

Supplementary File 1: Field Research Form - Local Ecological Knowledge (LEK)

Location: _____ Municipality: _____

1 - Name of fisher: _____

2 - Nickname of fisher: _____

3 - Gender: () Male () Female

4 - Age: _____

General aspects of octopus fishing

4. Who taught you how to fish octopus?
() Parents () Grandparents () Friends () Alone;
5. Do you use traps to fish octopus?
() Yes; Which? _____ () No
6. Do you use any tools to fish octopus?
() Yes; Which? _____ () No
7. Do you dive to fish octopus?
() Yes; () No; () Sometimes;
8. How do you classify octopus fishing in this region? () artisanal; () industrial; () do not know

Seasonality of octopus fishing

9. How often do you fish octopus?
() Daily; () Weekly; () Fortnightly; () Monthly;
10. In which period do you fish octopus?
() Day; () Night;
11. Is octopus fishing influenced by the tide?
() Yes; () No;
12. In which tide do you fish octopus?
() Low; () High;
13. Does the lunar phase influence octopus fishing?
() Yes; () No;
14. In which lunar phase(s) do you fish octopus?
() Full; () Waning; () Waxing; () New

Catch effort

15. Do fish octopus alone?
() Yes; () No;
16. How long does an octopus fishery last?
() <3h; () >3h
17. How many kilograms of octopus do you fish per fishery?
() <10kg; () >10Kg
18. How much did the smallest octopus you fished weigh?
() <500g; () > 500g;
19. How much did the largest octopus you fished weigh?
() <2kg; () >2Kg

Sales

20. Are you a member of a fishing colony?
() Yes; Which? _____ () No
21. Is octopus fishing your main work activity?
() Yes () No
22. Do you sell all the octopuses you fish?
() Yes; To whom? _____ () No;
23. Do you consume all the octopuses you fish?
() Yes; () No;
24. Do you know how to differentiate male octopus from female octopus?
() Yes; () No;
25. Do you think there is more than one type of octopus in your region?
() Yes; () No;

Aspects of octopus fishing for *Callistoctopus*

26. Have you seen/captured and/or photographed an octopus that had white spots all over its body?
() Yes () No
27. If your answer was "yes", do you remember the size of this octopus?
_____cm _____kg
28. What was the size of the largest octopus of this "kind" you fished?
29. What year was it fished? _____
30. Where did you fish this octopus?

31. Which fishing gear did you use?

32. How many octopuses of this species did you catch on your best fishing day?

33. In what month and at what time did this happen?

34. What year? _____
35. Where did you fish?

36. What factor do you most take into account to differentiate this octopus from the common octopus?
() Size () Weight () Colour
37. Regarding the colour, how do you differentiate this octopus from the ordinary octopus?
38. How deep is the place where this octopus is found?
() >1m<5m; () >5m<10m; () >10m.