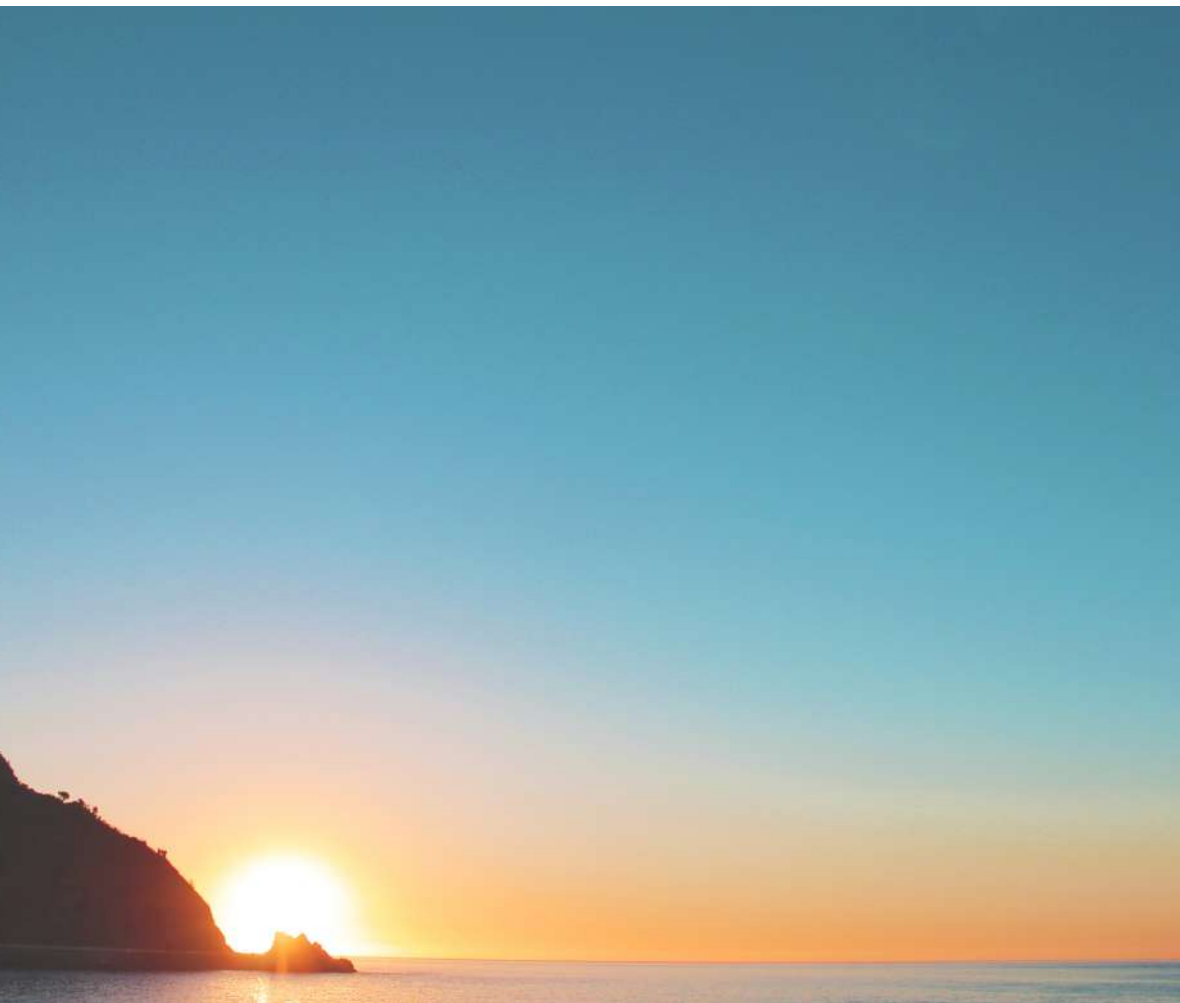


# OYour Green Experience

Magazine

Second Edition | April 2021



### 3 OYour Green Experience

- 4. The Poster
- 6. Magazine

### 7 Why Change?

- 8. United Nations 2030 Agenda: the world joins all forces to transform our world
- 12. The Plastic Island
- 15. Waste Management in the Mediterranean Islands
- 17. Make A Change - Sungai Watch

### 22 Nautica Green

- 23. Towards an eco-sustainable nautical world: Mercury is nominated Green Masters for the 10th year in a row
- 25. Photovoltaic onboard
- 28. Why is cork better than teak on a boat?
- 31. Ultrasonic Antifouling

### 33 New Habits

- 34. The Garden comes back onboard
- 36. Traveling with essential oils
- 38. All crazy about the Water-Bike!

### 40 Experience & Destinations

- 41. Gallinara Island: the charm of an (almost) uncontaminated nature
- 43. The Ponente Ligure Cycle Path

### 45 SuperYachts

- 46. Tankoa M/Y SOLO a true Technical Marvel
- 48. The Superyacht industry moves toward sustainability

### 49 Events & Media

- 50. The film: "Before the Flood" - Point of no return
- 54. The book: Plan B 4.0
- 55. Red Coral
- 56. Venezia boat show 2021

### 58 Stories from the Sea

- 59. "Free wheels in the wind"
- 61. Around the World on a Sailboat: an experience and a thousand ways to live it

### 65 Travelling in the same direction

A large, curling blue wave frames a tropical seascape. In the distance, a sailboat is visible on the water, and a small island with a lighthouse sits on the horizon under a blue sky with white clouds.

Every moment is a new beginning

*T. S. Eliot*

# OYour Green Experience: The Poster

For more than twenty years, what we are most passionate about is guide you in the **best experience at sea**.

For this reason, this year, we decided to give shape to this **experience**, making it the **symbol** that distinguishes us.

We have added an emblematic element to our logo, the **compass**:  
symbol of the ability to follow one's dreams accompanied by  
a faithful companion able to **show us the path**.

We like to think that our time-rooted **experience** guides you and,  
on the other hand, we are convinced that your **experience** may stimulate us to  
continuous innovation.

To date, the **experience of the sea** cannot be separated from yours  
**respect** and its **protection**.

This is how we keep our **promise** and continue to work hard  
to offer you the best:

## OYour Green Experience

**OYour Green Experience** is a project, a path that involves the achievement of different **ambitious objectives**:

**Raise awareness and motivate action:**

This is how this **editorial** was born, now in its second release, in order to create together an increasingly sustainable nautical practice.

**Create the alternative:**

The **Green Package**, a selection of eco-friendly products to be used onboard, has officially taken shape also thanks to some collaborations already started.

**Reduce the impact of our offices:**

A **plastic-free** perspective and the use of more sustainable products

**Financing and supporting initiatives and projects:**

Our first concrete action is the financing of the **SeaBin** of the Porto Vecchio in Sanremo.

**Establish Partnership**

Collaborate with companies that share **our mission**

We consider this only as a beginning, because we are convinced that **drop by drop, we can make the difference** in creating a green wave that becomes the sea.

*Y Team*  
*Oceanis Yachts International*

# OYour Green Experience: The magazine

A **new beginning**, a **new dawn** always depends on what we do today.

The release of the first issue of "**OYour Green Experience**": our quarterly editorial, which aims to create awareness of how essential it is to preserve and **improve the environmental impact of navigation**, has had great success, actually it has even exceeded all expectations.

More than a thousand people have placed their trust in this project, choosing to dedicate their time to read **OYour Green Experience - Magazine**.

The emotion we felt in discovering how much each of us feels ready to get involved in first person is undeniable, with the aim of making a difference and doing our part to navigate in ever "**cleaner**" waters. We have become aware of how much this project is not a challenge or a dream, but rather a vision, because we are not the only ones who see reality with "different eyes" and united we can really make a **difference**.

In the second issue of **OYour Green Experience**, the questions that give the title to our columns remain the same, but we always try to provide new answers and ideas!

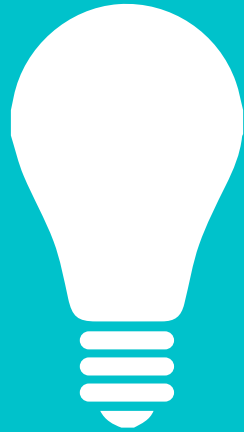
The **seven rubrics** aim to guide us on a journey towards awareness, starting with asking ourselves "Why change?" up to the creation of new habits, also thanks to the knowledge of new products and technical innovations on the market. A journey that we hope will lead us to rethink our holidays, without giving up the wonders that the sea can give us with destinations and experiences to be lived. We will discover the increasingly ecological innovations that also concern super yachts and we will collect the latest news in terms of events and information material that can support us in this path.

Finally, there is no journey without witnesses, which is why the "Sea Stories" are born where we tell some of the most significant stories that have been part of this exciting journey.

**Our journey has only just begun: always certain that if the direction is the right one, the wind will help us navigate, confidently towards the destination.**

**Enjoy the reading**

# Why Change?



Cruising towards  
new horizons

OYour Green Experience





Perchè Cambiare?

# United Nations 2030 Agenda: the world joins all forces to transform our world

In the **2030 Agenda for Sustainable Development** of the UN, it is planned the action program drawn up in 2015 by the governments of the 193 member countries of the United Nations.

The major action program includes **17 Common Goals** and **169 targets** to be achieved that concern the main issues affecting development, such as the fight against hunger, poverty and climate change.

