



# IMOCA NYC-Vendée 2024 February 28 Presentation



*North Shore*



  
*North Shore*



START  
**29**  
MAY  
2024

# NEW YORK VENDÉE

Les Sables d'Olonne

 **VENDÉE**  
LE DÉPARTEMENT

 **Sodebo**

 Les Sables  
d'Olonne

NEWYORKVENDEE.ORG     

Photo: Raphaël / Getty Images



# WindSupport-The Vision



# WindSupport-Grain de Sail



# Grain de Sail 2



# Grain de Sail 2 = 350 Tons





# Back to the IMOCA Class

Presentation February 28 2024



  
*North Shore*





# IMOCA

## International **Monohull Open Class Association**

- Ocean Races and the IMOCA Class
- Technology
- Philosophy / Sustainability
- \* Vendée Globe, CIC , NYC-Vendée
- \* Participants / Routes
- \* Events – Locales – How to attend





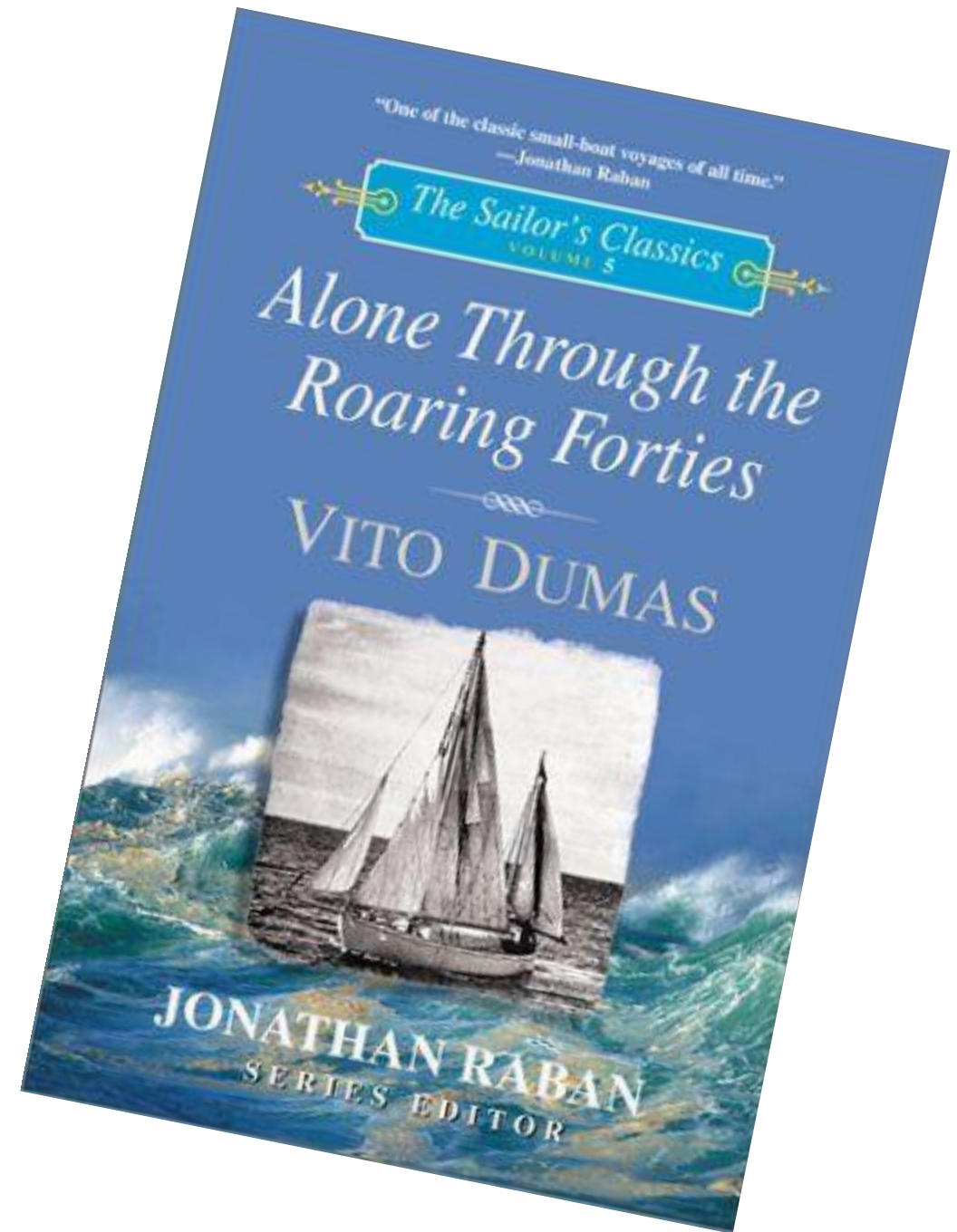
# IMOCA

## International **M**onohull **O**pen **C**lass **A**ssociation

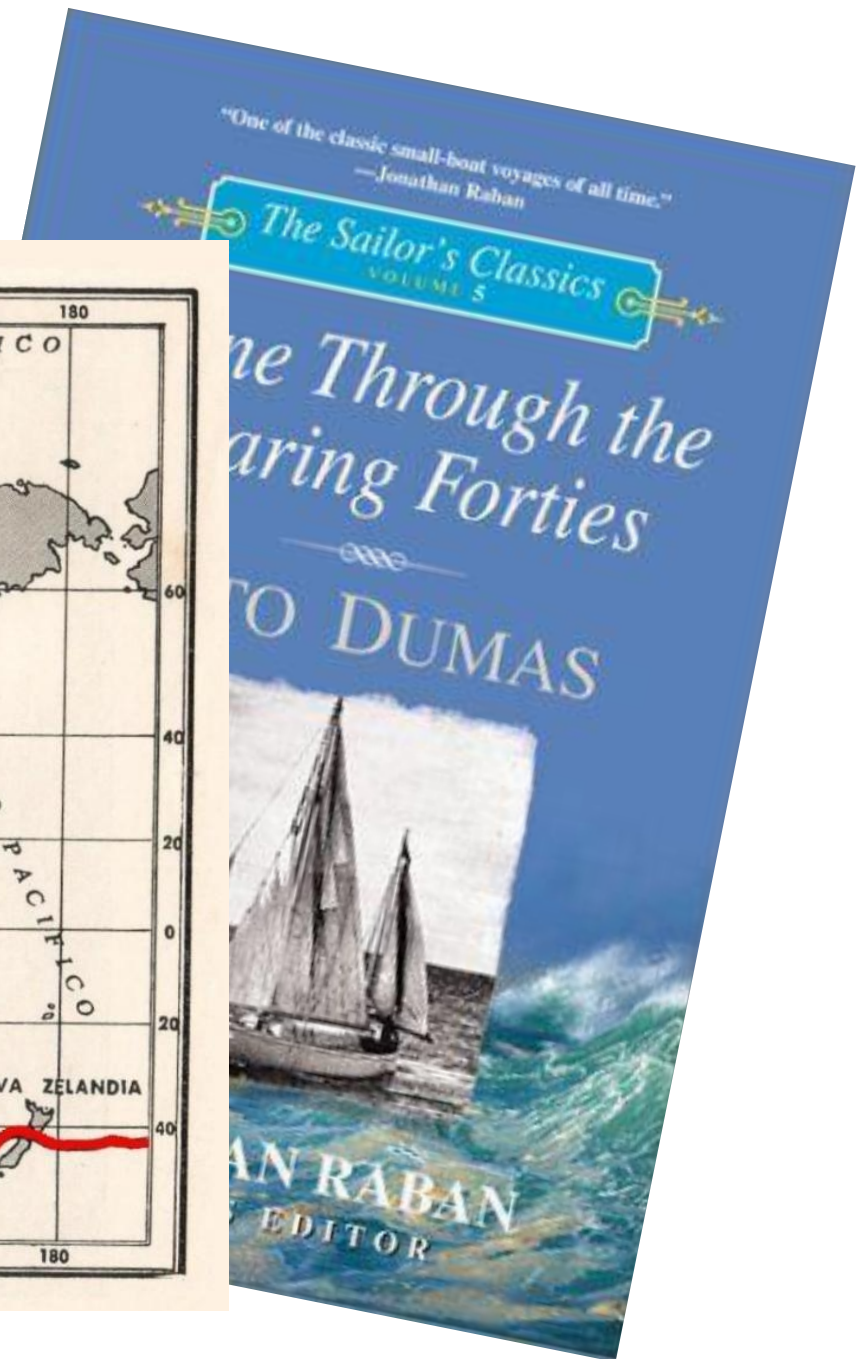
- Ocean Races and the IMOCA Class
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# Vito Dumas



