



Bytefish  
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## Bytefish Platform : Innovating Sport Fishing with Technology



Sport fishing is an activity that has long won over enthusiasts around the world. However, many aspects of the organization and management of fishing events are still handled manually, which often led to complications and delays. It was to resolve this issue that Bytefish was created , a revolutionary platform that came to simplify and modernize the way fishing competitions take place.

## The Genesis of Bytefish

The story of Bytefish begins in 2017, when I was invited to join the board of the NORBASS fishing club. Although I already participated in the competitions as an athlete, the opportunity to be behind the organization brought a new perspective on what a fishing competition was.

One of the main frustrations observed was the persistence of the use of paper, in which fishermen and fisherman were carrying papers around... several sheets referring to the same fisherman, several documents passing by the same fisherman,.... ingredients for slow and error-prone processes and in an increasingly digital world this is no longer the way to go.

As a programmer and sport fisherman, I saw this as a way to combine my professional training and sport fishing. And so, in March 2017, this platform was announced and presented to the world, at a fishing workshop held in Vila Real.

So what was initially just supposed to solve and facilitate the fishing club's activities during the events ended up being a very good solution. And with the growth and maturity to manage any type of sport fishing.

The number of tests increased and to date there are 120 tests. In very different entities/fishing clubs, from Norbass ( bass fishing ), APCF ( carp fishing ), INTERNATIONAL WORLD CARP ( carp fishing ), Federación De Pesca De La Comunidad Valenciana (multiple aspects), Portuguese Sport Fishing Federation, Mondim de Basto Hunting and Fishing Club ( trout fishing ), ASRCBF ( feeder and buoy)...

Highlighting some international competitions, “1 world championship for largemouth bass fishing from kayak”, “ 4th Edition INTERNATIONAL WORLD CARP”, I Copa Del Mundo Pesca En Kayak Mar ( Federación De Pesca De La Comunidad Valenciana).

And we already have 3 world championships on the agenda in Carp, sea kayaking and float fishing. And we will have more news soon.

## Bytefish Functions




























Bytefish is much more than just a platform, it is a complete solution for managing sport fishing events . With a comprehensive range of features, this platform aims to simplify all aspects of organizing competitions. Some of Bytefish 's notable features include:

- **Creation and Editing of Competitions:** entities can create and edit details of competitions, adapting them according to the specific rules of each competition.
- **Submission and Editing of Fish:** Participants can submit information about the fish caught during the competition as well as the inspectors.
- **Registration Management:** The platform allows anglers to register and edit their entries for competitions.
- **Selection of Inspectors/Controllers:** Through Bytefish , it is possible to designate inspectors and controllers for tests, as well as assign inspectors to individual fishermen.
- **Penalty Management:** The platform simplifies penalty management, ensuring fairness in competitions.
- **Sponsor Management:** Bytefish offers the ability to manage the sponsors of each event, establishing partnerships and recognition.
- **Awarding of " Achievements ":** Fishermen can be virtually rewarded for their achievements through the awarding of virtual trophies.
- **Social Media Management:** Bytefish makes it easy to share information about caught fish on social media, such as Facebook and Telegram .
- **Management of sectors and subsectors**
- **Fish history and results.**

## Type: Largemouth Bass













### Assessment: Points given by the weight of the fish

Link: [bytefish.pt/norbass/cla\\_geral\\_2023?p1=110&p2=111&p3=109&tipo=39](https://bytefish.pt/norbass/cla_geral_2023?p1=110&p2=111&p3=109&tipo=39)

ANGLER	BASS 1	BASS 2	BASS 3	BASS 4	BASS 5	WEIGHT (g)	POSITION	SPONSOR
 Pablo Peláez (Heraldes Espinha) b# 290	1850 (g) 	1580 (g) 	1460 (g) 	1390 (g) 	1340 (g) 	7620 (g) (5 Exp)	#1	#sponsor  +info
 Rui Galhofas (BassCenter) b# 682	1820 (g) 	1710 (g) 	1560 (g) 	1450 (g) 	790 (g) 	7330 (g) (5 Exp)	#2	#sponsor  +info
 Marco Esteves (Independente) b# 794	1930 (g) 	1500 (g) 	1440 (g) 	1190 (g) 	910 (g) 	6970 (g) (5 Exp)	#3	#sponsor  +info
 Victor Manuel (Bass Center) b# 72	2130 (g) 	1630 (g) 	1600 (g) 	1490 (g) 		6850 (g) (4 Exp)	#4	#sponsor  +info

