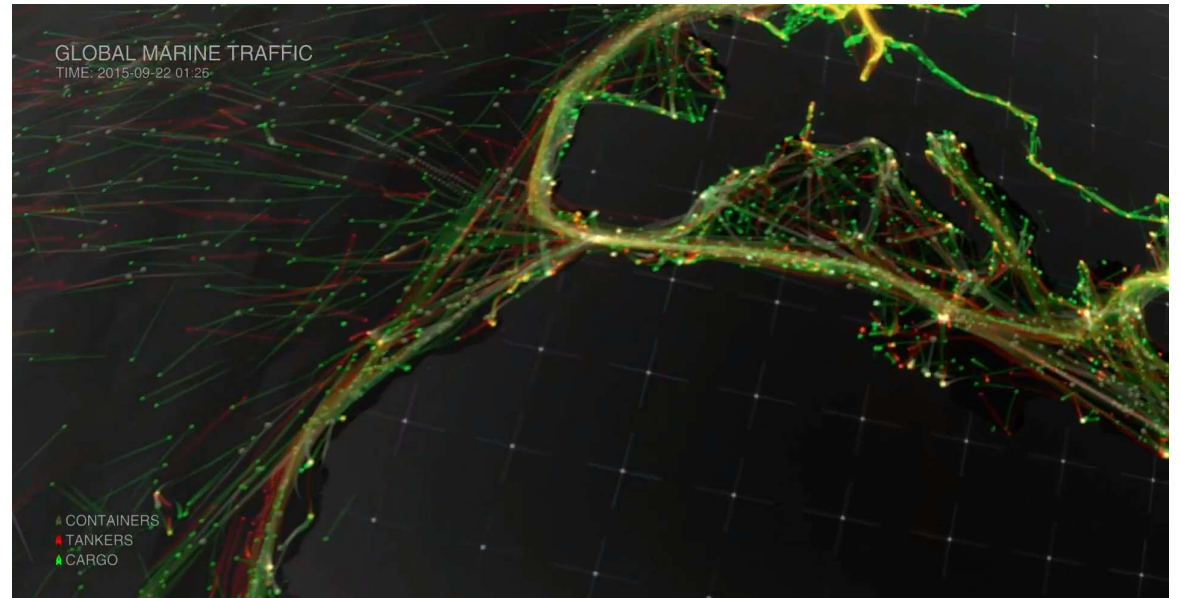


Model of France and the Queen Mary II



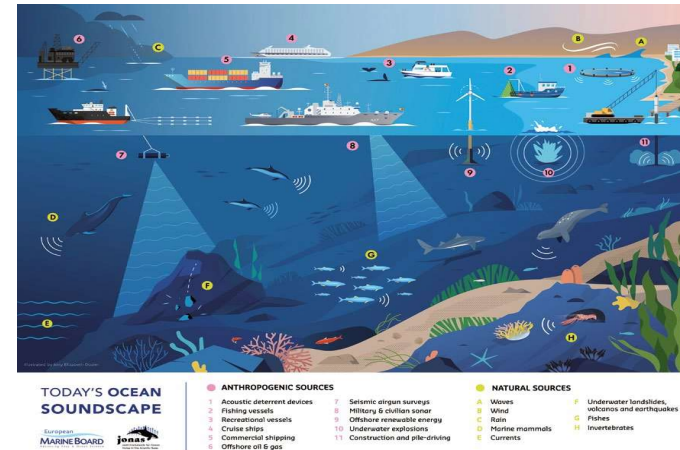
**Today's navigation....**

**It is also this.....**

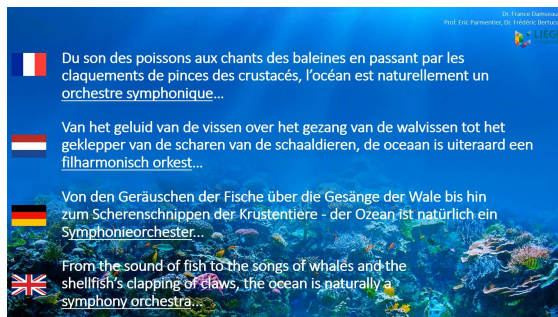


# Pollution of the seas, towards cleaner navigation

The end of the exhibition will lead the visitor to wonder about the footprint that the ever-expanding humanity leaves on the water surfaces of our planet: pollution of the seas and safeguarding our planet.



Poster of the U liège( University of Liège) illustrating the noise pollution caused by ships



Photos illustrating collisions with marine mammals

There are  
solutions...



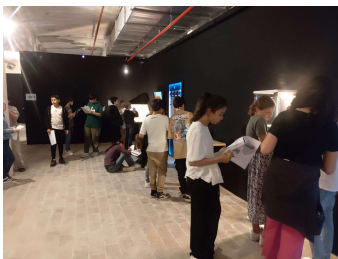




The sponsor of our exhibition Jonas Gerken and the Volvo 164

## The history of navigation and boats accompanies that of man.

The exhibition is intended for a wide audience. Adults and families will find exciting cultural and educational entertainment. Children and school groups will not be forgotten, objects and models are placed at an accessible height suitable for all. Educational files for basic education, but also for high schools and colleges are created and made available to teachers to prepare the visit. Interactivity is strongly present in order to allow everyone to get informed and to leave with documentation.



Xpo concept is a division of D.C.I grpe with Vincent damseaux as administrator since 1988. It is a Belgian company producing scientific instruments for monitoring and measurement, but also traveling exhibitions to which we owe:

- Expo Nunziante in Bruxelles, Istanbul, Lyon, Liège, ...
- Expo Miro in Istanbul, ...
- Expo pop art in Istanbul
- Expo Toulouse Lautrec in Esch sur Alzette.
- Expo Matthis in Floreffe
- Expo « Da Vinci, les inventions d'un génie ! » (120 maquettes produced and more than 120 documents and diverse reproductions.) Bruges, Liège, Istanbul, Antalia, Barcelone, Lyon, Bordeaux... more than 500 000 visiteurs...



the 5 salesmen that accompany the children



## A GREAT STORY OF THE NAVIGATION



1970 Yole accompanying the exhibition



# MAN CONQUERS THE WAVES

## A GREAT STORY OF THE NAVIGATION

dreamstime.

Bientôt dans votre ville

Soon in your city

Bald in ihrer Stadt  
Binnenkort in je stad

Presto nella vostra città  
Pronto en su ciudad