



RegattaScope

Manual of the Administrator of the System Regattascope.



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1. General Information

Administrative interface of Regattascope is the web-application and is disposed <http://club.interprocom.ru>

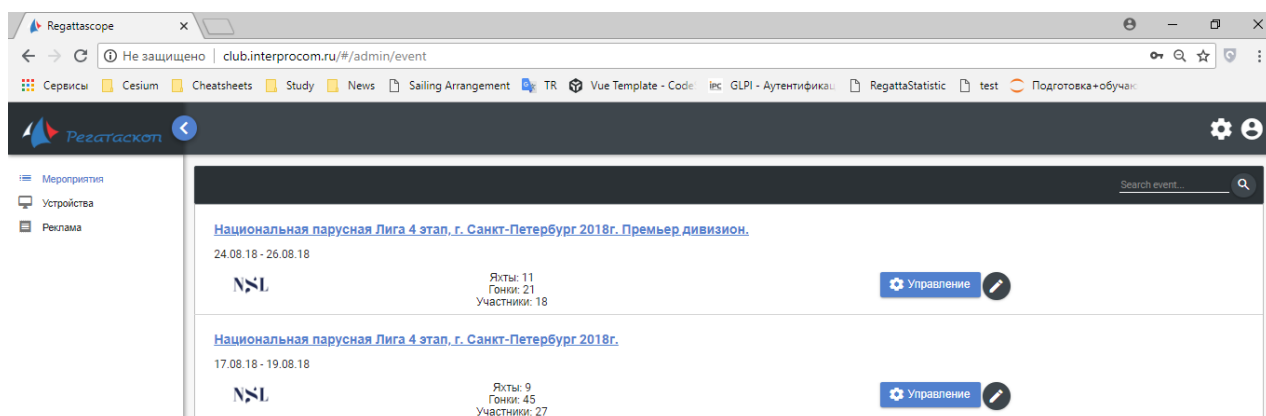
The account for the administrator

ID- *****

Password – *****



The main screen of the administration system after registering in the system



The main screen provides the access to all yacht club events or the regattas organizer and its GPS-monitoring devices.

The review of the recorded races is available in the web-application <http://www.regatta3d.ru/> or on the certain page of the site of the yacht-club/ regattas organizer.

Unlike the administrative access, this access is anonymous and no authorization is demanded.

1.1.Main terms

Club – juristic or physical person or association organizing sport events (regattas). GPS – monitoring devices are registered for the club. To manage the club there should be an account giving the right to administer the event.

The event - the racing (regatta) or training event combining the complex of races, boats, participants, check points, devices and optional objects.

The race – separate competition between the participants of the event on boats according to the stated distance. The race has the start and finish on time, the class boats and stated distance. There are two types – Fleet Races and Changing Races. **Fleet Races** – when every sportsman or team race their boat during the whole regatta. Changing Races – when the amount of participants exceeds the amount of boats or yachts. The race could be of two types: The Race and The Starts. The Race is the sport event with the stated distance with at least two check points of start and finish. Start is the sport event where the distance contains only one check point, for example, starting gate. The latter is optimized for the raining process.



The Distance consists of the check point sequence, which can be made of one or two buoys/signs.

GPS monitoring devices (trackers) are registered for the certain boats in every event.

2. Main operations

Before the event starts you should:

Check the intactness and battery charge of the trackers (GPS device), wind trackers. If you use other devices for the track recording, make sure they work properly. For the fixing of GPS devices you need hermetic boxes, protective packets (aquapacks), straps and fixers. Before the start of the event you should check the kitting integrity for the mechanic fault.

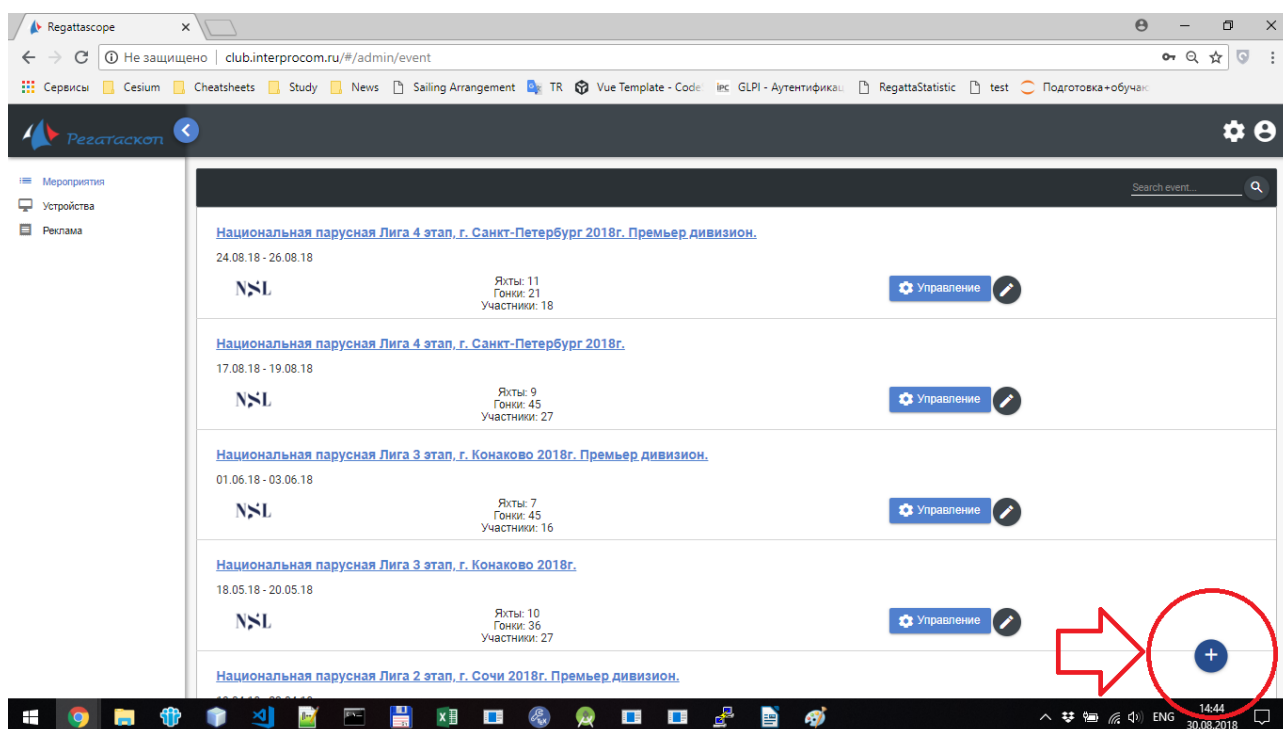
Recommended sequence for the new event organizing

1. Create the event (regatta or training)
2. Enter the participants' list
3. Enter the boat list and approve the GPS device for every boat
4. Enter the buoy list, approve every device or give physical coordinates of its position (latitude and longitude)
5. Create the distance, introducing the sequencing list of check points, consisting of one or two buoys
6. Create the race, introducing the list of the participants on boats and registering the distance
7. On the time updating of the race or training, adjust the start time and the finish of the visualization/ display and also the official start time

2.1.Creating the event

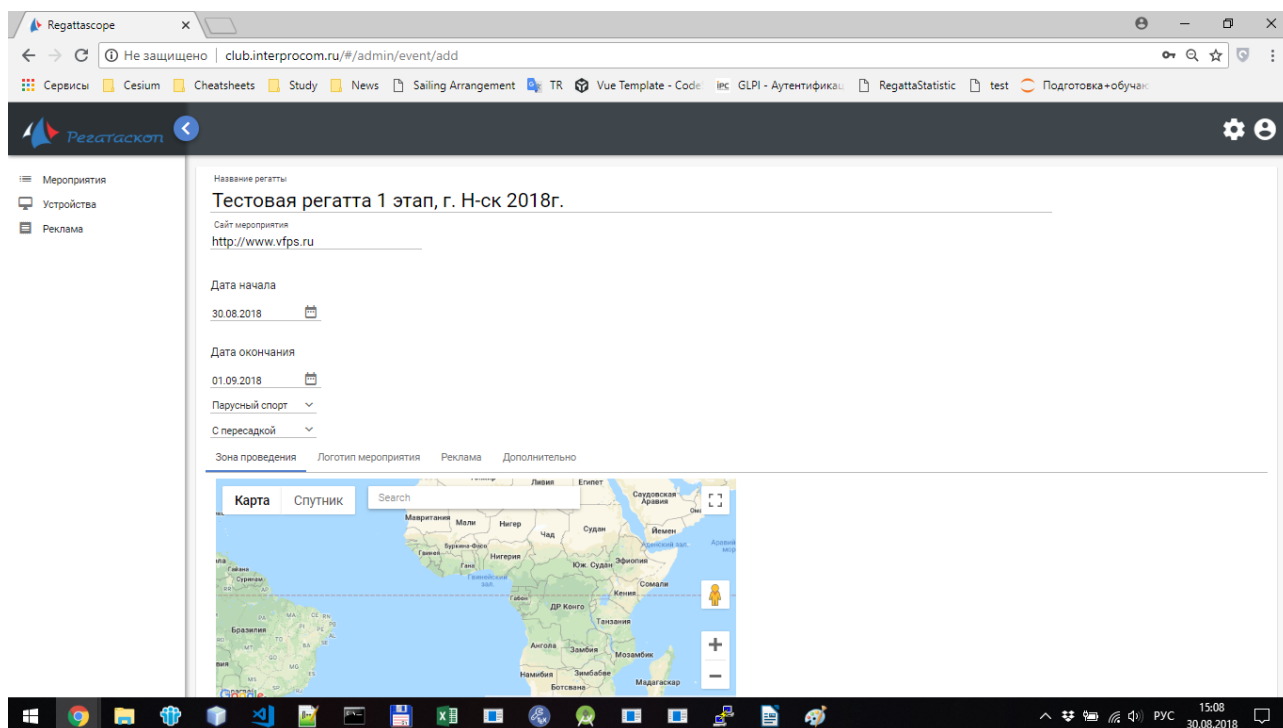
The event is created on the main page by pressing the button “+” -






For the competition you state the name, date and the kind of sport.

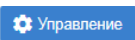
On the first stage you should enter the name of the event, date, kind of sport and the type of the event. It will help the administrator to lead the race.

