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Sandbar Shark, Carcharhinus plumbeus, in the Strait of Sicily (C) Rocco Canella/WWF-Mediterranean

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INTRODUCTION

Shark policy is complex. While some species groups clearly need to be protected, like dolphins and whales, and others are clearly suited to commercial exploitation, like pelagic bony fishes, sharks have spanned both categories—they’ve been targeted as a source of food and other products for centuries, and yet in recent decades their conservation status has become a cause for serious concern in the face of dramatic population declines and our growing understanding of the varied and vital roles they play in the ocean ecosystem.

This duality means that dealing with shark populations is difficult—not just for government decision-makers or fisheries managers, who must create and maintain a workable regulatory framework that protects livelihoods and vulnerable species alike, but also for fishers who must ensure they’re complying with current regulations and not fishing illegally.

Mandates and accountability for shark management and conservation often remain split between fisheries and environmental authorities, and a lack of collaboration and joined-up thinking between the two sides presents both a theoretical and practical barrier to meaningful implementation and workable enforcement.

This document aims to shed some light on current laws and policies regarding shark and ray species in the Mediterranean. It surveys key provisions in force today, and explains what they mean in practice for fishers, managers, national administrations and other stakeholders. It also makes a series of recommendations on further actions that are needed to secure viable shark and ray populations across the region.

The Mediterranean is home to a higher percentage of threatened species of sharks and rays (58%) than anywhere else in the world. Will this still be the case in years to come? Mediterranean countries say they want to protect and restore populations of these iconic species, but what really matters is the extent to which this is reflected in real actions.

In fact, all shark species would profit from the implementation of existing policies and legislation. There are currently 37 species that still lack any kind of management measures or are not covered in any international policy annexes; of these 9 species are threatened (4 Vulnerable, 2 Endangered, 3 Critically Endangered), and urgently need protection.

At this decisive moment we call on fisheries managers, decision-makers, and recreational and professional fishers alike to ensure that current legislation is implemented and followed. This will require adequate capacity to secure scientific monitoring and research, enforcement, training of control authorities and fishers in species identification and current regulations, training in handling and release of bycatch, appropriate information to the public, and cutting-edge science to inform new advice. In addition, policy gaps clearly remain, with species at the brink of extinction lacking any form of protection or management at regional level. The Mediterranean has already seen regional and local extinctions, and urgent action is needed to avoid this happening again.

There’s much work still to do before we secure a future for our sharks and rays—and, by extension, a healthy and thriving Mediterranean Sea.

SHARK AND RAY CONSERVATION STATUS IN THE MEDITERRANEAN

In recent decades, the conservation status of sharks and rays has deteriorated sharply. Of the 73 species of chondrichthyans (sharks, rays and chimaeras) reported in the Mediterranean, 42 (58%) are threatened,a a situation much worse than the already dramatic 37% globally,b and a deterioration since the last update (2021) and the previous one (2016, 53%). In this context, ‘threatened’ means listed as Critically Endangered, Endangered or Vulnerable on the IUCN Red List.

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Regional marine biodiversity is protected through the ‘Convention for the protection of the marine environment and the coastal region of the Mediterranean Sea’ and its protocols, more commonly known as the Barcelona Convention. The Convention is a legally binding instrument that requires the 21 riparian countries to cooperate to protect and enhance the Mediterranean marine environment and coastal area, to contribute to sustainable development.

The Barcelona Convention

As well as including a specific Regional Plan of Action for Chondrichthyes (see the section on action plans below) the Barcelona Convention Protocol concerning Specially Protected Areas and Biological Diversity maintains two important Annexes:

- **Annex II:** Endangered or threatened species that the Parties shall manage with the aim of maintaining them in a favourable state of conservation. They shall ensure their maximum possible protection and recovery.

- **Annex III:** List of species whose exploitation is regulated.

When these were launched in 1996, there were 3 shark species listed on Annex II and 5 on Annex III – but as their populations have continued to fall, the numbers of species included in the Annexes has risen. Today there are 24 on Annex II, of which at least 2 are already extinct in the region, and 9 on Annex III (the species in question are shown in the table at the end of this document) – and there are calls for several more to be added as a matter of urgency.