# Vito Dumas Trip



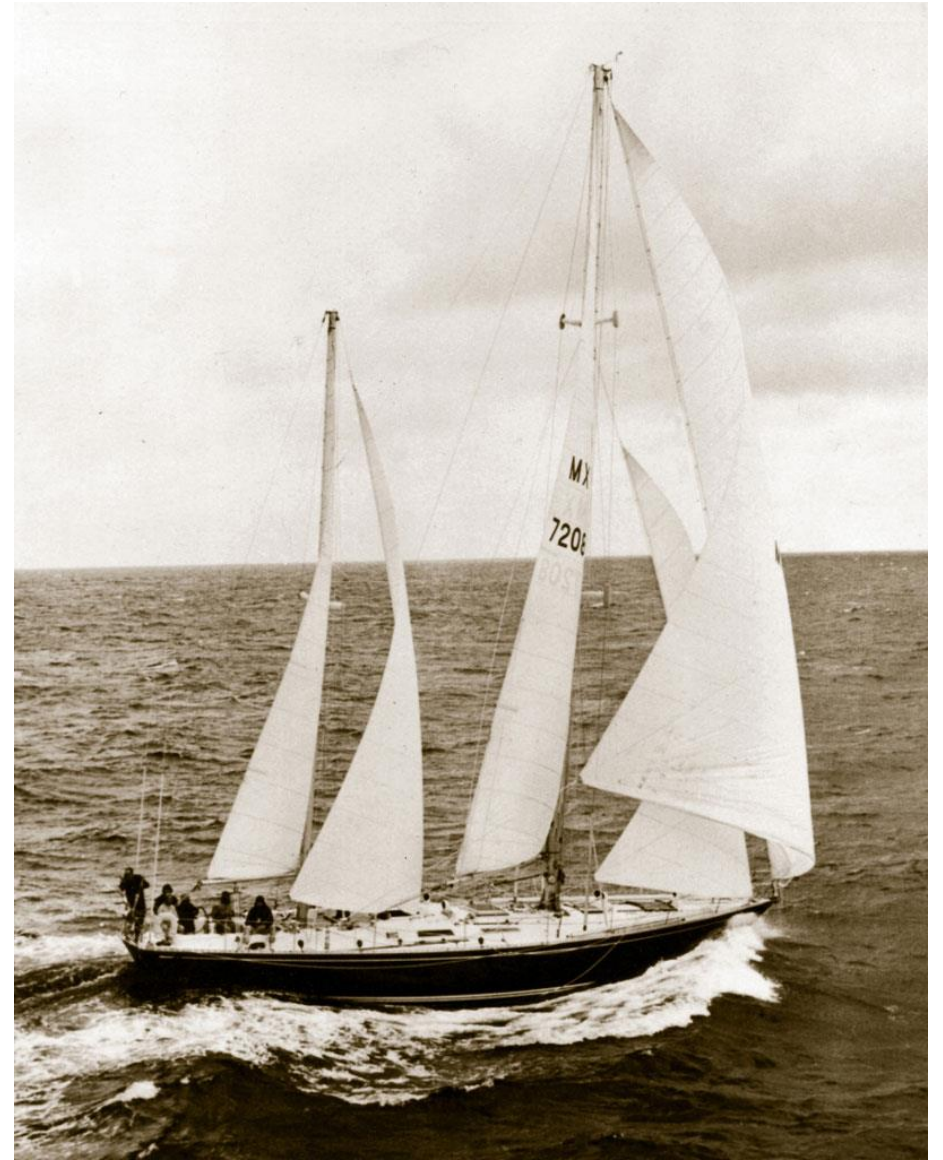
# Sunday Times Golden Globe Race - 1968



# Evolution

## Withbread Round The World Race

- 1973 – Crewed – “Family affair”
- Sayula II – Swan 65



# Evolution

## Whitbread Round The World Race



- 1989 – Crewed
- Maiden (Dawn Riley – Oakcliff)





# Evolution

Whitbread  Volvo Ocean Race

- 2001
- Crewed
- NO routing – No electronics
- Larger and larger boats
- Prohibitive costs  Volvo Open 70  Volvo 65