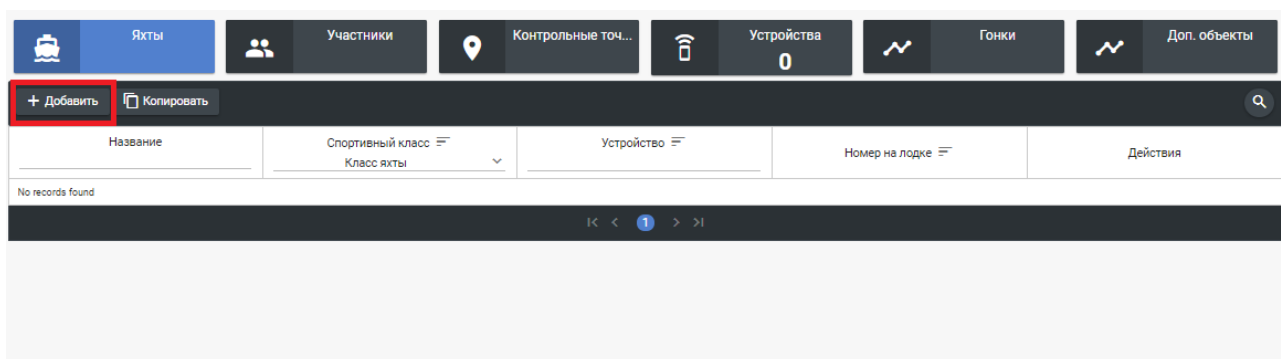


Attention! The competition in which the races are not entered cannot be viewed on the site.



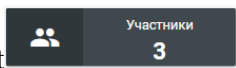
The information change about the event is made by pressing the button EDIT on the main screen - 

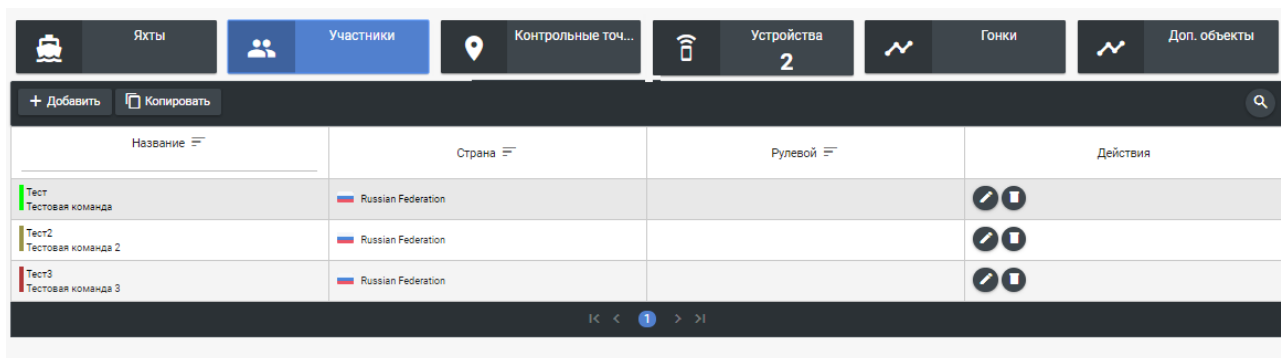
The further work with the event is made on the event page after pressing the button MANAGE - 




The event page gives the access to the list of races and the list options of boats, participants and check points.

2.2. Introducing the participants' list

The work with the list of participants is made on the bookmark Participants after pressing the bookmark on the page of Event 



A new participant is added by pressing the button ADD or “+” 

You give a short name, a full name, country and the track color, footprint of the boat on the main event map for visualization.



Редактировать участника

Тестовая команда

Russian Federation

Цвет

Имя

Александр

Фамилия

Иванов

Рулесой

Добавить члена команды

Сохранить Отмена

A short name is shown during the playback above the boat sail and in the narrow variant of the reference table



A long name is shown in the broad variant of the reference table

2.3. Entering the boat list

The work with the list of boats is made on the bookmark Boats after pressing the bookmark

Boats on the page of the Event

Яхты

Участники

Контрольные точ...

Устройства

Гонки

Доп. объекты

+ Добавить

Копировать

Название	Спортивный класс	Устройство	Номер на лодке	Действия
No records found				



Добавить яхту

Название

Лодка 1

Номер на лодке

1

Номер на парусе

1

380.030


Номера устройств написаны на трекерах.

J/70

Выберите класс яхт в регатте (например J/70).

✓ Добавить

✗ Отменить


A new boat is added after pressing the button ADD or “+” 

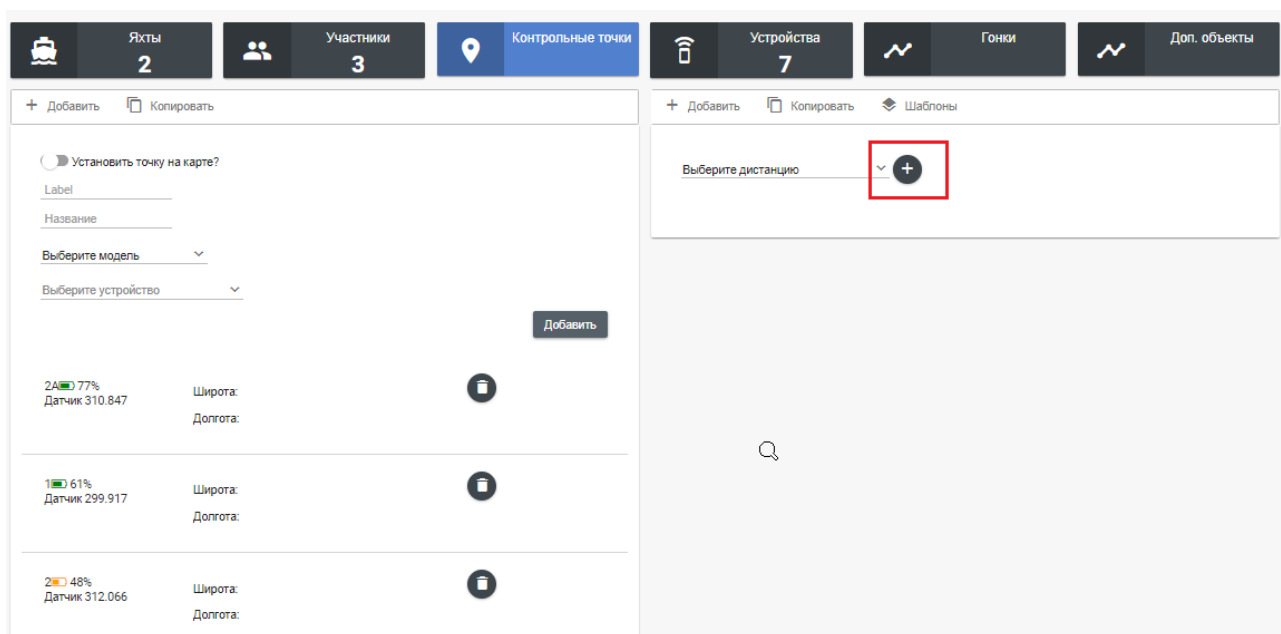
You should state the name of the boat, register the GPS – monitoring device – tracker from the list and choose the class of the boat out of the list. It is worth stating that the available trackers GPS devices or indicators are given to the administrator before his authorization on the site of Regattascope.

The name of the boat is not displayed on the playback. It is used as the connecting indicator on the race introduction to tie the participant to the boat and respectively to the GPS – monitoring device (tracker).

The class of the boat influences on the choice of 3D – model, which is displayed on the event visualization. The amount of available models is constantly upgrading, on all further information about the quality and reality you should apply to the designers.

Working with distance

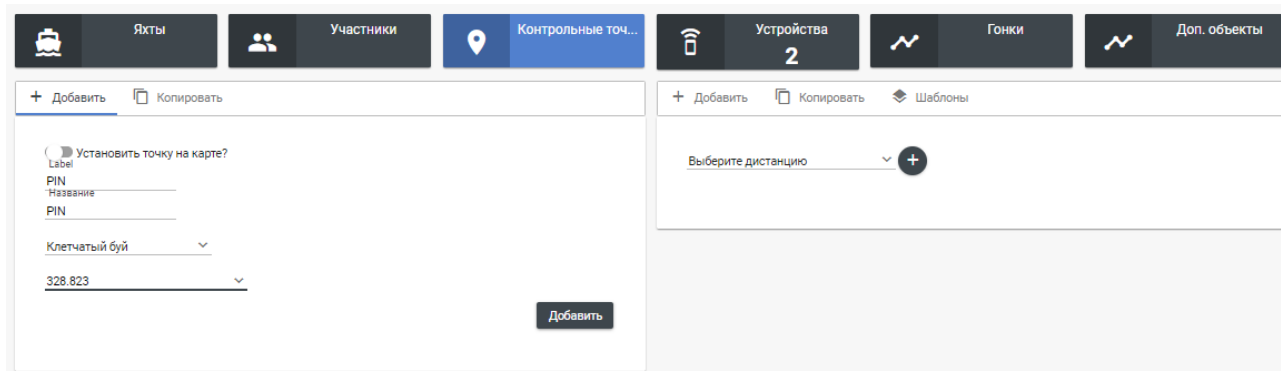
The correctly introduced distance helps to display the reference table about the boat position in the race and follow the leaders and the statistics counting. It can be used in several races or created for every race individually. The distance exists only within the event. It is convenient to work on the bookmark Check points  **Контрольные точки** **5** after pressing the following bookmark on the page EVENTS.

The left part of the bookmark is for the work with buoys, and the right one allows to form the checkpoints and distance out of the buoys.

2.3.1. Adding a buoy

In Regattascope we distinguish two types of buoys, Dynamic buoy – when a tracker is physically set up on the buoy, a mark or any other point which is stated by the distance borders. Static buoy – when the positioning on the area map is made with the help of coordinates, latitude and longitude. In the system you can change the types of buoys from dynamic to static and vice versa. If the GPS – tracker is placed on the buoy, in the name field choose how to display it in the visualization of the event and choose the correspondent tracker from the list. Press the button ADD.



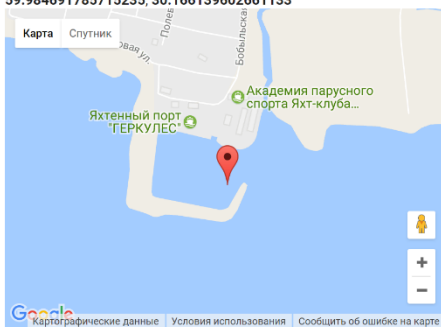


There is the opportunity to set up the distance point by the physical coordinate on the area – latitude and longitude. To do it, move the thumb (scroll box) to “Set up the mark on the map”?

