



ENVIRONMENTAL IMPACT REPORT



FREESTYLE PRO TOUR 2023



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2023 SUMMARY



Starboard and the Freestyle Pro Tour measured, calculated and offset the emissions for 8 major windsurfing events in 2023. The events took place in South Africa, Bonaire, Austria, Germany, France, Italy, Switzerland & the Netherlands.



The Freestyle Pro Tour is part of the **climate positive movement**. This means that for each of the major event mangroves are planted to do more than just offset emissions. Starboard Plant enough mangroves to offset emissions twice over, and FPT match this to make the event 4x climate positive overall.

Neutral is no longer enough!



Together with Worldview International Foundation, Starboard & FPT have planted **1000 Mangrove trees** Myanmar to mitigate the carbon emissions from the 2023 FPT season.



CARBON FOOTPRINT

METHODOLOGY

The carbon footprint for each FPT event includes athlete and staff travel, fuel and electricity use from throughout the event period.

Athlete & Staff Travel Emissions

Prior to each event, participating athletes & attending staff members are required to complete a questionnaire about their travel. The questionnaire asks for details on:

- What mode of transport they used
- How many km they travelled over land
- If their car shared with any other athletes
- Which airports they flew to and from

Using this information we calculated flight emissions using the [Carbon Footprint UK calculator](#). And car emissions by multiplying the total kilometres travelled by the latest [Gov.uk 2023 Emission Factor](#) (Passenger Vehicle, Average Car, Unknown Fuel).

Fuel & Energy Emissions

After each event, organisers share the type of fuel used and number of litres. From here we can calculate the associated CO₂e using the latest [Gov.uk 2023 Emission Factors](#) (Fuel, Petrol (100% Mineral Petrol))

Due to the location of windsurf competitions, all 2023 events which used electricity used a fuel powered generator. Therefore we could use the same methodology to calculate energy and fuel emissions.

Margin of error

We add an additional 10% to account for any inaccuracies in data collection or calculation.

Carbon Offsetting

For each tonne of CO₂e released during FPT events, Starboard plants 3 mangroves with [Worldview International Foundation](#) to offset emissions and an additional 3 to make the events 2x Climate Positive. **Carbon neutral simply isn't enough anymore.**

The Freestyle Pro Tour are taking this one step further by matching our planting efforts. Planting an extra 6 mangroves per Tonne of CO₂e!

Every mangrove planted absorbs 673kg of CO₂ during its first 25years, as certified by the Verified Carbon Standard (VCS). 50% of the CO₂ absorbed by each tree goes towards offsetting the events emissions. The other 50% is secured as carbon credits which are then used to fund local livelihood programs in Myanmar.



WHY MANGROVES?

Mangroves are a species of tree that grow in densely packed forests around shorelines and estuaries in tropical and sub-tropical regions. **But what makes them so special to us?**

CLIMATE HEROES

Mangrove forests are classified as **Blue Carbon ecosystems**. This simply means that they are a community of organisms (ecosystem) located in or around the ocean (blue) which absorb CO2 (carbon).

Blue Carbon ecosystems are some of the most effective at fighting climate change due to their amazing ability to absorb and store carbon dioxide from the atmosphere.

Blue Carbon ecosystems only cover 2% of the world, but they account for approximately 50% of the planet's ocean carbon stores.

Like most plants, Mangroves absorb CO2 in order to grow. But what makes them special is their ability to store that carbon for 1000's of years even after a tree has died.

They can do this by trapping organic matter in the soil under the forest. Their complex root systems along with their tidal location and thick mud makes it almost impossible for old branches or leaves to breakdown and release CO2 back into the atmosphere.

BIODIVERSITY HAVEN

Mangrove forests are much more than just a group of trees. They support a huge variety of wildlife from elephants to honey bees. Their root systems act as nurseries for young fish, crabs and turtles. Providing them with food and hiding spaces until they are big enough to fend for themselves in the open ocean.





WHY MANGROVES?

LAND PROTECTORS

Thriving mangrove forests trap sediment, prevent erosion and protect coastlines against rising sea levels.

They also provide amazing natural defence against tropical storms, cyclones and tsunamis. Protecting the land and communities behind the forest from the worst extreme weather.