The General Fisheries Commission for the Mediterranean (GFCM) is an agency of the Food and Agricultural Organization of the United Nations (FAO). As the Regional Fisheries Management Organization (RFMO) for the Mediterranean, the GFCM has a mandate “to ensure the conservation and sustainable use, at the biological, social, economic and environmental level, of marine living resources”.

It does this by adopting binding recommendations and other resolutions on behalf of its members, who are then responsible for transposing the decisions into their own national legislations, and monitoring and enforcing their implementation.

While Mediterranean countries are generally parties to other relevant agreements such as the Barcelona Convention, CITES and the Convention on Migratory Species (see below), regional fisheries are managed in practice within the GFCM framework.

**Recommendation GFCM/36/2012/3 on Fisheries Management Measures for Conservation of Sharks and Rays**

The GFCM adopted its first general recommendation on sharks and rays in 2012 (GFCM/36/2012/3), amended in 2018 (GFCM/42/2018/2). Key provisions include the following:

- **Finning:** Bans all onboard finning of species that can be caught (all sharks must be landed with their fins attached to their bodies), and the retention, trans-shipment or landing of fins. Beheading and skinning onboard are also banned, as well before first sale.

- **Area-based fisheries:** Bans trawling within 3 nautical miles of the coast or in depths of less than 50m. Allowance is made for a limited number of ‘specific and spatially limited’ exemptions, usually for vessels <12m, and these need to be carefully monitored and reported on, with efforts to mitigate impacts on the marine environment.

- **Threatened species:** Obliges members to ensure high protection from fishing activities and bans landing, sale or trans-shipment for any species listed in Annex II of the SPA/BD Protocol of the Barcelona Convention; and obliges them to record and report data in vessel logbooks of any on catches of species in Annexes II and III.

Since then, the GFCM has adopted a significant set of other measures expanding the scope of this first recommendation. These are summarized below, starting with the most wide-ranging.
RECOMMENDATION GFCM/44/2021/16 ON ADDITIONAL CONSERVATION AND MITIGATION MEASURES FOR THE CONSERVATION OF ELASMOBRANCHS IN THE MEDITERRANEAN SEA

The most recent general recommendation came in response to advice from the GFCM Scientific Advisory Committee on Fisheries identifying the need for better elasmobranch conservation. The recommendation quotes the MedVetEnDoc Ministerial Declaration of 2017 which highlights the need to “ensure adequate protection of vulnerable species”, and also references the GFCM’s own 2030 Strategy, which includes a specific target on minimizing and mitigating unwanted interactions between fisheries and marine ecosystems. It recognizes that fisheries remain “the most serious current anthropogenic threat” to elasmobranch species, and calls on all members “to encourage further actions” to improve their conservation status – including the following:

Management measures
- Train and incentivize skippers to reduce shark bycatch mortality (e.g. reward low-impact practices, certify ‘shark-friendly’ products)
- Research gear, equipment and techniques to reduce bycatch mortality and increase post-release survival

Data collection, monitoring and research
- Improve data collection and monitoring information on sharks and rays
- Identify critical habitats
- Research impact of different fishing gears (e.g. wire leaders on longlines), consider changing national legislation depending on the results
- Carry out pilot projects on listed species to collect additional data and ensure compliance
- Carry out at least five species-specific actions to improve conservation status

Species-specific actions

<table>
<thead>
<tr>
<th>Smooth-hound shark (Mustelus asterias, M. mustelus, M. punctulatus)</th>
<th>Common thresher (Alopias vulpinus)</th>
<th>Sandbar shark (Carcharhinus plumbeus)</th>
<th>Gulper shark (Centrophorus granulosus)</th>
<th>Sharpnose sevengill shark (Heptranchias perlo)</th>
<th>Piked dogfish (Squalus acanthias)</th>
<th>Blue shark (Prionace glauca)</th>
</tr>
</thead>
</table>