☒ Установить точку на карте?

Название

Нажмите, чтобы отредактировать координаты:
59.984691785715235, 30.166139602661133

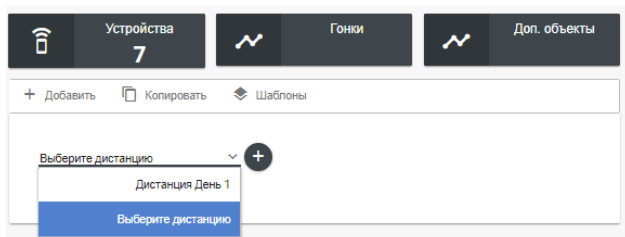


Добавить

This opportunity is useful for the work with state beacons, special landscape, or on setting up the distance “in fact” after the training or race, if the trackers were not placed on the buoys or were lost.

On the right side of the bookmark you can choose or create a new distance

Then in the pulldown of the distance you will see its name



On the distance appearance you are able to add the check points to it.



When a new distance is created and new check points are not available, press “+” to create a new check point of the distance

Добавить контрольную точку
✕

Label

Финиш

Название

Финиш

GCC - 298.968

▼

PIN - 328.823

▼

Правое огибание

▼

✓ Сохранить и выйти

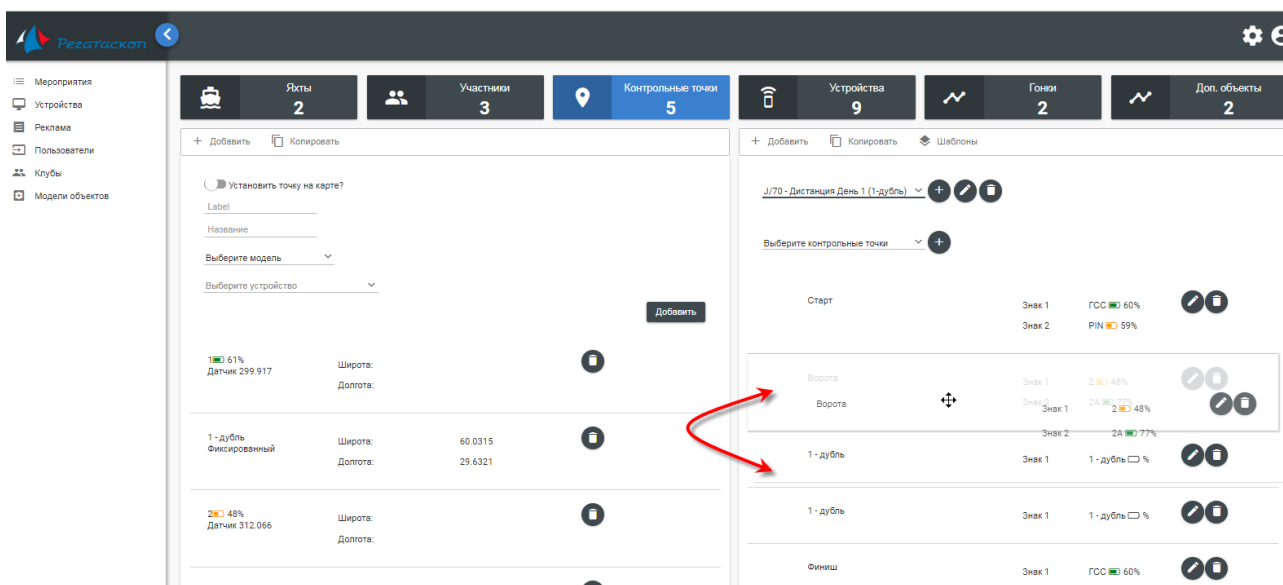
✓ Сохранить

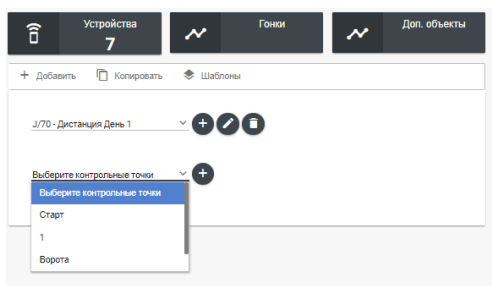
✕ Отмена

The name of the check point could not be displayed at the moment (because every buoy/mark has its own name) and is used for creating the distance. The check point could be made of one buoy/mark or two, if it is a gate, for example the start/finish line. The single buoy is rounded on the stated side and on the gate passing the boat should follow between the buoys. You choose the correspondent marks from the list on the previous step.

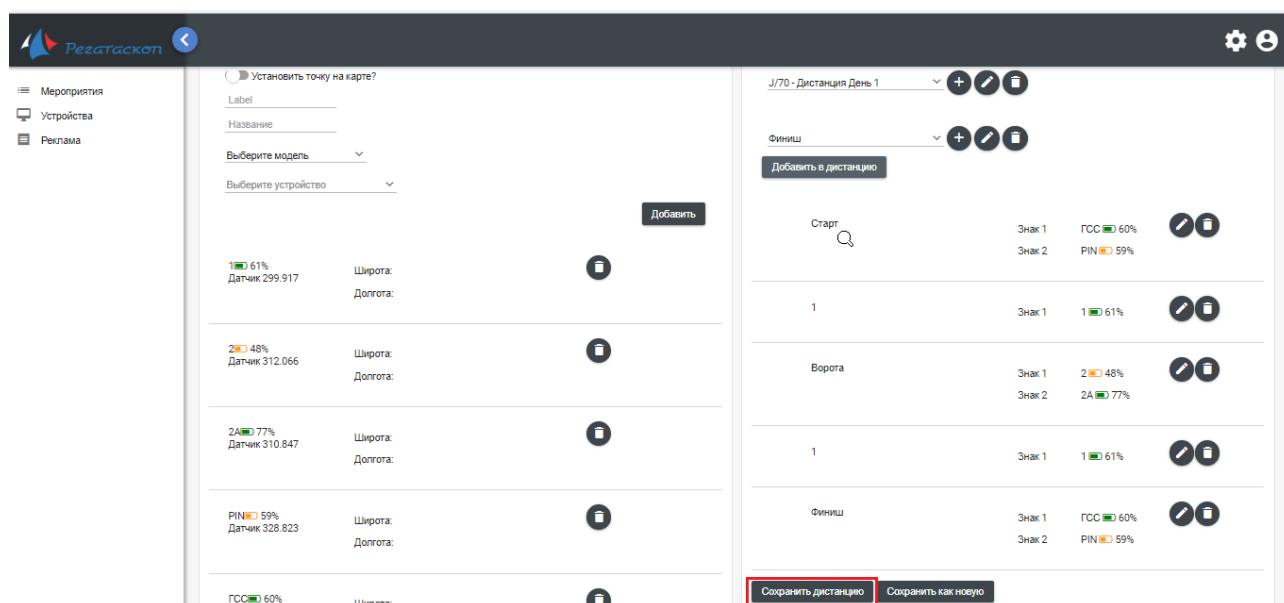
After creating the check point, it should be chosen from the list and added by pressing the button “Add to distance”.

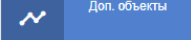
In the following menu the list editing of the distance check point sequence is available in the mode of drag&drop.





You should save the changes after alteration.




In the menu Additional objects  you can add some objects to the picture, they will be displayed in the race field, such as Judges or other objects. Adding of the wind tracker could be a necessary element for the visualization of wind speed and direction on the map of the race process.



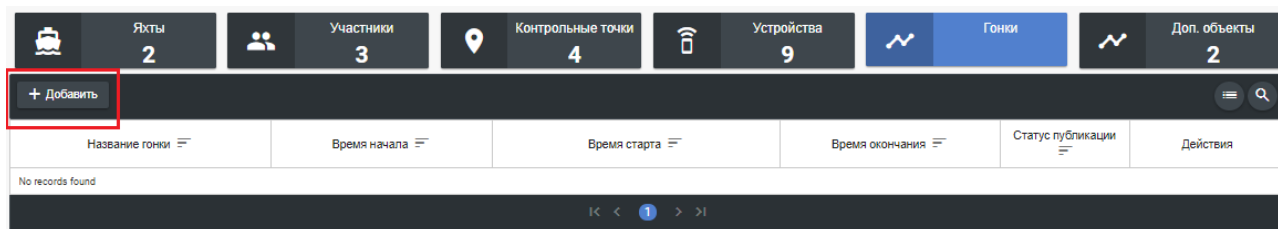


2.4. Creating a race

The work with the list of races is made in the correspondent menu after pressing the button Races on the page Events 

You can differentiate them on various principals “With Changing”, “Fleet Races” or “Training”


