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## Sustainability Actions Report



**Brazil 2023**  
Youth  
Sailing World  
Championships



Búzios, December 2023

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## Presentation

This document lists the sustainability initiatives implemented at the 2023 Youth World Championship.

It presents results that strengthen the role of sailing as an important facilitator of sustainable development. At the same time, it highlights issues to be addressed to make sailing's commitment to building a socially just, economically prosperous, and environmentally balanced world effective.

The event brought together 676 people in the city of Búzios from December 8th to 16th, 2023, and was jointly organized by the Brazilian Sailing Confederation - CBVela and World Sailing.

Both institutions have clear guidelines supporting the UN's 2030 Agenda and work towards achieving the 17 Sustainable Development Goals (SDGs).

CBVela is an integral part of the UN Global Compact Network Brazil. World Sailing guides national sailing authorities with its sustainability policy anchored in the 17 SDGs.

It was the engagement of these institutions, combined with the values practiced by athletes, technical and volunteer teams, and institutional partners, that made the actions reported here concrete.

We strongly recommend reading the letter produced by the group that participated in the Sustainability Session held in partnership with the Government of the State of Rio de Janeiro. The letter shows a glimpse of the world sailing aims to build.

Marco Aurélio de Sá Ribeiro, President  
Sandra Di Croce Patrício, Sustainability Director

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## Carbon Emissions Neutralization

- Guided by Brazil's commitment to achieving net-zero emissions by 2050 - offsetting carbon emissions with capture sources such as reforestation,
- and CBVela's commitment, as a member of the UN Global Compact Network Brazil, to work towards achieving the 17 Sustainable Development Goals established in the UN's 2030 Agenda,
- and World Sailing's Sustainability Agenda 2030,
- the Youth World Championship - Búzios 2023 was certified as a Carbon Neutral Event by the IBDN - Brazilian Institute of Nature Defense.
- Over 30 tons of carbon equivalent emissions were neutralized, with the planting of 187 trees of Atlantic Forest species.
- Additionally, another 230 trees will be planted, totaling the removal of over 67 tons of carbon from the atmosphere.
- The planting has already begun in a public area of forest restoration located in the city of São Paulo.



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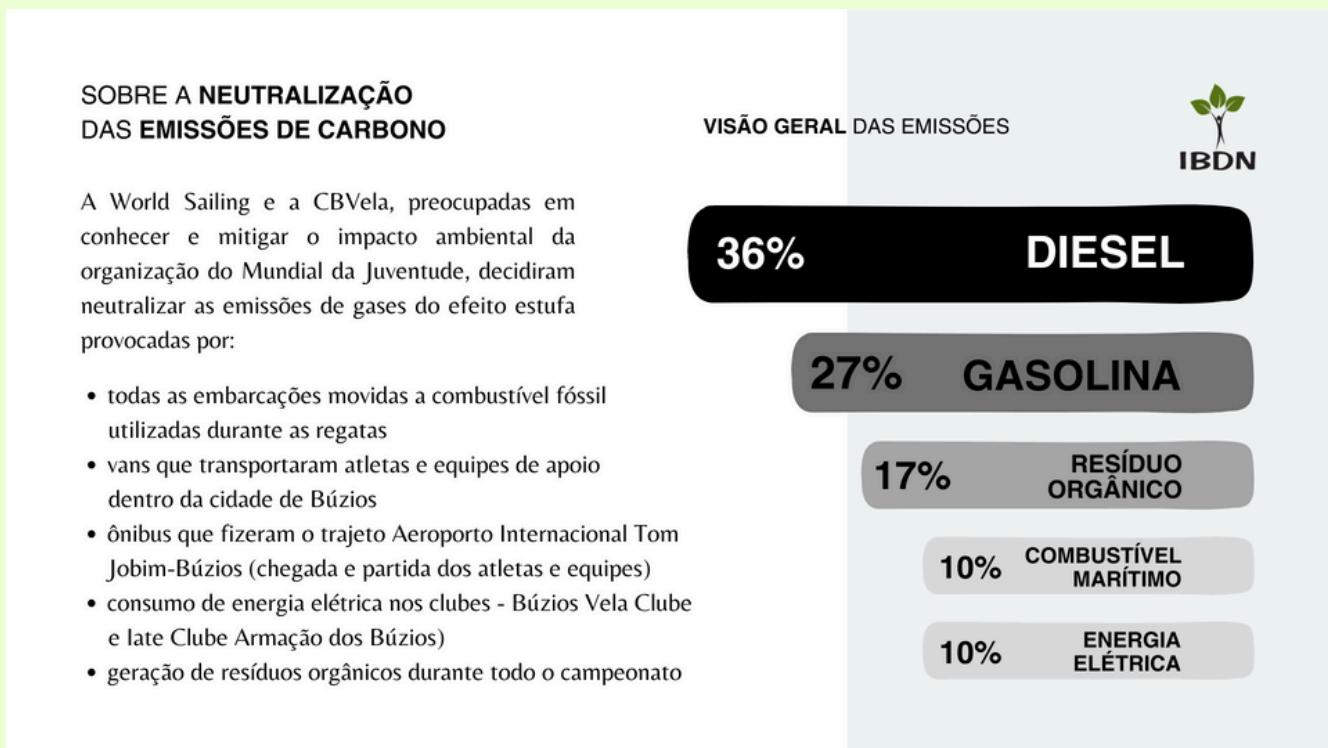
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### Text translation

#### ABOUT CARBON EMISSIONS NEUTRALIZATION

World Sailing and CBVela, concerned with understanding and mitigating the environmental impact of organizing the Youth World Championship, have decided to neutralize greenhouse gas emissions caused by:

- All fossil fuel-powered boats used during the regattas
- Vans transporting athletes and support teams within the city of Búzios
- Buses traveling from Tom Jobim International Airport to Búzios (arrival and departure of athletes and teams)
- Electricity consumption at the clubs - Búzios Vela Clube and late Clube Armação de Búzios
- Generation of organic waste throughout the championship

#### "OVERVIEW OF EMISSIONS

36% Diesel  
27% Gasoline  
17% Organic Waste  
10% Maritime Fuel  
10% Electric Energy"

## EMISSÕES de GASES DO EFEITO ESTUFA

Calculadas em tCO<sub>2</sub>e - medida que expressa a quantidade de gases de efeito estufa (GEEs) em termos equivalentes à quantidade de dióxido de carbono (CO<sub>2</sub>). Para gerar este relatório, foi utilizada a ferramenta (v\_2023.1.0) do Programa Brasileiro GHG Protocol, compatível com a ISO 14.064.