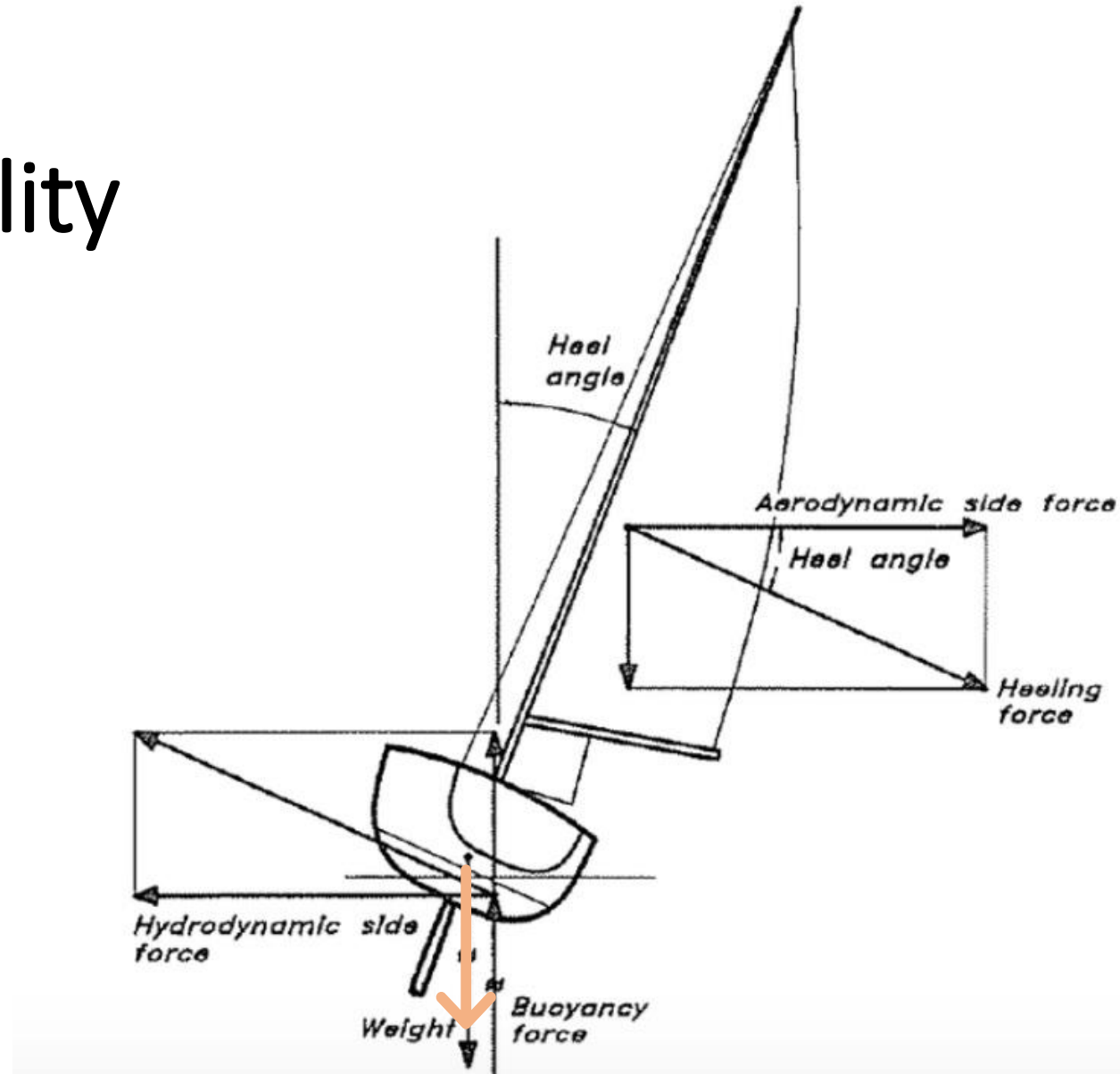
# Evolution

Whitbread  Volvo Ocean Race  Ocean Globe Race

- IMOCA 60
- 5 Elite Crew
- Auto Pilots are allowed

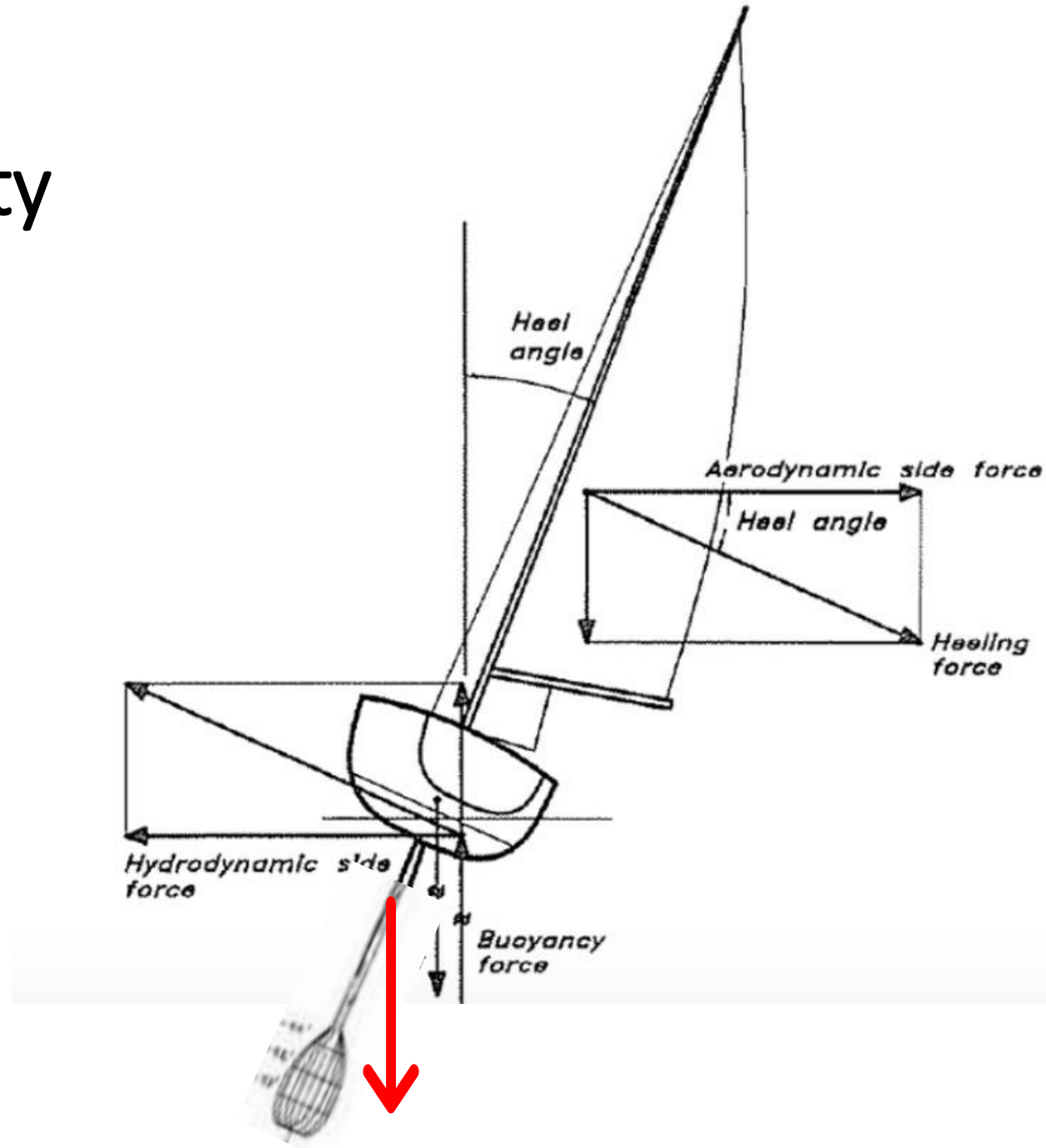
# Sailboat Stability

*Form*



# Sailboat Stability

*Form*  
*Ballast*

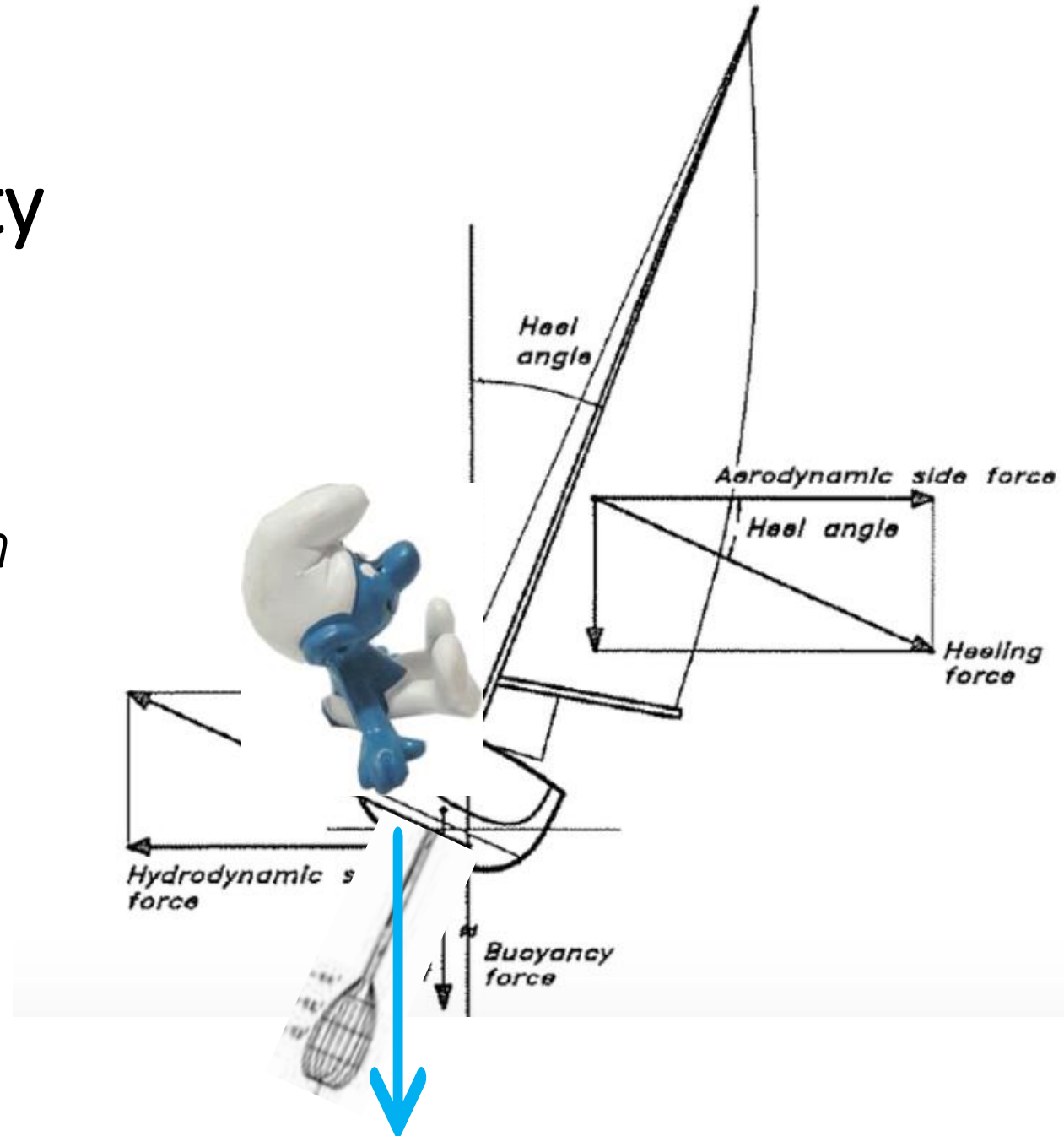


# Sailboat Stability

*Form*

