

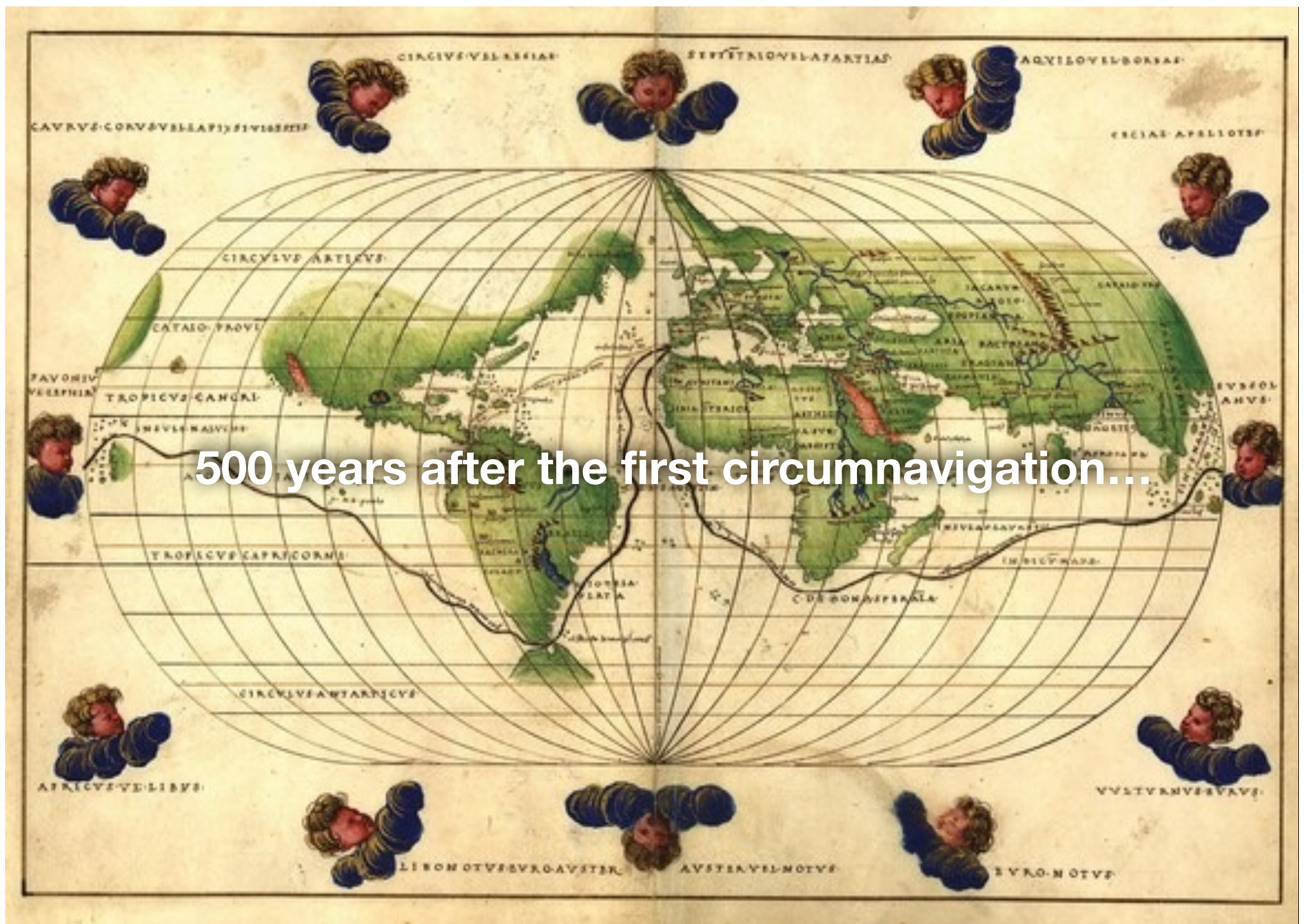
The Fondation Pacifique presents

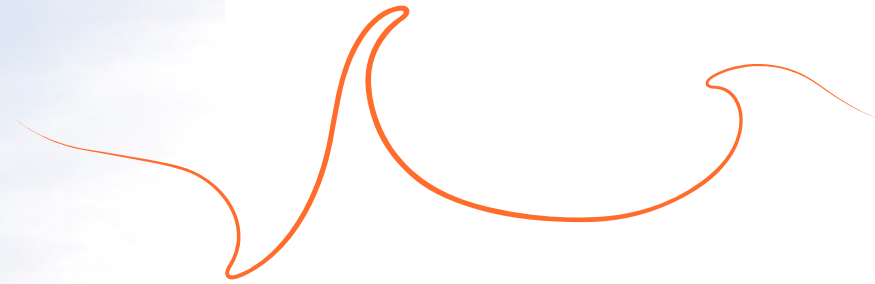


THE OCEAN MAPPING EXPEDITION

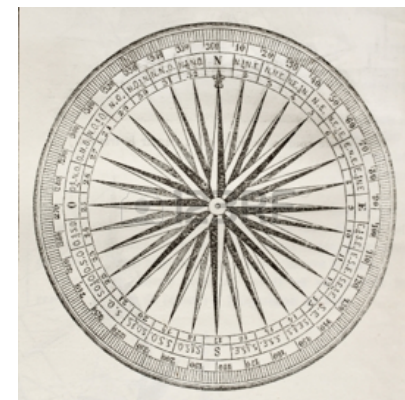
In the wake of Ferdinand de Magellan

Press Kit - April 2016 - www.omexpedition.ch





A trip around the world
in the wake of Magellan
aboard the sailboat
Fleur de Passion,
a 33 meter long ketch
and the flagship of the
Fondation Pacifique





From Sevilla to Sevilla

4 years

to observe, understand and map

the state of the oceans

in order to help rising awareness about sustainable development issues
in the wake of the expedition headed by the explorer who named the Pacific Ocean

Science, young generation and culture

**A combined approach
of environmental and sustainable development issues**

Unique programs around 3 pôles

In an open and profoundly humanistic mindset
and in a spirit of cross-cultural exchange and experience sharing,
The Ocean Mapping Expedition is built around three hubs of activity:



Scientific



Socio-educational



THE OCEAN MAPPING EXPEDITION
Pour la Paix, 100 ans après
la route de l'Émirat de Négil
Ensemble à 200 exemplaires numérotés de 1 à 200

Cultural

Scientific hub (1)

20'000 Sounds Under the Seas

