

**SINGLE SPECIES ACTION PLAN FOR THE ANGELSHARK (*Squatina squatina*)  
IN THE MEDITERRANEAN SEA**

**SUGGESTED FIELD HEADINGS AND DESCRIPTIONS FOR COLLATION OF DATA ON ANGELSHARK PRESENCE**

This Annex will be updated as and when required.

This table includes a list of data fields and accompanying formats that could be used to collect information on sightings or captures of Angelsharks. The fields align with those captured through the Angel Shark Sightings Map, in addition to some others (denoted by \*), which may be useful. More fields are available through the Angel Shark Sightings Map, not included here for brevity, including the option to upload photos and videos.

| <b>Data field</b>                         | <b>Format and description</b>                                                                                                                                                                                                                               |
|-------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Latitude</b>                           | - Latitude in decimal degrees                                                                                                                                                                                                                               |
| <b>Longitude</b>                          | - Longitude in decimal degrees                                                                                                                                                                                                                              |
| <b>*Longitude (East/West)</b>             | - Whether longitude is East or West                                                                                                                                                                                                                         |
| <b>Estimated/actual</b>                   | - 'Estimated' [i.e., position was estimated from a place name]<br>- 'Actual' [i.e., position was as recorded]                                                                                                                                               |
| <b>Country</b>                            | - Insert country of record                                                                                                                                                                                                                                  |
| <b>GFCM GSA</b>                           | - Insert GFCM Geographic Sub-Area (i.e., GSA1–GSA27)                                                                                                                                                                                                        |
| <b>Species</b>                            | Text field, either <ul style="list-style-type: none"> <li>- <i>Squatina squatina</i></li> <li>- <i>Squatina oculata</i></li> <li>- <i>Squatina aculeata</i></li> <li>- <i>Squatina</i> spp. (unidentified to species level)</li> </ul>                      |
| <b>Accuracy of species identification</b> | - 'Verified' [i.e., species identification is considered reliable]<br>- 'Tentative' [i.e., species identification may not be accurate]                                                                                                                      |
| <b>Day of sighting</b>                    | - Day (1-31) or 'NA' if unavailable                                                                                                                                                                                                                         |
| <b>Month of sighting</b>                  | - Month (1-12) or 'NA' if unavailable                                                                                                                                                                                                                       |
| <b>Year of sighting</b>                   | - Year (YYYY) or 'NA' if unavailable                                                                                                                                                                                                                        |
| <b>Season</b>                             | - 'Q1' [January to March]<br>- 'Q2' [April to June]<br>- 'Q3' [July to September]<br>- 'Q4' [October to December]<br>- 'NA' if not available                                                                                                                |
| <b>How many angel sharks did you see</b>  | - Option to say more than one shark sighted together                                                                                                                                                                                                        |
| <b>Shark length</b>                       | - Total length in 'cm' if known<br>- 'NA' if length not available<br>- Length categories if estimated <ul style="list-style-type: none"> <li>- '39 cm or shorter'</li> <li>- '40 – 60 cm'</li> <li>- '61 – 100 cm'</li> <li>- '101 cm or longer'</li> </ul> |
| <b>Shark sex</b>                          | - 'Male'                                                                                                                                                                                                                                                    |