FOR PEOPLE & PLANET

We plant mangroves in partnership with **Worldview International Foundation** (WIF) in Myanmar. WIF currently operate 6 Verified Carbon Standard certified projects with record high **96% survival rates**.

But what is so special about Worldview International Foundation, and what contributes to their high survival rate, is their commitment to supporting sustainable development within local communities.

Not only does WIF employ local people to plant and care for the forests it also supports the communities neighbouring the projects to ensure they feel the benefits of protecting the mangroves.

For every mangrove planted with WIF, 50% of the carbon that it sequesters is sold as carbon credits and used to fund essential livelihoods projects. These livelihoods projects include:

- Supplying villages with **solar panels & cookstoves**
- Supporting **university scholarships** for young people
- Funding **teacher salaries** and **educational materials**
- Supporting the launch of **sustainable businesses** including seaweed farms and natural fertilizer production.



FPT 2023
Cape Town

Proving Grounds Series



3*

FPT CAPE TOWN

EMISSIONS

Travel emissions were calculated for all participating athletes & members of FPT crew and totalled **0.215 Tonnes CO2e**.

The reason this number is quite low is due to the event being hosted in a location where all participating athletes & crew were already living and training.

No boats or generators were used for the event which was a day time off-grid event meaning there were no emissions associated with fuel or energy use.

We have included a 10% buffer in our calculations as a margin for error, giving the event a total carbon footprint of:

0.236 TONNES CO2E

MANGROVES PLANTED

To make the event carbon neutral only **1 miracle mangrove** would need to be planted.

However we believe that neutral isn't enough!

This event is helping regenerate and reforest our planet by offsetting emissions 4x over.

For the FPT Cape Town 2023 competition Starboard and FPT have planted:



3

MANGROVES

With Worldview International Foundation

King and Queen



EFPT 2023
Bonaire

Proving Grounds Series



4★

EFPT BONAIRE

EMISSIONS

Travel emissions were calculated for all participating athletes & members of FPT crew and totalled **28.85 Tonnes CO2e**.

96.6% of these emissions were from flights taken by athletes and crew. The other 3.4% was from car travel.

No boats or generators were used for the event and all electricity used came from renewable sources. This means there were no emissions associated with fuel or energy use.

We have included a 10% buffer in our calculations as a margin for error, giving the event a total carbon footprint of:

28.85 TONNES CO2E

MANGROVES PLANTED

To make the event carbon neutral **95** mangroves would need to be planted, **3 for every tonne of CO2e released**.

However we believe that neutral isn't enough!

This event is helping regenerate and reforest our planet by offsetting emissions 4x over.

For the EFPT Bonaire competition Starboard and FPT have planted:



381

MANGROVES

With Worldview International Foundation



EFPT AUSTRIA

EMISSIONS

Travel emissions were calculated for all participating athletes & members of FPT crew and totalled **7.94 Tonnes CO2e**.

47.5% of these emissions were from flights taken by athletes and crew. The other 52.5% was from car travel.

2428.1 litres of fuel were used by the event (and the attached music festival) to power generators, boats & heaters. This released **6.46 Tonnes CO2e**.

We have included a 10% buffer in our calculations as a margin for error, giving the event a total carbon footprint of:

15.85 TONNES CO2E

MANGROVES PLANTED

To make the event carbon neutral **48** mangroves would need to be planted, **3 for every tonne of CO2e released**.

However we believe that neutral isn't enough!

This event is helping regenerate and reforest our planet by offsetting emissions 4x over.

For the EFPT Austria competition Starboard and FPT have planted:



190
MANGROVES

With Worldview International Foundation



EFPT x GFB
Germany

Proving Grounds Series



2*

EFPT X GFB

EMISSIONS

Travel emissions were calculated for all participating athletes & members of FPT crew and totalled **0.233 Tonnes CO2e**.

Again, this is a low total as the EFPT x GFB was an event catering to locally based athletes. No one flew to the event.

No boats or generators were used for the event which was small and offgrid. This means there were no emissions associated with fuel or energy use.

We have included a 10% buffer in our calculations as a margin for error, giving the event a total carbon footprint of:

0.257 TONNES CO2E

MANGROVES PLANTED

To make the event carbon neutral only **1 miracle mangrove** would need to be planted.

However we believe that neutral isn't enough!

This event is helping regenerate and reforest our planet by offsetting emissions 4x over.