In this issue of **MYS Goes Green** - the Magazine, predictably, we focus on goal number 14 which provides for the conservation and **sustainable use of the oceans, seas and marine resources**.

If we still ask ourselves why this protection is essential, the answer is simple: a sustainable future is closely linked to a **careful management of the seas** - because they regulate and supply most of the elements that make the earth a livable place for human beings such as: oxygen in the air, weather, food, rainwater and especially what we drink.



Source: Centro Regionale di Informazione delle Nazioni Unite

**15 YEARS ARE NEEDED IN ORDER TO ACHIEVE AN IRRENUOUNCABLE SUSTAINABILITY**





Perchè Cambiare?

# United Nations 2030 Agenda: the world joins all forces to transform our world

The UN specifies 10 fundamental points related to this objective:

- C** Oceans cover **3/4 of earth's surface**, containing **97% of the water** present on Earth and representing **99% of space**, in terms of volume, occupied on the planet by living organisms
- C** More than **3 billion people** depend on marine and coastal biodiversity for their livelihoods
- C** The estimated market value of marine and coastal resources and industries is \$ 3 trillion annually, or approximately 5% of global GDP
- C** The oceans contain approximately 200,000 identified species, but the real numbers could be in the millions
- C** The oceans **absorb about 30% of the carbon dioxide** produced by humans, thus mitigating the impact of global warming on the Earth
- C** The oceans represent the largest protein reserve in the world
- C** The marine fish industries employ, directly or indirectly, more than 200 million people
- C** Fishing subsidies are contributing to the rapid **depletion** of many fish species
- C** **40%** of the world's oceans are heavily influenced by human activities (pollution, depletion of fish stocks and loss of natural habitats along the coasts)





Perchè Cambiare?

# United Nations 2030 Agenda: the world joins all forces to transform our world

From this awareness, **10 new goals** are born, summarized below, preparatory to achieving the protection of underwater by 2030.

14.1 Prevent and significantly reduce all forms of **marine pollution**, especially those deriving from activities carried out on land (By 2025)

14.2 Sustainably manage and protect the **marine and coastal ecosystem** to avoid particularly negative impacts, strengthening its resilience and possibly restoring it (By 2020)

14.3 Minimize and address the effects of **ocean acidification**

14.4 Effectively regulate **fishing** and end excessive, illegal, undeclared and unregulated fishing and destructive fishing methods. (By 2020)

14.5 Preserve at least 10% of **coastal and marine areas** (By 2020)

14.6 Ban those forms of fishing subsidies that contribute to overcapacity and **overfishing** (By 2020)

14.7 Increase the economic benefits of small island developing states, and least developed countries, making use of a more sustainable use of marine resources, including **sustainable management of fisheries, aquaculture and tourism** (By 2030)





Perchè Cambiare?

# United Nations 2030 Agenda: the world joins all forces to transform our world

14.a Increase **scientific knowledge**, develop the research and transmission capacity of marine technology [...] with the aim of improving ocean health and increasing the contribution of marine biodiversity to the development of emerging countries

14.b Provide access to **small-scale artisanal fishermen** to marine resources and markets

14.c Enhance the conservation and sustainable use of the oceans and their resources by applying **international law** [...]



The afore-mentioned goals and targets are defined as common by the 2030 Agenda, to emphasize how much they **affect all countries** and individuals on Earth; in fact no one can be considered excluded or left behind in this fundamental path to achieve true Sustainable Development, which has since long been essential. Especially us, **who live the sea and have always loved the sea.**

*Orange Du Fer*



# The Plastic Island

Perchè Cambiare?

Imagine travelling a distance equal to the entire Iberian Peninsula; indeed even more... Imagine travelling to the United States and covering the entire surface coast to coast. Great, you will now have an idea of the size of one of the largest islands of waste floating in the waters of our planet.

This is the **Great Pacific Garbage Patch** and its formation dates back to the 1980s: it is estimated that today it is composed of about 3 million tons of waste and is now clearly visible with satellite images.

The good news is that the Californian science mission **KASEI with the KWAJ ship** is attempting to dismantle the island and apparently about 170 tons of waste have been removed.

The goal is to reach 450 tons in the short term through the support of a second ship.

**3 milioni  
di  
tonnellate  
di rifiuti  
visibili  
dallo  
spazio**



Source: Asia Pacific Infrastructure





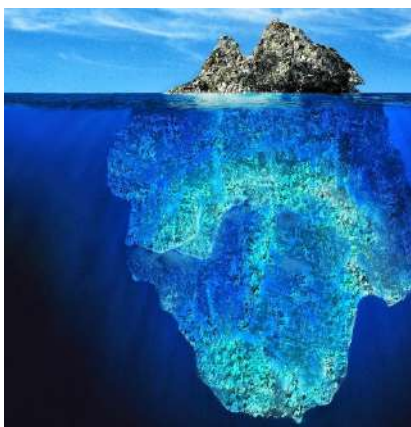
Perchè Cambiare?

# The Plastic Island



Source: thedifferentgroup.com

## The islands of waste in the Mediterranean and in the world



Source: meteoweb.eu

Moving to the Mediterranean, unfortunately, here too there is an island of waste located between the island of **Elba and Corsica**; which is for now few tens of kilometers long but constantly expanding. This waste is, for the most part, coming from the Arno, the Tiber and the Sarno rivers.

In the Mediterranean Sea 7% of all **microplastics** is concentrated, it is a sea with a high temperature and due to its water circulation mechanism it has no escape routes on the surface (the only one is the Strait of Gibraltar which, however, only measures 14 km) therefore the plastic debris remain "trapped" inside of it, often settling on the seabed with imaginable consequences for the entire ecosystem.

Continuing our **strange journey** we meet other "**unexpected islands**" scattered around the world.

The second largest plastic island by extension is pushed by the **North Atlantic current**. Discovered in 1972, it is estimated to have an extension of about 4 million square kilometers.

In 1988, the **Indian Ocean Garbage Patch** was also hypothesized for the first time, then confirmed in 2010. It has a density of 10,000 debris per square kilometer.

Among the latest "islands" discovered we remember: the **Arctic Garbage Patch**, near the Arctic Circle in the Barents Sea. It was detected in 2013 and is made up of debris coming mainly from Europe and North America.

And yet another "island" located between **South America** and **southern Africa**; moved by the south-Atlantic Ocean current, it has an extension of over 1 million square kilometers.



# The Plastic Island

Perchè Cambiare?

We conclude our "trip" by mentioning the **South Pacific Garbage Patch**, recently discovered off the coast of Chile and Peru, formed mainly by micro-fragments of plastic materials and has an area of around 2.6 million square kilometers; to better focus we can say that Italy is about 8 times the size

After this sad list, the mission of the **KASEI** ship involved in the removal of plastic from the **Great Pacific Garbage Patch** mentioned at the beginning of the article seems like a drop in the ocean, but it is a starting signal for repairing an environmental disaster of enormous proportions.

We all contribute with more **conscious actions** to stop the flow of waste that daily feeds these **strange islands**, symbol of the carelessness with which we have treated our planet up to now.

And there are those who design and dream of the "**Recycled Islands**", ideas for recovering tons of waste by transforming them into usable and ecological floating platforms. **Work (green) in progress...**

*Silvia Cuffaro*



Source: lavaverde.it





Perchè Cambiare?

# Waste Management in the Mediterranean Islands

The **accumulation of waste** on land as well as its **dispersion into the sea** represents a real threat throughout the world.

This is especially true of the small and often unique and **fragile ecosystems of small Mediterranean islands** and their surrounding marine areas. There are particular challenges islands face to transition to more effective and sustainable **waste management practices**, including but not limited to, large variations in waste volume and type from season to season, as well as finite space to store and treat said waste.

For this reason, large institutional and financial firms are partnering with local organizations and taking initiative to find **sustainable solutions** and implement them on pilot sites. With the intention that these solutions will eventually be replicable on many islands throughout the Med

Throughout the Mediterranean, prominent financial and institutional organizations are partnering with local firms to support and promote effective and sustainable waste management practices





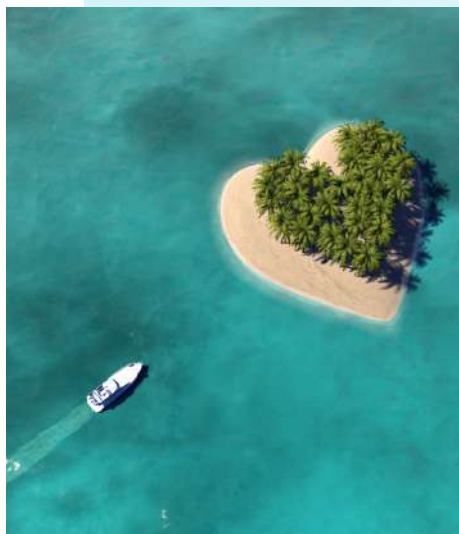
Perchè Cambiare?

# Waste Management in the Mediterranean Islands

One such innovative partnership born from the collaboration of **Prince Albert II of Monaco Foundation**, the **Coastal Conservatory** and local organizations is **SMILO**. **SMILO (Small Islands Organization)** is an NGO governed by French law that aims to support **small islands measuring less than 150 km<sup>2</sup>** that wish to adopt a more sustainable way of managing waste in their territory. With its Pilot program the **Levant Island** and **Lavezzi Islands of France**, the **Tavolara Island of Italy**, the **Kerkennah Island of Tunisia** and the **Sazan Island of Albania** are pioneering the implementation of sustainable waste management systems.