For all of the species above, members should:
- Assess bycatch and targeted catch rates in all fisheries
- Assess bycatch survival rate
- Identify critical habitats
- Identify fishing tech solutions to reduce bycatch and increase post-release survival
- Compile any fisheries measures in place (including spatial) that can positively affect the species’ conservation
- Assess priority market demand (domestic, export etc.), if any

Scientific Advisory Committee

The recommendation also sets a series of tasks for the SAC:
- Advise on good practices to increase post-release survival
- Advise on new conservation measures for listed species, such as:
  - Maximum catch percentage or number per species per trip
  - Species-specific minimum and maximum landing sizes
  - Restriction of elasmobranch recreational fisheries
- Run socioeconomic studies to increase knowledge on elasmobranch depredation
- Provide elements for an overall conservation and management framework for listed species, including objectives, targets and timescales, and best estimates of population sizes
- Advise on area- and threat-based conservation efforts

The GFCM DCRF is the frame for the submission of fisheries-related data and information by Contracting Parties on their national fisheries sectors. It provides the basis for the scientific advice formulated by GFCM subsidiary bodies. It can be an effective tool for shark and ray conservation too; you can’t manage what you don’t measure, so GFCM recommendations have mandated members to use the DCRF to submit increasingly detailed information on managed species (those listed in Annexes II and III of the Barcelona Convention, as well as additional 37 species). When these species are caught, even as bycatch, members must record and transmit a comprehensive set of data that covers inter alia:
- The number of individuals released alive
- The number of individuals landed
- The number of dead individuals
- The fleet segment and the fishing gear
- The name of the species and the total number of individuals caught and their weight
- The number of individuals released alive
- The number of dead individuals
- The GFCM subarea where the fish was caught (the Mediterranean is divided into 28 subareas)
- The source of data (biological sampling on board, or at landing place or market, or scientific survey)
- The fleet segment and the fishing gear
- The name of the species and the total number of individuals caught and their weight
- The number of individuals released alive
- The number of dead individuals
- The number of dead individuals
- For all of the species above, members should:
  - Assess bycatch and targeted catch rates in all fisheries
  - Assess bycatch survival rate
  - Identify critical habitats
  - Identify fishing tech solutions to reduce bycatch and increase post-release survival
  - Compile any fisheries measures in place (including spatial) that can positively affect the species’ conservation
  - Assess priority market demand (domestic, export etc.), if any

If this information was consistently forthcoming across the region, we’d learn a lot more about sharks and rays and how to reduce their interactions with fisheries – but the GFCM acknowledges that its members need to increase their efforts. In a technical paper from 2020 on the methodology to monitor the incidental catch of vulnerable species, it states: “There are still large gaps in knowledge of the actual extent of bycatch in the Mediterranean and the Black Sea. Control and surveillance at landing sites are ineffective in recording bycatch, because animals are generally either released alive (with unknown post-release survival) or discarded dead by fishers at sea despite regulations in place, and programs for monitoring incidental catch using on-board observers with statistically robust sampling designs are not regularly implemented for all fisheries in these areas.” The methodology needs to be applied as per recommendation GFCM/44/2021/16, to collect data on shark bycatch.

Measures adopted by the GFCM on shark and ray bycatch data must be properly transposed, implemented and enforced by all members at a national level – this is meant to be done within 4 months after adoption of the recommendation by the GFCM Commission, although in practice this doesn’t always happen.
**RECOMMENDATION GFCM/45/2022/12 ON THE ESTABLISHMENT OF A SET OF MINIMUM RULES FOR SUSTAINABLE RECREATIONAL FISHERIES IN THE MEDITERRANEAN SEA**

Recreational fishing undoubtedly has a significant effect on many species, including sharks and rays, therefore recently the GFCM has begun serious efforts to quantify its true impact and to manage it sustainably.

GFCM/45/2022/12 introduces various controls, among which is a prohibition on retaining many species of sharks and rays during recreational fishing activities. These include species listed in Appendices I and II of the Convention on the Conservation of Migratory Species of Wild Animals (CMS), and species listed in Annex II of the SPA/BD Protocol of the Barcelona Convention. It will therefore cover 39 species in the Mediterranean as of November 2023, when the most recent round of CITES listings become active. GFCM members have until March 2024 to put forward an implementation plan for how they will meet their obligations under this recommendation.

