

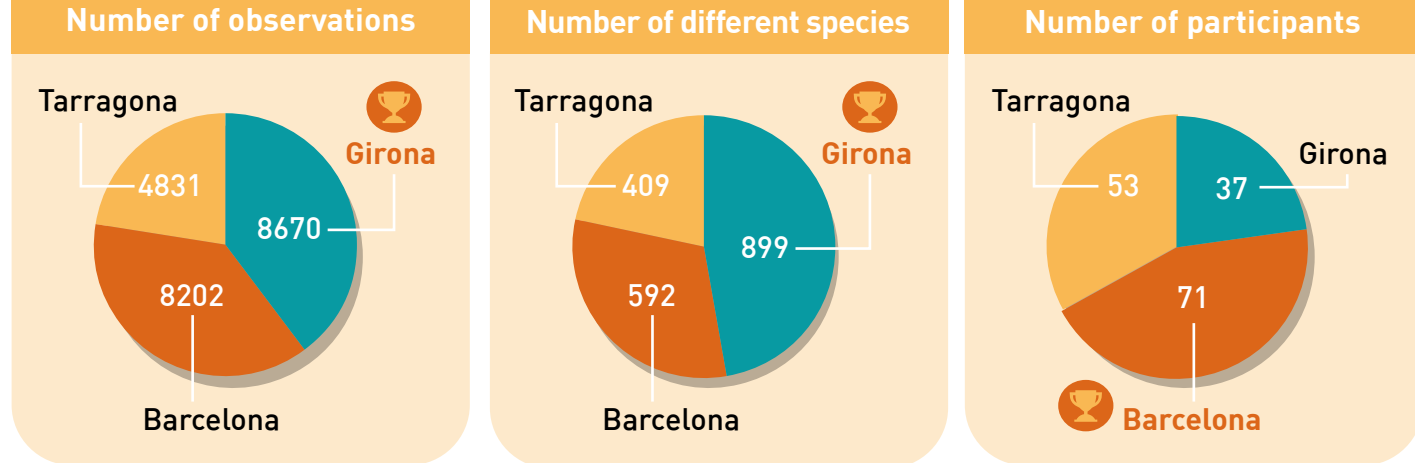
NOTEWORTHY RESULTS BioMARató 2022!

127
participants

21700
observations

1300
different species
(1075 exclusively marine)

Which province was most active?




Which species were found in each taxonomic group?

Red algae: 49 species	Cnidarians: 77 species	Birds: 30 species
Brown algae: 24 species	Ctenophores: 4 species	Porifera: 68 species
Green algae: 32 species	Crustaceans: 107 species	Fishes: 156 species
Other: 10 species	Echinoderms: 28 species	Plants: 5 species
Annelids: 52 species	Molluscs: 348 species	Tunicates: 42 species
Bryozoans: 40 species	Nemerteans: 3 species	

Did you know...? Fun facts about marine species

All the pictures are photos submitted to the MINKA citizen science platform by volunteers during the BioMARató.

Balistes capriscus



Observation: Adrian, Club Subaquàtic Cervera

Triggerfish have a flat oval body, eyes in a raised position and a small mouth, the eyes in a raised position and a small mouth. This species is **solitary and diurnal** and are rare sightings along the Mediterranean coast. Citizen science, which collects data in several regions, makes it possible to detect such rarities.

Caranx crysos



Observation: Guillem Mayor Samarra

Caranx crysos observations have been reported in all provinces; in some cases, the images contain dozens of specimens. This species is **thermophilic**, which means it can withstand high temperatures and, therefore, alert us about water warming.


Caulerpa cylindracea



Observation: Centre d'Estudis del Mar (CEM Vilanova)

During BioMARató 2022, the **invasive algae** *Caulerpa cylindracea* was also reported in all provinces, in some cases, with high coverage and surface area. This species is Australian and can form large extensions of mats, preventing oxygen from spreading in the sediment.

Chromogobius quadrivittatus



Observation: Romuald Dumoutiert

This small goby has **nocturnal behaviour** patterns and is challenging to observe. This photo is the only one reported in the entire BioMARató 2022 period, a remarkable finding!

Corallium rubrum



Observation: Xavier Salvador

Red coral is known for its high price and its use in jewellery. Due to its high exploitation, its populations have declined drastically. But now it is facing a new challenge, climate change, which is already showing its effects on this species. The photograph shows, on the left, a **completely dead colony** with necrotic tissue remains. On the right, a colony with **necrotic tissue** will soon be shed.


Mobula mobular



Observation: Plancton diving


Manta rays are a species that can be found in the Mediterranean, they are usually located in the **open sea**, and their presence near the coast is sporadic. This year, two specimens of this species have been reported because **a nest caught them accidentally**. The specimen in the photograph, still alive, was released.

The five most active volunteers of the BioMARató. Learn more about them!




Oriol de Deu

"This is the second time I have participated in the BioMARató, an event that, from my point of view, facilitates the participation of citizens in science. In this second edition, I have continued to discover the great biodiversity of our coastline. It is essential to protect such richness!"




Berta Companys

"I was delighted to participate in this second edition of the BioMARató to follow up on several species in an area I know well and observe how biodiversity varies throughout the season. Moreover, it has been an opportunity to observe how the behaviour of some species has changed, including their abundance, due to the increasing temperature, compared to other years."




Romuald Dumoutiert

"Participating in the BioMARató has allowed me to discover so many species. It has also encouraged me to pay more attention to the different biotopes and species around me. I believe that citizen science can provide a lot of data to the scientific community to detect trends in certain species and expand knowledge about particular species, among other things."



Núria González

"I'm proud to have stopped saying 'I've seen a lot of fishes', and, instead, now I can identify almost all of them. The BioMARató has been an essential tool to achieve this, with the help of the guided snorkelling sessions organised by Anèl·lides-Serveis ambientals marins and the use of identification handbooks. Moreover, it has been very gratifying to meet so many other people who love the sea and its inhabitants!"



Edu Alcaniz

"The BioMARató has introduced me to the world of underwater fauna and flora. Thanks to this activity, I have learned about several species and some characteristics of their behaviour. In addition, it has put me in contact with experts who have helped me to classify the species I photographed and even have provided me with extra information!"

Acknowledgements

Participants in the BioMARató registered on MINKA:

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Organisers



Collaborators