The scientific program **20 000 Sounds Under the Seas** aims to establish a map of sound pollution in the oceans, all along the journey, in partnership with the Laboratory of Bioacoustics Applications (LAB), of the Polytechnic University of Cataluña, Barcelona, directed by world renowned biologist and engineer Michel André (photo below right).



Fleur de Passion is equipped with two different microphone devices: one manually operated (left and above) when the boat stops, the other trawled behind the boat when navigating in the high sea.



Scientific hub (2)

Micromégas

The scientific program ***Micromégas*** - named after Voltaire's tale and which stands for « microwastes/ megaproblems » - in partnership with the Geneva based Oceaneye association will collect samples of sea water on a regular base in order to assess the quantity of plastic pollution. These samples will be analyzed by the Central Environnemental Laboratory of the Ecole Polytechnique Fédérale de Lausanne (EPFL) and provide Oceaneye with new datas on the phenomenon. The results of this mapping of plastic pollutants will be shared with the United Nations Environnement Program (UNEP).





Socio-educational hub

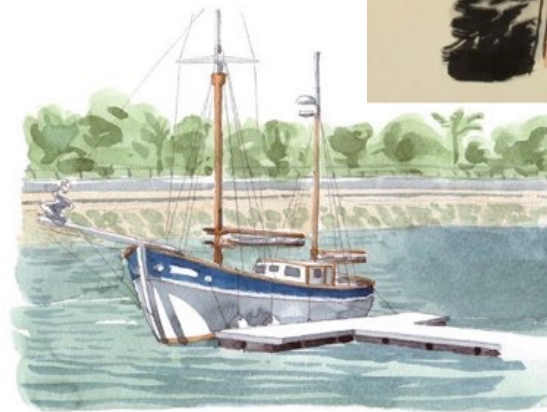
Youth at Sea

A **socio-educational hub**, with as its central project *Youth at Sea*, which entails welcoming aboard *Fleur de Passion* a range of teenagers and young adults from Switzerland or elsewhere, in the context of reinsertion programs and of short, medium or long-term experience of life at sea, either by pair or in groups of 6/7.



