

**This document contains the list of questions used for semi-structured interviews with stakeholders in each of the UK case study area in the following order: 1. Recreational fishermen, 2. Divers, 3. Conservation Bodies, 4. Commercial Fishermen, 4. Regulators.**

## **1. Questionnaire for Recreational Fishermen**

### **Fishing info**

- When and how often do you fish?
- What fishing methods do you use?
- Are you a local fisherman or travel to fish?
- Where do you fish? (Please indicate on the map)
- Do you think that your fishing may damage the marine environment? If so, why?
- What are the notable ecosystems/features where you fish? And what are in your opinion the biggest threats to these?

### **MPAs and fishing**

- Are you in favour of MPAs?
- 
- How many MPAs are in the area where you fish?
- Which MPAs are there (SACs, SPAs, national MPAs...)?
- Do you know why they have been designated?
- Are there any proposed MPAs in the area where you fish? Do you know why they have been proposed?
- Are MPAs affecting (likely to affect) your activity? If so, How?
- Who do you think gains and who do you think lose from the establishment of MPAs?

### **Designation of MPAs**

- Were you involved in the designation of MCZs (MPAs in Scotland)? At which level? (local/national)?
- Did you feel that your views were fully recognised/incorporated in the planning process?
- Were there any clashes of interests during the negotiation/planning process?
- How could the designation process have been improved, if at all?

### **Management of MPAs**

- How are MPAs managed (likely to be managed?) Please specify if there are bylaws, management plans etc. and the bodies involved.
- What role if any do you have in the management? What role would you like to have?
- What are the monitoring and enforcement mechanisms in place? Are they effective in your opinion?

### **Alternative conservation measures**

- Are MPAs in your view the best mechanism to protect the environment? If not,
  - Is it because of their actual form and/or decision-making procedure at their basis? or
  - Is it because there are alternative measures that in your view are more effective? If so, could you give a concrete example.

## **2. Questionnaire for divers**

### **Diving info**

- What is your diving level? (First time diver, Beginner, Expert..)
- How often do you dive in a year?
- What influences your choice of the diving sites? (presence of interesting habitats/species, accessibility of the site, low level of risk, quantity of fish...)
- Do you think that diving may damage the marine environment? If so, why?
- What are the notable ecosystems/features where you dive? And what are the biggest threats to these?

### **MPAs and diving**

- Are you in favour of MPAs?
- 
- How many MPAs are in the area where you dive?
- Which MPAs are there (SACs, SPAs, national MPAs...)?
- Do you know why they have been designated?
- Are there any proposed MPAs in the area where you dive?
- Who do you think gains and who do you think lose from the establishment of MPAs?
- Are MPAs affecting (likely to affect) your activity? How?

### **Designation of MPAs**

- Were you involved in the designation of MCZs (MPAs in Scotland)? At which level? (local/national)?
- Did you feel that your views were fully recognised/incorporated in the planning process?
- Were there any clashes of interests during the negotiation/planning process?
- How could the designation process have been improved, if at all?

### **Management of MPAs**

- How are MPAs managed (likely to be managed?) Please specify if there are bylaws, management plans etc.
- What role if any do you have in the management? What role would you like to have?
- What are the monitoring and enforcement mechanisms in place? Are they effective in your opinion?

### **Alternative conservation measures**

- Are MPAs in your view the best mechanism to protect the environment? If not,
  - Is it because of their actual form and/or decision-making procedure at their basis? Or
  - Is it because there are alternative measures that in your view are more effective? If so, could you give a concrete example?

### **3. Questionnaire-Environmental Groups**

#### **Assessment of the situation preceding the establishment of new MPAs (MCZs under MCAA 2009 or conservation MPAs under the Marine Scotland Act 2010)**

1. Is the seascape in your region adequately protected? If not, is this because of:
  - a. An insufficient numbers of European marine sites
  - b. Inadequate management provisions of European marine sites
  - c. Lack of compliance with provisions
  - d. Lack of customary arrangements
  - e. CFP issues
  - f. Other

#### **New MPAs**

1. Are MCZs (MPAs in Scotland) going to make a difference to the conservation of the marine environment in your country and region?
2. Please describe the process of designation of new MPAs (considering the responsibilities of different authorities and sea users, the decision-making processes and for a, conflicts between different groups ). Is there any room for improvement in your view?
3. What emphasis was put on socio-economic issues? How and by whom? And what did the consideration of socio-economic interests relate to that of ecological ones?
4. What are the likely ecological and socio-economic consequences of the designation of MCZs (MPAs in Scotland) in your region?
5. Who are the bodies responsible for the management? Should other interests/authorities be involved?
6. Are you familiar with the management provisions contained in the MCAA 2009 (or Marine Act 2010 for Scotland)? If so are they and their current implementation adequate to achieve environmental protection in the long run?
7. Considering the way the designation process for MPAs has unfolded, do you expect a high compliance rate with the management measures?
8. What enforcement strategies are available and are likely to be used? ( persuasive approach, deterrent approach, types of sanctions)?
9. How will the management and enforcement strategies interact with current governance arrangements? (bylaws, informal governance arrangements, CFP rules...)