### Assessment: Points given by the length of the fish







Link: [bytefish.pt/fppd/cla\\_geral\\_solo\\_2022.php?p1=83&p2=84&p3=85&p4=86&tipo=29](https://bytefish.pt/fppd/cla_geral_solo_2022.php?p1=83&p2=84&p3=85&p4=86&tipo=29)

ANGLER	FISH 1	FISH 2	FISH 3	FISH 4	FISH 5	WEIGHT	POSITION
 David Santos (Portugal-17)	72 pts 36 (cm) 	70 pts 35 (cm) 	50 pts 25 (cm) 			192 (pts) (3 Exp)	#1
 Tiago Antunes (Portugal-18)	64 pts 32 (cm) 	64 pts 32 (cm) 	52 pts 26 (cm) 			180 (pts) (3 Exp)	#2
 João Piteira (FC Santana do Campo)	78 pts 39 (cm) 	52 pts 26 (cm) 	50 pts 25 (cm) 			180 (pts) (3 Exp)	#3

## Modality: Carps

Assessment: Points given by the total weight of catches









Link: [bytefish.pt/apcf/cla\\_geral\\_carp.php?p1=127&p2=128&p3=129&p4=130&tipo=50](http://bytefish.pt/apcf/cla_geral_carp.php?p1=127&p2=128&p3=129&p4=130&tipo=50)

	ANGLER	ANGLER	N.EXP.	MAJOR (G)	(G)	PTS	#
 03 (bf 117)	 Carlos Amaral (nº 156)	 Nuno Cabral (nº 157)	26	8700	165470	165470	# 1
 05 (bf 304)	 Daniel Carneiro (nº 10222)	 José Fernandes (nº 10223)	19	8570	123590	123590	# 2

Evaluation: Points given by the 3 largest carps in each team

Link:

[bytefish.pt/worldcarp/cla\\_geral\\_carp.php?p1=141&p2=142&p3=143&p4=144&p5=145&p6=146&tipo=52](http://bytefish.pt/worldcarp/cla_geral_carp.php?p1=141&p2=142&p3=143&p4=144&p5=145&p6=146&tipo=52)

#	EQUIPO	CAPTURAS	MEJORES PESOS (G)	PUNTOS
# 1	 Team 40 Alberto Fernández Pedrero Francisco Javier Blanco García	3 	22600 17980 15110	55690
# 2	 Team 09 Iván Talaván Díaz Adrián Gordon Fernández	3 	18700 16490 14600	49790
# 3	 Team 11 Eric Bermúdez Hernández Jorge Mendoza Arias	3 	16310 15910 15790	48010
# 4	 Team 28 Eugenio Cornejo Durán Juan Jesús Dorado Lozano	3 	16410 15760 15630	47800











## Modality: Feeder / buoy

Assessment: General classification given by the sum of points from the classifications by sector

Link: [bytefish.pt/mikado/cla\\_geral\\_feeder.php?p1=155&tipo=56](http://bytefish.pt/mikado/cla_geral_feeder.php?p1=155&tipo=56)

Open Duplas Feeder Setor A Setor B Setor C Português   
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#	IMAGEM	IMAGEM	EQUIPA	SETOR	PESO TOTAL	PONTOS
#1			Luís Lopes Gilberto Estima	C10	55040 (g)	1
#2			Paulo Vega José Baptista	B6	30280 (g)	1
#3			David Pinheiro Nelson Rocha	A1	22730 (g)	1
#4			Julio Marques Mário Timóteo	C9	33380 (g)	2
#5			André Silva António Pereira	B8	25700 (g)	2

## Mode: Sea kayak

Assessment: Sum of the sizes (cm) of the 10 largest fish of each species caught by the fisherman

Link: [bytefish.pt/fpcv/cla\\_kayak\\_salt.php?p1=150&p2=151&tipo=54](http://bytefish.pt/fpcv/cla_kayak_salt.php?p1=150&p2=151&tipo=54)