In The Mirror of Magellan

A cultural and environmental awareness raising hub, with as its main project *In The Mirror of Magellan*, which entails welcoming cartoonists onboard throughout the journey. Based upon Magellan's expedition of 500 years ago, they will make sketches on the themes of exploration, the quest for knowledge, and the links between humans and the sea & mother earth. The project will welcome about 10 cartoonists from Geneva, as well as their counterparts from across the world, whose drawings will be used for various publications and exhibits.



Tom Tirabosco,
Brazil, July 2015

Matthieu Berthod,
Sevilla-Las Palmas, April 2015



Zep,
Portimao, March 2015

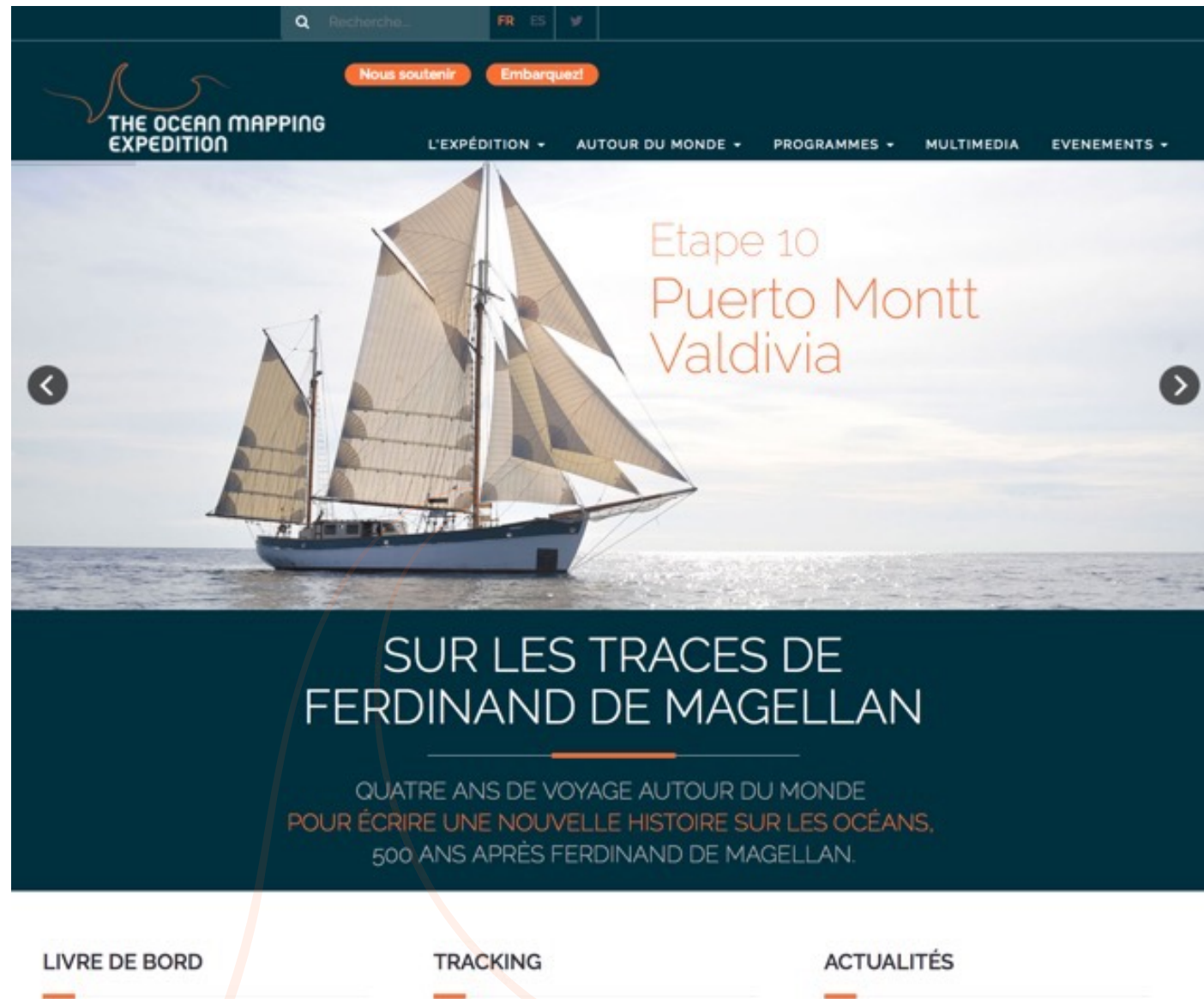


A simple mission

Sharing today's « spices » with the public, worldwide

www.omexpedition.ch

A website to permanently follow the expedition and its quest
for a better understanding of the oceans





In Geneva and at main stopovers

Bringing the oceans
at the very heart of the city



Mapping the oceans, video mapping the city

Each year in Geneva and at main stopovers, using high end technology, a video and sound mapping on selected buildings is to bring the expedition to the public at the heart of the city in order to share the beauty of the oceans as well as to rise awareness about sustainable development issues.





Public events, school visits...

As it is our intention to enable the broader public to get acquainted with all these programs along the expedition, main stopovers communication events will be set up on and around the sailboat in a spirit of exchange, sharing the experience, and disseminating the ideas and knowledge gathered through exhibits about the projects, visits of the boat, screenings, etc



Sevilla - Valdivia (April 2015 - April 2016)

An overview of the expedition after year 1



After its first year, *The Ocean Mapping Expedition* has set up a significant milestone of its mission.

Fleur de Passion, a logistic platform fully operational

After 5 months of preparation in Portimao, Portugal and the first 8 months of navigation, *Fleur de Passion* has demonstrated its full capacity to efficiently play its role as a logistic platform for the first two scientific programs of the expedition - the mapping of sound and plastic pollution. In Brazil and Argentina, along its way to the Strait of Magellan, additional maintenance or equipment works have been carried out:

- a new set of sails has been received and put in place in Brazil
- a protection of the helm has been built in the prospect of the navigations in Patagonia

Two main scientific programs in place and initial results

- ***Micromégas*: 25 water samples** have been collected by the crew, packed on board then sent to Switzerland for analysis at the Central Environment Laboratory of Ecole Polytechnique Fédérale in Lausanne (EPFL). All samples have shown the presence of plastic particules, according to preliminary results.
- ***20'000 Sounds Under the Seas*: unique recordings** have been made, especially in the Strait of Magellan, a unique contribution to mapping the sound pollution in the oceans.

19 young as privileged witnesses of the expedition

- **19 teenagers and young adults** have joined the expedition as members of the *Youth at Sea* socio-educational program, 12 from Switzerland and 7 from Argentina, by pair or in group of 5/7, some of aged 15 and for up to 2 months. A overall total of 53 passengers shared the experience from one to several weeks on board.

5 cartoonists « in residence » on board *Fleur de Passion*

- **The first 5 cartoonists of the cultural program *In the Mirror of Magellan*** have shared their impression of the expedition, available on the website: Zep, Matthieu Berthod, Tom Tirabosco, Pierre Wazem and Peggy Adam.

Over 700 school children have visited the boat and learned about the expedition and its scientific programs

Communication: first media outreach

- > **Branding and website** of the expedition in French and Spanish
- > **Press conference at Geneva Press Club and launching event** on 12 March in Geneva
- > **Departure of the expedition on 13 April from Sevilla** after a week of public events, press conference
- > **PR activities** at Rabat and Buenos Aires
- > **First media coverage** in Switzerland, Spain, Morocco, Argentina, Chile (See Press Review 2015)
- > **26' documentary on Swiss national channel RTS1 for the program « Passe-moi les jumelles »**

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The Ocean News & Technology 2015 Unmanned Vehicles Buyers' Guide - Has Arrived!

