

## **SUPPLEMENTARY MATERIAL 1**

### **Questionnaire for stakeholders' typology in the Alaotra**

#### **Fishermen**

1. What have you done when you started to work at the very first time?
2. How many times does it take to be a fisherman?
3. How long have you been a fisherman?
4. Why have you decided to be a fisherman?
5. Where do you usually fish?
6. Do you have your own area for fishing?
7. How far is it from the edge?
8. Who teach you how to fish?
9. What kinds of investments are required for fishing?
10. How many tools do you know for fishing?
11. What kind of tools do you need for fishing?
12. How do you get the tools that you need?
13. How many tools do you use?
14. How much does it cost?
15. What kind of material is needed to build it?
16. How can you get a canoe for fishing?
17. How many techniques do exist here?
18. What is your favorite one?
19. Why have you chosen that method?
20. At what time, when, how long and how often do you fish?

21. What species do exist here?
22. What kind of species do you fish?
23. What kind of fish do you prefer?
24. How much fish do you get during the dry/wet season? Where do you fish? Why do you fish there?
25. How big are the fish during the wet/dry season?
26. How do you use the fish? (Self sustain or cash income). Where to sell it? How much and how many do sell? Who makes the price? Has it changed?
27. How much money do you get from fishing? How much is the kilo for each species?
28. What do you do for your living during the fishing closure?
29. Do you breed fish? Which species? When? Why? How many? How much money do you get from breeding fish? How do you feed them? How much do you spend for breeding?
30. Do you have some taboo about fishing? Please explain the reason?
31. Is there any association of fishermen here?
32. How can one enter it?
33. What roles does that organization play?
34. What else do you do apart from fishing for your living?
35. Why have you chosen that/those other jobs?
36. How much money and time do you spend for that/those other jobs?
37. How do you use the yield of that/those other jobs?
38. How much money do you get from that/those other jobs?
39. As a fisherman, what are you struggling with? Why? When?
40. How do you tackle theses problems?

### Rice cultivators

1. What have you done when you started to work at the first time?
2. How many times does it take to be a rice farmer?
3. How long have you been a rice farmer?
4. Why have you decided to be a rice farmer?
5. Where do you plant rice?
6. Why do you plant rice there?
7. Are you a land owner or a landless farmer?
8. What are the price for leasing or for farming on someone else's land?
9. How and when in the year do the negotiations start?
10. Who teach you how to plant rice?
11. What kinds of investments are required for rice farming?
12. What kind of tools does exist here?
13. What kind of tools do you use?
14. How many? How much does it cost/ do they cost?
15. What kind of material do you need to build them?
16. What kind of agricultural input do you use to improve your yield? Why? When?
17. How can you get them? How much, how many?
18. How do you make them?
19. How many methods do exist here for planting rice?
20. How do plant rice?
21. What is your favorite method?
22. Why have you chosen that method?

23. When, how often do you plant rice?
24. How many rice species do exist here?
25. What species do you plant?
26. What species do you prefer?
27. How much rice do you harvest in the normal and in the *contre-season*?
28. How do you harvest rice here?
29. How do you use your rice production? (self sustain or cash income)
30. How much is the kilo for each rice species?
31. How much/how many do you sell it?
32. Who buy it? Who makes the price? Has it changed?
33. How much money do you get from your rice production?
34. What do you do when you don't plant rice?
35. How do you do the monitoring of your rice exploitation?
36. Do you have some taboo or custom about rice production? Please explain the reasons?
37. Is there any association of rice cultivator here?
38. How can one enter it?
39. What roles does that organization play?
40. What else do you do apart from planting rice for your living?
41. Why have you chosen that/those jobs?
42. How much money and time do you spend for that/those jobs?
43. How do you use your rice production?
44. How much money do you get from them?
45. As a rice farmer what are you struggling with? Why and when?

46. How do you tackle these problems?

#### Vegetable farmers

1. What have you done when you started to work at the very first time?
2. How many times does it take to be a vegetable farmer?
3. How long have you been a vegetable farmer?
4. Why have you decided to be one?
5. Where do you plant vegetable? Why?
6. Are you land owner or landless farmer?
7. What are the price of leasing or for farming on someone else's land?
8. How and when in the year do the negotiations start?
9. Who teach you how to grow vegetable?
10. What kinds of investments are required for growing vegetable?
11. What kind of tools do you need for it?
12. How many tools do they exist here?
13. How many tools do you use?
14. How much do they cost?
15. What kind of material do you need to build them?
16. What kind of intrans do you use to grow vegetable? Why? When?
17. How do you make them?
18. How many industrial fertilizers do you use?
19. How much is it? How often do you use it?

20. How do you plant vegetable?
21. How many methods do exist here?
22. What is your favorite one? Why?
23. When and how often do you plant vegetable?
24. What sorts of vegetable do exist here?
25. What vegetable do you prefer?
26. How much vegetable do you harvest? And how often do you harvest?
27. How do you use your production?
28. How many/much do you sell it?
29. Who buy it? Who makes the price? Has it changed?
30. How much money do you get from your production?
31. What do you do when you don't plant vegetable?
32. How do you do the monitoring of your exploitation?
33. Do you have some taboo or custom about vegetable production? Please explain the reasons.
34. Is there any association of vegetable cultivator here?
35. How can one enter it?
36. What roles does it play?
37. What else do you do apart growing vegetable?
38. Why have you chosen that/those jobs?
39. How much time and money do you spend for that/ those jobs?
40. How do you use their production?
41. As a vegetable farmer what are you struggling with? Why and when?

42. How do you tackle these problems?

#### Cattle breeders

1. What have you done when you started to work at the very first time?
2. How many times does it take to be a breeder?
3. How long have you been a breeder?
4. Why have you decided to be a breeder?
5. What animals do you breed?
6. Who teach you how to breed domestic animal?
7. Where do you breed them?
8. How do you breed them?
9. What kinds of investments are required for breeding animals?
10. What kind of tool do you need for breeding each animal?
11. How many tools do exist?
12. How many tools do you use?
13. How can you get the tools?
14. What kind of material do you use to build them?
15. How much do they cost?
16. When and how often do you breed?
17. How do you use your production (livestock) self sustain or cash income?
18. Where do you sell them?
19. How many do you sell them?

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20. Who does make the price?
21. Has it changed?
22. How much money do you get from breeding?
23. Do you have some taboo or custom about breeding? Explain the reasons please.
24. Is there any association of breeders here?
25. How can one enter it?
26. What roles does it play?
27. What else do you do for your living apart from breeding?
28. Why have you chosen that/those other jobs?
29. How much time do you spend for that/those other jobs?
30. How do you use the yields of that/those jobs?
31. How much money do you get from them?
32. As a breeder, what are you struggling with? Why and when?
33. How do you tackle these problems?



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## **SUPPLEMENTARY MATERIAL 2**

### **Questionnaire regarding the identification of the drivers and barriers of using the water hyacinth at Lake Alaotra**

1. What are the most invasive plant species in the Alaotra wetlands?
2. What are the current negative impacts caused by the water hyacinth in the Alaotra region?
3. How do you use the water hyacinth in your daily life?
4. How can the water hyacinth be used?
5. What would you do if the entire lake would be covered with the water hyacinth?