Close

ANGLER	FISH	PENALTIES	POINTS
 José Luis Muñoz Jiménez	37 37 36 36 36 35 33 33 32 32 32 32 31 31 31 31 31 31 30 30 30 30 30 30 29 29 29 29 29 28 29 28 	0	982 (pts) (31 Exp) #1
 Manuel Aroca Moreno	45 45 42 41 37 36 36 35 35 34 33 33 32 31 30 30 30 30 30 30 30 30 29 29 29 29 29 29 	0	959 (pts) (29 Exp) #2
 José Manuel Rosales Villegas	41 41 35 33 33 32 32 32 32 32 32 31 31 31 31 31 30 30 30 30 29 29 29 29 29 28 	0	887 (pts) (28 Exp) #3
 Jesús Valero Ruiz	45 39 35 33 33 33 32 32 31 31 30 30 30 30 30 29 29 29 29 29 29 28 28 28 	0	843 (pts) (27 Exp) #4
 José Antonio Ruiz	41 35 34 34 34 33 33 33 31 31 31 30 30 30 30 29 29 29 29 29 29 29 29 29 	0	843 (pts) (27 Exp) #5
 Miguel Mellado	48 44 42 35 34 33 33 33 31 31 31 31 31 31 31 30 30 30 29 	0	763 (pts) (23 Exp) #6

## Mode: Feather fishing

Assessment: Sum of points given by cm of captures made

[Link : bytefish.pt/edro/cla\\_geral.php?p1=25&p2=139&tipo=9](http://bytefish.pt/edro/cla_geral.php?p1=25&p2=139&tipo=9)

	ANGLER	PONTOS	PEIXES	
	Jose Aleixo bf# 10317	3	26 (cm) AVG (19.65 cm)	#1
	José Marcelino bf# 10313	3	24 (cm) AVG (20.70 cm)	#2
	José Gomes bf# 10299	7	25 (cm) AVG (20.38 cm)	#3
	Jorge Araujo bf# 10302	8	27 (cm) AVG (20.35 cm)	#4
	André Gomes (Independente) bf# 193	8	24 (cm) AVG (19.58 cm)	#5
	Luis Ferreira bf# 10309	8	27 (cm) AVG (19.08 cm)	#6

# Wall of Fame

In addition to the tests themselves, all information about the fisherman and his journey in the tests where the platform was present is also generated. New functions are being implemented every week to bring more and more statistics and performance of fishermen and soon of the water bodies themselves. Soon comparing performances between two anglers will be available among many suppressions for 2024.

The screenshot shows a user profile for David Ala. The profile includes a large photo of him holding a large fish. To the right, there are sections for 'ACHIEVEMENTS 2023' (listing '#3 Pesca ao Achigã - II Encontro Cinegetico(Clube de caça e pesca de Vila Flor)'), 'ENTITIES' (with a small fish icon), 'Social Network' (links for Facebook, Instagram, and Twitter), and 'Sponcer'. Below the main photo, the name 'David Ala' is displayed with '(bf nº 39)'. Further down, there are four statistics boxes: 'Torneios' (17), 'Nº Fish' (42), 'BASS - Solo' (Catches: 27, Biggest: 2950g, LRP0: 63% (17), LRP1: 33% (9), LRP2: 4% (1), LRP3: 0% (0)), and 'BASS - Team Work' (Catches: 15, Biggest: 1009g, Total: 7950g).

Norbass Circuito de Patos 2021



Norbass Circuito de Margem 2021



Norbass Circuito de Patos 2019





## Cost

To make this tool competitive and adjusted to our market, the base cost to have these functions is approximately €1 per participant per test day. This price already includes the hosting of photos and test data as well as maintenance, regular updates and technical support.

### Examples:

- 20 participants, 2 days of competition...  $20 \times 2 = 40 \text{ €}$
- 40 participants, 1 day of competition...  $40 \times 1 = 40 \text{ €}$
- 10 teams (2 elements), 2 days of competition...  $10 \times 2 \times 2 = 40\text{€}$

## Versatility of Modalities

One of the striking features of Bytefish is its ability to adapt to various types of sport fishing. From fishing for largemouth bass from the bank, to carpfishing , feather fishing, feeder fishing , buoy fishing... The platform offers a modeling approach that can be adjusted according to the specific rules of each test. Inspectors can introduce the fish directly onto the platform or by placing and being approved by the targeted fishermen.

The process for submitting fish can be carried out by the event organization or delegated to inspectors, who can submit and validate the catches. The steps are always simple with a photo (optional), the fisherman or team number and the weight or length of the catch. With just these 3 fields, captures enter the platform and are immediately available in the classification table, as well as events are triggered to launch posts on social networks (Facebook, Telegram ,... ).

Bytefish appears as a milestone in the modernization of sport fishing. By eliminating the obstacles caused by traditional methods of organizing and managing competitions, this platform not only speeds up the process, but also makes competitions more fair, transparent and accessible. As technology continues to play a vital role across multiple industries, Bytefish stands out as an example of the path to innovation in sport fishing events.