Fonte: Small Islands Organization



The **objectives** are broad, such as reducing output, and **improving sorting and disposal**, but the solutions are concrete, **SMILO** provides not only **technical and financial support** to deal with waste-related issues and strengthen their policies for sustainable integrated land management, but also provides the islands with **social programs** to increase awareness and allow for **feedback** in order to valorize and expand the project to further sites.

*Nicola Costa*



# Make A Change - Sungai Watch

Perchè Cambiare?

Our oceans and rivers are suffocating under the weight of **plastic** that pollutes our waterways indiscriminately and destroys the local ecology. FMCG companies and tourists are among the highest contributors to the massive plastic **pollution** problem brought about through the growth in tourism over the last 10 years especially in more exotic locations worldwide such as, **Bali**, Indonesia.

A quote from Sam one of the co-founders of "**Make A Change - World**"

"Every second breath comes from the ocean, it is the lifeblood of our planet and we can no longer stand by and watch as we are destroying our most precious resource. Plastic has become one of the most produced man-made materials and it is everywhere. Plastic waste is quickly accumulating around the globe in cities, in landfills, on some of our most pristine shorelines, in the open sea and even in the deep sea.



If we don't stop our consumption habits, by the year 2048, there will be more plastic in the ocean than fish. And as of today there are already more micro plastics in our ocean than stars in our galaxy. It's affecting our water, our corals, our marine life and our health. Studies have found that close to 95% of seabirds are ingesting this ocean plastic and researchers have found plastic in rain samples and in the air that we breathe around the world."



# Make A Change - Sungai Watch

Perchè Cambiare?

"**Make A Change** " is more than just an environmental media outlet that uncovers uplifting and inspirational stories on a mission to do good. They have created **innovative ways** to drive awareness as well as several recycling projects to turn trash into cash, to benefit the local communities and the ecology.

Founded by **3 siblings Kelly, Gary and Sam**, they have been at the forefront of the environmental battle for 10 years. They focus on getting plastic pollution on front-page-news and getting the world to know about the urgency to act now.

For the past 10 years, they have grown their operations to become a full-time media outlet and **environmental organization**. The Make A Change videos that they produce have garnered over 600 million views across social media and their projects have included: "Sam" running across the US with **up-cycled plastic shoes**, covering 23 miles a day from NYC to L.A a distance of 3055 miles. His **mission**, to raise awareness about the growing problem of plastic pollution in our oceans. And other projects such as traveling down the world's most polluted river on plastic-bottle-kayaks, which inspired Indonesia's biggest mass clean up.



In all of their travels, they have seen the detrimental effects that plastic is having on communities and the environment. In 2020 they launched **Sungai Watch**, a river cleanup program to stop plastic in rivers before it enters the ocean. They have a team working on developing affordable and replicable solutions and deploying them in our waterways, where trash can still be intercepted.





# Make A Change - Sungai Watch

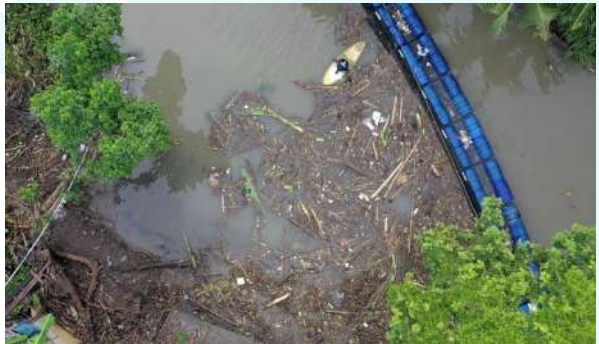
Perchè Cambiare?

"We believe that the best solutions need to be as affordable and as localized as possible for them to be massively scalable. At the rate that we are destroying our planet, we believe that **no idea is crazy enough to protect it.**"



**Sungai Watch** is a community river cleanup organization that has the mission to protect the waterways, starting in **Bali, Indonesia**. Between August and September of 2020, they have collected 5.2 tons of trash and have been developing and testing **simple trash barriers** to prevent plastics from entering the ocean. They have also partnered with the Indonesian government to implement mass cleanups

However the team at **Sungai Watch** wanted to take this opportunity to **analyze the trash** that they collected and discover what they were collecting, and which companies were producing the different types of plastics. The data collected would be distributed in a detailed report and sent to the companies producing the plastics in order to make them aware and hold them accountable or at the very least perhaps these companies would re-think their packaging strategies for FMCG goods





Perchè Cambiare?

## Make A Change - Sungai Watch

The most prevalent type of plastic collected in the rivers of Bali are **plastic bags** which accounted for 18.5% of all the trash throughout the cleanups. Interestingly the biggest polluter of branded plastics found in the region is Danone Aqua and as mentioned by segmenting the brands of trash it will help raise awareness amongst the offending companies.



The team at **Sungai Watch** deployed a **3 phase strategy** to achieve their mission goals, **river cleanup - collection, Pre-sorting and Brand audit**. In the Pre-sorting phase they separated between residual waste and recyclables and assisted by their partner **ecoBali waste management** they verified each category according to the current Indonesian standards. These categories include: plastic bottles, straws, plastic bags, sachets, glass, metals, plastic cups, tires, paper/cardboard, styrofoam and hard plastics/HDPE.

Phase 3 of the sorting is to **identify each distinct category** by brand and they do this to better understand which brands are the biggest polluters. The project then provides the **report** to the brands in the hopes to open a dialogue and to increase collection points with the ultimate goal of preventing the plastic pollution entering the rivers in the first place as well as the hope that they will rethink their product packaging altogether.





# Make A Change - Sungai Watch

Perchè Cambiare?

An analysis of the overall waste collected produced interesting results which are not to uncommon world wide. 65% was residual waste which includes **textiles, construction materials, sanitary and organic waste**. Interestingly as much as 30% of the residual waste is in fact sand and soil which traps the waste and adds to the reduction of the river waters ability to flow freely. Compounding the plastic pollution problem by creating miles and miles of stagnant rivers, inevitably affecting the local ecology as well. They also found that 35% of the waste collected was indeed **recyclable** and they have put this waste to good use in developing a range of river barriers that help collect waste as well

**"No idea is crazy enough to protect our planet"**

**Jonathan Finberg**

In conclusion the team at Sungai Watch made the following **main observations** which when you think about it, at a macro level are relevant worldwide.

- We need **scalable solutions to deal with waste** and we need to find or invent ways to upcycle river waste that will otherwise make its way to the oceans.
- We need a **radical shift** in the way that waste is regarded on a local level. It can no longer be seen as just garbage, but all waste should be seen to have intrinsic value.
- Increase **collections and cleanups** exponentially at the community level.
- Call on all corporations responsible for the **packaging** to start implementing recovery schemes to offset the pollution they are inadvertently creating.
- **Education in communities** at grass roots level, with options for living a plastic free life and it can be done today.

Relevant links:

<https://makeachange.world/>

<https://makeachange.world/sungaiwatch>

*Jonathan Finberg*

# Nautica Green



Rudder of  
innovation

OYour green Experience

## Towards an eco-sustainable nautical world: Mercury is nominated Green Masters for the 10th year in a row

While we see that the whole world is slowly moving towards **sustainable mobility** and the OUN has launched a huge project called **SDG (Sustainability Development Goals)**, many governments, both nationally and locally, have planned to **reward companies that respect the environment**.

Wisconsin, the state where Mercury Marine is headquartered, also has its own program, called the **Wisconsin Sustainable Business Council (WSBC)**, which presented the results of the **Green Masters Program 2020**, where at the top of all the companies examined for their attention to eco-sustainability, there is **Mercury Marine**. The company was awarded a Green Masters designation for the **10th consecutive year** for its commitment to **reducing pollutants** in production processes. The goal is to contribute to an increasingly eco-sustainable nautical sector.

Mercury Marine has once again been awarded "the Green Masters designation by the Wisconsin Sustainable Business Council". Her commitment to eco-sustainable boating, and more, has given her the best score



The **Green Masters Program** measures the results of companies in **a number of sustainable categories**, from energy and water conservation to waste management, to community awareness of green issues and education. But not only: companies are evaluated in the aspects related to transport, supply chain, workforce and governance.

In order to obtain the Green Master designation, in the year 2020, Mercury, has continued to expand the **energy efficiency** and **eco-compatibility** of production operations for environmentally friendly boating.



Source: [motorifuoribordo.org](http://motorifuoribordo.org)



## Towards an eco-sustainable nautical world: Mercury is nominated Green Masters for the 10th year in a row

**Initiatives** include: modernization of heating / air conditioning / lighting systems, containment of compressed air systems, optimization of power cycles for machinery and infrastructures, reuse of heat generated during production, improvement in the lighting use project natural and passive heating.

As per the aspect most linked to **eco-sustainable nautical industry**, with outboard engines, according to WSBC in the last year the company has produced engines with improved **fuel efficiency** and **lower emissions**.

This means that, every new Mercury engine sold to replace an older one, brings about an **improvement in the environment**. It is not enough for the goal of a real **green yachting**, but it is a further step.

Finally, in 2020, Mercury also launched **plans to derive energy from renewable sources**.

*Michele Chiesa*



Source: Boatmag.it

# Photovoltaic onboard

A topic of great interest to sailors is considered to be: "the **energy independence**". Being autonomous means being able to stay at sea for longer without having to enter crowded summer ports.