The work is shown on the mode “With changing” in the field Races




Название гонки


Гонка 1


Время начала ●

30.08.2018 16:15:16 

Время окончания ■

30.08.2018 16:46:16 

Время старта 

30.08.2018 16:20:16 

-1 Старт гонки +1

Тип гонки

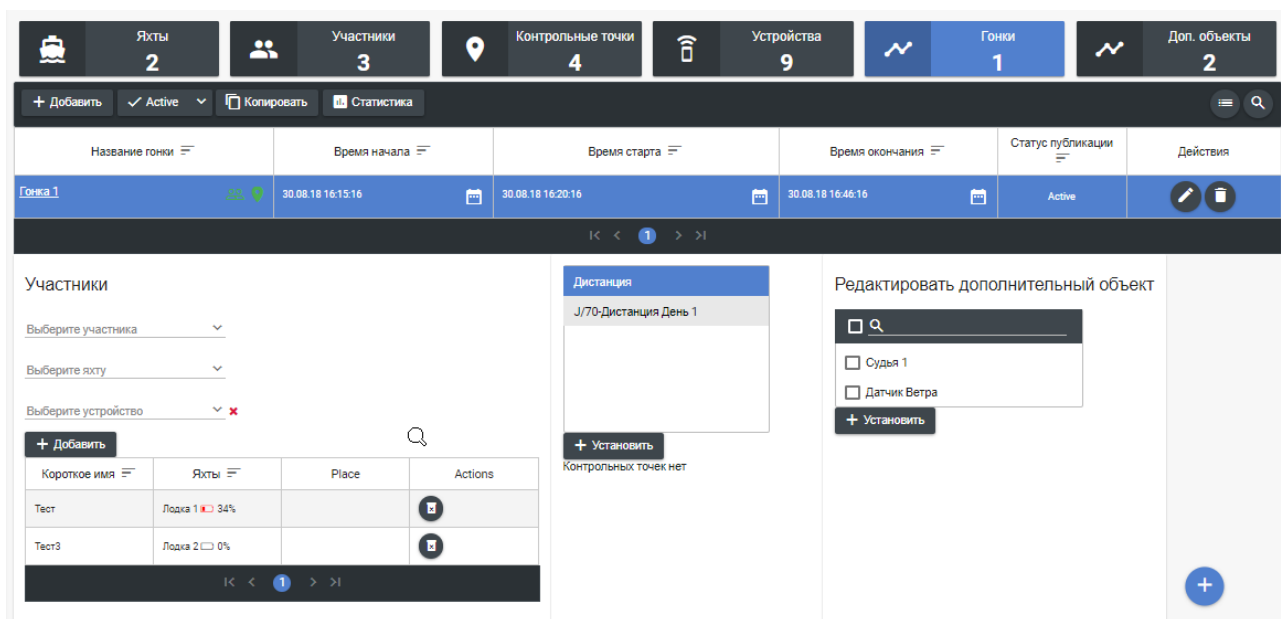
Гонка

Статус публикации

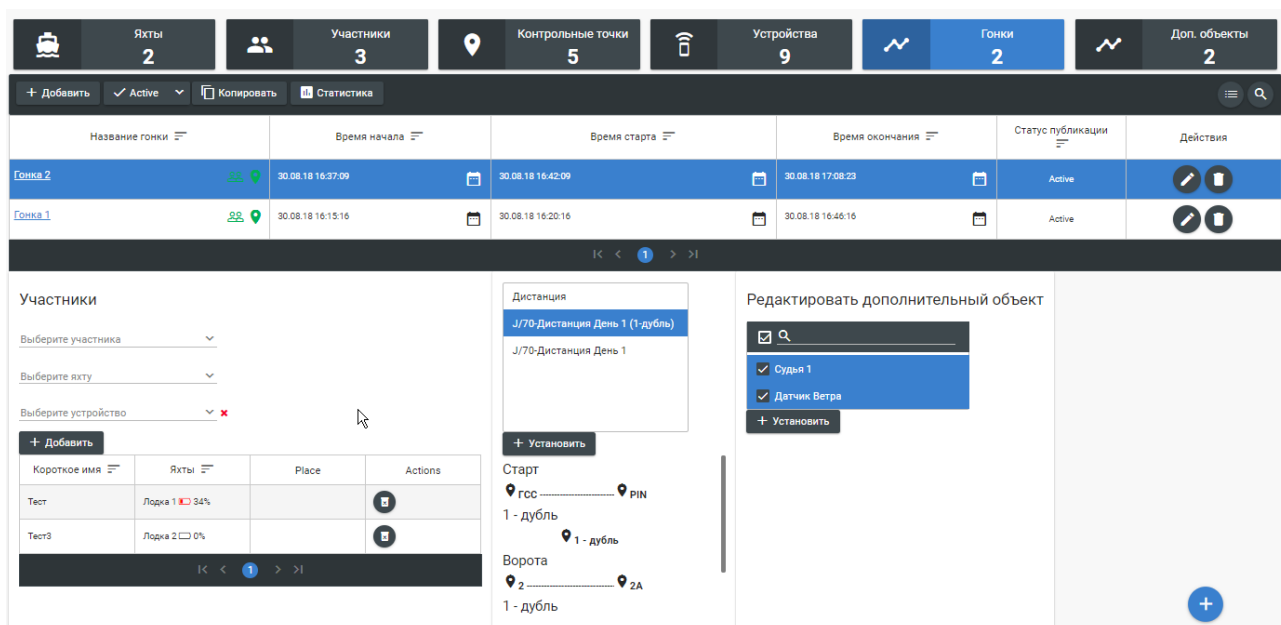
Hidden Disabled Active

Enter the name of the race, the start and finish time and the official time for the start. The status “Hidden” allows to hide the race on the page of the event. In the mode Disable the race will have the status “Soon”, Active– the race will be displayed on the page.

After entering the race, it could be chosen from the list to make corrections in the participants list and setting up the distance. All necessary fields are shown on the screen under the list of races. Place the cursor and highlight the race you need.

In the lower part of the table Race we switch on the distance, in case the distance changed its configuration, for example the upper mark was added or due to the weather conditions one more circle was added, etc we press Set up. In the menu the additional mark also can be changed or added, for example Judges or the Wind tracker.



On the left we enter the participants list, on the right you choose the distance for the race from the ready-made ones. You can create different distances for various conditions. We have viewed it above.

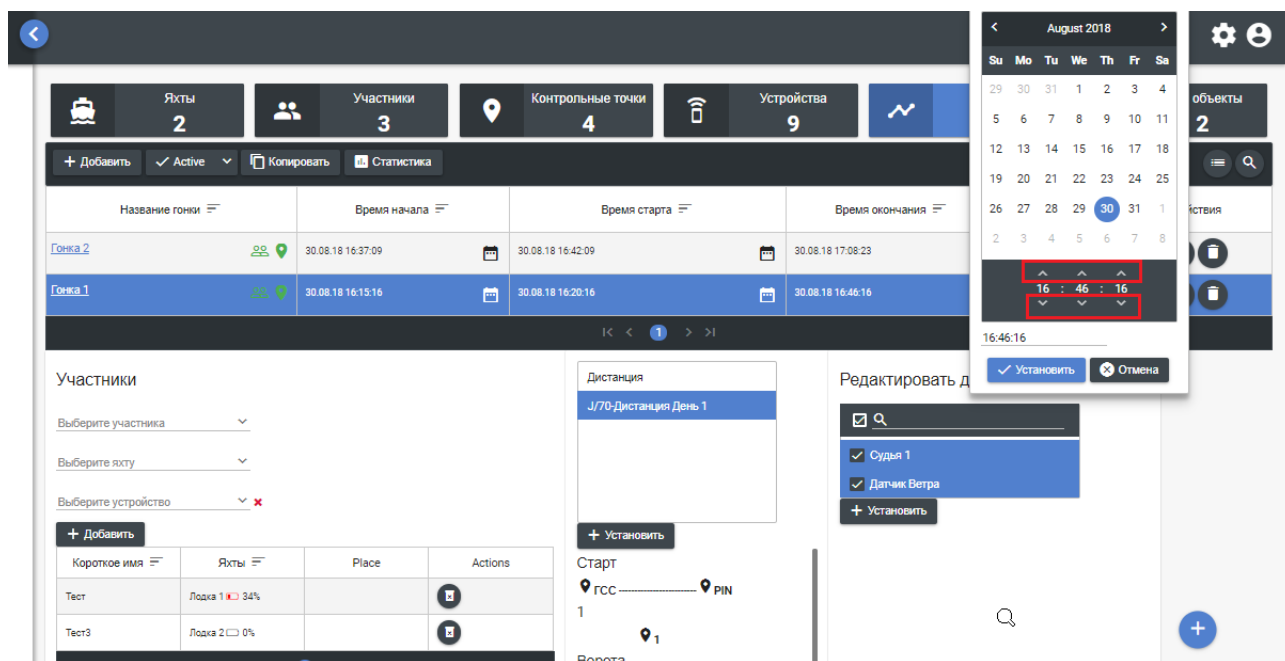


To choose a new participant of the race, opt for him in the pulldown and under that choose the boat on which he is competing. Press the button ADD.

The field “Choose the Device” allows to restate the device which will be used to follow the participant. For example, if a certain boat gets a new tracker instead of a faulty one, you can change it here. So the grid snapping of the tracker and the boat is actual for the whole race, while the grid snapping of the GPS-monitoring device to the participant is only for a certain race.





After choosing the distance for the race in the pulldown , under it you can see the list of check points. Remember to press the button Set up to snap the distance to the race.

Additionally in this menu you can make any corrections on the time of a race, its start and finish. It can be useful if during the race you have some alterations in regulations due to the recall of the start for uncertain time, weather conditions, commands of the judges’ boat during the start of racing procedures.





In this menu of the administrative part of race managing you can simplify the settings allowing to make a simple mode. For that you choose a corresponding icon.





Яхты	Участники	Контрольные точки	Устройства	Гонки	Доп. объекты
2	3	5	9	2	2
<div> + Добавить Active Копировать Статистика </div>					
Название гонки	Время начала	Время старта	Время окончания	Статус публикации	Действия
Гонка 2	30.08.18 16:37:09	30.08.18 16:42:09	30.08.18 17:08:23	Active	 
Гонка 1	30.08.18 16:15:16	30.08.18 16:20:16	30.08.18 16:46:16	Active	 

