



# The MANTA Project

To preserve the oceans  
To fight against plastic pollution

# VISION, MISSION, OBJECTIVES



# THE IMPORTANCE OF THE OCEAN



Essential supplier of oxygen



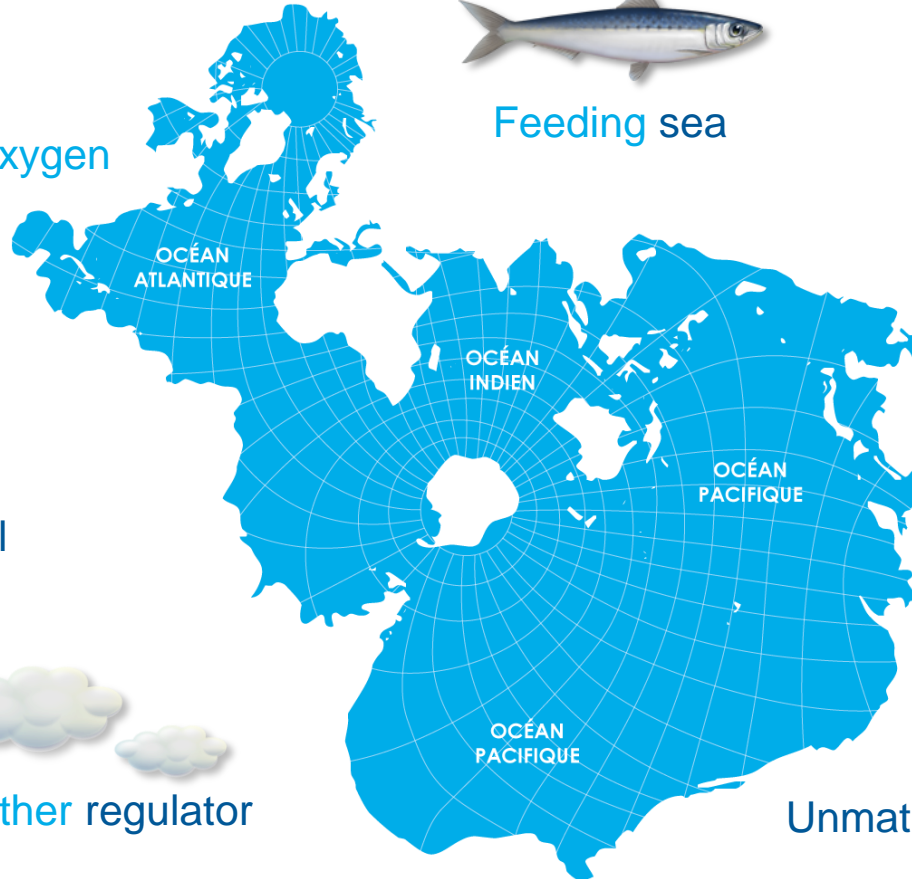
Feeding sea



Health stabilizer



Carbon well



Playground



Weather regulator



Unmatched source of inspiration

# PLASTIC POLLUTION IN FEW FIGURES...



**8 000 000**

tons/year of plastics  
are dumped into the oceans



**1 000 000**

sea birds  
killed every year



**100 000**

sea mammals  
killed every year



+ de **1400**

marine species  
impacted



**70%**

floating waste sink in  
the first year



**450** years\*

for a plastic bottle to degrade  
*\* submerged, this time is close to infinite*

# OBJECTIVES OF THE SEACLEANERS

## *A Global, Preventative and Corrective Vision*



## AT SEA



**Collect** macro plastic waste in high density areas before they break down and spread around



**Observe** and **learn** to recover scientific data



## MANTA'S AREAS OF ACTION

- ✓ Priority to collect missions close to the coasts, the estuaries and the most polluted river deltas
- ✓ High mobility and wide action range will enable the Manta to clean polluted areas following natural disasters (tsunamis, typhoons, ...)