SCOPO 1 Emissões controladas pela organização do evento	<b>Combustível fóssil - MARÍTIMO: 800 litros</b>	Embarcações	<b>2,50 tCO<sub>2</sub>e</b>
	<b>Combustível fóssil - GASOLINA: 3.900 litros</b>	Embarcações	<b>6,74 tCO<sub>2</sub>e</b>
	<b>Combustível fóssil - DIESEL: 1.550 litros</b>	Vans/Ônibus	<b>9,40 tCO<sub>2</sub>e</b>
SCOPO 2 Emissões indiretas de energia comprada	<b>ENERGIA ELÉTRICA: 25.518 Quilowatt-hora</b>	Clubes	<b>2,48 tCO<sub>2</sub>e</b>
	<b>RESÍDUO ORGÂNICO: 5 toneladas</b>	Alimentação nos clubes	<b>4,14 tCO<sub>2</sub>e</b>
SCOPO 3 Emissões na cadeia envolvida na organização do evento	<b>SUB TOTAL DE EMISSÕES</b>		<b>25,260tCO<sub>2</sub>e</b>
	<b>*INCERTEZAS</b>	<small>*Podem ser originadas na coleta dos dados e/ou nos fatores de emissão relativos ao consumo de combustível (idade da frota/qualidade do combustível), pesagem dos resíduos orgânicos, dentre outros fatores</small>	<small>20% sobre total de emissões*</small>
			<b>5,05 tCO<sub>2</sub>e</b>
	<b>TOTAL DE EMISSÕES</b>		<b>30.312tCO<sub>2</sub>e</b>

### Text translation

#### GREENHOUSE GAS EMISSIONS

Calculated in tCO<sub>2</sub>e - a measure that expresses the amount of greenhouse gases (GHGs) in terms equivalent to carbon dioxide (CO<sub>2</sub>) quantity. To generate this report, the tool (v\_2023.1.0) from the Brazilian GHG Protocol Program, compatible with ISO 14064, was used.

#### Scope 1 - Emissions controlled by the event organization

Fossil Fuel - Maritime: 800 liters - Boats - 2.50 tCO<sub>2</sub>e

Fossil Fuel - Gasoline: 3,900 liters - Boats - 6.74 tCO<sub>2</sub>e

Fossil Fuel - Diesel: 1,550 liters - Vans/Buses - 9.40 tCO<sub>2</sub>e

#### Scope 2 - Indirect emissions from purchased energy

**Electricity:** 25,518 Kilowatt-hours - Clubs - 2.48 tCO<sub>2</sub>e

#### Scope 3 - Emissions in the supply chain involved in organizing the event

**Organic Waste:** 5 tons - Club food - 4.14 tCO<sub>2</sub>e

**Total emissions subtotal:** 25,260 tCO<sub>2</sub>e

**\*Uncertainties:** 20% of total emissions - 5.05 tCO<sub>2</sub>e

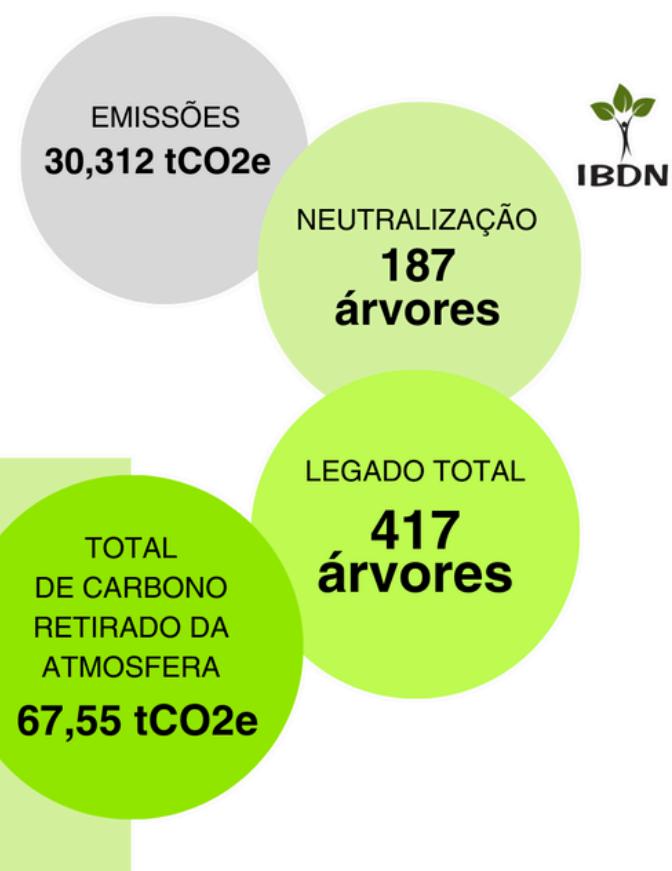
\*May arise in data collection and/or emission factors related to fuel consumption (fleet age/fuel quality), weighing of organic waste, among other factors.

**Total emissions:** 30,312 tCO<sub>2</sub>e

## A NEUTRALIZAÇÃO

A neutralização das emissões de 30,312 tCO<sub>2</sub>e que ocorreram durante o Campeonato Mundial da Juventude (Búzios, 2023) será feita por meio do plantio de 187 árvores nativas da mata atlântica em área de relevante interesse ecológico na cidade de São Paulo, contribuindo para o projeto de restauro florestal do Parque Ecológico do Tietê e criando o Bosque da Vela nesse local.