And the interface will be switched

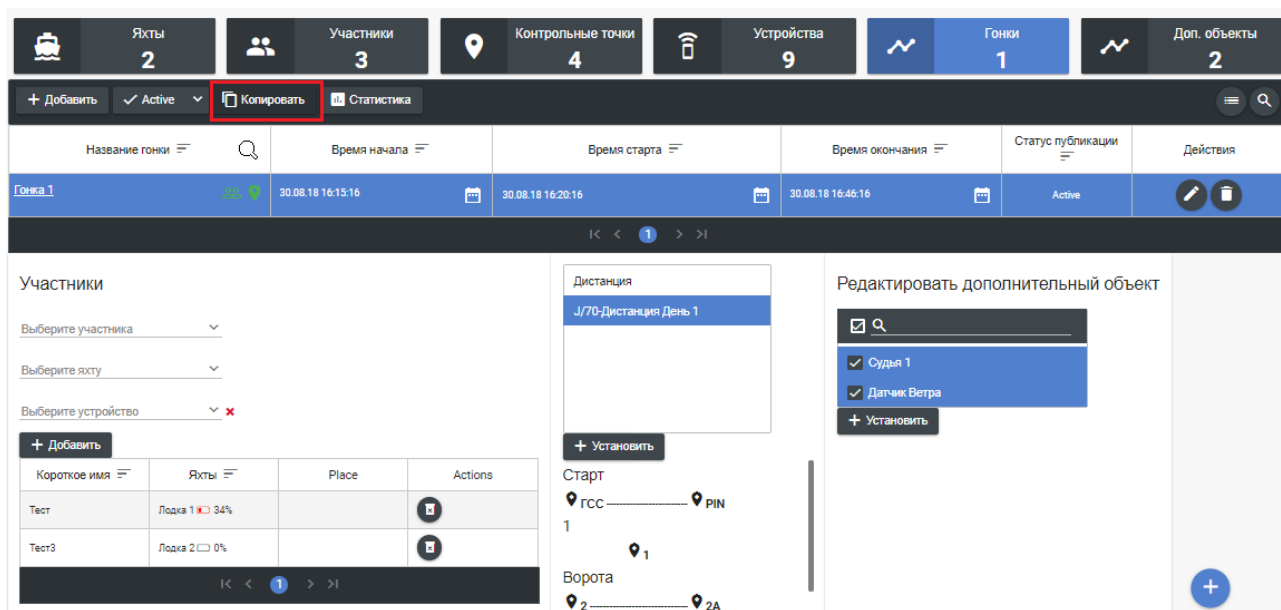
Яхты	Участники	Контрольные точки	Устройства	Гонки	Доп. объекты
2	3	4	9	1	2
<div> + Добавить Active Копировать Статистика </div>					
<div> Гонка 2 Гонка 1 </div>	<div>Поиск по спортсменам...</div> <div> Тест - Тестовая команда Тест2 - Тестовая команда 2 Тест3 - Тестовая команда 3 </div>	<div>Поиск по яхтам...</div> <div> Лодка 1 - 1  34% Лодка 2 - 2  0% </div>	<div>Поиск по участникам</div>		

You will keep a simple principle of the ready-made race, choose the team and the participants according to created patterns viewed above. For example, for the Race 2 fix Boat 1 with the team Test.

Яхты	Участники	Контрольные точки	Устройства	Гонки	Доп. объекты
2	3	4	9	1	2
<div> + Добавить Active Копировать Статистика </div>					
<div> Гонка 2 Гонка 1 </div>	<div>Поиск по спортсменам...</div> <div> Тест2 - Тестовая команда 2 </div>	<div>Поиск по яхтам...</div> <div> No records found </div>	<div>Поиск по участникам</div> <div> Лодка 1 - Тест  Лодка 2 - Тест3  </div>		

2.5. Managing the races

In the process of the race administration it could be necessary create several races with the list of teams in advance. It is useful, if according to the regulations, we have the races with changing and we can copy them from the previous one. Moreover, according to the regulations the list of the order is announced by the judges in advance, usually before the start of the competition.

So the list for the preview will look in the following way on the server of the Regattascope display.




[Главная](#) [События](#) [О решении](#) [Обсуждения](#) [Контакты](#)

Internet-трансляции спортивных мероприятий

[Главная](#) > [Мероприятия](#)

Тестовая регатта 1 этап, г. Н-ск 2018г.

Return

Leaderboard 

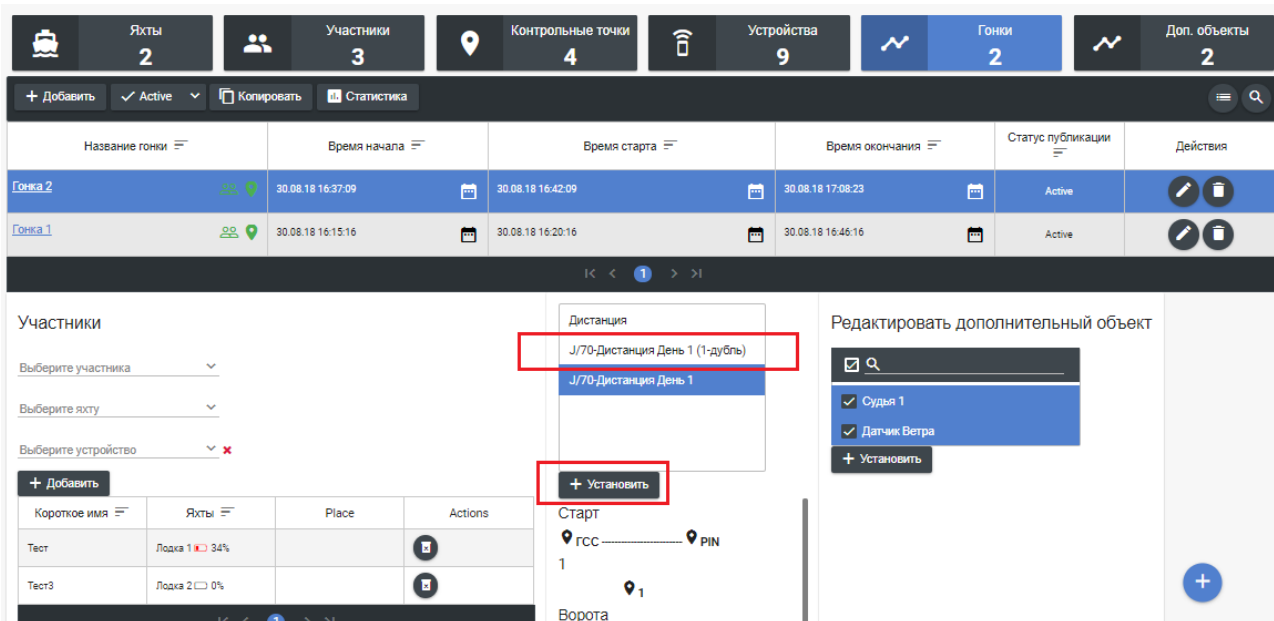
30.08.2018	
Гонка 2	Просмотр
Гонка 1	Просмотр



Distance changing

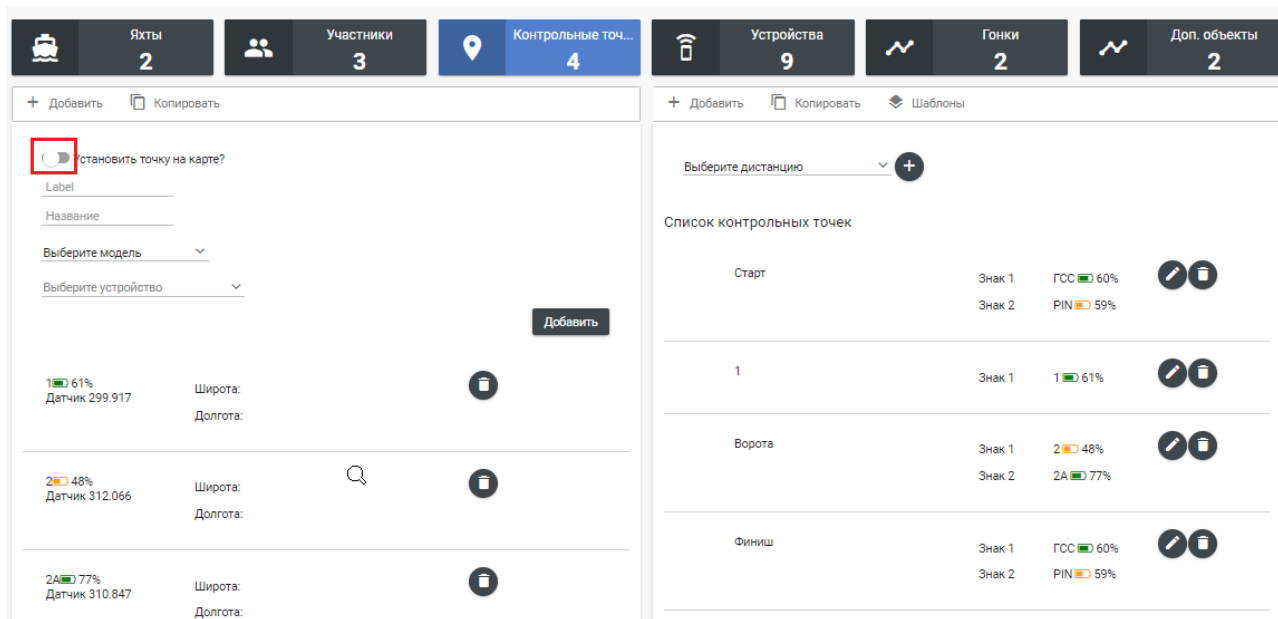
As it was stated above in the process of event preparation you should get ready all the race options, distance, boats, participants, check points, etc. Whereas due to the weather conditions or other technical problems the trackers which are the devices that transfer all the information to the server fall out or get torn from the boats or buoys. In that case it is advisable to enter a new device and give it a new name, for example, Upper mark (double). The lost tracker could not be renamed for the new one as its inner ID will be used for the finished races and they are recorded on the server.

So we just enter the new distance ***J/70 Distance 1 day (1 Double)*** with the new device (tracker) ***«Upper mark (double)»*** and save it for the new races which will take place. Correspondently new races will be held with the new distance.

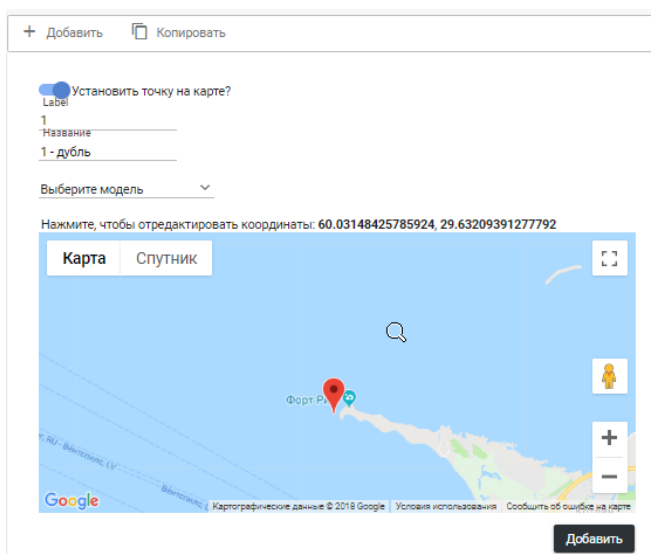


2.7.1 Static buoy (mark)

Static buoy is demanded only when it cannot be placed physically for the distance. According to the race regulations the distance is considered to be agreed and appointed only by the latitude and longitude on the race map.

In that case the administrator can mark the point on the map or enter the coordinates manually.



2.7.2 Changing of the crew, team or participant

This administrative tool is also useful to manage the race if we want to change the member of the team. If we want to note for the Boat 1 a new participant Test 3, it is enough to mark him in the list of sportsmen/ teams and he will be automatically changed in the third window of connected sportsmen and boats.