On board, **energy** is consumed to illuminate, to cool and store food, to power navigation instruments, the autopilot, on-board electronics. Major consumers of electricity are the windlass, the autoclave, the water maker and the radar.

Boat's energy production depends on **various possible sources**: the most important is certainly the alternator placed on the engine, which if powerful and well calibrated, is able to provide a lot of energy quickly. Autonomous diesel or petrol generators are also powerful and effective.

The production of energy onboard depends on sources that are usually polluting, noisy and consuming fuel.



However, these energy sources have the defect of being **polluting, noisy and consuming fuel**. For this reason, at least as an integration, **other energy sources** have been developed, which do not require fuel and are therefore **renewable, quieter and less polluting**. This category includes **solar panels**, which use the energy produced by the sun.



Source: robbreport.com

# Photovoltaic onboard

But, what types of photovoltaic panels exist for the nautical sector?

We can basically identify three types of panels: **the mono-crystalline ones, the poly-crystalline ones, the amorphous ones.** They differ considerably in cost, energy yield, characteristics.

To resume we can say that:

- **Mono-crystalline photovoltaic panels** are the most expensive and have a high energy yield. They are recognized because they consist of numerous pure crystalline silicon cells. Despite their effectiveness, they have some limitations: if a cell is in the shade, the energy yield of the panel drops drastically, they also require an accurate orientation towards the sun's rays and work less well at high temperatures. These panels have a yield that can range from 13 to 20%, But the cost is sensible
- **Poly-crystalline photovoltaic panels** are more inhomogeneous with crystals oriented in different directions. They cost less than mono-crystallines but their energy yield is lower, around 13%. On the other hand, high temperatures, partial exposure and shaded areas suffer less.
- **Amorphous photovoltaic panels** are very thin, and inexpensive, but their yield is much lower than the others. They produce energy even when exposed to diffused lighting. They are very practical for flying use, but to provide enough energy they must necessarily have a larger surface.



Source: cleantechnica.com



Monocristallino



Policristallino



Amorfo



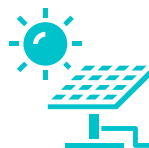
Source: alwayson-srl.it



# Photovoltaic onboard

How much **energy** can a **photovoltaic panel** provide?

Depending on the **surface** and on the **number of cells**, the panels are characterized by a certain number of Watts. To know the amount of energy that can be produced, just divide the Watts by 12, which are the Volts used on board. For example, a 60W panel could theoretically produce 5Ampere/h. Unfortunately, this is true only for a perfect exposure to the sun at Azimuth. With the increase in the angle of incidence that occurs at sunrise or sunset, or at lower latitudes, production drops a lot. In a schematic way we can calculate a production of about 60% of the theoretical. To go back to our example, the 60W panel will produce about 3 Ah for 10 hours a day in the summer: we can therefore count on about thirty AH entering our batteries.



What **photovoltaic panel** should we buy for **our boat**?

This depends on our **energy consumption**, on the **capacity of the batteries** we want to recharge, on the **availability of surfaces or supports** to fix it. Before proceeding with the choice, it will be necessary to make an estimated calculation of onboard consumption, which can change a lot depending on the type of lamps used (LED, neon or incandescent), the electronics in use, day or night navigation, the working hours of the autopilot, refrigerator, radar, radio, stereo, etc.

If we make occasional use of the boat, let's say for example only over the weekend, using an efficient refrigerator for about 6 hours, the pilot for 3 hours, the radio for 1 hour, the mooring light for 8 hours, the instruments for 8 hours, we can estimate a consumption of about 100AH. A 40W photovoltaic panel has an actual average production of 2AH. In 10 hours 20AH will enter the batteries. So, in the days from Monday to Friday, we will have accumulated the 100AH needed for the weekend.

Source: Berths online blog

*Michèle Chiesa*



Source: newatlas.com

## Why is cork better than teak on a boat?

There are several alternatives available on the market that can be used instead of classic teak onboard a yacht: **synthetic teak** and **cork**. To verify how pleasant, safe and livable the deck of your boat covered in "**cork for specific marine use**" can be, there are various methods: you can try walking, barefoot and with shoes, on this material; when the floor is dry and when it is wet, and try to stay barefoot when the sun is hot. Cork is certainly the product has the least environmental impact: it is natural, unlike synthetic teak and, unlike natural teak, does not involve the felling of trees, but only their "peeling".



100% natural,  
heat-insulating  
and stain-  
resistant. Cork for  
marine use is a  
conscious choice

Nevertheless, **Cork**, is a particular type of oak that grows in the Mediterranean basin (and therefore also **less impacted** as regards transport) that is cyclically **peeled** in an artisanal way.

Furthermore, unlike classic teak, there are **no illegal corks**: while in Europe it is not possible to sell and use teak from Myanmar - unfortunately, a year ago, two well-known British shipyards were accused by the "**Environmental Investigation Agency**" (EIA), of building yachts with illegitimate teak from the Southeast Asian country.

## Why is cork better than teak on a boat?

**Cork** is perfect as a coating even when wet, because it is **anti-slip**, and therefore can also be used on the **poolside**. It is also a very **light material**, which also makes it suitable for **racing yachts**: 2.7 kg / m<sup>2</sup> against 4.5 for a good synthetic teak and up to 9 kg / m<sup>2</sup> for a 2 cm thick natural teak.

On top of this, Cork, is an excellent **thermal insulator** therefore, not only anyone can walk barefoot in every season of the year and at any time of day, but as well this helps to **keep the temperature constant inside the boat**, adding to the advantage of less need for winter heating and summer air conditioning. This reduces the environmental impact of yachting and leads to a more conscious use of resources.

It is important to add that a **teak-covered deck requires some precautions**, such as wetting the area around the fuel inlet cap with water, to prevent any splashes of diesel from damaging the surface, or having to intervene when sunscreens, splashes of wine, sauces, oil, coffee or other drinks with a strong coloring power, end up on the coating, to avoid the appearance of indelible halos.

**Corks**, also permits, thanks to its prerogative of "low water absorption", to guarantee the **anti-stain properties**.



## Why is cork better than teak on a boat?

**Elastic and resistant**, cork, in addition to maintaining a long duration over time, **does not mark or dent** in the event of impacts and falls of heavy objects. It does not require the maintenance that teak requires: **it is unalterable over time** and even resists hydrocarbons and ethyl alcohol, water, insects, and rodents. Thanks to its substantial **impenetrability** to various substances and products, a **superficial cleaning** every 10 days is sufficient.

Source: Press mare

*Michele Chiesa*





# Ultrasonic Antifouling

The growth of **barnacles and weeds** on objects submerged in water for prolonged periods of time is almost inevitable. In the case of vessels such as barges, ships and yachts, these growths, called **fouling** can heavily impact their performance and profitability. The **maximum speed** of a ship **decreases** as its hull becomes fouled with marine growth, and its **displacement** increases, each leading to higher fuel consumption. Additionally, some types of marine growth, such as **shipworms**, can bore into the hull causing severe damage over time. Ships with fouled hulls may also unwittingly transport harmful or **invasive marine organisms** to other areas.

**Ultrasonic Antifouling may be the first ecofriendly solution to an age-old problem**



In order to prevent this problematic growth of algae, barnacles and slime, the maritime industry has implemented the use of **antifouling paints** that release **biocides** through the paint surface, which by necessity, are toxic. These can cause secondary environmental damage if the biocide does not quickly degrade after release. Many **antifouling biocides**, such as **mercury and arsenic** have already been widely banned, and others, including **copper**, are coming under scrutiny. However, antifouling is an **essential preventative measure** that all commercial, military and leisure operators use to maintain smooth, fouling-free surfaces which reduce running costs and extend service intervals

# Ultrasonic Antifouling

The dilemma, of how to reduce the environmental and financial impacts of hull fouling, without unwanted secondary environmental impacts caused by current methods may be solved with **ultrasonic antifouling**. By using **sound waves**, ultrasonic antifouling can **prevent the growth of algae, barnacles and slime on boat hulls and interiors**. Ultrasonic systems do not rely on chemicals that can harm fish and mammals or pollute the air, and they can **reduce expensive vessel lift-outs for scraping and high-pressure cleaning** as well as the subsequent disposal of poisonous wastewater.

*Nicole Conte*





# New Habits



It is time to veer

OYour green Experience



Nuove Abitudini

# The Garden comes back onboard

Did you know that a **"small vegetable garden"** was often set up on the stern castle of the ancient sailing ships, in an area protected from the winds and illuminated by large windows?

A real **"garden"**, where the crew could grow a minimum number of fresh vegetables, essential to prevent the effects of scurvy, a disease caused by a prolonged lack of vitamin C and of which many navigators had died in the past. Vitamin C, being a very volatile vitamin, must, in fact, be taken by consuming the right amount of **fresh vegetables and / or citrus fruits**.

It was **"James Lind"** "Member of the Royal Navy" from 1739 to 1748 and physician at the "Royal Naval Hospital in Hasler", a scholar of **naval hygiene** and **preventive medicine**, who first understood the correlation between fresh vegetables, vitamin C and scurvy. His discovery was ignored for almost forty years, but in the end, fresh vegetables and citrus fruits became an essential part of the ships' galley.

Even today, among the gait of the sailing boats we find that **"in the garden"**, when the boat receives the wind from the stern, slightly shifted to the right or left, (with an angle between 160 ° and 180 °).