Como a World Sailing e a CBVela se comprometeram a plantar uma árvore por atleta inscrito no Campeonato, é importante registrar que o evento ultrapassou o caráter de "neutro de carbono" e deixará um legado total de 417 árvores plantadas no Bosque da Vela, contribuindo para a absorção de 67,55tCO<sub>2</sub>e da atmosfera.



### Text translation

## NEUTRALIZATION

The neutralization of 30,312 tCO<sub>2</sub>e emissions that occurred during the Youth World Championship (Búzios, 2023) will be achieved through the planting of 187 native trees from the Atlantic Forest in an area of significant ecological interest in São Paulo city, contributing to the forest restoration project of the Tietê Ecological Park and creating the Sailing Grove in that location.

Since World Sailing and CBVela committed to planting one tree per athlete registered in the Championship, it is important to note that the event surpassed the "carbon neutral" status and will leave a total legacy of 417 trees planted in the Sailing Grove, contributing to the absorption of 67.55 tCO<sub>2</sub>e from the atmosphere.

**"EMISSIONS 30,312 tCO<sub>2</sub>e"**

**NEUTRALIZATION 187 trees**

**TOTAL LEGACY 417 trees**

**TOTAL CARBON REMOVED FROM THE ATMOSPHERE 67.55 tCO<sub>2</sub>e"**



#### Text translation

#### CERTIFICATE

The Brazilian Institute for Nature Conservation is honored to certify the "Brazil 2023 Youth Sailing World Championships - CBVela - World Sailing" for the voluntary initiative to neutralize carbon emissions from its organization, according to the Scopes defined by the GHG Protocol, and in contribution to Sustainable Development Goal SDG 13 - Action against Global Climate Change (UN Agenda 2023). **30,312 tCO2e** (tons of carbon equivalent) have been neutralized through the planting of **187** native trees from the Atlantic Forest in a forest restoration area at the Tietê Ecological Park. The event went further and additionally removed **37.23 tCO2e** from the atmosphere, resulting in **67.55 tCO2e** neutralized with the planting of a total of **417 trees**.

Certification Period: December 8th to 16th, 2023

Valid Certification for: **2023 Edition**



## Carbon Emissions

A word about the impact of fossil fuel combustion

- Data released by the UN on the occasion of the United Nations Decade of Ocean Science for Sustainable Development (2021-2030) informs us that oceans absorb 25% of the annual global CO<sub>2</sub> emissions from the atmosphere. As a result, they experience a decline in their pH, leading to ocean acidification.
- Acidic oceans pose a threat to ecosystems, biodiversity reduction, food insecurity, and a cycle that over time undermines the oceans' ability to absorb CO<sub>2</sub> from the atmosphere.
- At the Youth World Championship, 6,250 liters of fossil fuel were consumed, resulting in approximately 18 to 22 tons of CO<sub>2</sub> equivalent emissions. Fossil fuel combustion accounted for about 70% of the total emissions directly generated by the event.
- We asked our partner IBDN to calculate the emissions from air travel for all participants for the purpose of generating indicators and assessing the impact of hosting the event, as shown in the table in the following section of this report: over 1,600 tons of CO<sub>2</sub>, requiring the planting of nearly 10,000 trees to neutralize these emissions.
- **If the sport of sailing advocates for the oceans, it is necessary to adopt measures to reduce/replace the use of boats and vehicles powered by fossil fuels; support nautical industry initiatives regarding new fuels/renewable energy sources; consider air travel on airlines committed to reducing carbon footprint.**

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**FLIGHT DATA CONSOLIDATED BY CBVela  
EMISSIONS CALCULATED BY IBDN**