Название гонки


Гонка 2

Время начала ●

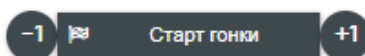
30.08.2018 16:37:09 

Время окончания ■

30.08.2018 17:08:23 

Время старта 

30.08.2018 16:42:09 



Тип гонки

Гонка ▾

Статус публикации

Hidden Disabled Active

Участники



Дистанция

Доп. объекты

Поиск по спортсменам...

Тест - Тестовая команда
Тест2 - Тестовая команда 2
Тест3 - Тестовая команда 3

Поиск по яхам...


















Лодка 1 - 1  34%
Лодка 2 - 2  0%

Поиск по участникам

Лодка 2 - Тест2 ✖
Лодка 1 - Тест ✖

2.8 Managing elements

For the convenience of management and administration the numbers show the amount of created objects, for example 2 boats are entered, 3 participants, etc.

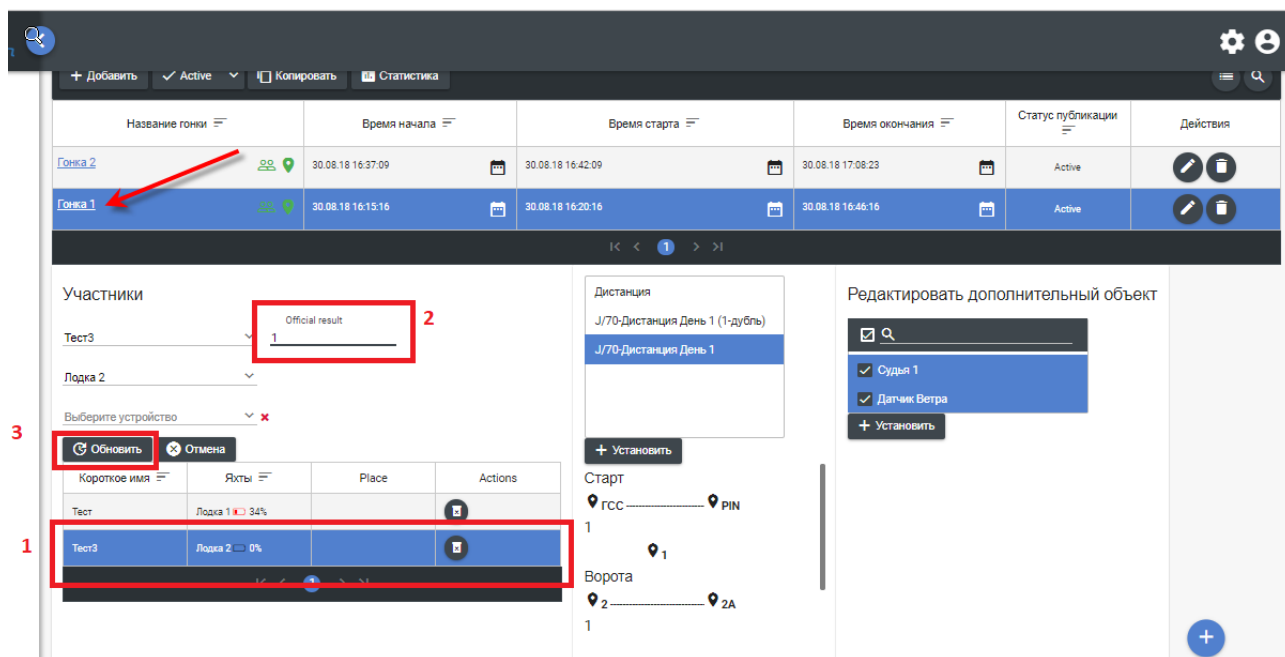
<div>  Яхты 2  Участники 3  Контрольные точки 5  Устройства 9  Гонки 2  Доп. объекты 2 </div>						
+ Добавить 						
Название гонки	Время начала	Время старта	Время окончания	Статус публикации	Действия	
Гонка 2	30.08.18 16:37:09 	30.08.18 16:42:09 	30.08.18 17:08:23 	Active	 	
Гонка 1	30.08.18 16:15:16 	30.08.18 16:20:16 	30.08.18 16:46:16 	Active	 	



3.0 Statistics and Score management

Regattascope is a helpful tool for counting the statistics which is useful in the process of tournament. For that we have the scoring mode, according to the needed rules.

Enter the administrative interface and mark the race you need to score according to the race table.



The screenshot shows the Regattascope administrative interface. At the top, there is a navigation bar with buttons: "+ Добавить", "Active", "Копировать", and "Статистика". Below this is a table with columns: "Название гонки", "Время начала", "Время старта", "Время окончания", "Статус публикации", and "Действия". The table contains two rows: "Гонка 2" and "Гонка 1". A red arrow points to the "Гонка 1" row. Below the table, there is a section titled "Участники" (Participants) with a dropdown menu "Тест3" and a "Ваше устройство" (Your device) section. A red box highlights the "Обновить" (Update) button. To the right of the "Участники" section, there is a "Дистанция" (Distance) section with a dropdown menu "J/70-Дистанция День 1 (1-дубль)". A red box highlights the "1" in the "Official result" field. To the right of the "Дистанция" section, there is a "Редактировать дополнительный объект" (Edit additional object) section with a dropdown menu "Судья 1" and a "Датчик Ветра" (Wind sensor) section. A red box highlights the "1" in the "Ворота" (Gates) section.


In the field "Result" put the score and update the result.

The scores will be added to the table automatically and will create the rating of sportsmen on the public site. Users who follow the competition on-line and after the event in record could see it under the icon Leaderboard.



Internet-трансляции спортивных мероприятий

[Главная](#) > [Мероприятия](#)

Тестовая регатта 1 этап, г. Н-ск 2018г.		Return
Leaderboard 		
30.08.2018		
Гонка 2		Просмотр
Гонка 1		Просмотр

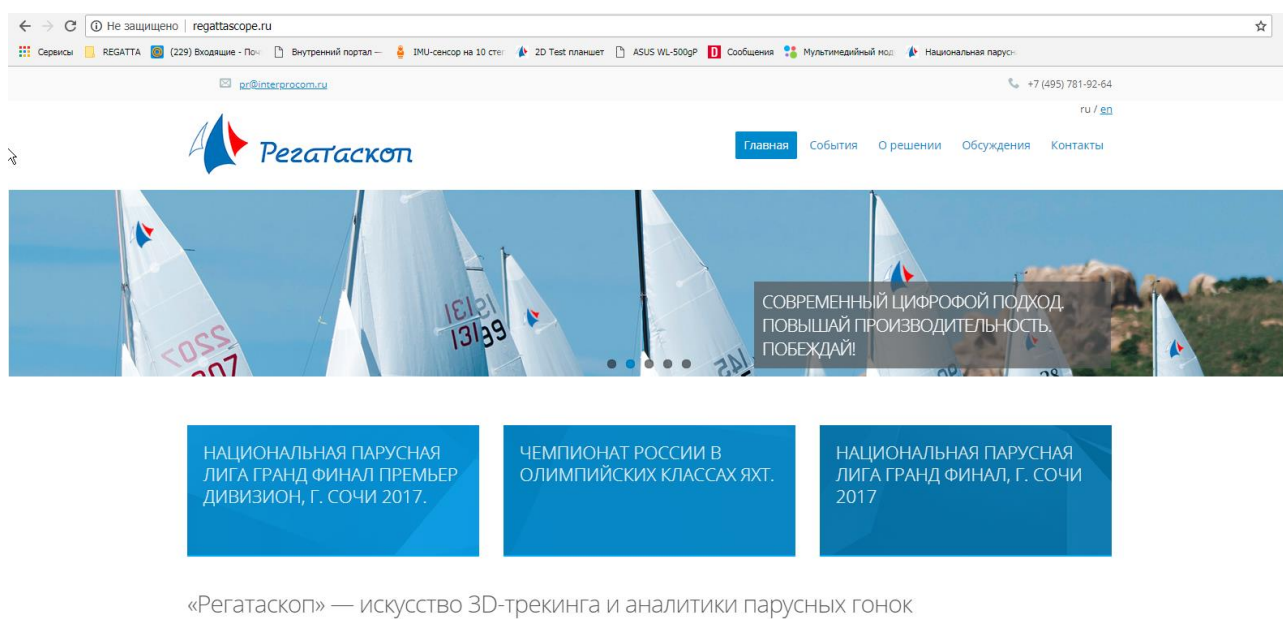
3.0 Displaying the data on the screen for the Internet or the external screen .

Race viewing.

Regattасcope is a powerful engine not only for administrating and managing ragattas or other events but also a convenient interface for the statistics management, scoring and other metrics for the analysis. It is highly important that all data are processed on the server and are available for viewing on any devices iOS, Android, Windows or Linux.

All you need is the Internet access to the server of Regattасcope.

Enter regattасcope.ru



Choose the event and watch

If it is on-line, the icon will be red with the title “On”. If the recording and the time of the race finished, it will be automatically available for the viewing. The icon will be blue with the title

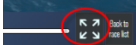
View.

Просмотр

Every race appears as the 3D map with the background of the landscape where the race takes place. The map is manageable, you can change the scale, the angle of the map, magnify the elements of the race, viewing and entering the statics of the competition or the certain race.