For the EFPT X GFB competition Starboard and FPT have planted:



3

MANGROVES

With Worldview International Foundation



EFPT VESOUL

EMISSIONS

Travel emissions were calculated for all participating athletes & members of FPT crew and totalled **3.14 Tonnes CO2e**.

24.96% of these emissions were from flights taken by athletes and crew. The other 75.14% was from car travel.

85 litres of fuel were used by the event to power the competition boats/Jetskis. This fuel was responsible for releasing **0.23 Tonnes CO2e**.

We have included a 10% buffer in our calculations as a margin for error, giving the event a total carbon footprint of:

3.70 TONNES CO2E

MANGROVES PLANTED

To make the event carbon neutral **11** mangroves would need to be planted, **3 for every tonne of CO2e released**.

However we believe that neutral isn't enough!

This event is helping regenerate and reforest our planet by offsetting emissions 4x over.

For the EFPT Vesoul competition Starboard and FPT have planted:



44

MANGROVES

With Worldview International Foundation



EFPT VIESTE

EMISSIONS

Travel emissions were calculated for all participating athletes & members of FPT crew and totalled **13.69 Tonnes CO2e**.

50% of these emissions were from flights taken by athletes and crew. The other 50% was from car travel.

All electricity at the event was sourced from the on-site solar panels. 80 litres of fuel were used by the event to power the competition boats/Jetskis. This fuel was responsible for releasing **0.21 Tonnes CO2e**.

We have included a 10% buffer in our calculations as a margin for error, giving the event a total carbon footprint of:

15.30 TONNES CO2E

MANGROVES PLANTED

To make the event carbon neutral **46** mangroves would need to be planted, **3 for every tonne of CO2e released**.

However we believe that neutral isn't enough!

This event is helping regenerate and reforest our planet by offsetting emissions 4x over.

For the EFPT Vieste competition Starboard and FPT have planted:



184

MANGROVES

With Worldview International Foundation

glva
Wind
festival



EFPT 2023
Geneva

Continental Series



7★

EFPT GENEVA

EMISSIONS

Travel emissions were calculated for all participating athletes & members of FPT crew and totalled **6.67 Tonnes CO2e**.

34.6% of these emissions were from flights taken by athletes and crew. The other 65.4% was from car travel.

360 litres of fuel were used by the event to power the competition boats. The school hosting the event was powered by solar panels, so there are no associated emissions. This fuel was responsible for releasing **0.96 Tonnes CO2e**.

We have included a 10% buffer in our calculations as a margin for error, giving the event a total carbon footprint of:

8.93 TONNES
CO2E

MANGROVES PLANTED

To make the event carbon neutral **25** mangroves would need to be planted, **3 for every tonne of CO2e released**.

However we believe that neutral isn't enough!

This event is helping regenerate and reforest our planet by offsetting emissions 4x over.

For the EFPT Geneva competition Starboard and FPT have planted:



101
MANGROVES

With Worldview
International Foundation

**BROUWERS
DAM**
— SINCE 1993 —

European Freestyle Pro Tour
Season Finale



EFPT 2023
Brouwersdam

Continental Series



6★

EFPT BROUWERSDAM

EMISSIONS

Travel emissions were calculated for all participating athletes & members of FPT crew and totalled **6.99 Tonnes CO2e**.

30% of these emissions were from flights taken by athletes and crew. The other 70% was from car travel.

60 litres of fuel were used by the event to power the competition boats. The school hosting the event was powered by solar panels and wind energy, so there are no associated emissions. This fuel was responsible for releasing **0.16 Tonnes CO2e**.

We have included a 10% buffer in our calculations as a margin for error, giving the event a total carbon footprint of:

7.86 TONNES
CO2E

MANGROVES PLANTED

To make the event carbon neutral **24** mangroves would need to be planted, **3 for every tonne of CO2e released**.

However we believe that neutral isn't enough!

This event is helping regenerate and reforest our planet by offsetting emissions 4x over.

For the EFPT Brouwersdam competition Starboard and FPT have planted:



94

MANGROVES

With Worldview International Foundation

83.3
TONNES CO2E

were released though the travel, fuel and electricity use associated with the 8 in this report.

1000
MANGROVES

are being planted by Starboard and EFPT to offset emissions 4x over.