*Ballast*

*Weight distribution*



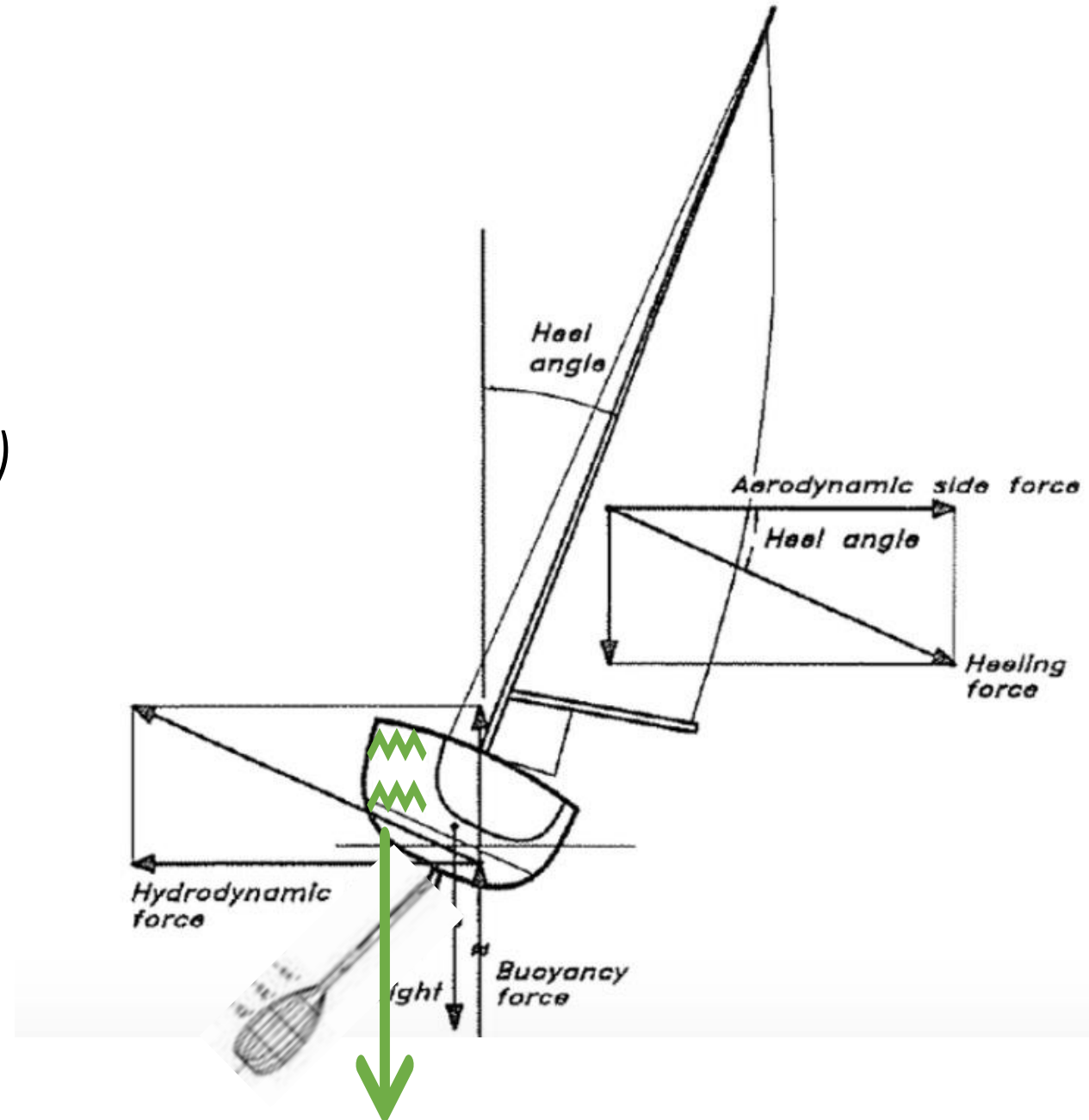
# Sailboat Stability

*Form*

*Ballast*

*Weight distribution  
( Water ballast )*

*Canting Keel*



# Sailboat Stability

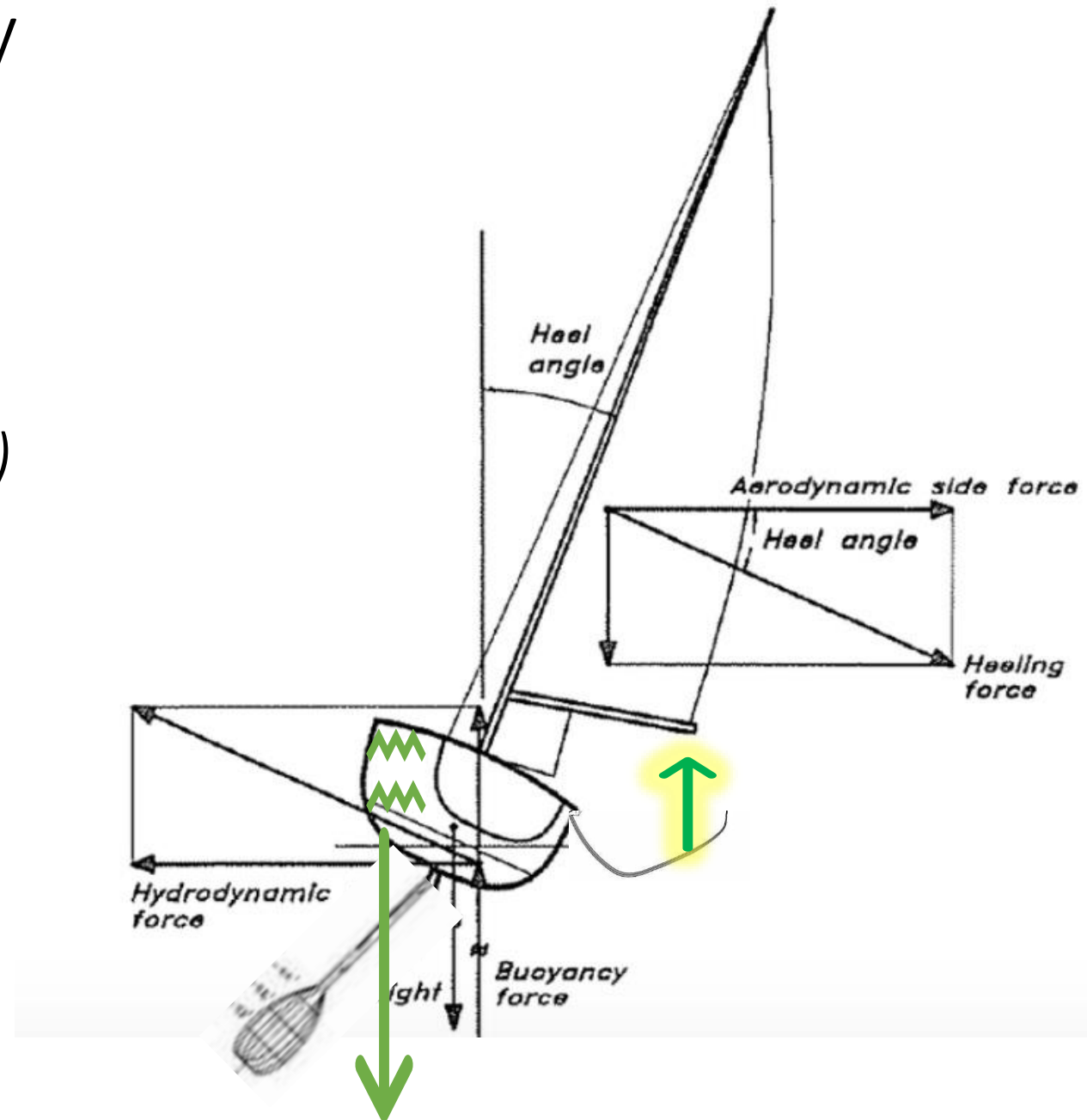
*Form*

*Ballast*

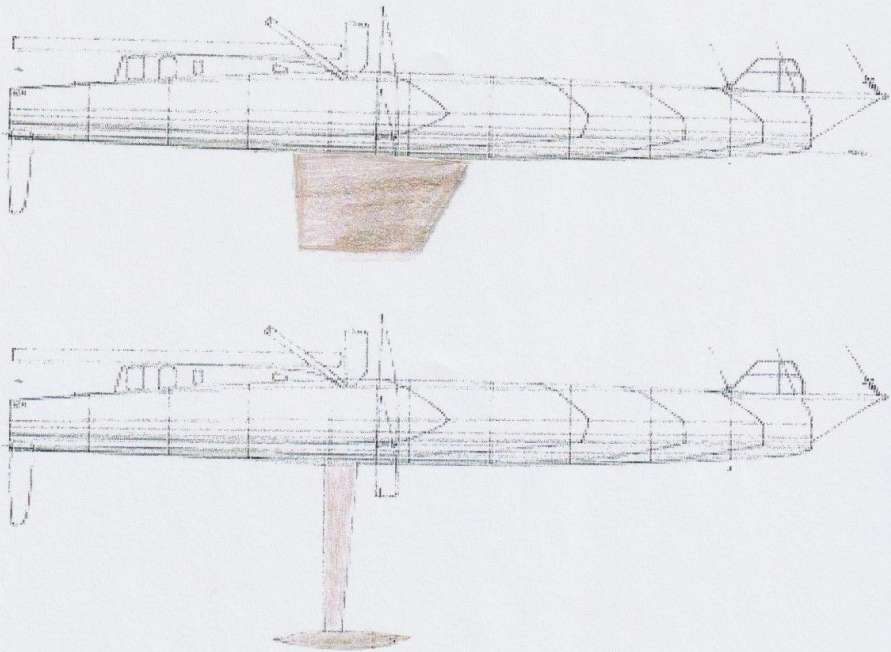
*Weight distribution*  
*( Water ballast )*