**RESOLUTION GFCM/41/2017/5 ON A NETWORK OF ESSENTIAL FISH HABITATS**

The GFCM’s resolutions don’t have the same binding authority as its recommendations, but members are nonetheless expected to take proactive steps to support their implementation. Resolution GFCM/41/2017/5 targets increased knowledge of the regional distribution of essential fish habitats which it defines as “habitats identified as essential to the ecological and biological requirements for critical life history stages of exploited [Ed. commercial] fish species,” and sensitive habitats, which it defines as “fragile habitats that are recognized internationally as ecologically important, which support important assemblages of commercial and non-commercial fish species [Ed. which includes shark species] and which may require special protection”. The resolution aims to map out a network of such habitats, and could ultimately support the creation of Fisheries Restricted Areas to protect them.

Historically there has been a notable lack of information on sharks’ critical habitats in the Mediterranean, and hence little basis to protect them. New data from around the region will enable the SAC to identify areas where spatial protection interventions will be of maximum benefit to shark species.

Work under this resolution is ongoing – and it could receive a considerable boost from the IUCN’s work on ISRAs (see opposite).
OTHER IMPORTANT SHARK AND RAY POLICY FRAMEWORKS

THE INTERNATIONAL CONVENTION FOR THE CONSERVATION OF ATLANTIC TUNA (ICCAT)

ICCAT is the RFMO in charge of the conservation and management of tuna and tuna-like species in the Atlantic, including its adjacent seas (Mediterranean Sea and Black Sea). Only two Mediterranean states, Israel and Lebanon, have not ratified the convention. As is the case for the GFCM, an ICCAT ‘Recommendation’ is binding on all its Parties, except for any that formally register an objection.

Adopted in 1966, the convention establishing ICCAT was amended by a Protocol in November 2019. This Protocol must now be ratified by at least three-quarters of its Contracting Parties to enter into force, which might take several years. The amended convention clarifies its material scope of application. It will expressly include, besides tuna and tuna-like species, ‘elasmobranchs that are oceanic, pelagic and highly migratory’.

CITES

CITES (the Convention on International Trade in Endangered Species of Wild Fauna and Flora) is an agreement which aims to ensure that international trade in wild specimens doesn’t threaten the survival of the species. It’s a voluntary convention, but parties that sign up agree to implement its rules – and this includes every state in the Mediterranean.

CITES-listed species become subject to certain trade controls, depending on which Appendix they appear on. Appendix I includes species threatened with extinction, and trade is only permitted in exceptional circumstances. Appendix II species are not necessarily threatened with extinction, but trade in them must nonetheless be controlled to ensure their survival. For both appendices, an export permit can be granted only when a scientific authority of the state of export has advised that such export will not be detrimental to the survival of that species. This is called a ‘Non-Detriment Findings’ certificate (NDF). In addition, documents including the ‘Introduction from the Sea’ and the ‘Legal Acquisition’ certificates can be required under certain circumstances, e.g., when the animal has been caught in what is considered ‘High Sea’.

CITES began to list shark and ray species in 2003, adding more over the years, and today it covers 26 Mediterranean species. All of these are on Appendix II, except for 7 species of Pristidae spp. (sawfishes) which are on Appendix I – however, the latter are deemed already extinct in the Mediterranean.

New species are proposed for inclusion then listed if a two-thirds majority of parties to the convention vote in favour. The most recent round of proposals, in 2022, saw the following shark and ray species added globally:

- *Carcharhinidae* spp. (requiem sharks) – 54 additional species, of which 6 are present in the Mediterranean
- *Sphyrnidae* spp. (hammerhead sharks) – 6 additional species, of which 3 are relevant for the Mediterranean (2 present and 1 vagrant species)
- *Potamotrygon* spp. (freshwater stingrays) – 7 species, not present in the Mediterranean
- *Rhinobatidae* spp. (guitarfishes) – 37 species, of which 2 are present in the Mediterranean

THE CONVENTION ON MIGRATORY SPECIES

The CMS, also known as the Bonn Convention, is a global platform for the conservation and sustainable use of migratory animals and their habitats. With the exception of Turkey, all Mediterranean states are parties to it.