| Data field                               | Format and description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                          | <ul style="list-style-type: none"> <li>- 'Female'</li> <li>- 'Unknown'</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>*Maturity stage</b>                   | <ul style="list-style-type: none"> <li>- If a female is 101 cm or longer, if possible, maturity can be described:               <ul style="list-style-type: none"> <li>- 'Mature (gravid)' [only applies to those females containing embryos]</li> <li>- 'Mature (pupping)' [only applies to females which contain term pups, or from which terms pups have been shed]</li> <li>- 'Mature (post-partum)' [applies to females that have recently given birth]</li> <li>- 'Unavailable'</li> </ul> </li> <li>- If a male:               <ul style="list-style-type: none"> <li>- 'Immature' when claspers not or partly calcified</li> <li>- 'Mature' when claspers are fully calcified, elongated and rotatable.</li> </ul> </li> <li>- 'Unknown'</li> </ul> |
| <b>Shark depth</b>                       | <ul style="list-style-type: none"> <li>- Depth 'in metres' if known</li> <li>- Depth categories if estimated:               <ul style="list-style-type: none"> <li>- '0 – 10 m'</li> <li>- '11 – 20 m'</li> <li>- '21 – 40 m'</li> <li>- '41 – 100 m'</li> <li>- '101 m or deeper'</li> </ul> </li> <li>- 'Unknown'</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>*Shark habitat</b>                    | <ul style="list-style-type: none"> <li>- 'Mud'</li> <li>- 'Sand'</li> <li>- 'Gravel'</li> <li>- 'Rock'</li> <li>- 'Rock/Reef'</li> <li>- 'Mixed Habitat'</li> <li>- 'Seagrass'</li> <li>- 'Unknown'</li> <li>- 'Other' [blank field option]</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Shark Behaviour</b>                   | <ul style="list-style-type: none"> <li>- 'Buried in the sand'</li> <li>- 'Resting on the surface'</li> <li>- 'Swimming'</li> <li>- 'Mating'</li> <li>- 'Pregnant'</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>*Photo/video documented</b>           | <ul style="list-style-type: none"> <li>- 'Yes'</li> <li>- 'No'</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>*How did you see the Angel Shark?</b> | <ul style="list-style-type: none"> <li>- 'Scientific fishing survey'</li> <li>- 'Commercial fishing vessel'</li> <li>- 'Commercial fishing from shore'</li> <li>- 'Fish market or landing port'</li> <li>- 'Recreational fishing vessel'</li> <li>- 'Recreational fishing from shore'</li> <li>- 'Spearfishing'</li> <li>- 'In-water sighting: diving, freediving, snorkelling'</li> <li>- 'Other' [blank field option]</li> </ul>                                                                                                                                                                                                                                                                                                                          |
| <b>*Gear type (if caught in</b>          | <ul style="list-style-type: none"> <li>- 'Bottom trawl'</li> <li>- 'Bottom beam trawl or dredge'</li> <li>- 'Set nets (gill net, trammel net, tangle net)'</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

| Data field                                                              | Format and description                                                                                                                                                                                                                                                                                                                                            |
|-------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>commercial fishing gear)</b>                                         | <ul style="list-style-type: none"> <li>- 'Bottom longline'</li> <li>- 'Other' [blank field option]</li> <li>- 'Unknown'</li> <li>- 'NA' if Angelshark was not caught in commercial gear</li> </ul>                                                                                                                                                                |
| <b>*Fate of Angelshark (if caught in a commercial gear)</b>             | <ul style="list-style-type: none"> <li>- 'Discarded alive'</li> <li>- 'Discarded dead'</li> <li>- 'Dead specimen retained for scientific purposes or museum'</li> <li>- 'Live specimen retained for aquarium'<sup>1</sup></li> <li>- 'Other' [blank field option]</li> <li>- 'Unknown'</li> <li>- 'NA' if Angelshark was not caught in commercial gear</li> </ul> |
| <b>*Specimen and/or biological material</b>                             | <ul style="list-style-type: none"> <li>- Name of institute that has archived the material</li> </ul>                                                                                                                                                                                                                                                              |
| <b>*Set time (if caught in commercial gear)</b>                         | <ul style="list-style-type: none"> <li>- Trawl duration or soak time less than 3 hours</li> <li>- Trawl duration or soak time 3 – 6 hours</li> <li>- Trawl duration or soak time 6 – 12 hours</li> <li>- Trawl duration or soak time greater than 12 hours</li> <li>- 'Unknown'</li> <li>- 'NA' if Angelshark was not caught in commercial gear</li> </ul>        |
| <b>What is the name of the fish market</b>                              |                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Any other comments on this sighting (including presence of tags)</b> |                                                                                                                                                                                                                                                                                                                                                                   |

<sup>1</sup> CMS Article III states that Parties that are Range States of a migratory species listed in Appendix I shall prohibit the taking of animals belonging to such species. Exceptions may be made to this prohibition if 'the taking is for scientific purposes' of benefit to the population or 'the taking is for the purpose of enhancing the propagation or survival of the affected species.