*Canting Keel*

*Foil*



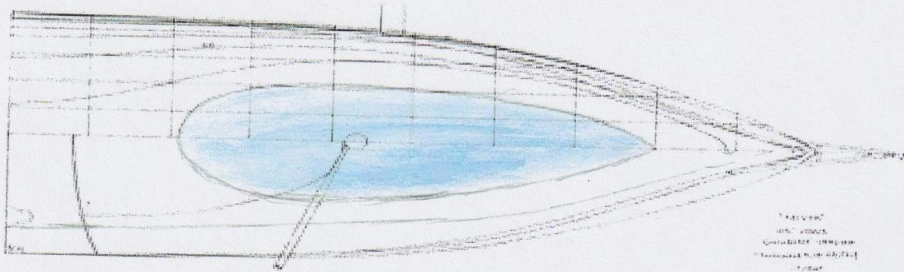
# Sailboat ballast: the bulb



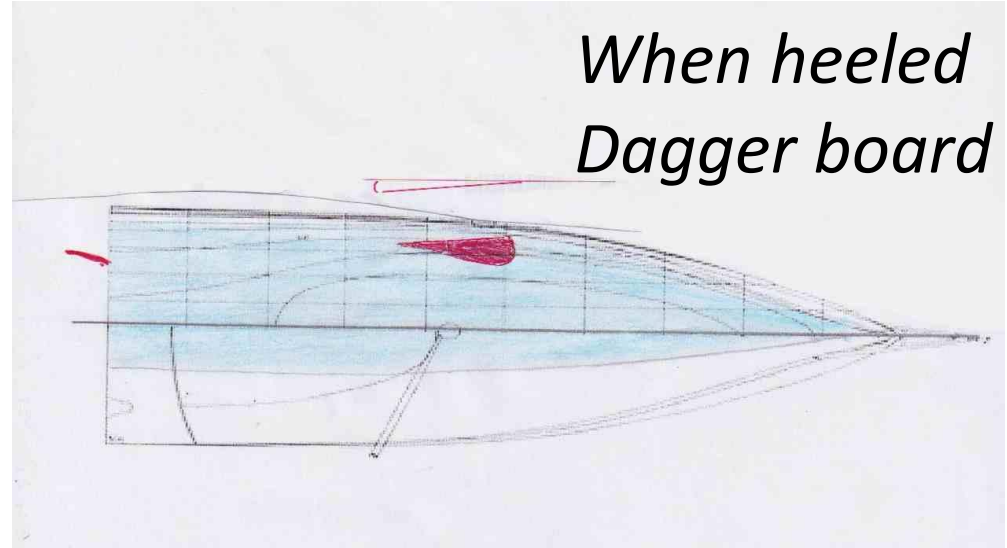


# IMOCA longitudinal stability

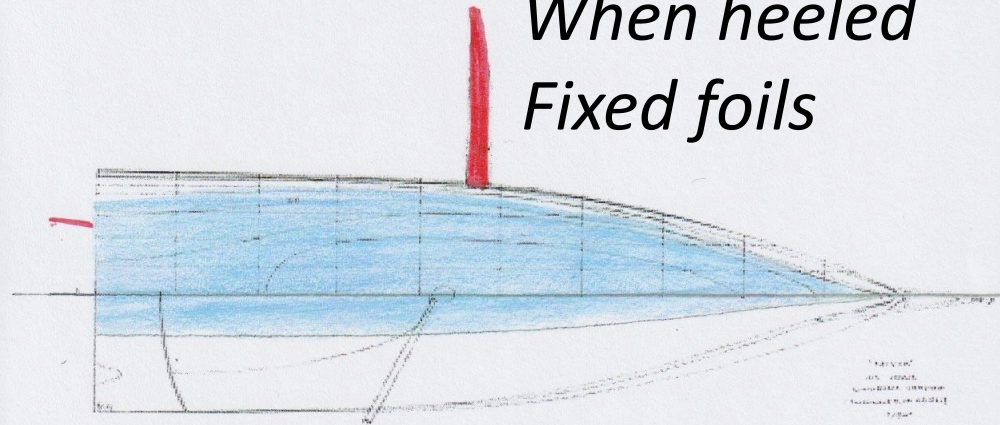
*No heel*



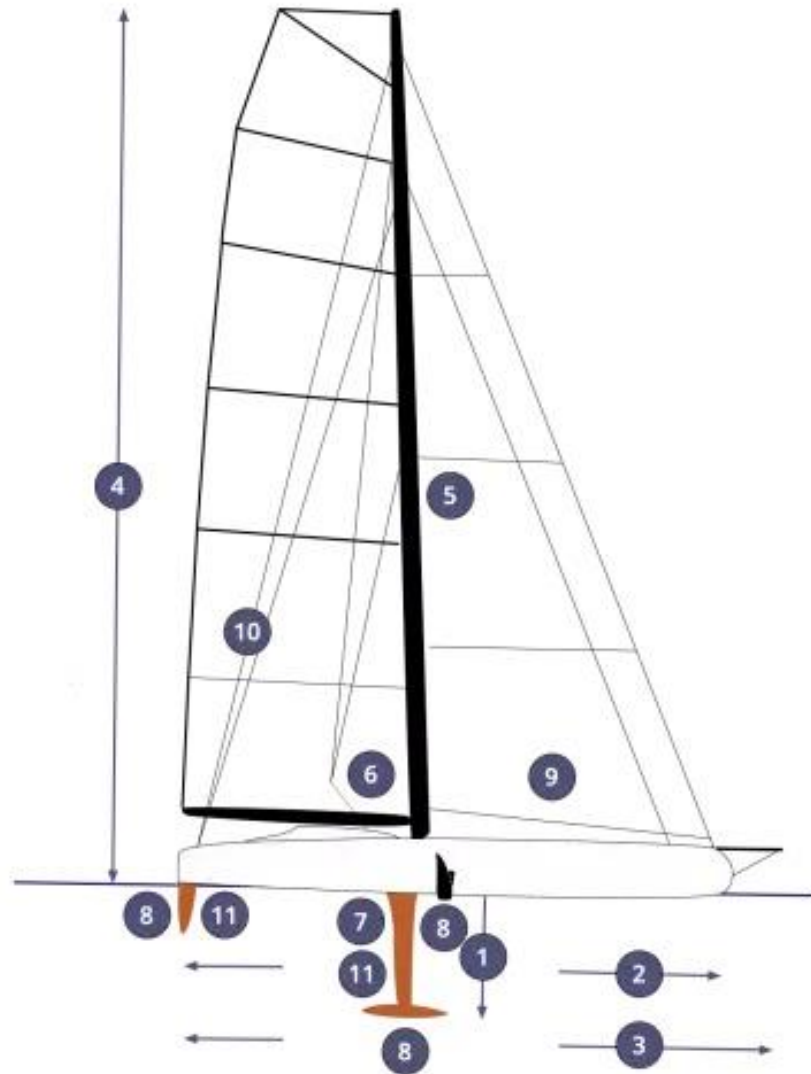
*When heeled  
Dagger board*



*When heeled  
Fixed foils*

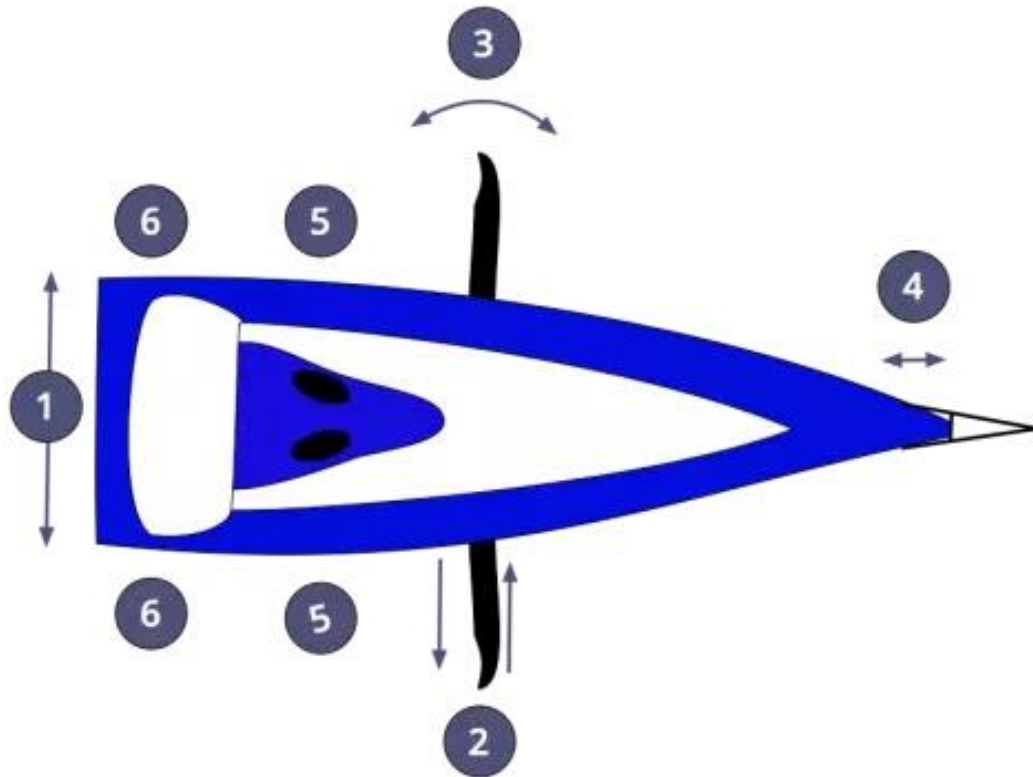


# IMOCA: Side View



- 1 Maximum draft : 4.50 m or 15 ft
- 2 -Maximum hull length: 60 feet or 18.28 m
- 3 Maximum length with bowsprit: 66 feet, or 20.12 m
- 4 Maximum air draft : 29 m
- 5 Wing mast (quest between 2 and 4°)
- 6 Outriggers monotypes
- 7 One-design [keel sail](#) in stainless [steel](#)
- 8 Two rudders and one [keel](#) are mandatory.  
5 appendages maximum: 1 [keel](#), 2 rudders, 2 foils or daggerboards.
- 9 Eight, maximum number of sails on board
- 10 Marking space reserved for race organization
- 11 Color coded for [keel](#) and rudders

# IMOCA Top View



**1 Maximum width : 5.85 m**

**2 Retractable foils**

The number of foils must be 2 and composed of a single continuous surface. The foil must respect the following maximum limitations:

- A static moment of  $8 \text{ m}^3$
- A total developed surface of  $7,70 \text{ m}^2$

It must be able to move in and out of the hull and must use a single degree of freedom for this movement.

