CHARACTERIZATION OF SPEARFISHERS IN MADEIRA

With the collaboration of the Captaincy of the Port of Funchal, this questionnaire is the responsibility of a student of the Degree in Physical Education and Sport, at the University of Madeira, with the aim of characterizing the underwater hunter Madeirense. Please answer with the greatest sincerity, since the data collected will be very important for the study and the false data will contribute to not relevant to reality. The questionnaire is anonymous (you don't need to put your name). Thank you in advance for your cooperation.

1.- Personal data
1.1.- Age ______ 1.2.- Gender Male Female
1.3.- Place of birth _______________ 1.4.- Nationality _______________
1.5.- Municipality of residence ___________________

2.- Specific physical condition of the practitioner
2.1.- What is the maximum apnea depth you have ever reached? meters
2.2.- What is the maximum time in static apnea you have ever achieved? min. seg.
2.3.- How often do you undergo physical tests to assess whether your physical fitness (your health status) allows you to practice spearfishing?
   - Every 6 months
   - Yearly
   - Every 2 years
   - Every 3 years
   - Less than every 3 years
   - Never

3.- Practitioner's knowledge and experience
3.1.- How many years have you been practicing spearfishing? years
3.2.- Where did you acquire knowledge of freediving and spearfishing?
(From the hypotheses below, choose only the 4 most relevant and order them, with 1 being the most important and 4 being the least important. Example: 1st Magazines, 2nd Internet, 3rd Family, 4th Books).
   - Training Course
   - Books
   - Magazines
   - Journals
   - TV
   - DVD's
   - Internet
   - Friends
   - Family
   - Alone / Self-taught
   - Others _______________

3.3.- What knowledge do you have about the security required to practice this activity?
   - Very little
   - Little
   - Enough
   - A lot
3.4.- What importance do you attach to the values of ethics and respect for natural resources?
3.5.- Do you know what it means to equalize the pressure / compensate the ears?  Yes  No
3.6.- Do you know what hyperventilation means and its risks in apnea?  Yes  No
3.7.- Are you familiar with the recommended minimum catch sizes for each species?  Yes  No

4.- Practitioner's Needs
4.1.- Do you have a training course in freediving?  Yes  No
  4.1.1.- Would you like to?  Yes  No
4.2.- Do you have a training course in spearfishing?  Yes  No
  4.2.1.- Would you like to?  Yes  No
4.3. What amount do you think is reasonable to charge for a training course in apnea, consisting of 15 hours of practical and theoretical classes, certified at national level and taught by a nationally certified instructor?  € (Euros)
4.4.- What amount do you think is reasonable to charge for a training course in spearfishing, consisting of 30 hours of practical and theoretical classes taught by a nationally certified instructor?  € (Euros)

5.- Practitioner's habits
5.1.- Which are the main locations where you practice spearfishing? (name three locations, in order, from the area that you frequent the most to the least).
  1st ____________________________
  2nd ____________________________
  3rd ____________________________
5.2.- Which fish species do you catch most often? (name 3 species in order, from the most frequently caught species to the least. If you only collect limpets, put only that).
  1st ____________________________
  2nd ____________________________
  3rd ____________________________
5.3.- Which three species of fish do you prefer to catch?
  1st ____________________________
  2nd ____________________________
  3rd ____________________________
5.4.- How many times per year do you practice spearfishing?

- < 10
- 10 - 25
- 25 - 50
- 50 - 75
- 75 - 100
- > 100

5.5.- How many times per year do you practice spearfishing with boat support?

- < 10
- 10 - 25
- 25 - 50
- 50 - 75
- 75 - 100
- > 100

5.6.- How many fish do you catch on average on your spearfishing trips?

6.- Responsibility of the practitioner

6.1.- Do you apply each year for a license to practice spearfishing? Yes No

6.2.- Have you ever forgotten to renew the annual spearfishing license? Yes No

6.3.- Are you familiar with the Regional Law Decree on spearfishing? Yes No

7.- Practitioner's opinion

7.1.- Do you think it is important to respect minimum catch sizes for each species? Yes No

7.2.- Do you agree with the current Regional Law Decree on spearfishing? Yes No

7.2.1.- If you answered “No”, name two things you disagree with:

1st

________________________________________________________________________

2nd

________________________________________________________________________

7.3.- Do you believe there should be more marine protected areas? Yes No

7.4.- Please state the main reasons you practice spearfishing. (From the hypotheses below, choose only the 4 most important and order them with 1 being the most important and 4 being the least important. Example: 1st personal pleasure, 2nd adventure, 3rd competition, 4th physical activity).