The Buyers' Guide is available 24/7 on our website

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Applied Bioacoustics Laboratory (LAB) Will Map Ocean Noise on a Round-The-World Sailing Trip

20,000 Sounds under the Sea is a project of the University of California's Applied Bioacoustics Laboratory (LAB) that aims to study ocean noise. The study will be carried out on board the Swiss ship "Paul de Fassin," which will go around the world in four years with the aim of measuring human impact on oceans and contributing to the debate surrounding the role of humankind at sea. The Ocean Mapping Expedition, which was announced on March 12 in Geneva (Switzerland), and was launched on April 12, is being organized in the framework of the 100th anniversary of Ferdinand Magellan's voyage exploring new sea routes in the Pacific.

"For the first time, a ship will be permanently equipped with the latest sensor technology, which will allow us to map noise heard on a scale never seen before," says Michael Andri, director of the UPMC's Applied Bioacoustics Laboratory. Laboratory of 20,000 sounds under the sea will breed and automatically classify all sounds of interest in human journey along the route the Paul de Fassin sailing into waters around the world. The system will supply real-time sounds and images taken with onboard underwater cameras to researchers at the LAB, which is linked to the laboratory in Galata School of Engineering (EPFL) via a network on the Horizon (UPL) satellite. The images and sounds that are recorded will be uploaded directly to the website of the Expedition and will also publicly available.

Nat DeLong carrying out tests below mapping noise pollution in the ocean.

EL MUNDO

Edición España  Versión Clásica 

SECCION

Ciencia

FÚTBOL

Siga en directo el derbi: Real Madrid vs Atlético de Madrid.

OCEANOGRAFÍA

Recorrerá la misma ruta que Magallanes hace 500 años

El mapa del ruido marino

Una expedición pionera ha partido el domingo desde Sevilla para realizar un estudio pionero sobre la contaminación acústica en los océanos de todo el planeta



El velero "Fleur de Passion", con el que se realizará el mapa acústico de los océanos.

ASSOCIATION PACIFIQUE

NACHO GONZÁLEZ

Sevilla

Actualizado: 13/04/2015

08:42 horas

1

quierentes salir al patio. Pero, más allá de su relativa neutralidad, y su tremenda bota blanca, la gran ausencia del 'Ticor de Puccio' quizás sea la referencia más fuerte sobre la presencia de la cultura española en el Báltico y el Mar del Norte.

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¿Es el océano ese santuario de silencio y armonía natural al que nos tienen acostumbrados los documentales de televisión? ¿Es la lejanía de los núcleos urbanos garantía de que la profundidad del gran azul protege a las especies marinas? ¿Es este abismo un mundo de quietud que amortigua cualquier ruido hasta convertirlo en un murmullo apenas audible? Lo es... sólo para el ser humano. Para el resto de las especies, es algo más parecido al centro de una gran ciudad en hora punta.