**3 Rake of foils (+ or euros  $5^\circ$ )**

We are talking about the rotation of the foil which must be limited to an angle of  $5^\circ$

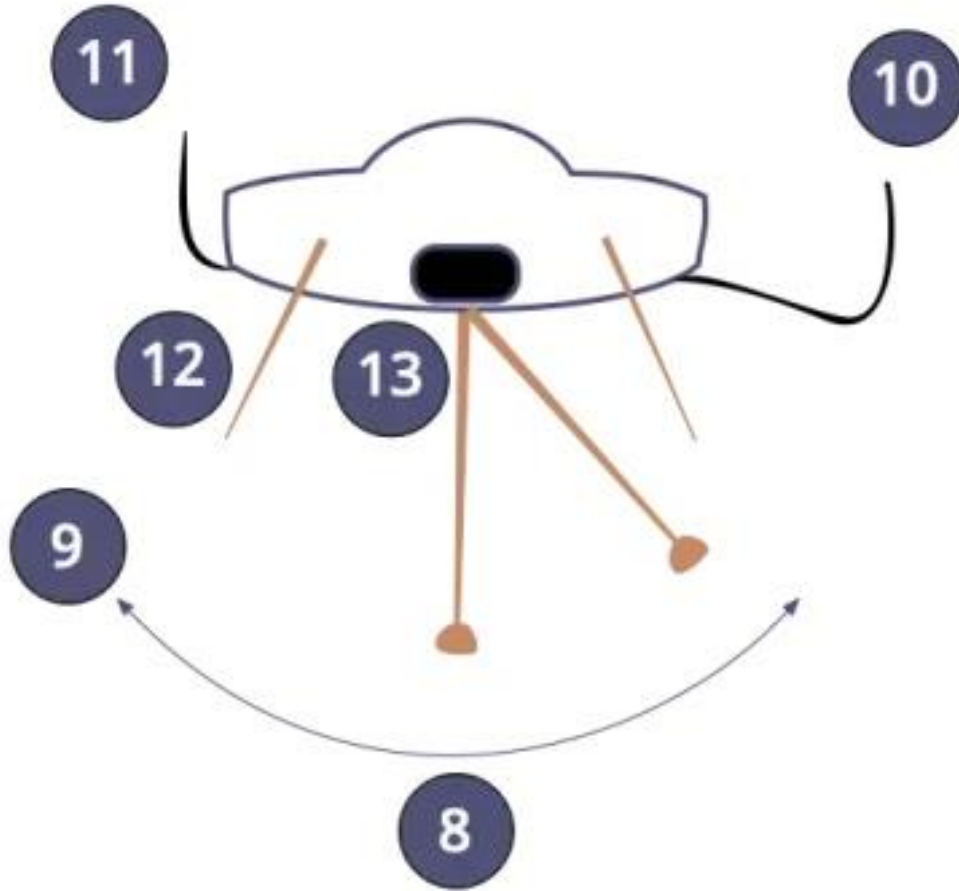
**Boat race number**

**4 Max width (1,12 m) in the 1<sup>er</sup> m**

**5 Side ballasts: approx. 1,000 kg**

**6 Rear ballasts: 350 kg approx**

# IMOCA Back View



8 [Keel](#) at 0

9 [Keel](#) tilted at 38° max

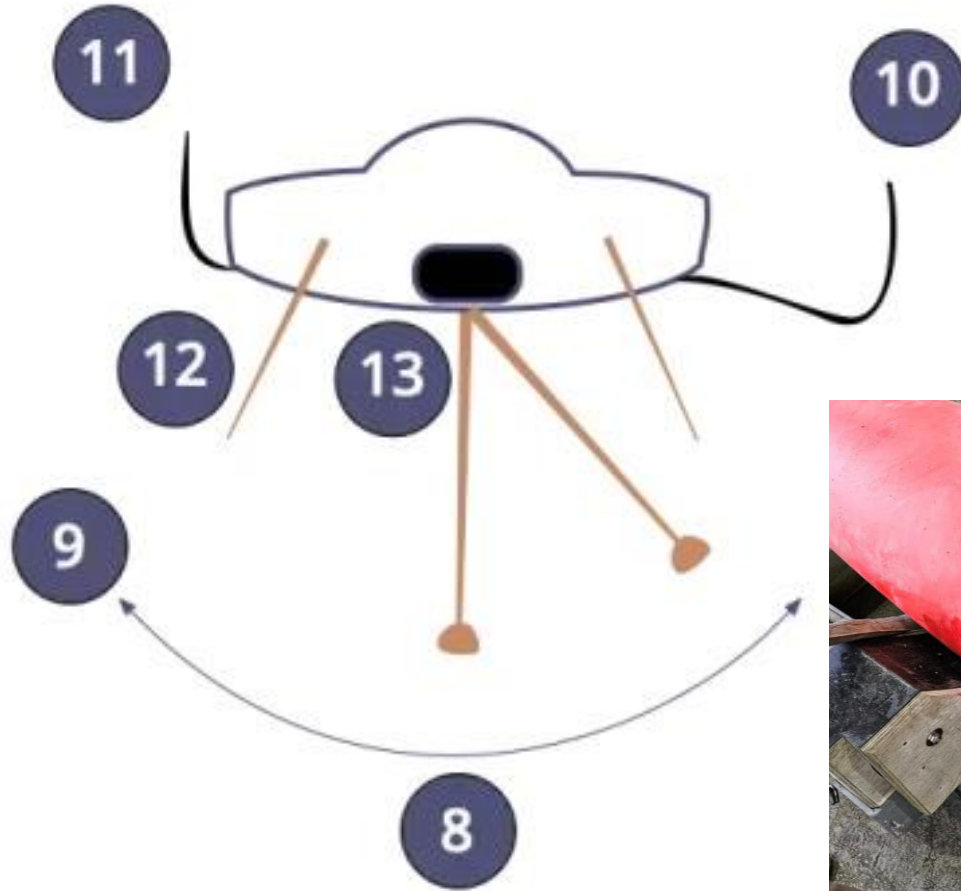
10 Foils out

11 Foils retracted 5.750 m

12 Plans for rudder holders prohibited

13 One-design [keel](#) canting system

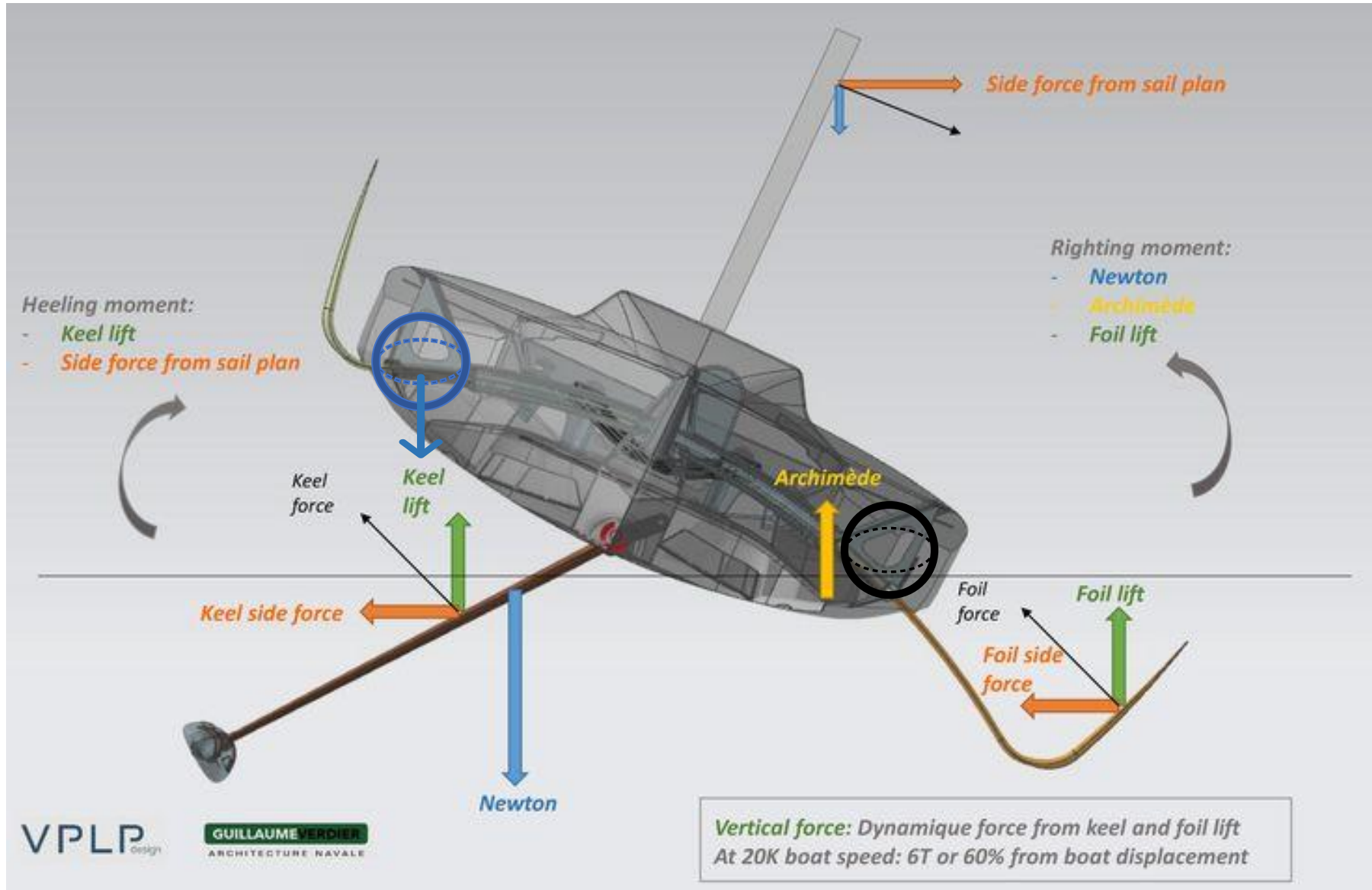
# IMOCA Keel



- 8 euros [Keel](#) at 0
- 9 euros [Keel](#) tilted at 38° max
- 10 euros Foils out
- 11 euros Foils retracted 5.750 m
- 12 euros Plans for rudder holders prohibited
- 13 euros One-design [keel](#) canting system