# OBJECTIVES OF THE SEACLEANERS

*A Global, Preventative and Corrective Vision*



## ON LAND



**Protect** biodiversity and replace human at the heart of tomorrow's ecological stakes



**Promote** long-lasting local and circular economy by encouraging collection, recycling and reuse of plastic waste



**Educate** and **prevent** to raise future generations' awareness

# THE MANTA, A MULTI-PURPOSES SHIP



Combination of several renewable energy producing technologies to reduce the carbon footprint

## A ship to clean the oceans

Continuous waste collection capacity with an onboard waste treatment and energy conversion plant

Large waste storage capacity

## A scientific laboratory

Allowing the organization of scientific missions to geolocalize, quantify et characterize waste patches

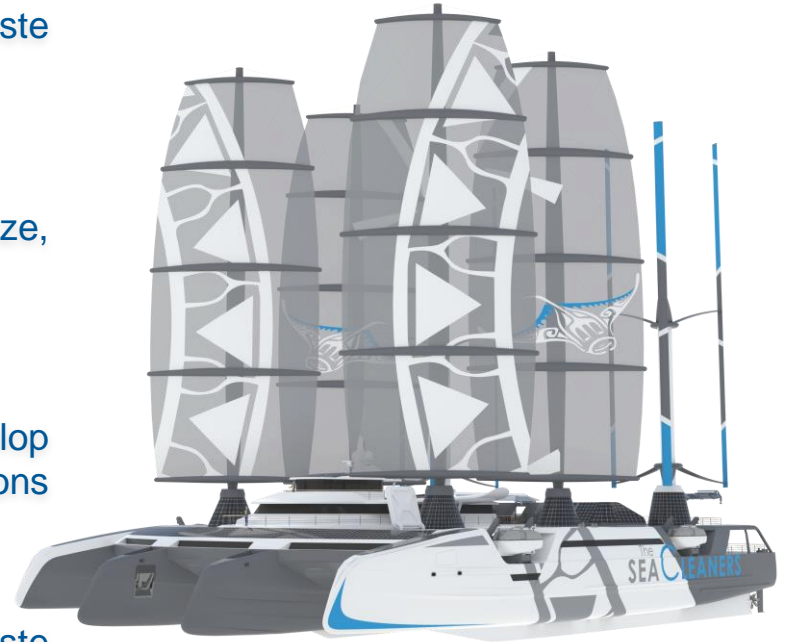
Data available in Open Data

## An educational tool

Allowing public exhibitions and conferences to develop awareness and promote preventive actions for populations the most impacted by plastic pollution

## A lever of the circular economy

A demonstration ship to initiate or develop plastic waste collection and valorization initiatives and to boost the local circular economy



# HOW TO REDUCE YOUR WASTE PRODUCTION ?



**80% of marine litter comes from land**  
**Reduce plastic pollution in the ocean means reduce waste production**

## THE RULE OF THE 5 R

- **Refuse...** Because the best waste is the one that is not produced.  
Refuse plastic cups, teacups, candies, individually wrapped, straws... Options for a gourd in your bag or reusable bags to do your shopping
- **Reduce...** It is to reconsider its needs and thus to avoid overconsumption.  
Do I really need the latest phone?
- **Repair/Reuse...** It is to value the material already present in the circuit.
- **Recycle...** It is to value the material already extracted and thus to preserve natural resources
- **(Rot)...** It is feeding the earth and therefore eating.  
Set up a composter





## As an individual in my organization I can :



**Make known** The SeaCleaners around me  
*Relay on social networks, talk to your entourage, your children, etc.*



**Become a volunteer** of The SeaCleaners  
*With the future opening of The SeaCleaners' offices, engage with the association in its development (presence on events, awareness in schools, etc.)*



**Organize a garbage collection** in my neighbourhood, my city, by the sea, etc., under the colors of TheSeaCleaners  
*Relay information on social networks with the appropriate hashtag, wear the SeaCleaners t-shirt or cap, follow the "Pickup Guide" downloadable from The SeaCleaners website*



## As an individual in my organization I can push for :



**Financial support**



**Proficiency partnership**

Which enables to mobilize your company's know-how or a specific expertise for the benefit of a public interest organization



**In kind partnership**

Donation of material goods  
Disposal of means



## TRUE or FALSE

### WASTE, PLASTIC

Since it is manufactured until the end of its life, a toothbrush represents more than a kilo of waste.

**True :** *the manufacture of an object from the extraction of natural resources through the transformation requires energy and generates waste, called "hidden waste" or the "ecological backpack". As such, the production of the one kg of usable aluminum results in 5kg of waste. A toothbrush represents 1.5 kg of "hidden waste". A 75kg mobile phone, a 1500kg computer and a 2 ton gold ring ! Not to mention the hazardous working conditions for the health of the workers, among whom there are sometimes children.*

*Together,  
Let's build a story around an action to preserve the oceans !*