The CMS set up a specific Memorandum of Understanding (MoU) on sharks, the first global instrument of its kind – WWF is one of the ‘cooperating partners’ who signed up to support MoU signatories in reaching their objectives. The MoU aims “to achieve and maintain a favourable conservation status for migratory sharks based on the best available scientific information and taking into account the socio-economic value of these species for the people in various countries”. It currently lists 37 species in its Annex I.

Signatories to the MoU are expected to adopt a Convention Plan for these species, with five main objectives:

1. Ensuring that directed and non-directed fisheries for sharks are sustainable
2. Improving the understanding of migratory shark populations through research, monitoring and information exchange
3. Ensuring to the extent practicable the protection of critical habitats and migratory corridors and critical life stages of sharks
4. Increasing public awareness of threats to sharks and their habitats, and enhancing public participation in conservation activities
5. Enhancing national, regional and international cooperation

Some of the species in Annex I are receiving additional focused attention. One of these is the angelshark (*Squatina squatina*), for which a ‘Single Species Action Plan’ (SSAP) is being developed for the Mediterranean (the plan is intended to build on an earlier Mediterranean Angel Sharks Regional Action Plan created by the Angel Shark Conservation Network in 2019). At the time of writing, the SSAP is in draft form and is expected to be officially adopted in the autumn of 2023, bringing a vital new layer of regional protection for this iconic but Critically Endangered species.
PLANS OF ACTION FOR THE CONSERVATION AND MANAGEMENT OF SHARKS

In 1999, FAO launched the ‘International Plan of Action for the Conservation and Management of Sharks’ (IPOA). This non-binding instrument required states to establish their own national POAs for conserving and managing sharks in their waters, covering areas such as knowledge of stocks, data collection and research, and an assessment of threats to populations. These POAs should also detail strategies for achieving their objectives, from monitoring, control and surveillance activities to training personnel in the identification of shark species.

A parallel plan targeting the Mediterranean was launched under the Barcelona Convention, coordinated by the Regional Activity Centre for Specially Protected Areas (SPA/RAC). Entitled ‘Action Plan for the Conservation of Cartilaginous Fishes (Chondrichthyans) in the Mediterranean Sea’ it was adopted in 2003, and reviewed and updated in 2020. This suggested how the IPOA could be implemented across the region, establishing a set of priorities for the conservation and management of shark species and calling for cooperation on the issue between Mediterranean states. It also calls for every state to establish a NPOA – however, at the time of publication we’re not aware of any NPOA that has been formally adopted in any Mediterranean country. Nevertheless, the process to create one is underway in several countries.

The European Union established its own POA in 2009 – it calls it “a comprehensive and coherent legislative policy and framework for the conservation and management of sharks within and outside Community waters” — which its Member States are individually responsible for implementing and enforcing. In the Mediterranean, the EU POA is thus shared by Spain, France, Malta, Italy, Slovenia, Croatia, Greece and Cyprus. It has not been updated since.

EU POLICIES AND NATIONAL LEGISLATION

While no shark species is listed in the EU habitat directive, sharks are included in several EU fisheries legislations and policies, for example the so-called Technical measures Regulation 2019/1241, which lists a limited number of prohibited species.

However, through the transposition of GFCM recommendations into EU regulations all 24 species listed in Annex II of the SPA/BD Protocol of the Barcelona Convention are prohibited from being retained in all EU Member States. More recently the EU published the EU Action Plan: Protecting and restoring marine ecosystems for sustainable and resilient fisheries in which the Commission “calls on Member States to develop threshold values for the maximum allowable mortality rate from incidental catches of the species selected by Member States” from 2023 (an EU Decision from 2017); adopt national measures or submit joint recommendations to the Commission to minimize bycatch (or reduce it to the level that enables the full recovery of the populations) of, inter alia, angel sharks, common skate, guitarfish, Maltese skate, great white shark, sand tiger shark, smalltooth sand tiger shark and spiny butterfly ray by the end of 2024; and the remaining sensitive marine species that are at risk of incidental catches, prioritizing those in “unfavourable conservation status” or threatened by extinction by the end of 2030.