# Foils as the Future





SINGLE HANDED  
IMOCA OPEN CLASS RULE  
36 BOATS

*Last race to qualify for the  
Vendée Globe*



**The Transat CIC**  
Departure 4/28 from Lorient  
70 boats - IMOCA, Multi50, Class40

MAY 22  
UN

MAY 23  
NYYC

MAY 24  
LIBERTY  
RACE

MAY 29  
DEPARTURE

5/8

LORIENT, FRANCE

5/16

IMOCA

5/22

VENDEE, FRANCE

5/29

ETA NYC  
MAY 8-15

MAY 9  
MAY 12  
Prize ceremonies

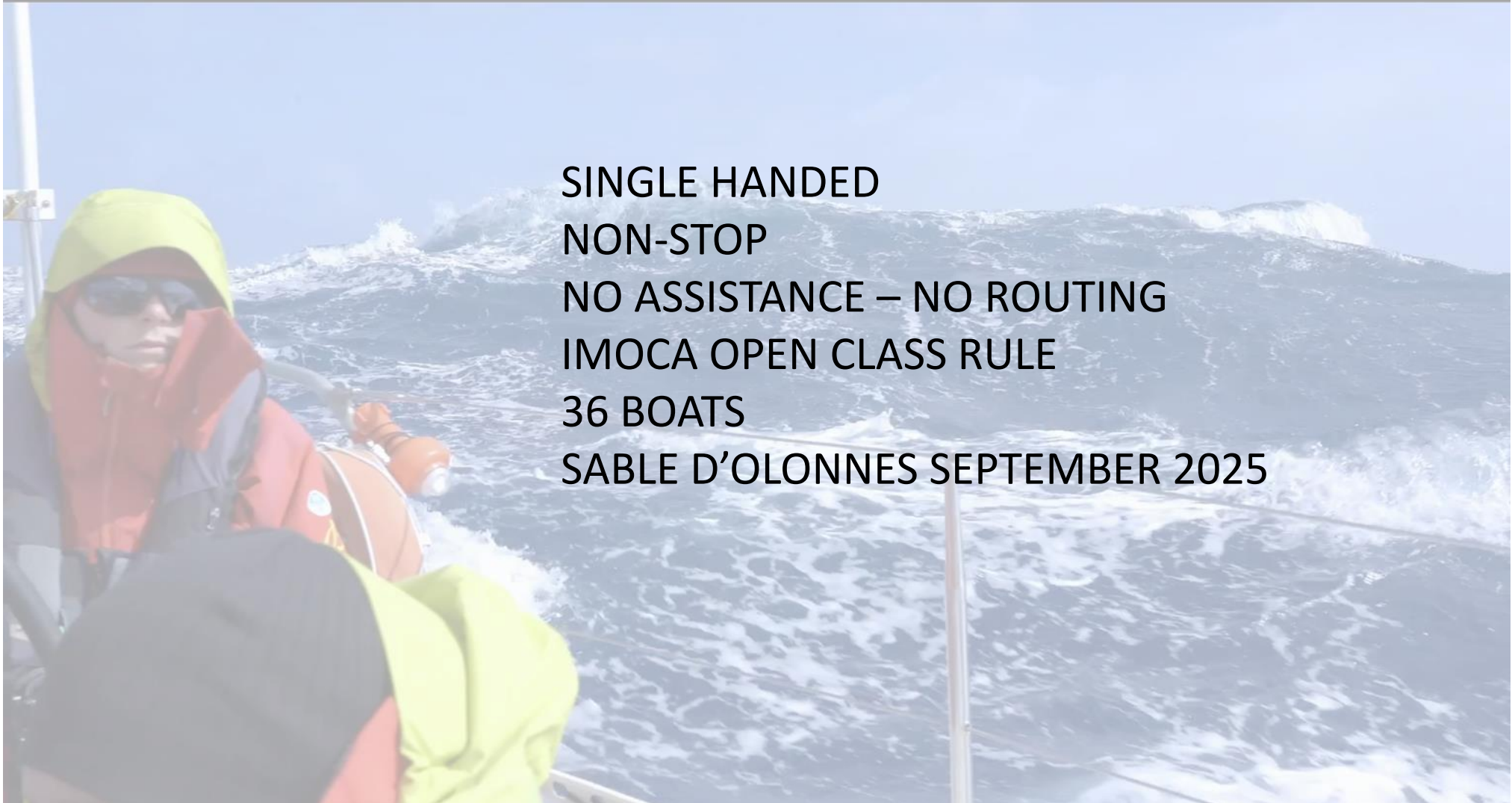
Sailing to les Sables d'Olonne  
May 29, 40 IMOCAs



# Vendée – Sables d’Olonne



# Vendée Globe



SINGLE HANDED  
NON-STOP  
NO ASSISTANCE – NO ROUTING  
IMOCA OPEN CLASS RULE  
36 BOATS  
SABLE D'OLONNES SEPTEMBER 2025



# Vendée Globe Participants



# Teams

Registration #	Skipper	Team	Boat Type	Assigned Marina	Transat CIC	North Cove	ONE 15	Moonbeam	Newport
1	Paul Meilhat	Biohterm	Foiler	One 15		2	1	4	3
2	Manuel Cousin	Coup de Pouce	Daggerboard	One 15		2	1	3	4
3	Damien Seguin	Groupe Apicil	Foiler	One 15		4	1	3	2
4	Charlie Dalin	MACIF Santé Prevoyance	Foiler	One 15		4	1	2	3
5	Jérémie Beyou	Charal	Foiler	One 15		2	1	3	4
6	Romain Attanasio	Fortinet - Best Western	Foiler	North Cove		1	2	3	4
7	Maxime Sorel	V and B - Monbana	Foiler	One 15		3	1	2	4
8	Sam Davies	Initiative Coeur	Foiler	North Cove		1	2	3	4
9	Denis Van Weynbergh	D'Ieteren Group	Daggerboard	One 15		3	1	2	4
10	Yohan Richomme	Paprec Arkea	Foiler	One 15		4	1	3	2
11	Sébastien Simon	Groupe Dubreuil	Foiler	North Cove		1	2	3	4
12	Sam Goodchild	For The Planet	Foiler	One 15		2	1	4	3
13	Justine Mettraux	Teamwork	Foiler	One 15		2	1	3	4
14	Thomas Ruyant	For People	Foiler	North Cove		2	1	4	3
15	Kojiro Shiraishi	DMG Mori	Foiler	Newport Ship		3	2	4	1
16	Guirec Soudée	Freelance	Daggerboard	Newport Ship		3	2	4	1
17	Yannick Bestaven	Maitre Coq V	Foiler	Moonbeam		2	1	3	4
18	Boris Herrmann	Team Malizia	Foiler	Moonbeam		2	1	3	4
19	Alan Roura	Hublot	Foiler	Moonbeam		2	1	3	4
20	Arnaud Boissières	La Mie Caline	Foiler	Newport Ship		2	4	3	1
21	Clarisse Cremer	L'Occitane en Provence	Foiler	Newport Ship		2	3	4	1
22	Benjamin Dutreux	Guyot Environment	Foiler	Newport Ship		3	1	4	2
23	Scott Schawyer	Be Water Positive	Daggerboard	Newport Ship		2	3	4	1
24	Nicolas Lunven	Holcim - PRB	Foiler	Moonbeam		2	1	4	3
25	James Harayda	Gentoo Sailing Team	Foiler	Newport Ship		2	4	3	1
26	Violette d'Orange	Devenir	Daggerboard	Newport Ship		1	1	1	1
27	Éric Bellion	Stand as One	Daggerboard	Newport Ship		1	3	2	2
28	Fabrice Amedeo	Nexans - Art & Fenetres	Daggerboard	Moonbeam		1	2	3	4
29	Szabolcs Weöres	New Europe	Daggerboard	Moonbeam				3	
30	Oliver Heer	Oliver Heer Ocean Race	Daggerboard	Newport Ship					1
31	Jingkun Xu	Singchain Team Haikou	Foiler	Moonbeam				3	
32	Pip Hare	Medalia	Foiler	Moonbeam				3	
33	Conrad Colman	Mail Boxes Etc	Daggerboard	Moonbeam				3	
34	Louis Burton	Bureau Vallée	Foiler	Moonbeam				3	