Annexe 1

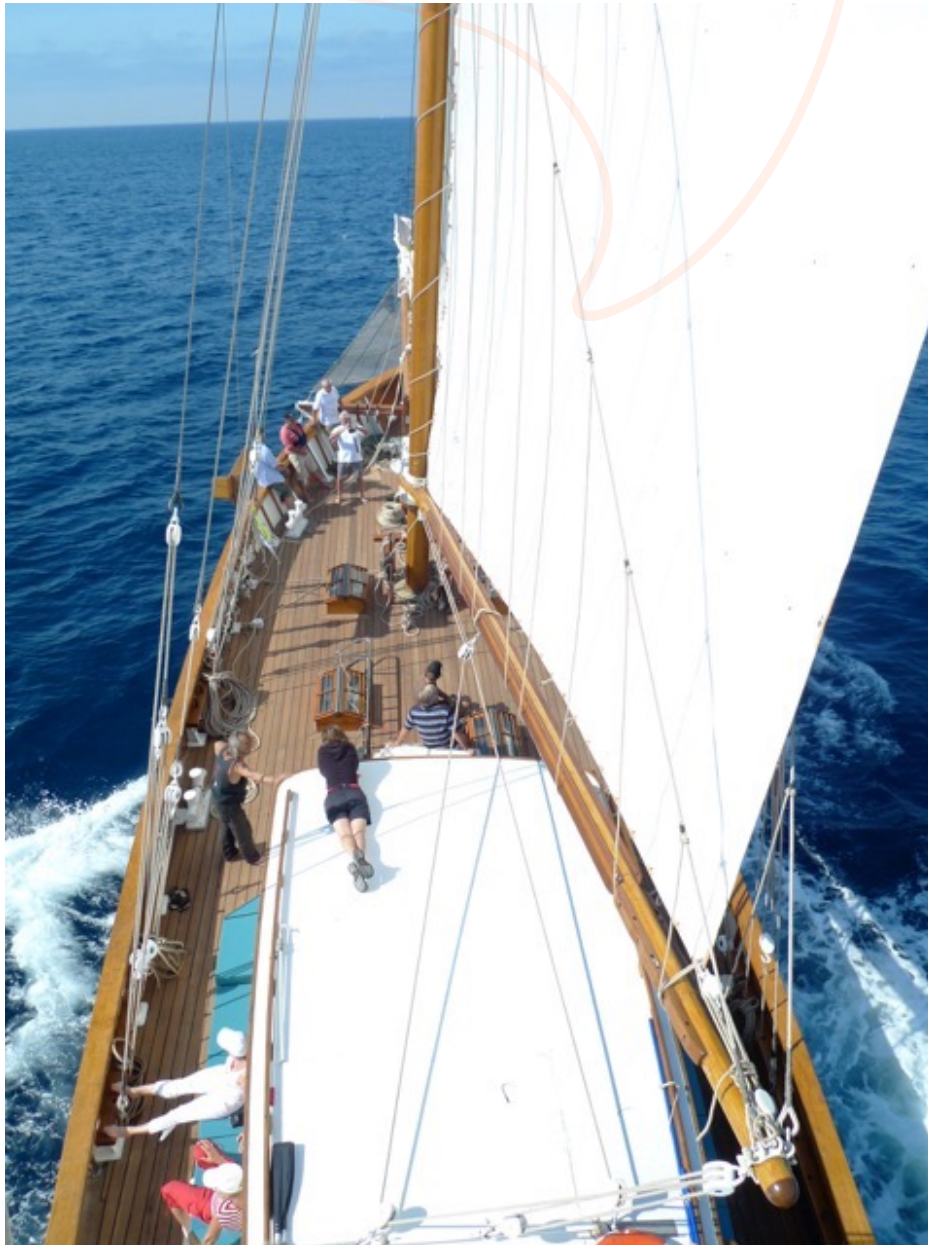
Fleur de Passion

The logistic platform with a stunning history



Fleur de Passion

Facts & Figures



FLAG : Switzerland

HULL AND DECK :

Overall length : 33 m

Length of the hull: 24 m

Maximum width : 6,10 m

Draught : 2,80 m

Structure : steel

Hull : oak

Deck's surface : 120 m²

Total weight : 100 tons



GRÉEMENT :

Rigging : ketch

Sails surface : 380 m²

Main mast : 24 m

Mizen mast : 17 m

Bowsprit : 8 m

CAPACITY :

(not including crew) :

10 people

30 people for a day trip

CREW :

1 skipper

1 bosco

1 mechanic

1 intendant

ACCOMODATION :

4 triple cabins

1 dormitory for 4-5 people



Life and work on board (up left to right).

The 33m long *Fleur de Passion* is the tallest sailboat under Swiss flag.

Since it was entirely renovated in 2009, *Fleur de Passion* has navigated in Mediterranean Sea, Atlantic, Red and Baltic Sea, as well as in the Caribbean Sea.

Over 1'700 people have sailed on *Fleur de Passion* since 2009.



The Boat That Would Float

Fleur de Passion before *Fleur de Passion*

1941 : Built in Bremen, northern Germany. The future *FLEUR DE PASSION* is a motor boat of the German Navy, designed in such a way that she can be converted into a sailing boat in the event of an oil shortage. With her steel structure and wooden hull, she is largely used for mining and demining, support of U-Boats and clandestine activities, passing as a fishing boat.



1945 : Having survived World War II, she is handed over to the French Navy, which she serves for some 30 years.