Early arrivals				fator médio de 0,000132	fator de absroção 0,162	
PAÍS	QUANTIDADE	TRECHO IDA e RETORNO - Rio de Janeiro	Distancia	resultado ida e volta	Emissão	Árvores
Argentina	14	Buenos Aires	2.629,00	73612	9.717	59,98
Austria	6	Viena	9.875,00	118500	15.642	96,56
bélgica	8	Bruxelas	9.421,00	150736	19.897	122,82
Bermuda	3	Hamilton	8.228,00	49368	6.517	40,23
Brasil	10	Porto Alegre	1.105,00	22100	2.917	18,01
Canada	16	Toronto	8.244,00	263808	34.823	214,95
Chile	5	Santiago do Chile	2.900,00	29000	3.828	23,63
China	9	Pequim	17.335,00	312030	41.188	254,25
Colombia	1	Bogota	4.496,00	8992	1.187	7,33
Croatia	12	Split	9.557,00	229368	30.277	186,89
Cyprus	2	Limassol	10.284,00	41136	5.430	33,52
Denmark	8	Copenhagen	10.188,00	163008	21.517	132,82
ENP	26	Londres	9.266,00	481832	63.602	392,60
ENP	14	Miami	6.691,00	187348	24.730	152,65
Esvlovênia	15	Liubliana	9.161,00	274830	36.278	223,94
Estonia	5	Talin	11.388,00	113880	15.032	92,79
finlândia	7	Helsinki	11.073,00	155022	20.463	126,31
France	17	Paris	9.159,00	311406	41.106	253,74
GBR	20	Londres	9.266,00	370640	48.924	302,00
Germany	16	Frankfurt	9.566,00	306112	40.407	249,42
Greece	10	Athenas	9.729,00	194580	25.685	158,55
holanda	16	Amsterdam	9.570,00	306240	40.424	249,53
Hong Kong	8	Hong Kong	17.736,00	283776	37.458	231,22
Hungary	1	Budapeste	9.995,00	19990	2.639	16,29
Ilhas Cayman	3	George Town	15.685,00	94110	12.423	76,68
Ireland	9	Dublin	10.256,00	184608	24.368	150,42
israel	13	Tel Aviv	10.306,00	267956	35.370	218,33
Italy	20	Roma	9.177,00	367080	48.455	299,10
Japan	15	Tokyo	18.725,00	561750	74.151	457,72
Letônia	2	Riga	10.855,00	43420	5.731	35,38
malta	2	Malta	8.916,00	35664	4.708	29,06
Mexico	11	Cidade do Mexico	7.652,00	168344	22.221	137,17
Norway	8	Oslo	10.413,00	166608	21.992	135,75
NZL	17	Wellington	11.852,00	402968	53.192	328,34
Peru	6	Lima	3.725,00	44700	5.900	36,42
Poland	17	Varsóvia	10.406,00	353804	46.702	288,28
Portugal	14	Lisboa	7.709,00	215852	28.492	175,88
Puerto Rico	9	San Juan	5.420,00	97560	12.878	79,49
república tcheca	12	Praga	9.889,00	237336	31.328	193,38
Servia	3	Belgrado	9.910,00	59460	7.849	48,45
Singapore	10	Singapura	15.760,00	315200	41.606	256,83
South Africa	7	Cidade do Cabo	6.094,00	85316	11.262	69,52
Spain	17	Madrid	8.140,00	276760	36.532	225,51
Suécia	8	Estolcomo	10.697,00	171152	22.592	139,46
suiça	16	Genebra	9.144,00	292608	38.624	238,42
Taiwan	2	Taipei	18.940,00	75760	10.000	61,73
Turkey	15	Instanbul	8.438,00	253140	33.414	206,26
Ucrania	3	Frankfurt	9.566,00	57396	7.576	46,77
US Virgin Island	5	Ilhas Virgens Americanas	5.125,00	51250	6.765	41,76
USA	19	Nova York	7.716,00	293208	38.703	238,91
ITO	3	Roma - Itália	9.177,00	55062	7.268	44,87
ITO	2	Kuala Lumpur	15.680,00	62720	8.279	51,11
ITO/World Sailing	11	Londres	9.266,00	203852	26.908	166,10
ITO	3	Buenos Aires	2.629,00	15774	2.082	12,85
ITO	2	Lisboa	7.709,00	30836	4.070	25,13
ITO	1	Warshaw - Polônia	10.460,00	20920	2.761	17,05
NTO	4	Florianópolis	726,00	5808	0.767	4,73
NTO	4	Brasília	917,00	7336	0.968	5,98
NTO	6	Porto Alegre	1.105,00	13260	1.750	10,80
NTO	2	Salvador	1.232,00	4928	0.650	4,02
NTO	1	Fortaleza	2.184,00	4368	0.577	3,56
<b>TOTAIS GERAIS</b>	<b>551</b>		<b>0</b>	<b>538.463,00</b>	<b>10.065.188</b>	<b>1.328,605</b>
				incertezas	20%	1640,25
				<b>TOTAL DE ÁRVORES</b>		<b>9.841,52</b>



## Solid Waste

- Guided by the principles and objectives of the National Solid Waste Policy, Law No. 12,305/2010, the event adopted measures for waste generation prevention, reduction, and recycling with environmentally and socially appropriate disposal.
- Acknowledging that recyclable waste constitutes an economic asset and social value, generating employment and income and promoting citizenship, guided the partnership with a local recycling cooperative - the only one formally registered in the city.
- To avoid the generation of plastic waste, durable cups were provided to event participants; water fountains were installed at the clubs; food utensils were made of cardboard and wood; straws were made of biodegradable material.
- The Brazilian Institute of Nature Defense - IBDN carried out the waste management work, with the results presented below.



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## REPRODUCTION - IBDN REPORT

### GERENCIAMENTO DOS RESÍDUOS RECICLÁVEIS

- Visita técnica à cidade e aos dois clubes para verificação da infraestrutura, recursos humanos, fornecedores relacionados à organização do evento, serviços públicos de coleta, busca de cooperativa
- Orientação técnica aos gestores dos clubes e ao pessoal de limpeza em relação à dinâmica da gestão ambientalmente correta dos resíduos
- Sinalização das caixas coletoras (orgânico/reciclável)



### GERENCIAMENTO DOS RESÍDUOS RECICLÁVEIS

- Treinamento e acompanhamento diário das atividades da equipe de limpeza, responsável pelo recolhimento dos resíduos nas lixeiras e disposição adequada para os fins do gerenciamento ambientalmente correto
- Articulação com cooperativa local para coleta dos resíduos recicláveis; acompanhamento diário da retirada dos materiais
- Contabilização dos resíduos recicláveis e orgânicos gerados durante o evento



### Text translation

#### RECYCLABLE WASTE MANAGEMENT

- Technical visit to the city and the two clubs to assess infrastructure, human resources, event-related suppliers, public waste collection services, cooperative search.
- Technical guidance to club managers and cleaning staff regarding environmentally correct waste management dynamics.
- Labeling of collection boxes (organic/recyclable)
- Training and daily monitoring of the cleaning team's activities, responsible for waste collection in bins and proper disposal for environmentally correct management purposes.
- Coordination with local cooperative for recyclable waste collection; daily monitoring of material removal.
- Accounting for recyclable and organic waste generated during the event

#### SOBRE A COOPERATIVA

A cidade de Búzios não é atendida por serviço público de coleta seletiva. A COCARE - Cooperativa dos Catadores de Recicláveis da Região dos Lagos foi a única identificada pelo IBDN na localidade. Visitamos as instalações da cooperativa e checamos a documentação para firmar a parceria, que se mostrou essencial para a gestão dos resíduos recicláveis gerados no evento.

Após o evento, o IBDN elaborou e doou para a COCARE uma logomarca, como forma de apoiar a institucionalização da cooperativa.