# Vendée Globe Participants



# Sponsorship - Volunteers



# May 2024 - more than sailing

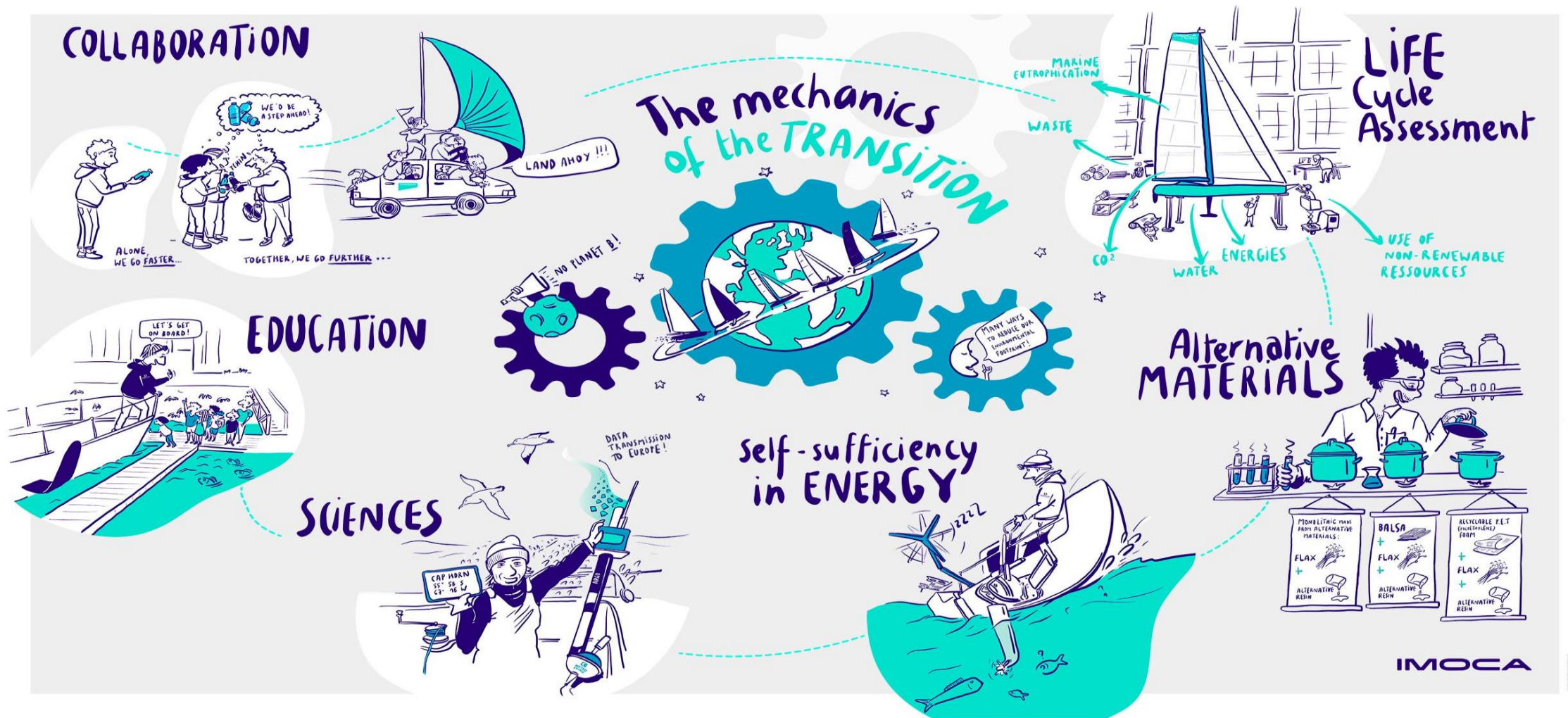
Showcasing causes supported by the candidates as well as sustainability program developed by Vendee Globe and IMOCA class

Programs, projects designed within the scope of UN SDGs





# IMOCA is more than sailing.



# Education, water, ocean, health, poverty, biodiversity...



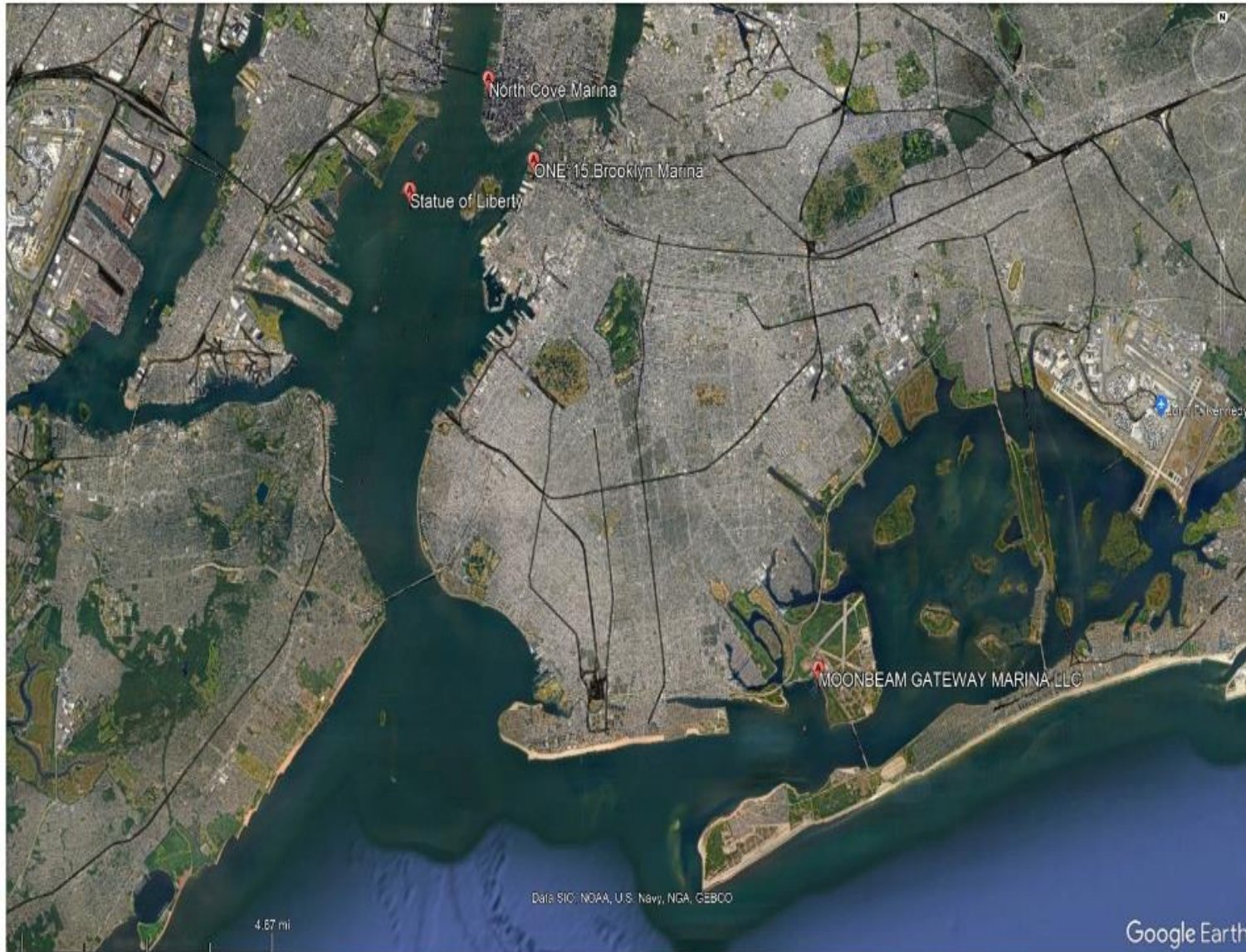
# Science



# Community Engagement

- Ocean Conservation and Education activities with NYC public and private schools
  - Students' meetings with Skippers
  - Visits to marinas and boats
- Involvement of the local sailing community
  - Community Sailing organizations
  - Yacht Clubs
  - Boat Building organizations
- Volunteering
  - Support to school activities associated to the fleet presence in NYC
  - Support for Liberty Race and other on-water activities

# Liberty Cup: Demo Race in NYC on May 24



North Cove Marina  
Battery Park NYC

Liberty Marina NJ

ONE 15 Brooklyn Marina

Miramar YC Brooklyn

# Racing back to Vendée on May 25



# More info

- <https://sailgp.com/news/24/tickets-on-sale-new-york-sail-grand-prix-season-4/>
- <https://windsupport.nyc/news-podcasts/>
- VO65 vs IMOCA <https://youtu.be/BUihkBDA>
- [gEQ](#)
- [Marie at the horn https://www.facebook.com/100076255126214/videos/279039045201149/](https://www.facebook.com/100076255126214/videos/279039045201149/)
- Offre Commerciale. [https://docs.google.com/presentation/d/1quo54eFOSEnDi1NRGu4NI4rVXo21\\_PmjXPdU\\_Z2xUHg/edit?usp=sharing](https://docs.google.com/presentation/d/1quo54eFOSEnDi1NRGu4NI4rVXo21_PmjXPdU_Z2xUHg/edit?usp=sharing)
- <https://www.theoceanrace.com/en/racing-with-purpose/science>
- Global solo Challenge <https://youtu.be/jlLxbWupWLg>
- Grain de Sel 2 <https://graindesail.com/fr/content/46-voilier-cargo-grain-de-sail-2>
- <https://www.abc.net.au/news/2018-06-29/australians-take-on-infamous-golden-globe-yacht-race/9910434>

# Wind Support NYC

**We develop & support maritime projects**

Information - Podcast **Hoisting the sail, a supply chain podcast**  
Decarbonization of maritime transport

Education - **Sustainability in Ship Design and Operations Conference 2023**  
Webb Institute, USMMA, November 6&7

Communication & business development - **zero emission shipping**  
Grain de Sail, Neoline, Vela, Zephyr & Boree

Competitive sailing - logistics, maritime operations & events  
**#VGNY24 - May 2024**