## **Ecological Network of MPAs**

1. In your opinion, how important is the establishment of a network of MPAs for the conservation of the marine environment? Are there other strategies that could be employed to achieve the same protection?
2. Is the UK meeting its goal of establishing a network of MPAs?
3. What is the relationship between new MPAs and European marine sites?
4. Will the network contribute to the adaptation of biodiversity to climate change? How?

## **4. Commercial fishermen Questionnaire**

### **Commercial fishermen Questionnaire**

#### **BASIC INFO**

##### **A. Personal info**

1. Do you come from a fishing family? How many generations? If not, what triggered your interest in fishing?
2. Where do you live?
3. How many people are in your nuclear family?

##### **B. Institutional affiliation**

1. Are you a member of a PO?
2. Are you a member of any fishing co-operatives?

##### **C. Boat info**

1. How many boats do you (co) own?
2. How long is (are) your boat(s)?

##### **D. Fishing info**

1. When did you begin to fish (year)?
2. What gear do you use?
3. What do you catch?
4. What influences your choice of fishing sites? (Also use a map to circle the locations)
5. Have you ever fished in other areas? Would you like to?

##### **E. Fishing Restrictions**

1. What restrictions operate in the areas (or close to) where you fish?
2. Can you list the SACs, SPAs, MPAs, MCZ and byelaws in the region?

3. How long have these been in place?
4. Why were they designated?

#### **F. Designation**

1. Were you involved in the designation of any MPAs?
2. Did you feel your views/evidence were fully incorporated into the final decision?
3. Were there any clashes of interest during the negotiation process?

#### **G. Fishing and MPAs**

1. What has been the impact of the MPA on your activity?
2. Since the designation of the MPAs do you think your fishing has improved or not?
3. Did the designation of the MPA influence your fishing technique?
4. Have you been able to adapt? If so, how?

#### **H. Views on MPAs and conservation law**

H.1. Who benefits and who loses from MPAs?

H.2. Views on the MPA- what do you think about the following?

	Strongly agree	Agree	Disagree	Strongly Disagree
The MPA helps biodiversity protection				
Fish quantity is increased with the MPA				
The MPA attracts tourists				
The MPA is especially beneficial for recreational fishing				
The MPA fosters conflicts between different sectors				
The MPA helps combating illegal fishing				
The MPA is positive for the local economy				

H. 3. Views on conservation law

- How is the MPA managed?
- How are the activities in the MPA monitored?

- Are you satisfied with the management and monitoring procedures? If not, how can they be improved?
- At which level (local, national, European) do you think decisions should be made? Which bodies (e.g. JNCC, MMO, IFCA) should be involved?
- Are there other conservation measures that would be more effective compared to MPAs?
- Can you give an example of an attempt to protect the marine environment that you think worked very well? Why?

## **5. Questionnaire- Regulators**

### **Your role/Institutional affiliation**

1. Please give the name of your institution and the field of competence with regard to the marine conservation law.
2. Please indicate your position/expertise within the institution

### **Assessment of the current status of marine conservation**

2. Is the seascape in your nation/ region adequately protected? If not, is this because of:
  - a. An insufficient numbers of Marine Protected Areas
  - b. Inadequate management provisions of European marine sites
  - c. Lack of compliance with provisions
  - d. Ineffective enforcement
  - e. Lack of customary arrangements
  - f. CFP issues
  - g. Other

### **New MPAs**

1. Are MCZs (MPAs in Scotland) going to make a difference to the conservation of the marine environment in your country and region in your view?
2. Please describe the process of designation of new MPAs (considering the responsibilities of different authorities and sea users, the decision-making processes and fora, any conflicts between different groups, relationship between scientific expertise and other knowledge).
3. Please provide a short description of marine conservation law's management strategies. Are they adequate to achieve environmental protection in the long run?
4. Considering the way the designation process for MPAs has unfolded, do you expect a high compliance rate with the management measures?
5. What enforcement strategies and tools are available and are likely to be used? (persuasive approach, deterrent approach, types of sanctions, equipment)?
6. How will the management and enforcement strategies interact with current governance arrangements? (bylaws, informal governance arrangements, CFP rules, management and enforcement measures of European marine sites...)

7. Is there any overlap between management and/or enforcement powers of different bodies? Are the various regulators well- coordinated?

8. Should other bodies be involved in the management and enforcement of conservation law?

9. Are you familiar with marine conservation management in other parts of the UK? If so, are there any cross-national lessons to be learnt?