<table>
<thead>
<tr>
<th>Competition</th>
<th>Adventure</th>
<th>Fun</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical activity</td>
<td>Excitement / emotion</td>
<td>Relaxation</td>
</tr>
<tr>
<td>Personal pleasure</td>
<td>Social contact</td>
<td>Others</td>
</tr>
<tr>
<td>Money</td>
<td>Social affirmation</td>
<td></td>
</tr>
</tbody>
</table>

8.- Practitioner's material resources

8.1.- Do you have your own boat? Yes No
In case of doubt, you can contact the responsible Cláudio Vieira through the mobile phone number xxxxxxxx. After completing the questionnaire, you should leave it to the care of the Captaincy Services of Funchal. Thank you for your cooperation.
Personal data

Place of interview: ____________ Date: _______ Time: _______

Age: _______ Gender: Male ☐ Female ☐

Nationality: ___________________

Place of birth: ________________ County of residence: ___________________

Profession: Unemployed ☐ Student ☐ Self-employed ☐ Employee ☐ Civil Servant ☐ Retired ☐

Marital status: Single ☐ Married ☐ Widower ☐ Divorced ☐

Education: No formal education ☐ Basic education ☐ Technical Education ☐ Graduate ☐

Monthly salary: No income ☐ 0-500€ ☐ 500-1000€ ☐ 1000-1500€ ☐ >1500€ ☐

Fishery data

Modality of license: Annual ☐ Monthly ☐

Fishing modality: Shore angling ☐ Boat fishing ☐ Spearfishing ☐

Alone ☐ Accompanied ☐

Years of experience: _______

Member of a fishing association?: Yes ☐ No ☐

Expenditure on fishing equipment (year): _______ €

Usual schedule: Morning ☐ Afternoon ☐ Night ☐ Depends on the tide ☐ Indifferent ☐

Average duration (Hours): _______

Frequency: Almost every day ☐ 2-3 times per week ☐ 1 time per week ☐ 1 time per month ☐ Other: _______

Preferred Days: During the week ☐ Weekend or holidays ☐ Indifferent ☐

Seasonal distribution: Year-round ☐ Jan ☐ Feb ☐ Mar ☐ Apr ☐ May ☐ Jun ☐ Jul ☐ Aug ☐ Sep ☐ Oct ☐ Nov ☐ Dec ☐

Favourite places to fish: ___________________

Maximum apnea time: ____________

Maximum depth: ____________

From where do you usually start the activity? From the coast ☐ From boat ☐

What kind of animals do you catch? fishes ☐ invertebrates ☐

Destination of catch: Own consumption ☐ Donation ☐ Release ☐ Sale ☐
<table>
<thead>
<tr>
<th>Common name of the species</th>
<th>Common name of the species</th>
</tr>
</thead>
<tbody>
<tr>
<td>Almaco jack</td>
<td>Limpet</td>
</tr>
<tr>
<td>Atlantic w rasse</td>
<td>Lizardfish</td>
</tr>
<tr>
<td>Axillary seabream</td>
<td>Madeira rockfish</td>
</tr>
<tr>
<td>Azores chromis</td>
<td>Madeiran sardinella</td>
</tr>
<tr>
<td>Bastard grunt</td>
<td>Mediterranean rainbow wrasse</td>
</tr>
<tr>
<td>Bermuda sea chub</td>
<td>Moray</td>
</tr>
<tr>
<td>Blackspot seabream</td>
<td>Mullet</td>
</tr>
<tr>
<td>Blacktail comber</td>
<td>Ornate w rasse</td>
</tr>
<tr>
<td>Blue jack mackerel</td>
<td>Parrotfish</td>
</tr>
<tr>
<td>Bluefish</td>
<td>Pink dentex</td>
</tr>
<tr>
<td>Bogue</td>
<td>Pompano</td>
</tr>
<tr>
<td>Canary damsel</td>
<td>Ray</td>
</tr>
<tr>
<td>Chub mackerel</td>
<td>Red porgy</td>
</tr>
<tr>
<td>Common octopus</td>
<td>Saddled seabream</td>
</tr>
<tr>
<td>Common pandora</td>
<td>Salema</td>
</tr>
<tr>
<td>Common squid</td>
<td>Sand steenbras</td>
</tr>
<tr>
<td>Common tw o-banded seabream</td>
<td>Sea snail</td>
</tr>
<tr>
<td>Conger eel</td>
<td>Smooth-hound</td>
</tr>
<tr>
<td>Crabs</td>
<td>Striped red mullet</td>
</tr>
<tr>
<td>Cuttlefish</td>
<td>White seabream</td>
</tr>
<tr>
<td>European pilchard</td>
<td>White trevally</td>
</tr>
<tr>
<td>Crabs</td>
<td>Wide-eyed flounder</td>
</tr>
<tr>
<td>Forkbeard</td>
<td>Yellow mouth barracuda</td>
</tr>
<tr>
<td>Garfish</td>
<td>Zebra seabream</td>
</tr>
<tr>
<td>Gilthead seabream</td>
<td>Other</td>
</tr>
<tr>
<td>Grey triggerfish</td>
<td></td>
</tr>
</tbody>
</table>

What is your opinion regarding the amount of catches compared to previous years?
- Increased □  Remained the same □  Decreased □

Possible causes for decrease:
- Pollution □  Overfishing □  Commercial fishing □  Construction works □  Inadequate regulations □  Climate change □  Other: ______________

Do you consider that the average length of the species you habitually catch has:
- Increased □  Remained the same □  Decreased □

Do you think that the number of people practicing shore angling has:
- Increased □  Remained the same □  Decreased □

Do you participate in any form of the sport fishing competitions that take place in R.A.M?
- Yes □  No □

Are you familiar with the law regulating recreational fishing for R.A.M?:
- Yes □  No □  More or less □

What would you change in the current legislation?
______________________________________________________________