#### Text translation

#### ABOUT THE COOPERATIVE

Búzios city is not served by public selective waste collection service. COCARE - Recyclable Collectors Cooperative of the Lakes Region was the only one identified by IBDN in the locality. We visited the cooperative's facilities and checked the documentation to establish the partnership, which proved essential for managing recyclable waste generated at the event.

After the event, IBDN developed and donated a logo to COCARE, supporting the institutionalization of the cooperative.

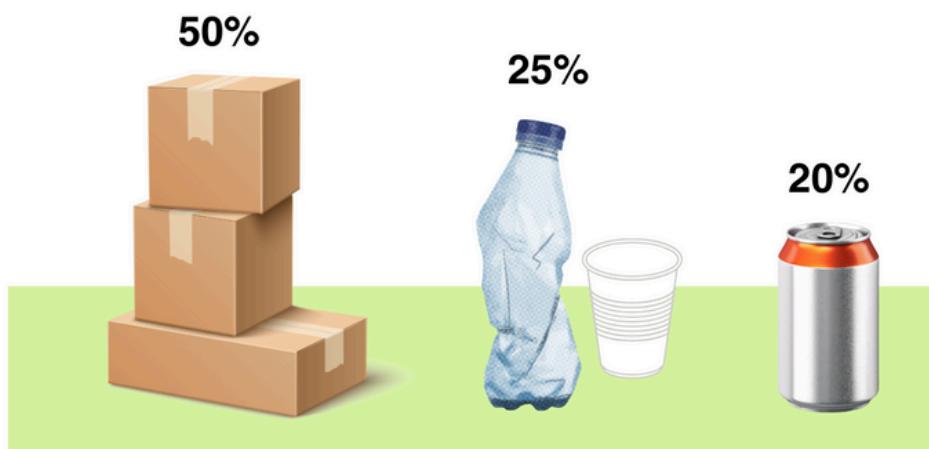
## OS RESÍDUOS RECICLÁVEIS DESTINADOS À COOPERATIVA

No late Clube de Armação de Búzios foram corretamente descartados e recolhidos 245 quilos de material, sendo 40% papel/papelão, 20% latínhas de alumínio, 30% de resíduos plásticos, como copos e garrafas PET, 10% de materiais variados

No Búzios Vela Clube foram corretamente descartados e recolhidos 137 quilos de material, sendo 60% papel/papelão, 20% latínhas de alumínio, 20% de resíduos plástico, como de copos e garrafas PET



**382 Kg de resíduos recicláveis** foram destinados de forma **ambientalmente e socialmente correta**



### Text translation

#### RECYCLABLE WASTE SENT TO THE COOPERATIVE

At the Armação de Búzios Yacht Club, 245 kilograms of material were correctly disposed of and collected, with 40% paper/cardboard, 20% aluminum cans, 30% plastic waste such as cups and PET bottles, and 10% miscellaneous materials.

At the Búzios Vela Clube, 137 kilograms of material were correctly disposed of and collected, with 60% paper/cardboard, 20% aluminum cans, 20% plastic waste such as cups and PET bottles.

**"382 kg of recyclable waste** were disposed of in an **environmentally and socially correct manner.**"

## REPRODUCTION - IBDN REPORT

### SOBRE OS RESÍDUOS ORGÂNICOS

Esse item em especial está dentro das "INCERTEZAS" indicadas no cálculo das emissões de carbono, devido à ação de terceiros no transporte, pesagem e disposição no aterro - fatores sobre os quais a organização do evento não tem poder de gerenciamento.

Os sacos eram recolhidos diariamente pelo serviço de coleta da Prefeitura de Búzios. Utilizamos a balança do caminhão da cooperativa parceira para fazer uma pesagem por amostragem. Na amostragem, aferimos que os sacos pesavam em média 25 quilos cada. Foram destinados ao serviço de coleta, em média, 20 sacos por dia, nos dois pontos de coleta.

20 sacos de 25 Kg x 10/dias = 5 toneladas de resíduo orgânico  
Emissão de 4,14 tCO<sub>2</sub>e



OBS: o resíduo orgânico era armazenado em sacos pretos, para diferenciar dos recicláveis, recolhidos em sacos brancos.



### Text translation

#### ABOUT ORGANIC WASTE

This particular item is within the "UNCERTAINTIES" indicated in the carbon emissions calculation, due to third-party actions in transportation, weighing, and disposal in the landfill - factors over which the event organization has no management control.

Bags were collected daily by the Búzios City Hall collection service. We used the scale of the cooperative's truck to weigh them by sampling. In the sampling, we found that the bags weighed an average of 25 kilograms each. An average of 20 bags per day was sent for collection at both collection points.

"20 bags of 25kg x 10 days = 5 tons of organic waste  
Emission of 4.14 tCO<sub>2</sub>e"

**Note:** Organic waste was stored in black bags to differentiate them from recyclables, which were collected in white bags.



## Waste Management Areas for Improvement

### Packaging for boards and equipment

- Waste Generation from Cardboard Packaging, originating from the packaging of the boards used at Búzios Sailing Club, was not previously identified. The information was that the packaging of the equipment would be preserved for use in transporting them at the end of the World Championship.
- The packaging, in large volume, was all discarded at the same time. The cooperative, when contacted, rescheduled its work schedule to remove the material, negatively impacting the times designated for waste removal at both clubs at the beginning of the operation.

#### Areas for improvement for future events:

1 - Prior consultation with all stakeholders involved in the event to identify the types of waste that may be generated by each, in order to establish a scheduled solution for disposal.

2 - Sharing responsibility for environmentally correct disposal of packaging among the stakeholders involved in the marketing and use of the equipment.



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## Waste Management Areas for Improvement

### Plastic

➤ The ban on single-use plastic still remains a challenge for sailing events. Despite the alternatives offered and the guidance given to food suppliers, the use of PET water bottles and plastic cups accounted for 25% of the recyclable waste generated. In the support boats for the regattas, which could serve as examples of good practices, PET bottles were widely used, as verified by the cleaning teams upon the boats' return to the clubs. It is important to note that in the locality, there is a large supply of plastic utensils (plates, cutlery, cups) and industrially packaged products made of plastic in all trade and service establishments. Visits to markets, stationery stores, and hotel supply stores confirmed this reality.