FIRST PROMISING RESULTS OF COLLABORATION BETWEEN FISHERIES AND RESEARCH IN THE NORTHERN ADRIATIC

Reducing the bycatch rates of these shark species is challenging, considering their large sizes and the high fishing effort occurring in the area. Reducing fishing impacts – by means of mesh sizes, shark excluder devices etc. – may interfere with fishing activities, meaning these strategies are less likely to be accepted by fishers. In some cases, effective and more acceptable management strategies may include an integration of different approaches, from the release of sharks at vulnerable life stages (e.g. early juveniles, usually being of low commercial value) to the avoidance of fishing in sensitive areas.

To understand key biological traits (e.g. the use of space) and explore feasible fisheries management measures and bycatch mitigation measures, work led by the University of Padova within the Italian monitoring programmes of the Marine Strategy Framework Directive (MSFD, Directive 2008/56/EC) and within the MedBycatch project assessed the potential of a management strategy including the release of juveniles of commercial elasmobranch species. Between 2020 and 2023 researchers were on board on 90 fishing trips using different fishing gears (ottter trawling, pelagic trawling, gill nets), and by combining conventional tagging and acoustic telemetry they assessed the at-vessel mortality and post-release mortality of almost 9,300 individuals from 13 species. From this, they constructed individual-based population dynamic models to assess the expected recovery of populations according to different minimum conservation sizes and survival rates. Results for the three most common species, Mustelus mustelus, M. pinnipinnis and Squatina acanthias, highlighted that individuals may remain in the same area for several weeks, with initial results indicating the potential effectiveness of the release of juveniles and the avoidance of certain areas.”

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As this brief survey of regional frameworks for the conservation of sharks and rays shows, there are already enough regulations in place to significantly improve their status in the Mediterranean. The problem is that a great deal more needs to be done in terms of implementation and enforcement: there are some signs of progress, but if all countries fully embraced their commitments it would make all the difference.

**RECOMMENDATIONS**

WWF calls for action in the following key areas:

1. Countries should ensure implementation of **existing legislation** and **harmonization of national, Mediterranean and global policies**, with an urgent need to transpose new regional measures into national legal frameworks.

2. Countries should ensure the **collection and submission of robust fisheries data** at national level following the GFCM Data Collection Reference Framework to allow the development of robust scientific advice.

3. Countries and the GFCM should support the **development of national capacity**, in particular of authorities and fishers, to implement policies and legislation, in particular GFCM and CITES measures.

4. Countries should support the **adoption of increased spatial management** measures at national and Mediterranean level, through the GFCM, to protect important habitats for sharks and rays and to support the establishment of coherent networks of well-managed areas, including Fisheries Restricted Areas and other spatio-temporal measures, for both exploited and non-commercial vulnerable species.

5. Countries should support the **inclusion of specific management measures** for sharks and rays in **existing MPAs** where they overlap with important habitats.

6. Countries should develop **POAs for sharks** as (inter alia) tools to ensure collaboration between environmental and fisheries management authorities.

7. Countries and the GFCM should develop **population recovery plans and fisheries management measures** including technical measures with measurable and science-based objectives at national and regional level in collaboration with all stakeholders, including decision-makers, fishers and coastal communities.

8. Countries should support the adoption of the GFCM regional plan of action for **vulnerable species** bycatch supported by the Scientific Advisory Council at its annual session in 2023.

9. Countries should support the inclusion of **new species** in the Annexes of the SPA/BD Protocol of the Barcelona Convention. Among the species which should be most urgently added to Annex II are:
   - Lusitanian cownose ray – Rhinoptera marginata – Critically Endangered
   - Duckbill eagle ray/Bull ray – Aetomylaeus bovinus – Critically Endangered
   - Common eagle ray – Myliobatis aquila – Critically Endangered
   - Bigeye thresher – Alopias superciliosus – Endangered

10. Countries should support the inclusion of Mediterranean populations of new species in Appendix I of the Convention on Migratory Species, with the priorities being:
    - Lusitanian cownose ray – Rhinoptera marginata – Critically Endangered
    - Duckbill eagle ray/Bull ray – Aetomylaeus bovinus – Critically Endangered
    - Common guitarfish – Glaucostegus cemiculus – Critically Endangered

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    - Duckbill eagle ray/Bull ray – Aetomylaeus bovinus – Critically Endangered
    - Common guitarfish – Glaucostegus cemiculus – Critically Endangered

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### Table 1 – Overview of Mediterranean species, their conservation status and related legislation and policies.