So why not **"rediscover the garden"**? It can be adapted to modern cruising requirements in order to give a pinch of "freshness" to the dishes consumed on board!

For example, you can use **mini-green houses** to be installed in a square or, if the kitchen area and the square are very bright, you can directly use **small pots** where you can plant seedlings of **aromatic herbs** such as thyme, marjoram, basil, rosemary but also chilli, chives and many others.



Nuove Abitudini

## The Garden comes back onboard

Also very useful, can be the "**Aloysia Citriodora**", commonly referred to as "Luisa Herb": an aromatic plant with very interesting phytotherapeutic properties. Utilized in an infusion together with essential oil, it has relaxing, digestive, anti-spasmodic and febrifugal properties.

Its pleasant lemon aroma does not cover, but enhances, the **flavor of food**. It is perfect for fillings, to flavor fish dishes, but also in salads and to give an "extra touch" to fruit salads and ice cream! It is often used to prepare jellies, jams, fruit cakes and aromatic herb liqueurs.

In short, a real "**passepartout**" to keep on board to give freshness and fragrance to your dishes!

Good wind ... **To the garden!**

*Silvia Cuffaro*





Nuove Abitudini

## Traveling with essential oils

Have you ever thought that **essential oils** could be used to reduce symptoms related to **motion sickness**? As always, nature comes to help and often with a few drops of essential oils it is possible to reduce and counteract the annoying ailments related to what is commonly called "movement sickness" in our case "**Sea Sickness**"!

Sea Sickness can cause symptoms such as headache, nausea, vomiting, profuse sweating, tremors, which some people perceive during movements with a rhythmic and / or irregular pattern.

The symptom seems to be generated by a transient imbalance of the neuro-vegetative system: the information which comes from the visual field, gets in contrast with the information received from the **balance receptors**.

Many people give up the pleasant experience of **cruising** because they find it difficult to stay on board the boat. Some feel the disturbance only during navigation, others even when the boat is stationary.

A very effective **remedy** especially for nausea, can be found in ginger essential **oil which has**, among its active ingredients, **gingerols**, which are dominant pungent substances (that especially in fresh ginger) make it becoming something particularly effective for problems related to the digestive system.

Sometimes it will be enough to inhale the aroma to quickly get away with the travel sickness.

**Ginger essential oil: a valid help from nature to counteract the annoying disorders related to motion sickness or movement sickness**





Nuove Abitudini

## Traveling with essential oils

Another interesting essential oil is **Lemon essential oil**. Especially suitable for children (as it is less strong than ginger) to be used for inhalations or environmental diffusion (on the skin it is **photosensitizer**).

**To use it at its best, you can put two / three drops of essential oil on a cotton gauze and inhale or you can use the special diffusers.**



We remind you **to use essential oils with care and sparingly** because by being very concentrated extracts, **very few drops are enough** to have a great effect! The advice also, if you are not an expert, is to use one essential oil at a time without mixing them together.

Have a nice trip !!!!

*Selma Ciuffreda*





Nuove Abitudini

# All crazy about the Water-Bike!

Let's forget the dangers related to the road, let's think back to cycle tourism, let's try an innovative sport thanks to which we don't have to choose between water and pedals: the new trend is the **water bike**.

In the last issue of **OYour Green Experience**, we told you about the electric scooter and its peculiarities for land transport; in this we would like to talk to you about the new trend to cool off, play sports or simply do good for our health: the bicycle that allows us to **ride "on water"**.

**Have you ever thought about pedaling on water? Here are the Water Bike models for all needs**



Source: vaielettrico.it

Among the different models we find the **Water-Bike**, also called floating boat or bike-boat, is a real light high-performance bicycle which, mounted on two special floats, allows you to ride on water. The **models** on the market are different: from the Tandem, followed by the recumbent, single-seater or with passenger, sports, leisure, designed for therapeutic or rehabilitative purposes, **easily transportable and assembled** due to their small size, with a market price from 2,000 to about 4,000 euros.



Source: waterbikeitalia



Nuove Abitudini

# All crazy about the Water-Bike!

The Manta5 company has instead created the Hydrofoiler XE-1, the electric bicycle inspired by the **technology** of the **America's Cup** sailboats. The latest innovation on the market, available at a value of about 8,000 euros, has an aluminum frame 6061-Aeronautical grade TIG welded T6, fully electric, easily transportable and mountable thanks to its modularity. Its **pedal assistance**, which can be increased or decreased according to your needs, allows you to move up to 12 miles per hour. The 460-watt electric motor guarantees up to four hours of autonomy using the lowest level of assistance, the battery with IPX8 classified housing system that is fully submersible and resistant to the force of water and wear quickly.

The stardom of the **Water-Bike** is certainly growing, but it has actually been on the market for several years. For example, in 2018 **Princess Charlene of Monaco** strongly wanted the solidarity sporting event on the Monegasque coasts where great champions including **Felipe Massa, Charles Leclerc, Pierre Casiraghi** traveled 20 km aboard the famous water bikes. Not to mention numerous Superyacht owners who have already chosen to have "**fleets**" of **water bikes** on board available to crews and guests.



Source: fli.com

Well, this year we can choose a whole new and "**sustainable**" way to explore!

*Orange Vi Fo*

# Experiences & Destinations



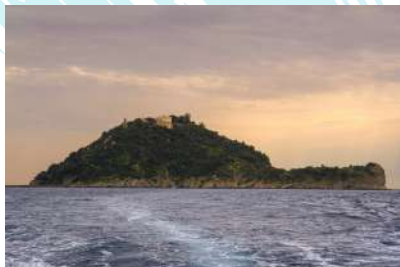
Finding new  
routes

OYour green Experience



Esperienze & Mete

# Gallinara Island: the charm of an (almost) uncontaminated nature



## The Gallinara Island Nature Reserve offers enchanting landscapes

One of the most **fascinating jewels of the Ligurian Sea** is located between Alassio and Albenga, just over 1km away from the coast: the renowned **Gallinara Island** is considered a Site of Community Interest and a **Nature Reserve since 1989** for the biodiversity that distinguishes it.

Its unmistakable shape, reminiscent of a **turtle**, was not enough to coin its name, which instead takes its origin from the **wild hens** that have inhabited the island for centuries, since Roman times.

Its history, in fact, is as ancient as it is fascinating: its depths testify **commercial traffic as early as the fifth century BC**, and then pass to the remains of the Roman era until it became the property of the **Holy See**, thanks to Martin of Tours who landed on the island in search of a safe refuge, hence the name of the monastery "San Martino"

During those years, the Gallinara Island, hosted **saints, popes, monks** and then passed into **private hands** in the mid-19th century; more precisely, it became the property of banker from a town called Imperia, who declared himself the "Lord of the Island". It was during the Nazi occupation, during the **Second World War**, that the two tunnels, still visible today, were excavated, which allowed a 360 ° maritime control.

Uninhabited for years, after its only resident, the historic **caretaker**, lost his life by drowning in the marina, today it belongs to the **Srl Gallinara**, based in Turin, which belongs to a group of Ligurian and Piedmontese families, after the withdrawal offer of 30 million euros by the Ukrainian magnate due the pre-emption right to purchase exercised, on the largest villa in the area, by the **Ministry of Cultural Heritage**.



## Gallinara Island: the charm of an (almost) uncontaminated nature

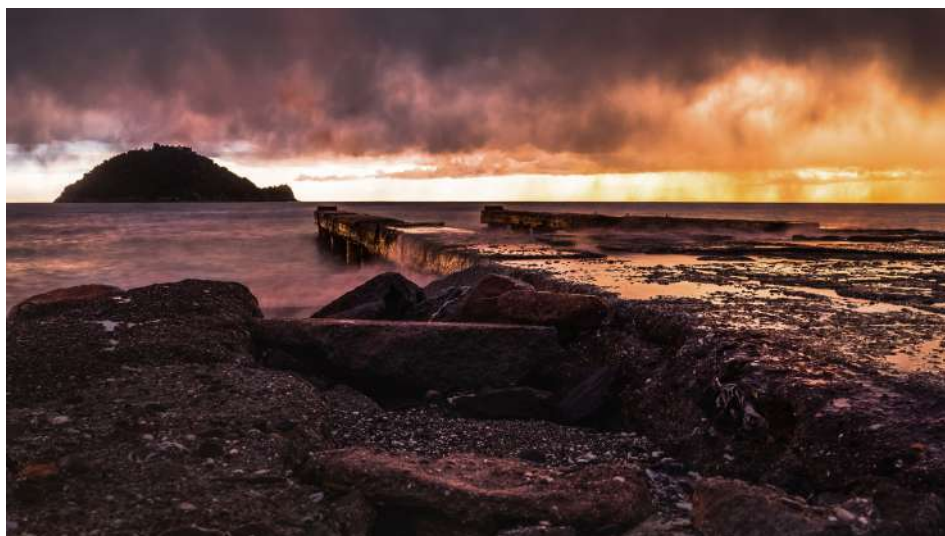
Due to its private nature, it is not possible to visit the island, but already from the sea it is possible to admire its beautiful profile and the few testimonies of man that still remain: the **ancient monastery**, the **watchtower** used to defend the coasts of pirate ships, the **votive chapel** and the **private port** that leads to a little road that reaches the heart of the island.