### Areas for improvement for future events:

- 1 - Explicit requirement of non-use of disposable plastic in contracts with suppliers;
- 2 - Prior communication to technicians and team leaders about the objective/commitment to ban single-use plastic with indication of existing alternatives;
- 3 - Tie the objective/commitment to some honorable mention/award for teams that follow the recommendation to ban single-use plastic.



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## Waste Management Areas for Improvement

### Organic Waste

➤ The event generated 5 tons of organic waste - mostly food waste - which were placed in black bags and collected daily by the municipal public waste collection service, destined for landfill. A problem identified by waste management in the early days was the contamination of recyclable waste with food scraps. Food and cleaning teams were instructed to adopt procedures that minimized contamination - for example, emptying cardboard containers with lots of food scraps before sending them to the cooperative, and sending them separately from "clean" waste such as PET bottles and aluminum cans. As a result, there was a reduction in the amount of organic waste sent to the landfill and an increase in the amount of material suitable for recycling by the cooperative.

#### Area for improvement for future events:

1 - Requirement of a composting solution in contracts with food suppliers.



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## Waste Management

A word about the partnership with the cooperative

- In locations not covered by public policies for selective waste collection, such as the city of Búzios, partnerships with cooperatives can minimize the impacts of waste generation from events, contributing to prolonging the lifespan of landfills, preserving the environment, and generating income for groups organized around the recycling chain.
- When working with cooperatives, it is essential to understand the group's reality and provide institutional and material support to meet demand. This situation is quite different from a service provision contract.
- When IBDN requested from the person in charge of the cooperative a document detailing the experience of working for a large event, it was found that the group did not have a logo or any practice of issuing reports. IBDN created a logo for COCARE and provided guidance to the group regarding basic administrative practices for future work.



Facilities of COCARE

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## Waste Management

### Positive Impacts

- 382 kilograms of recyclable materials were diverted from the landfill.
- 85% of the recyclable material was utilized by the cooperative.
- The cleaning team received training and guidance on waste separation procedures.
- At ICAB - late Clube Armação de Búzios, the event left a legacy of waste separation infrastructure and procedures and a partnership with the cooperative.
- The COCARE cooperative received a logo and basic guidance on administrative practices and working in partnership with large events.
- The Youth World Championship was the first major event held in the city of Búzios to establish a partnership with the local recycling cooperative, according to the COCARE representatives.



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#### RELATÓRIO DE TRABALHO

Relatório sobre a coleta seletiva realizada durante o evento do Mundial de Juventude de Vela, a atividade de recolhimento ocorreu dos dia 07 a 16 de dezembro em dois locais, no IAC late Clube de Armação de Búzios e no BVC Búzios Vela Clube.

Colocamos vários bags de recicláveis, para facilitar o trabalho das pessoas da limpeza responsáveis pelo recolhimento nas lixeiras, que se diga de passagem foi a melhor separação de resíduos que já recolhemos aqui em Búzios em vários anos de atividade.

As pessoas capacitadas pelo Rogerio do IBDN, fizeram um trabalho ótimo, dando a nós da cooperativa a oportunidade de aproveitar mais de 85% dos recicláveis retirados.

#### RESULTADOS:

No IAC late Clube de Armação de Búzios, foram recolhidos um total de 245 quilos de material, sendo 40% papel/papelão, 20% latinas de alumínio, 30% de copos e garrafas PET.

No BVC Búzios Vela Clube, foram recolhidos um total de 137 quilos de material, sendo 60% papel/papelão, 20% latinas de alumínio, 20% de copos e garrafas PET.

Desde já agradeço o convite feito pelo Rogerio do IBDN e a oportunidade realizar nosso trabalho em um evento tão importante aqui na nossa cidade, ficamos a disposição para outras edições e parcerias.

Armação de Búzio, 08 de janeiro de 2024.

Iúla Aparecida de Oliveira  
Presidente

RUA Amalia Ribeiro dos Santos, 02 – São José – Armação de Búzios – Rio de Janeiro – Brasil

#### Text translation

#### WORK REPORT

Recyclable Collectors Cooperative of the Lakes Region

Report on selective collection carried out during the Youth Sailing World Championship event, the collection activity took place from December 7th to 16th in two locations, at the Armação de Búzios Yacht Club and at the Búzios Vela Clube.

We placed several bags of recyclables to facilitate the work of the cleaning staff responsible for collecting from the bins, which, by the way, was the best waste separation we have ever seen here in Búzios in several years of activity.

The people trained by Rogério from IBDN did an excellent job, giving us, at the cooperative, the opportunity to utilize more than 85% of the recyclables collected.

#### Results:

At the Armação de Búzios Yacht Club, a total of 245 kilograms of material were collected, with 40% paper/cardboard, 20% aluminum cans, and 30% cups and PET bottles.

At the Búzios Vela Clube, a total of 137 kilograms of material were collected, with 60% paper/cardboard, 20% aluminum cans, and 20% cups and PET bottles.

I thank Rogério from IBDN for the invitation and the opportunity to carry out our work at such an important event here in our city. We are available for other editions and partnerships.

Armação de Búzios, January 8th, 2024.