In order to identify the species listed below a range of identification guides exist.

<table>
<thead>
<tr>
<th>Scientific Name</th>
<th>Vernacular Name</th>
<th>Status</th>
<th>UNCLOS ANNEX</th>
<th>Barcelona Convention</th>
<th>CITES Appendix</th>
<th>Mediterranean Convention</th>
<th>CMS-Sharks MoU</th>
<th>Convention of Migratory Species (CMS)</th>
<th>IUCN Status**</th>
<th>UNEP-FAO/UNEP-WCMC</th>
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<td>Heptranchias parvo</td>
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<tr>
<td>Lamna nasus</td>
<td>Porbeagle</td>
<td>CR</td>
<td>I &amp; II</td>
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<tr>
<td>Ceterhinus maximus</td>
<td>Basking Shark</td>
<td>EN</td>
<td>I &amp; II</td>
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<tr>
<td>Atalaia superciliosa</td>
<td>Bigeye Thresher</td>
<td>EN</td>
<td>II</td>
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<tr>
<td>Atalaia vulpinus</td>
<td>Common Thresher</td>
<td>EN</td>
<td>II</td>
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<tr>
<td>Galeus atlanticus</td>
<td>Atlantic Sawtail Catshark</td>
<td>NT</td>
<td>III</td>
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<tr>
<td>Galeus melastomus</td>
<td>Blackmouth Catshark</td>
<td>LC</td>
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<tr>
<td>Scyliorhinus canicula</td>
<td>Smallspotted Catshark</td>
<td>LC</td>
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<tr>
<td>Scyliorhinus stellaris</td>
<td>Nursehound</td>
<td>VU</td>
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</table>
Some extremely rare or vagrant species have been excluded.

*Presence in the Mediterranean questionable


**UNCLOS:** Annex I: requires cooperation for the management of straddling stocks and highly migratory species in the EEZs and the high seas.

**CITES:** includes species threatened with extinction and provides the greatest level of protection, including restrictions on commercial trade; App II: includes species that, although currently not threatened with extinction, may become so without trade controls. It also includes species that resemble other listed species and need to be regulated in order to effectively control the trade in those other listed species.

**CMS:** App I Range States Parties should endeavour to conserve and, where feasible and appropriate, restore important habitats of those species, minimize obstacles on migratory routes, control the introduction of exotic species and prohibit the catching of listed animals; App II: CMS acts as a framework convention – it does not provide any specific protection to them, but requires that Parties conclude global or regional agreements on specified species.

**CMS MoU Annex I:** CMS MoU signatories adopted a conservation plan. Updated to COP12 new listings. **Barcelona Convention Annex II:** List of endangered and threatened species; **Annex III:** List of species whose exploitation is regulated.
1. Sharks, rays, and chimaeras (hereafter ‘sharks’)

2. Disclaimer: The information contained in this summary document on legislation is intended solely for general informational purposes. It is not intended to serve as legal advice, and should not be relied upon as such.


9. ICCat has already adopted measure 19-01 which lists the elasmobranchs to which the amended ICCAT convention will apply. See https://www.iccat.int/Documents/Recs/compendiopdf-e/2019-01-e.pdf

10. As per Decision (EU) 2017/848 Member States shall establish the threshold values for the mortality rate from incidental bycatch per species, through regional or subregional cooperation.


12. Mazzoldi et al. as presented in the GFCCM Subregional committee for the Adriatic in May 2023

OUR MISSION IS TO CONSERVE NATURE AND REDUCE THE MOST PRESSING THREATS TO THE DIVERSITY OF LIFE ON EARTH.