**COORDINATES**  
**GALLINARA - I.**  
**GALLINARA**  
**44°01',58 N**  
**08°13',52 E**

Its characteristic rugged and rocky coast, offers wild inlets and **mysterious caves** making it a perfect location for diving, even if this activity was initially prohibited due to the presence of **unexploded war devices on the seabed and a wreck of the 18th century**. Today there are two of the most famous **diving spots**: the most famous Punta Falconara where you can admire the submerged statue of Christ the Redeemer, placed on September 29, 1989 and Punta Sciusciau, where you can find sea daisies and yellow sponges, sometimes even large ones. size.

Finally, we remind you that it is forbidden to transit 50m away from the rocky walls of the island to protect this corner of land and sea that for centuries has contained a charm that is hard to match, **guarding wonders and secrets**, which perhaps will never be completely unveiled.

*Giorgio Di Feo*







Esperienze & Mete

# The Ponente Ligure Cycle Path

The Ponente Ligure Cycle Path, 24 km giving us a breathtaking sea view and unique panoramas.

Built on the former railway line that connected Genoa and Ventimiglia and chosen as the first stop of the Tour of Italy in 2015, the Coastal Park of Ponente Ligure allows you to fully experience the coast and its suggestive landscapes close to the sea.

As per today, the cycle path is 24 km long, from San Lorenzo al Mare to Ospedaletti, crossing 8 municipalities in the Province of Imperia.

The picturesque and famous Ligurian villages such as San Lorenzo, Santo Stefano al Mare and Riva Ligure are crossed by the cycle path, but also world-famous locations such as Sanremo - known for the events it hosts since the early 1900s (the Italian Song Festival and the bicycle competition Milan-Sanremo).



Source: riviera.it

Where the sea and the hills frame a picturesque Ligurian postcard



Source: pistaciclubile.com

By the end 2021, the cycle path will be extended to Diano Marina, and will then become one of the longest and most beautiful cycle paths in whole Europe.

Along the way it is possible to meet refreshment points, often overlooking the sea, where people can relax and refresh in "corners of paradise". Furthermore, the track is easily accessible from all ports and marinas and being near all inhabited centers it is possible to find kiosks and gazebos where it is possible to comfortably rent bicycles (electric or traditional), scooters, rickshaws and rollers for all tastes



Esperienze & Mete

# The Ponente Ligure Cycle Path

The cycle path is certainly a stop of interest for all tourists or residents as its breathtaking view is capable of giving unique emotions, especially at **sunset**. Furthermore, the benefits on our **health and the environment** should not be underestimated, as it allows not only to move easily but as well to visit and discover different villages and cities with **zero impact** and relax.



Source: residenceoliveto.it



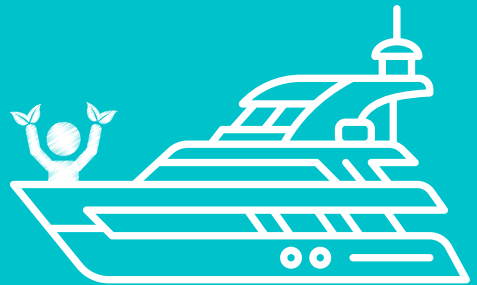
Source: turismodianomarina

On the website of the cycle path [www.pistaciclabile.com](http://www.pistaciclabile.com) all the suggested itineraries can be found, for those who want to discover the **Riviera dei Fiori** and all the curiosities related to its pedestrian path: such as the possible connected trekking routes, the characteristic events of the Ligurian towns and the curiosities that characterize the Cycle Path as in the Capo Nero tunnel, dedicated to the "Spring Classic" where Tweets are presents and phrases celebrating the most beautiful one-day race ever: Milano- Sanremo.

Still doubting? **The Ponente Ligure cycle path** is waiting for you!

*Orange Via For*

# Super Yachts



Beyond any  
limit

OYour green Experience

# Tankoa M/Y SOLO a true Technical Marvel

Italian yacht maker Tankoa's 72-m Solo, is the most efficient yacht in recent history and one of the most ecofriendly super-yachts today. She has been awarded the 2018 RINA Green Plus Platinum Award, a Yachts Trophy for the most efficient large yacht, and the Game Changer Award at the 2019 Design and innovation awards. Solo is powered by two conventional heavy-duty Caterpillar 3516B motors and burns only 195-liters per hour at 10,5 knots giving her an outstanding 7,000+ nautical miles range. The main engines are equipped with Eco Spray SCR (Selective Catalytic Reduction) which removes nitrogen oxides from diesel engine exhaust gases, significantly reducing emissions. This innovative yacht is also equipped with specialized HUG soot burners which reduce soot by 99% greatly reducing the vessels carbon footprint, but also allowing guests to enjoy clean outdoor spaces without the sight and smell of soot that traditional diesel engines emit

Italian Yachtmaker Tankoa, is on the cutting edge of ecofriendly design, showcased by its 72-meter beauty, Solo



Source: Barche magazine



Source: Megayachts News



# Tankoa M/Y SOLO a true Technical Marvel



Source: Liguria Nautica



Source: Liguria Nautica



Source: Liguria Nautica

Solo also complies with the **B5th rule**. Which means its fuel tanks do not exceed 36-cubic meter each and build structurally at 1/5th of the maximum beam from the hull sides to avoid spillage risks in case of collision.

Although the **Solo** was designed with low carbon emissions in mind it is also equipped with a CO2 monitoring system allowing real time, and situation specific CO2 emissions data, which allows the captain to find the 'sweet spot' in terms of speed in order to keep emissions at an absolute minimum.

**Tankoa's design** of the M/Y Solo is on the cutting edge of '**Green**' Yachting technology, reducing environmental impact and improving guests overall experience aboard. This high tech, eco-friendly superyacht truly is singular, but could serve as a model for future **sustainable yacht design**.





# The Superyacht industry moves toward sustainability

Yacht builders have recognized the urgency to reduce their ecological footprint and share a desire to establish a collective to accelerate the shift towards sustainability. From this desire, Feadship and eight other founding partners have created The **Water Revolution Foundation**. The aim of the WRF is to neutralize the footprint of the yachting industry and preserve the world's precious oceans. CEO Henk de Vries and partners have made sure there is at least 10 years of solid funding for the organization to accomplish real results.



De Vries has stated that, while the shipping industry aims to stop emissions by 2050, Feadship wants its yachts to be zero-emission by 2025. This, however, is not limited to propulsion, power and emissions, they also seek to trace all materials used in the design and building process to their source. The **superyacht industry** is beginning to ask questions such as, what kind of electricity powers the plants where the steel and aluminum are purchased from, and are the woods used from certified plantations implementing sustainable farming methods?

Industry heavyweights are prioritizing sustainability to leading the movement by example



Another way the Foundation looking to make lasting changes in the superyacht industry, is by establishing systems that **mitigate the impact end-of-life boats** have on the environment. It seeks to create a viable business model that considers the huge amount of labor needed to dismantle a vessel into usable materials. It is looking to create synergies with other industries such as furniture and automotive, in order to give the **recycling initiative** large enough scale.

A shift toward sustainability is necessary at every level of the yachting industry, and through innovation and leadership The **Water Revolution Foundation** and industry leaders are showing the way.

*Visual Context*

# Events & Media



Stay tuned –  
not only via  
VHF

OYour green Experience

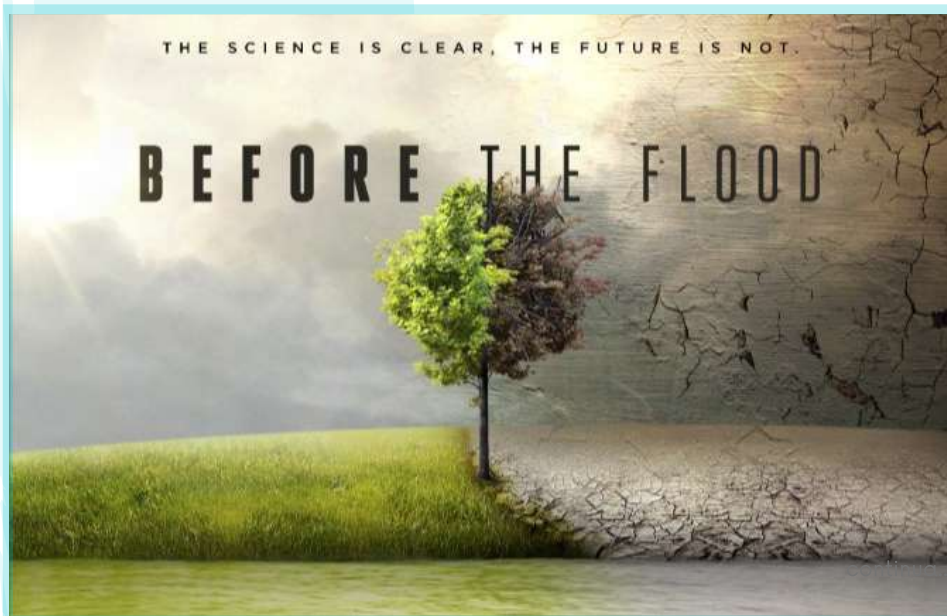
## "Before the Flood" - Point of no return - Leonardo DiCaprio's documentary on global warming and its effects on the Earth

"I just want to know how far we've gone and if there's anything we can do anything to stop it"

The meaning of this documentary by Leonardo di Caprio on climate change is contained in this sentence.