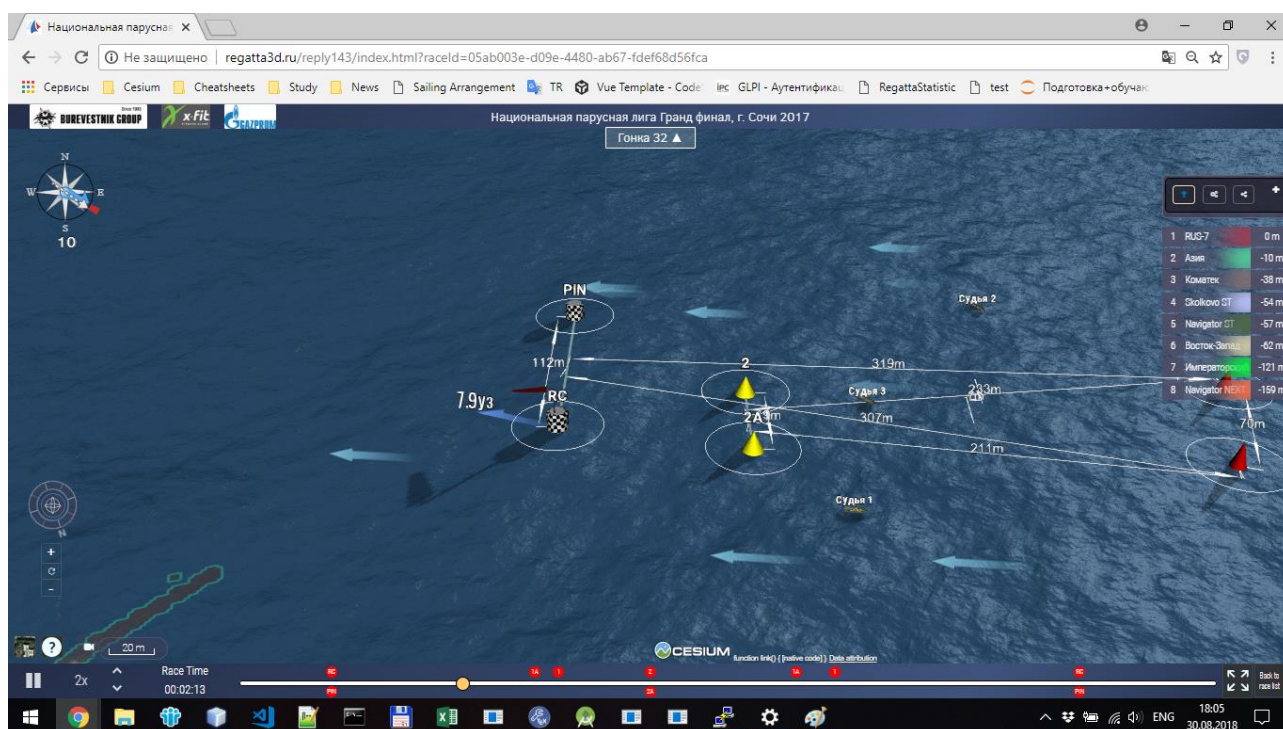
In the full screen mode you can view and rewind it on the slider in the bottom part of the screen.



For entering and exiting the full screen mode press F11 (Chrome, Firefox) or press the right icon at the slider 

For the displaying the scale of the distance, which will help to view the distance between the elements of upper and lower marks, the whole distance, – R, for the mode activation. If you press R once again the view will return to the race view.

The cursor position on the race map allows with the help of the mouse to manage the view – angle, turn and approach of the race track.

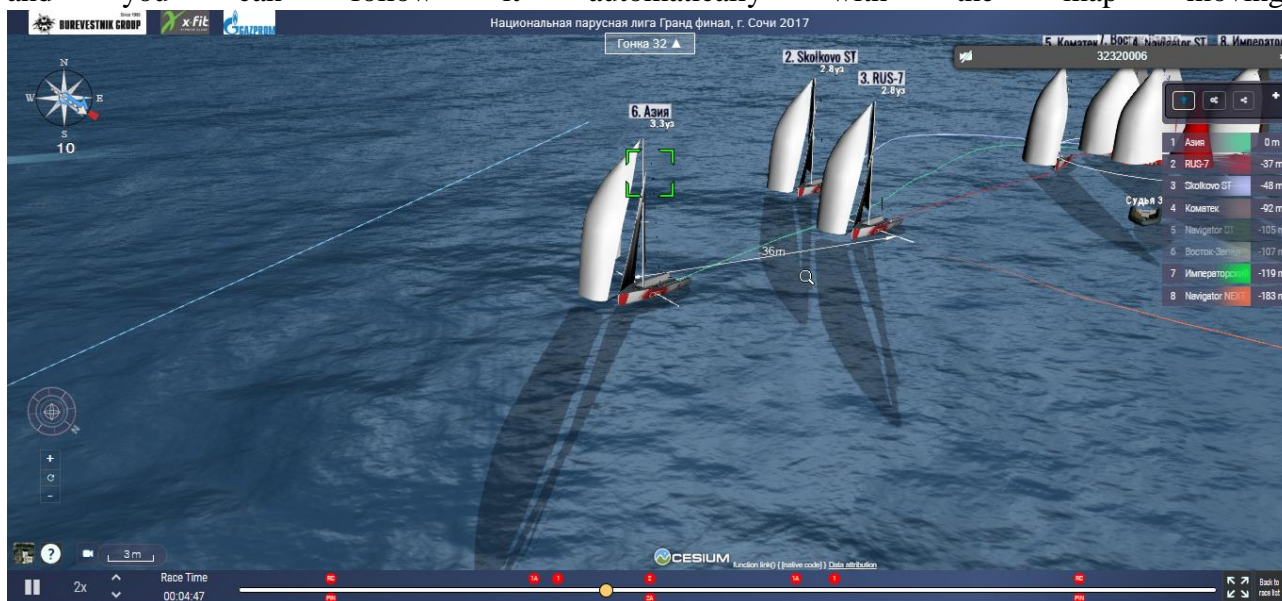


Total statistics of the regatta – press X. In this table you can view the leading position, late start, speed, time and key information about every participant.

НАЗВАНИЕ	НА СТАРТЕ		ПРОЙДЕНО	СКОРОСТЬ		ВРЕМЯ
	ОПОЗДАНИЕ	СКОРОСТЬ		СРЕДНЯЯ	МАКС	
NAVIGATOR ST	14.8 SECONDS	2.0 KTS	1613 METERS	4.1 KTS	8.1 KTS	13 : 01
АЗИЯ	0.8 SECONDS ★	4.6 KTS	1775 METERS	4.4 KTS	8.4 KTS	13 : 11
RUS-7	7.8 SECONDS	4.8 KTS	1686 METERS	3.9 KTS	7.4 KTS	13 : 60
NAVIGATOR NEXT	12.8 SECONDS	2.4 KTS	1911 METERS	4.5 KTS	8.6 KTS	14 : 06
КОМАТЕК	6.8 SECONDS	2.9 KTS	1644 METERS	3.6 KTS	8.2 KTS	14 : 47
SKOLKOVO ST	8.8 SECONDS	4.7 KTS	1685 METERS	3.7 KTS	8.2 KTS	14 : 49
ИМПЕРАТОРСКИЙ	9.8 SECONDS	5.9 KTS ★	1789 METERS	3.9 KTS	7.5 KTS	14 : 56
ВОСТОК-ЗАПАД	14.8 SECONDS	1.2 KTS	1724 METERS	3.8 KTS	9.1 KTS	14 : 58



For the automation of the view you can set up the camera on the leader of a race – press F and you can follow it automatically with the map moving.



The view navigation of the race is available to the left of the slider, the speed of the race winding, current time UTC or the actual time of the race start.

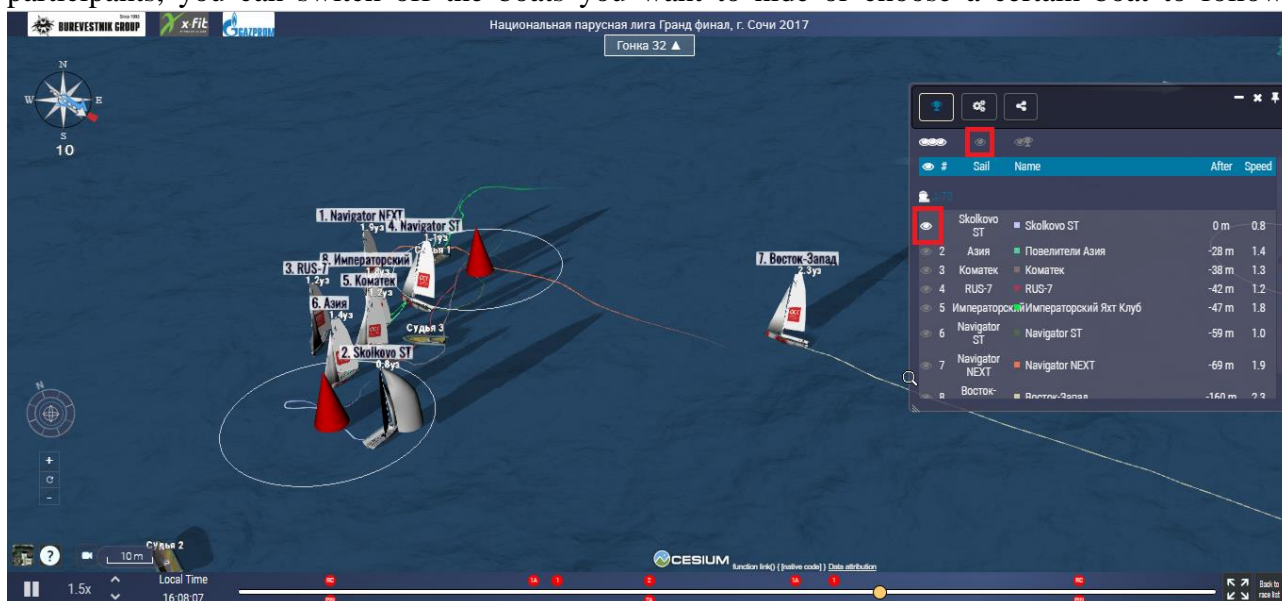


On the lower slider of the map you can manage the race viewing through the points at the moments the regatta was passing the marks and buoys. Put the cursor at the needed point and you can see the moment on the map.