1976 : The boat is dismantled and sold to a French sailor, who transforms her into a sailing boat and names her *FLEUR DE PASSION*, inspired by *The Boat That Wouldn't Float*, a novel by Canadian author Farley Mowat. Over the next 20 years, she sails the Mediterranean and crosses the Atlantic as a platform for scientific and socio-educational programmes.



Over 6 years of renovation The Pacifique years

2002 : In serious disrepair, for lack of financial resources, *Fleur de Passion* is sold to the Geneva-based Association Pacifique, a non-profit organisation that undertakes her complete renovation.

2003 : Renovation gets underway in Marseille.

2007 : *Fleur de Passion* becomes the flagship of the newly-created Antinea Foundation, a Swiss-based non-profit organisation dedicated to protection of the oceans, that will become the Fondation Pacifique in 2014.

2009 : After six years of impressive renovation work, a new spring awaits *Fleur de Passion*. She is launched in Marseille in the presence of Albert Falco, former Head of Expedition of the *Calypso*; and the first season of scientific, socio-educational and environmental awareness-raising navigations starts in the Mediterranean, in the framework of the *Changing Oceans Expedition*, in partnership with the IUCN and under the high patronage of UNESCO.

Annexe 2

The Fondation Pacifique

Bridging the oceans and the wider public



About the Fondation Pacifique

The Fondation Pacifique is a non-profit organization, based in Geneva where it was created in 2007. It was born out of the desire of its founders to play an innovative role in the way in which environmental as well as socio-educational questions were addressed, namely in a multidisciplinary, open way, based on partnerships and participation of the public at large, be they experts or interested individuals, young or old, welcoming all to take part in the activities aboard its sailboat and flagship, *Fleur de Passion*.

Since 2009, The Fondation Pacifique has been conceiving, organizing and implementing thematic expeditions mixing scientific, socio-educational and cultural programs. Its ambition is to contribute to a better understanding of the human impact on the oceans in order to rise awareness about the necessity to better protect the environment.

Board members



Pietro Godenzi
President
Founding member



Samuel Gardaz
Vice-President
Founding member



Bruno Ferrillo
Treasurer



Pascal Sottas
Founding member



Markus Kessler
Founding member



Stéphane Fischer
Founding member



Marie Monteau
Founding member

2009-2014: 6 seasons of navigation

2009 – First season of scientific, socio-educational and environmental awareness-raising navigations in the Mediterranean, in the framework of the *Changing Oceans* expedition (www.changingoceans.org), in partnership with the IUCN and under the high patronage of UNESCO.

2010 – Navigation season in the Mediterranean, Atlantic, North Sea and Baltic Sea:

- Mission in Morocco on the human impact on the oceans, in partnership with North American biologist Ben Halpern of the University of California in Santa Barbara
- Observation and readings in different marine protected areas
- Mission on the human impact on the oceans, in partnership with the Oceanographic Museum of Kiel, Germany
- Mission in the south of England on invasive species, in partnership with Bangor University of Wales
- Socio-educational projects and school-classes on board

2011 – Navigation season in the Mediterranean and Red Sea:

- Mission with the Oceanographic Museum of Straslund, Germany
- Mission on the human impact on the oceans, in partnership with Ben Halpern's team of scientists
- 3D modeling mission
- *Fleur de Passion* officially recognized as a platform and space for socio-educational and reinsertion projects by Genevan authorities.

2012 – Navigation season in the Mediterranean and Atlantic:

- Environmental awareness-raising campaign in Morocco
- Environmental awareness-raising project: *In search of the 6th Continent*
- Socio-educational and reinsertion navigations

2013 – Navigation season in the Mediterranean and Atlantic, and transatlantic crossing at the end of the year from the Canaries and Cap Verde

- Mission on the human impact on the oceans in Dakar, Senegal, with the local NGO Oceanium
- Socio-educational and reinsertion navigations

2014 – Transatlantic crossing, navigations in the Caribbean (Guadeloupe, Haiti, Bahamas), return across the Atlantic to Morocco, followed by navigations in the Mediterranean



Fondation Pacifique

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20'000 Sounds Under The Seas Program

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Micromégas Program

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