"Before The Flood" is a 90-minute documentary on the **causes and effects of environmental disasters** that are jeopardizing the protection of the planet. Released in 2016, shot in collaboration with **National Geographic**, in addition to exceptional images and videos, it contains interviews with scientists, heads of state, entrepreneurs and political figures.

"Before the Flood" has **DiCaprio** as the only protagonist, who travels the world to tell how global warming is changing the Earth, what its causes are and what we can still do to reduce its effects. The documentary took about three years of work, and is directed by **Fisher Stevens**, actor and producer of "The Bay where Dolphins Die", a documentary that won the 2010 Oscars. **Martin Scorsese** also participated in the project as executive producer.



# "Before the Flood" - Point of no return - Leonardo DiCaprio's documentary on global warming and its effects on the Earth

"Before The Flood" is a documentary to raise awareness on **climate change**.

The actor takes us among the melting glaciers of Greenland, the incinerated forests of Indonesia, the flooded coasts of Florida to the smog and traffic clogged metropolises. Meanwhile, he tells us, through images, meetings and interviews, how and why climate change is destroying our planet. He confronts scientists, activists and leaders from all over the world - from then US President **Barack Obama** to US Secretary of State **John Kerry**, from Tesla founder **Elon Musk** to **Pope Francis**, through **Bill Clinton**, **Ban Ki-moon** and **Sunita Narain**, from whom he asks for opinions, advice but also the reasons why politics is continuing to ignore the urgency of a radical change.



Here are the main points highlighted:

## 1 - The Arctic.

The areas of the Arctic, with their equilibrium, determine much of the climate of the Northern Hemisphere of the planet. Glaciers are melting, they are changing their color due to the presence of substances introduced by man (methane). Ecosystems are damaged, flora and fauna are in grave danger. Greenland is destined to disappear. With the melting of its ice it will cause the rising of the seas in various parts of the world (including Florida, home of DiCaprio)

There has been talk of climate change for at least 50 years. 97% of climatologists agree on the sudden warming of the climate (without similar precedents, according to the data available to us) but not all politicians are yet willing to engage in a scientific debate on the climate.

# "Before the Flood" - Point of no return - Leonardo DiCaprio's documentary on global warming and its effects on the Earth

## 2 - China

China is the country that pollutes the most in the world, having overtaken the United States of America. People experience climate change on their skin every day, suffer from pollution, are informed. And it is putting pressure on the government to move towards the use of clean, renewable energy.



## 3 - India.

It is the third largest producer of electricity in the world but **less than 70% of its population has access to electricity**. Cow manure and charcoal are the cheapest sources used for cooking. They too are experiencing the ongoing climate change and do not deny it: the water, which usually falls in 6 months of rain, spilled to the ground in just 5 hours, completely destroying all types of crops.



## 4 - Kiribati and the submerged islands.

Kiribati is sadly known for being the place from which the first climate refugees in history left: the pollution of the seas destroys corals and marine fauna, decreases the catch and people are left without food and homeless, swept away by typhoons and Hurricanes.

## 5 - Sumatra.

Together with the Amazon and the Congo they are the last large rainforests left on Earth. And, together, they are the areas most damaged and impoverished by the new palm oil monocultures, which reduce the forest, pollute with continuous fires, kill populations of tigers, elephants, rhinos and orangutans. 80% of the forests are now destroyed due to our new eating habits.



# "Before the Flood" - Point of no return - Leonardo DiCaprio's documentary on global warming and its effects on the Earth

**Beef** also deserves a separate discussion: more than half of the soil in the U.S.A. it is used to grow vegetables to be given as food to beef cattle and only 2% of the soil produces vegetables for human consumption. A great economic, ecological, ethical contradiction.

Furthermore, an example of all those mentioned in the documentary is that of methane produced by the livestock industry, which is one of the major causes of pollution in the world. If citizens decide to change their eating habits, they would contribute to a huge reduction in harmful emissions into the atmosphere.

According to Di Caprio, economic interests and the capitalist model make real change impossible. It is difficult to imagine a turnaround in a landscape where **oil** lobbies continue to dominate and where power deals continue to drive systems.



Source: Cosmopolitan

However, this does not mean that nothing can be done and that the only hope for the planet is a political revolution that undermines the world's economic and financial systems.

Much of the **responsibility** also lies with the citizens. Power is in the hands of the people and it is public opinion that influences politics.

People are **informed and sensitized**, but they must commit to changing their lifestyles, to put ever greater pressure on those who govern in order to arrive at environmental policies capable of saving the planet, nature and man himself from the next mass-extinction.

Source: Il post.it - Green.it - Curiosa di natura blog

*Michele Chessa*



Eventi & Media

## The book: Plan B 4.0

A **book** that fascinates and provides a concrete solution for a sustainable revolution based on **four "simple" objectives** to be achieved:

**"it is possible to build an equitable and sustainable global society that can restore hope to everyone", A hope which was never needed, more than today.**

1. **lower CO2 emissions** by 80% by 2020,
2. **stabilize world's population** below 8 billion,
3. **overcoming poverty**
4. **restore** the health of ecosystems

**L. Brown** also provides us with the precise **recipe** to achieve these ambitious goals, the **ingredients** of which are all at our disposal and are economically and logistically sustainable. To name a few, we start from the increase in energy efficiency and the use of renewable sources, the adoption of low-polluting transport systems and more effective agricultural techniques, reforestation and the development of eco-sustainable materials, the introduction of environmental taxes and the reduction of labor costs.

According to calculations of the American scholar, the funds needed to provide basic assistance and restore the planet would amount to **less than 1/3 of the budget used by the US for military purposes and just 13% of world war expenditures.**

Everyone's participation in this revolution is therefore indispensable, adopting **sustainable lifestyles** because "the question to be solved does not concern what must be done, since this is quite clear [...] The challenge is how to do it in time.

*Luigi Di Feo*



Source: Alternativa sostenibile - Recensione: S. Panzeri



# Red Coral

**Coral reefs** are among the most endangered ecosystems on the planet. More than half of the world's coral reefs are estimated to have disappeared as a result of **climate change, overfishing and increasing pollution** pouring into our seas.

The establishment of the "**Global Reef Fund**" is an important step towards the protection of these ecosystems.

The **GFCR** is a blended funding mechanism that will use public and philanthropic funds to catalyze private investment in coral reef conservation and restoration.



The **Prince Albert II of Monaco Foundation** and the **German Paul G. Allen Family Foundation** have recently made important financial commitments towards the **Global Coral Reef Fund (GFCR)**, marking the launch of a fundraising campaign that will culminate on the occasion of **COP26 (United Nations Climate Change Conference)** in Glasgow in November 2021.

These initial contributions will be used to make the fund operational, develop a pipeline of eligible projects and implement the first projects. The GFCR Board of Directors reviewed and provided initial guidance on programming priorities at its inaugural meeting which ended on January 28, 2021. (source Prince Albert II Foundation website).

A step forward in the conservation and restoration of this important resource of our planet. For more information, please consult the **Price Albert II Foundation** website: <https://www.fpa2.org/home.html> and the **GFCR** website: <https://globalfundcoralreefs.org>



Eventi & Media

# Venezia boat show 2021

Preparations are already underway for the **Venice Boat Show 2021**, with organizers announcing the event will take place from May 29-June 6.

The **Arsenale** will showcase the best of Italian and international boating for nine days. To date about 130 exhibitors have registered, and there is expected to be over 150 vessels in the water. The marina consists of 50.000 sq. meter water basin, 30.000 sq. meter of outdoor exhibition area and 10.000 sq. meters of indoor pavilions completed with over 1.500 linear meters of water pontoons.

This year's event will be the second annual event, since the 2020 show was cancelled due to COVID-19 complications. One of the three main in-depth topics for this edition will be **sustainability and environmental impact**.

Since this year there will be a specific focus on environmental yachting and **hybrid propulsion systems**, the program includes the first **Full Electric regatta** called "**E-REGATTA**". The event will be organized by partners of the show and major ship builders including **IWI-Inland Waterways International** will be putting their vessels to the test in terms of endurance, agility and speed.

**Tradition and innovation, engineering and eco-sustainability will be the protagonists in the 9-day exhibition in the characteristic setting of the Arsenale.**



Source: GTourism.it



Eventi & Media

## Venezia boat show 2021

This year there will also be exhibits 77 Yacht projects from young **EMEA designers**. Lastly, in order to emphasize its devotion to sustainability there will be a dedicated area, called E-Village, created solely for companies involved in the electric and eco-sustainable propulsion sector.

The show falls within the events commemorating the 1600th anniversary of the Foundation of the City of Venice and will be a truly exceptional exposition. Juxtaposing the incomparable history of Venice, symbol of military power and the heart of the shipbuilding industry, with cutting edge hybrid and electric propulsion technology.

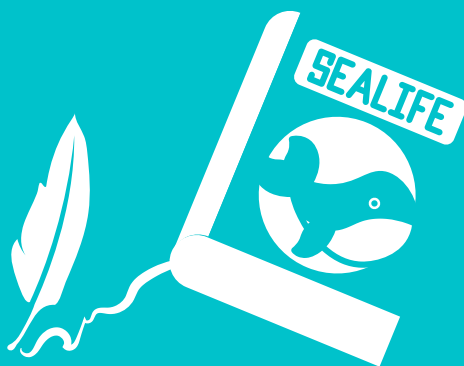
*Nicola Conto*



Source: VenetoNotizie



# Stories from the sea



**Log Book**  
OYour green Expericence

## "Free wheels in the wind"



We could define it this way: "Free wheels in the wind" the activity of the **Handarpermare Association!**

In 2008, **Oceanis Yachts** had the pleasure of delivering a Cyclades 43.3 to the **Handarpermare Association**, a boat with which the adventure of offering disabled people of all ages the experience of sailing boats!