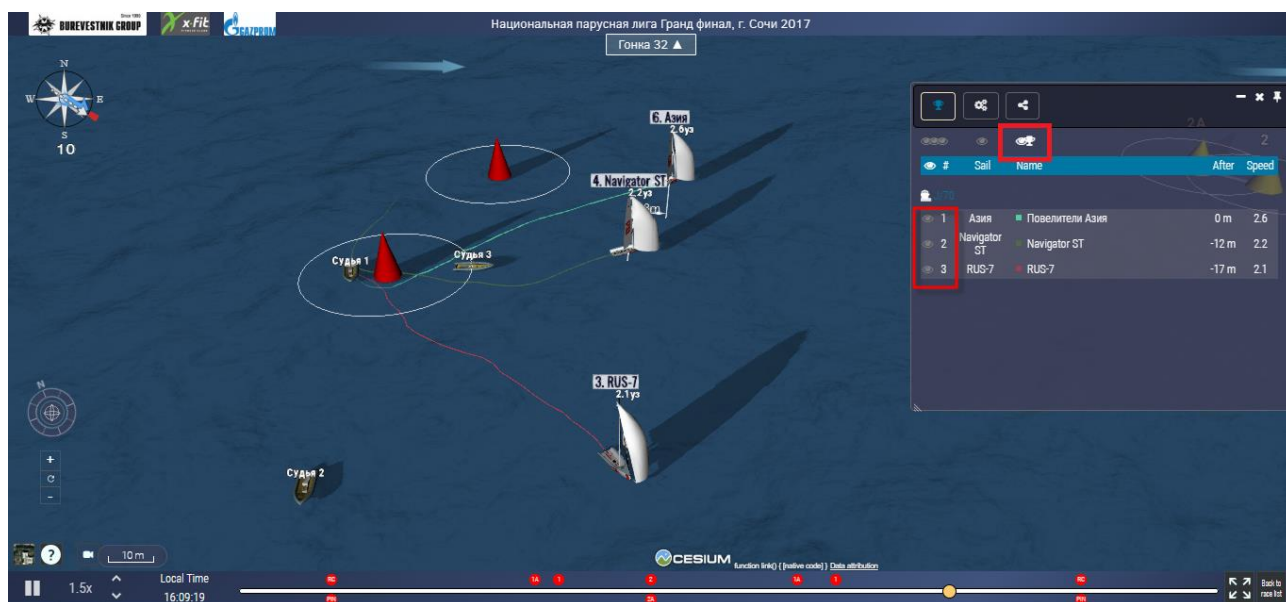




In the removing menu in the right upper part of the screen you can see the order of the participants, you can switch off the boats you want to hide or choose a certain boat to follow.



In the full menu you can choose the mode of viewing three leading boats, all the other participants will be hidden and not seen. This function is available in the replay mode too.



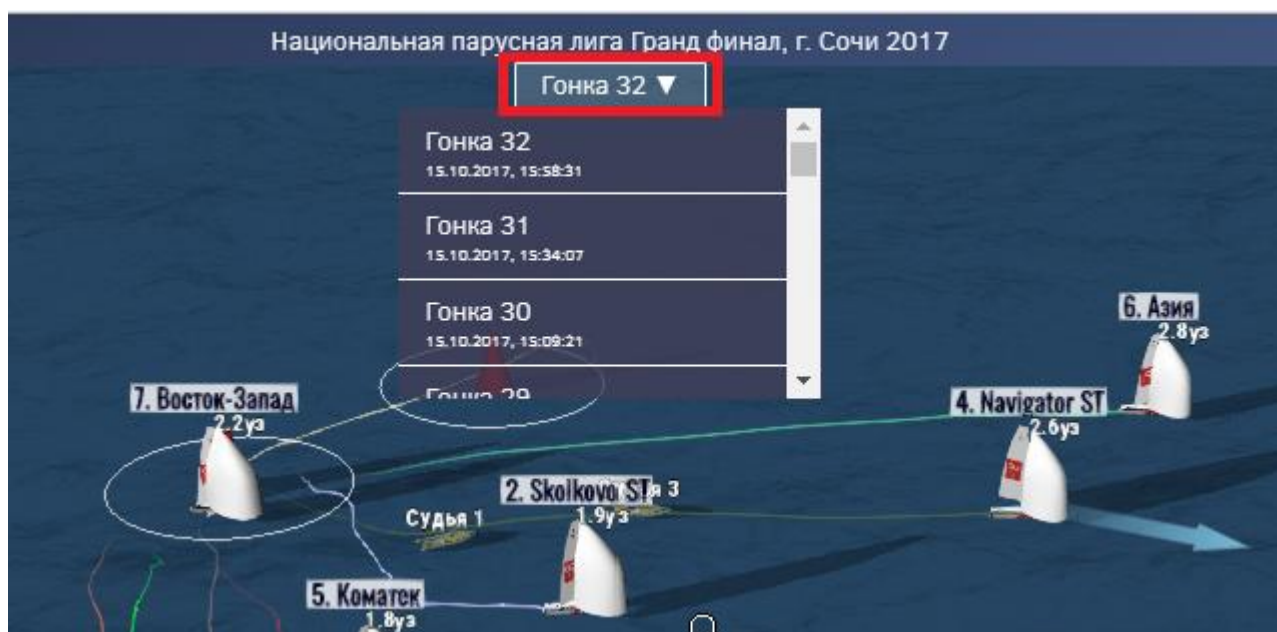
Additionally you can share the race in social network or copy the link and send it via email.



The second part of the menu has the folded mode and the order of the teams only. You can unfold it for the full one pressing +.



In the central part of the map you can switch between the races of the event through the dialogue of the list.



In the bottom part of the slider pressing «RaceList» you can come back to the list of current races or the finished ones and also the events published on the site of Regattascope.




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Internet-трансляции спортивных мероприятий

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Национальная парусная лига Гранд финал, г. Сочи 2017		Return
Leaderboard		
15.10.2017		
Гонка 32		Просмотр
Гонка 31		Просмотр
Гонка 30		Просмотр






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Кубок Капитанского Клуба - 2018

Парусный спорт




Начало: 12.09.2018
Окончание: 26.09.2018

Список гонок

Национальная парусная Лига 4 этап, г. Санкт-Петербург 2018г. Премьер дивизион.

Парусный спорт




Начало: 24.08.2018
Окончание: 26.08.2018

Список гонок

Национальная парусная Лига 4 этап, г. Санкт-Петербург 2018г.

Парусный спорт




Начало: 17.08.2018
Окончание: 19.08.2018

Список гонок

Сбор RS:X-2

Парусный спорт

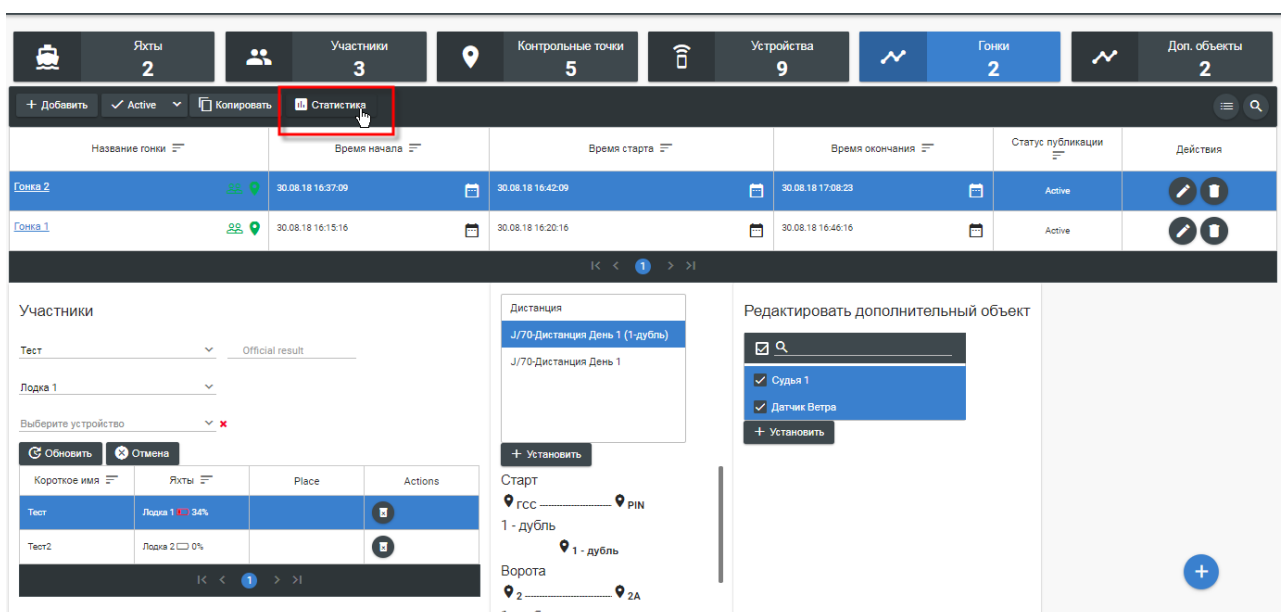


Начало: 10.07.2018
Окончание: 19.07.2018

Список гонок

4.0 Data analysis of the race results.

In the process of managing and administrating of the race you can count the data sent to the server through the administrative interface. The administrator should press “Statistics” for the chosen race.



The screenshot shows a web application interface for managing sailing events. At the top, there is a navigation bar with icons and labels for different sections: Яхты (2), Участники (3), Контрольные точки (5), Устройства (9), Гонки (2), and Доп. объекты (2). Below this is a toolbar with buttons: + Добавить, Active, Копировать, and Statistics (highlighted with a red box). The main content area displays a table of races with columns: Название гонки, Время начала, Время старта, Время окончания, Статус публикации, and Действия. Two races are listed: Гонка 2 and Гонка 1. Below the table, there are three panels: 'Участники' (Participants) with a table of boat data, 'Дистанция' (Distance) with a dropdown menu, and 'Редактировать дополнительный объект' (Edit additional object) with a list of items to be added.

Correspondently on the server of the event in the list of races the following icon appears,

Гонка 1



Просмотр



Which will show the statistics on the certain race in the mode of Race or Training Race and if the race was held as the Training Start, we will see the information about every separate start.

Гонка 1

Национальная парусная Лига 4 этап, г. Санкт-Петербург 2018г.

Дата: 17.08.2018

Время старта: 11:47:00

Время окончания: 11:57:49

Количество стартов: 1

Интервал между стартами (мин.) 1

Условия гонки:

направление на знак №1: 16°

Ветер:

Датчик ветра

Среднее направление ветра: 37°

Средняя скорость: 9.02 kts

Максимальная скорость: 15.17 kts

Минимальная скорость: 5.25 kts

Течение:

Нет данных

Волнение:

Нет данных

Старт

Competitor ↕	TStart - 10 sec		TStart - 5 sec		TStart				TStart + 10 sec	
	SOG (kts) ↕	DTL (m) ↕	SOG (kts) ↕	DTL (m) ↕	SOG (kts) ↕	DTL (m) ↕	SD (sec) ↕	Speed ↕	SOG (kts) ↕	DTL (m) ↕
Rocknrolla ST	7	28.88	6.2	21.26	4.17	12.16	6.87	41.67 %	10	8.65
Конаково	6.9	15.17	5.8	9.47	4.21	6.46	4.87	38.27 %	11	17.93

These data can be viewed and printed out for the further analysis.