11 CIDADES E  
COMUNIDADES  
SUSTENTÁVEIS



## Attention to the City

- The event was organized in line with the efforts of the Búzios City Hall regarding the promotion of quality of life, safety, health, and environmental protection.
- Licenses were issued by the Military Police, Civil Police, and the Brazilian Navy.
- Civilian firefighters and an ambulance with medical staff were made available to the audience of the Championship at both clubs, in compliance with Ordinance Law 550/2006, which deals with the organization of events in the municipality of Búzios.
- ICAB - late Clube Armação de Búzios received a visit from the Municipal Postures Code inspection team - Complementary Law 6/2002, which addresses issues related to hygiene, waste storage and collection, prevention against air and water pollution, tranquility, and public welfare.
- The Environmental Police of the State of Rio de Janeiro, responsible for forest policing, protection of natural resources, and ensuring environmental preservation, also visited ICAB, in accordance with State Decrees No. 9,520/1986 and 10,376/1987.
- The CBVela team, through the regatta manager assistant and athlete of adapted sailing, Luiz Cézar do Nascimento Faria, welcomed a representative from the Municipal Secretariat for Persons with Disabilities to present an overview of adapted sailing in Brazil.



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17 PARCERIAS E MEIOS  
DE IMPLEMENTAÇÃO



## Partnership with the Government of the State of Rio de Janeiro

- Partnership established with the Government of the State of Rio de Janeiro, through the Secretary of State for Environment and Sustainability, strengthened the institutional commitment of the Youth World Championship to the global sustainability agenda.



- The Youth World Championship officially integrated the Rio 2030 action platform, which activates, mobilizes, and engages social actors such as government, private sector, academia, and civil society in the development and implementation of solutions related to the challenges of the 2030 Agenda.
- Along with the State Environmental Institute (Inea) of the Government of the State of Rio de Janeiro, an analysis of water quality in the Búzios racecourses was conducted, presented in the following document.
- Ricardo Calçado, the Youth Coordinator of the Secretary of Environment and Sustainability, held the Sailing & Sustainability session, which resulted in the production of the "Letter of the Youth World Championship Búzios 2023", with significant contributions to the understanding and advancement of the relationship between sailing and sustainability. The letter is presented in the following section.

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6 ÁGUA POTÁVEL  
ESANEAMENTO



14 VIDA NA  
ÁGUA



17 PARCERIAS E MEIOS  
DE IMPLEMENTAÇÃO



## Water Quality

- On November 16 and 27, 2023, technicians from the State Environmental Institute (Inea) of the Government of the State of Rio de Janeiro, accompanied by the CBVela team, collected water samples from the racecourses defined for the World Championship.
- The samples underwent bacteriological analysis, which indicated "Waters suitable for sailing competition," according to parameters established by Resolutions No. 357 and No. 274 of the National Council for the Environment (CONAMA) and in compliance with the parameters indicated by World Sailing.
- Inea released the results in a Special Bulletin. During the Championship, the issue was positively covered by the media.



Mundial da Juventude de Vela tem qualidade da água aprovada em Búzios (RJ)

As análises resultaram em um boletim especial para o Mundial, e os resultados indicam que a água está em um nível de qualidade superior ao exigido pela World Sailing.

Terra / Dec 12, 2023



Qualidade da água do Mundial da Juventude 2023 é aprovada

Testes realizados pelo INEA confirmam que a água nas raias do Mundial da Juventude 2023 está acima dos padrões estabelecidos pela World Sailing – Federação Internacional de Vela. Amostras foram coletadas e...

Webventure / Dec 12, 2023

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Diretoria Segurança Hídrica e Qualidade Ambiental

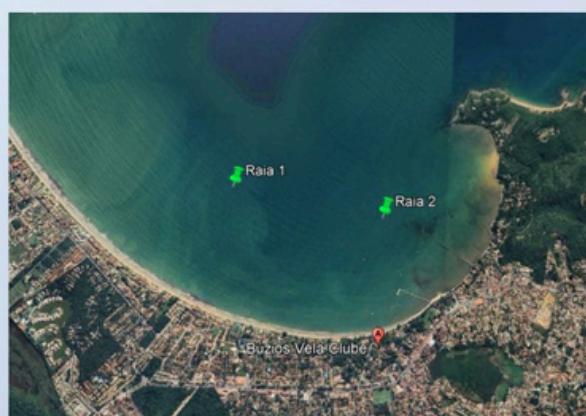
Gerência de Qualidade das Águas

01/12/2023 - 10h00

## Boletim Especial

001/2023 - Búzios

### Análise bacteriológica nas raias de competição de vela



#### Condições da água nas raias:

O monitoramento nas duas raias ocorreu nos dias 16 e 27 de novembro. Os resultados bacteriológicos, enterococcus em Número Mais Provável (NMP) /100 mL, resultantes nas duas coletas, para as duas raias, ficou abaixo do limite de detecção do método (Enterolert) de análise, e muito abaixo do níveis mínimos preconizados para água salina, classe 1 - contato secundário (400 NMP/100 mL) e primário (100 NMP/100 mL), de acordo com a CONAMA 357/2005 e CONAMA 274/2000, significando:

#### ÁGUAS PRÓPRIAS

para disputa de competição de vela.

#### Text translation

INEA - Water Security and Environmental Quality Directorate  
Water Quality Management  
December 1st, 2023 - 10:00 a.m.

Special Bulletin  
001/2023 - Búzios

#### Bacteriological Analysis in Sailing Competition Courses:

#### Water conditions in the courses:

Monitoring in both courses took place on November 16th and 27th. The bacteriological results, enterococci in most probable number (NMP)/100ml, resulting from the two collections, for both courses, were below the detection limit of the method (Enterolert) of analysis, and well below the minimum levels recommended for saline water, class 1 - secondary (400 NMP/100ml) and primary contact (100 NMP/100mL), according to CONAMA 357/2005 and CONAMA 274/2000, meaning:

**Waters suitable for sailing competition.**





# Charter

## MEETING FOR SUSTAINABILITY YOUTH SAILING WORLD CHAMPIONSHIPS BÚZIOS 2023



AMBIENTE E  
SUSTENTABILIDADE





Charter  
MEETING FOR SUSTAINABILITY  
YOUTH SAILING WORLD CHAMPIONSHIPS



## Introduction

Our meeting took place within the **Youth Sailing World Youth Championships**, Búzios 2023. A championship that brought together approximately 1,000 people from 62 countries, including athletes, teams, volunteers and the public.