The boat was delivered by our technical service, already equipped in order to facilitate this type of experience on board: such as the removal of the cockpit table and the internal access bulkheads to the cabins, the installation of a wider walkway allowing easy access.

Thirteen years have passed since then, as **Dr. Alberto Prudeniano**, one of the current promoters of the Association's initiatives, tells us today.

From the day of delivery, Alberto explains, countless days, weekends and weeks have been spent onboard by many guests who, always accompanied and followed by at least two experienced sailors, **enjoy the experience of sailing.**

The feeling of having no barriers when driving a sailing boat and the perception of the wind in the silence of navigation are a unique emotion.



Storie di mare

## "Free wheels in the wind"

*"An environment of great collaboration and familiarity is often created, I have been a guest as well several times before joining the organizational team; we have also offered courses as introduction to sailing but it is often the holiday, more or less long, that is the most requested experience. During the holiday everyone collaborates, learns and has fun".*

Alberto tells us that for those who are blind, the feeling of having no barriers when driving a sailing boat and the perception of the wind in the silence of navigation are a unique emotion.

Even for those with mobility problems, the opportunity to savor the experience of the open sea is immensely beneficial and sometimes, with due caution, many can even enjoy a nice swim in the sea!



The Association has launched the crow funding "**Free wheels in the wind**" a few months ago.

The intent is to raise the necessary funds to be able to equip the boat even better by creating a wheelchair locking system and by fixing seat belts on the benches in the cockpit to allow those who can sit down to remain well balanced on board.

Another option that the Association would like to install shortly is a **lift** under the boom that allows for an agile lifting of people to be able to accompany them more easily both below deck and for swimming!

The current health emergency has slowed down the activities and limited the number of participants but we stick with the hope that the next holidays will be more free for everyone, the Association is working precisely to further improve the boat and make it more accessible and usable.

We invite you to visit their website <http://www.handarpermare.it> where if you wish you will also find more information on the crowdfunding project:

<https://www.retedeldono.it/it/progetti/handarpermare/a-ruote-libere-in-the-wind>.

And remember ..... volunteers are also welcome! It is a unique experience for everyone!

*Giovanna Ciallardi*



Storie di mare

# Around the World on a Sailboat: an experience and a thousand ways to live it



Around the world can be an introspective experience, a race, a dream that comes true or that never will, a scientific research or it can even be all of this together.

Going around the world on a sailing boat? A dream that becomes reality only for a few or an opportunity within everyone's reach? There is no single answer to these questions, but what is certain is that the world tour is only dreamed of, perhaps by too many, probably planned by many and carried out by a few and simply calling it "around the world" can be an understatement.

For each one it has a different meaning, and this translates into different ways of making it happen.

The most famous are certainly the **regattas**, which include around the world in total solitary and without stops.

La **Vendée Globe**: a round-the-world sailing trip that starts and ends from the port of Les Sables d'Olonne in France. The competition, in addition to being an exciting sailing challenge, is certainly a very profound individual experience, so much so that it has been nicknamed "**Everest de la Mer**". Second, but certainly not least, the **Golden Globe Race**: the sailing competition that includes the round of the globe, organized for the first time in 1968 by the famous "Sunday Times" newspaper. Both require a great mix of professional and personal preparation.





Storie di mare

# Around the World on a Sailboat: an experience and a thousand ways to live it

A completely different perspective, no less fascinating, is the one of Alessio: a 45 years old, who is looking for companions to make his dream come true: no competition but rather a **world tour** that takes advantage of the favorable winds and currents of the Tropical route, to experience each stage as an opportunity to get to know new cultures and discover new worlds. The search for him, starts with an announcement, on Trip Advisor, a few years ago to recruit travel companions who share his love for the sea and his own dream: to circumnavigate the globe on a sailboat.



The necessary requirements are few: a small budget available to buy the boat, a strong spirit of adaptation and curiosity. Enthusiasm is not lacking, but neither is the organization, in fact, on the website [www.giromondoinbarcaavela.weebly.com](http://www.giromondoinbarcaavela.weebly.com) Alessio shares step by step the three-year project, which we wish him to realize or have realized!

continua...





# Around the World on a Sailboat: an experience and a thousand ways to live it

Finally, to a story that tastes different from the others: “**Shimubi a family at Sea**”.

A **family** with a very clear goal: the departure is known, also the point of arrival (home) and in the middle an exciting journey with the whole family to live and test a different life, the one always dreamed of, onboard their own sailing boat. Will it be around the world? Who knows, we will live this experience step by step with them.



The family, composed by two parents, **Sara and Stefano**, their three children (from 4 to 12 years old) and the dog, has decided to sell their house to fulfill their lifelong dream: to buy a 56-foot Midado from '82, completely refit it and sail for the journey of life.



A shared **passion**, that of the sea, by the whole family, also by Pepper – their little dog, a travel companion who is part of the SICS (Italian Rescue Dog Team). A departure planned for years, postponed by COVID-19 to last October 13th, and which is still strongly slowing down their movements, as per today they are in the Balearic Islands.

What makes their experience even more special is, in addition to the fascinating and courageous decision to live a **unique experience**, it is its purpose: to discover and share what it really means to travel responsibly and **sustainably**. But how?

# Around the World on a Sailboat: an experience and a thousand ways to live it

The presence on board of Stefano "**the nuclear physicist**" and the communication skills of Stefania "**the creative**" who, through the social networks and the dedicated website, tell about the project, the evolutions, the results and the desire to create continuity with the school of their children led to the creation of a real floating laboratory: **the "Floating Lab"**.

The original idea supported by the patronage of the **National Institute of Nuclear Physics, INFN**, and the partnership with Edison Italia has three main objectives:

- The first one involves technology and sustainability: 360 ° monitoring of on-board **consumption** by obtaining assessments and energy balances between production and consumption from renewable sources on the boat to understand the needs of a family living on board or on land. Have you ever wondered "How much water do we consume with a shower?" and "Washing the dishes?" They will, and they will provide us with all the answers on their website and then it will be the youngest members of the family who will be spokespersons for raising awareness on the issue with their peers.
- Monitor, analyze the **microplastics** present in our seas, the debris in the sea and report for large ones
- **Observatory** of cetaceans and reporting of sightings



All constantly updated and shared on social networks and on their website [@sailing\\_shibumi](https://sailing-shibumi.com) [www.shibumi.it](http://www.shibumi.it)

Speaking with Sara, she told us about the most exciting moment of this experience: when on the Magra river, after having given up the moorings, she became aware that, what had been dreamed and planned all her life has just taken life.

What can we say... **good wind to everyone!** Whatever the motivation that pushes everyone into their experience is.... because realizing one's dream is the greatest opportunity that life can give us!

*Change Do For*

## Travelling...in the same direction

The new **eco-Demonstrator** of the **Etihad airline** is about to take off and promises to be the **greenest aircraft in the world**.

It is a **787-10** developed in **partnership with Boeing and NASA** with which, the national airline of the Emirate of Abu Dhabi, plans to offer "**green routes**" to its passengers.

**Etihad** has kicked off the "**Etihad Greenliner**" program, ordering 39 copies of this eco-sustainable and hyper-technological aircraft.



During the test flights in the United States, many tests were carried out to reduce CO2 emissions and noise pollution. The goal is to minimize net carbon emission levels by 2035 and to reach **zero net emissions by 2050**.

An ambitious project but in line with the increasingly current which needs to experiment new solutions that are eco-compatible with the environment.

On the other hand, "the mobility of the future" will necessarily be green. While the most innovative airlines are experimenting, as we have seen new transportation possibilities; trains at this stage of an health emergency are experiencing a real "relaunch".

Transportation of goods and people is responsible for nearly a quarter (24%) of global greenhouse gas emissions. Of these, 75% is generated by road vehicles, 11% each by ships and airplanes, 2% by the transport of raw materials by tube and **only 1% by railways**.

## Travelling...in the same direction

2021 will be the **year of the train**: the **Tee 2.0** project plans to relaunch rail transportation throughout Europe and to put the **Trans-Europ-Express** network back into operation; the railway service that got Europe united until the 1980s.

The idea is to restore the **Trans-Europ-Express (Tee)** network in a modern key, uniting the main European cities, with fast and eco-sustainable vehicles.

"2021 will be the European Year of Railways. The railway makes Europe even more respectful of the climate and the environment" German Federal Transport Minister Andreas Scheuer said in a statement. (source LifeGate).

From **air** transportation to **land** transportation to finally get to **navigation**.

We remind you that is scheduled for 2024 the launch of "**Oceanbird**", the largest ship in the world that will exploit the wind, thanks to special steel sails and that will cut CO2 emissions by 90%.

This concludes the second issue of OYour Green Experience, highlighting how the **change of views** has now touched all fields in the **world of transport**: we are moving more and more in one direction, the **change** we would like to see in our world **takes shape day after day** and we are happy to share it with you

## Thank you so much!



The future depends on what you do today

*Mahatma Gandhi*





Your Green Experience is printed on recycled paper

Second Edition| April 2021