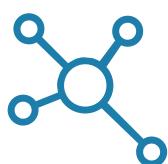
We were present at the Youth Sailing World Cup in this important partnership between SEAS and CBVela in favor of a more sustainable event with positive impact and legacies for our planet.

We had the honor of promoting the "**Meeting for Sustainability**" with young people at the World Cup where they developed a letter/document connecting the main SDGs, challenges and solutions for the sport of Sailing for sustainability.

Our purpose, successfully met at the event, was to show that sport and the environment are closely interconnected. Sports practices and socio-environmental practices are elements that not only can, but should be included in the daily lives of each of us and serve to consolidate values.

Furthermore, we developed participatory work with the participants that resulted in this document that reflects on **connections, challenges and solutions between sailing and sustainable development**.

These reflections are summarized in the answers to 3 questions:



**What are the Sustainable Development Goals that most relate to sailing?**



**What are the main challenges faced by Sailors to reach those goals?**



**What are the solutions and innovative actions that could be adopted by Sailing to accomplish those goals?**



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YOUTH SAILING WORLD CHAMPIONSHIPS



## What are the Sustainable Development Goals that most relate to sailing?

**3** GOOD HEALTH AND WELL-BEING



SDG 3 aims to ensure **health and well-being for all**. Sailing, as a sport and recreational activity, contributes to SDG 3 by promoting physical and mental health, and fostering environmental stewardship. The physical activity involved in sailing helps prevent non-communicable diseases, while the interaction with nature can positively impact mental health. Furthermore, the environmentally friendly nature of sailing aligns with SDG 3's target of reducing illnesses from environmental pollution.

**6** CLEAN WATER AND SANITATION



SDG 6 focuses on **clean water and sanitation**. Sailing contributes to SDG 6 through monitoring water quality, promoting sustainable use of water resources, and educating about water conservation. Sailors can advocate for clean water and participate in reducing water pollution. Sustainable sailing practices help conserve water ecosystems.

**13** CLIMATE ACTION



SDG 13 calls for urgent action to **combat climate change**. Sailing contributes to SDG 13 by promoting environmentally friendly practices and raising awareness about climate change. The sport depends on natural wind power, reducing reliance on fossil fuels. Sailors can advocate for climate action and participate in initiatives to reduce carbon emissions.

**14** LIFE BELOW WATER



SDG 14 aims to **conserve and sustainably use oceans, seas, and marine resources**. Sailing contributes to SDG 14 by promoting clean water, reducing marine pollution, and advocating for marine life. Sailors can participate in initiatives to protect marine ecosystems. Sustainable sailing practices help conserve marine areas.



# Charter MEETING FOR SUSTAINABILITY YOUTH SAILING WORLD CHAMPIONSHIPS



## What are the main challenges faced by Sailors to reach those goals?

- **Cost** for sustainable equipment (SDG 9).
- **Technology** is not moving so fast to maintain the demand of items/equipment that can be recycled (ODS 9).
- **Sail industry** (SDG 9).
- It is difficult to **maintain mental health**, for example, especially when we are high-performance sailors (SDG 3).
- It is difficult to **maintain water quality**, as it does not depend only on us, but on the government (SDG 14).
- In Brazil, for example, we had the first **black person to compete** in an Optimist World Cup (elite championship), in 2019 (SDG 10).
- In all countries we have sailing as an **elitist sport**, only for the rich (SDG 10).
- Use of **fossil fuels** (SDG 13).
- The **sunscreen** chosen for use impacts marine life (SDG 14).
- Lack of **support from public and private institutions** (SDGs 6 and 14).
- Lack of **environmental education** of the local population (SDG 14).
- Lack of **preservation** of local fauna and flora (SDG 14).
- Lack of **universal basic sanitation** (SDG 6).
- Lack of **physical fitness** and lack of personal desire to exercise (SDG 3).
- Dumping of **sewage and garbage** into water (SDGs 6 and 14).
- **Predatory fishing** (SDGs 6 and 14).
- Dumping of **fuel into water** (ODS 6 and 14).



# Charter

## MEETING FOR SUSTAINABILITY

### YOUTH SAILING WORLD CHAMPIONSHIPS



#### What are the solutions and innovative actions that could be adopted by Sailing to accomplish those goals?

- Put a deadline of the equipment to be **recyclable** (ODS 9).
- Encourage, beyond results, the **mental health** of athletes - through psychologists, free time, family (SDG 3).
- Hold governments and the population **accountable** (SDG 14).
- Encourage **social policies**, free sports programs. Rebeca Andrade, for example, started in gymnastics with a program like this (SDG 10).
- **Biofuels** (SDG 13).
- Sunscreens **without aggressive filters** (ODS 14).
- Greater **support from public and private** institutions (SDGs 6 and 14).
- Greater investment in **environmental education** and awareness.
- Greater investment in **basic sanitation** (SDG 6).
- Encourage **concentration activities**, such as reading and meditation (SDG 3).
- Development of better **technologies for cleaning** trash in regatta areas (SDG 6).
- Severely **punish** boaters who purposefully dump trash into the water (SDG 6).
- Encourage the sailor to do general physical work with **physiotherapist and psychological support**.



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**YOUTH SAILING WORLD CHAMPIONSHIPS**  
BÚZIOS 2023



AMBIENTE E  
SUSTENTABILIDADE





## Other Positive Impacts

676 people accommodated in the city

Local Hires:

Food services  
Cleaning services  
Security services  
Transportation services  
Marine services  
Civil firefighter  
Healthcare services  
Cooperative services



Guidance on doping provided by a representative from World Sailing.



Total: 50 volunteers

21 women

29 men

Active search for volunteers to achieve gender parity; division of tasks without reproducing gender stereotypes; training on anti-racist, anti-discrimination, and anti-misogyny sports.



Partners committed to sustainability



Nude.



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Volunteers

