

Appendix for the article "Understanding the need for adaptation in a natural resource dependent community in Northern Norway: Issue salience, knowledge and values" submitted to Climatic Change.

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INTERVIEW GUIDES USED IN LOFOTEN IN CAVIAR-PROJECT, (TRANSLATED FROM NORWEGIAN)

FISHERMEN (2008-2010)

Introduction

Anonymity clause

Tell about yourself

Part 1: Current

1. Are you experiencing changes in national fishery policy, regulations and market conditions?
2. Which consequences do these change have?
3. What consequences does it have that the cod is shifting northwards?
4. Which consequences does bad weather have?
5. How can you adapt to these changes?
 - a. What – why
6. Which conditions (prices, regulations, other actors) affect how you can adapt?
 - a. Technical conditions
 - b. Regulations, laws
 - c. Accept from colleagues
7. What resources are needed to adapt?
 - a. Support from national agencies, ministries, municipalities or research institutions
 - b. How does this work?
8. How are you relating to scientific knowledge, from marine research or climate research?

Part 2 Past

9. What did the fishermen do during the periods with no cod in the 1980ies?
10. Do you have any idea about what the causes of the absence of cod could have been?
11. What were the consequences? How did you adapt?
12. What types of adaptive measures?
13. Why did you choose these measures?
14. How does the situation today differ from that of previous episodes without cod?
15. What happened with the fish buyers here last time the cod was absent?

Part 3: Future

16. Which changes will the industry see in the future? And the local communities?
17. Which consequences do the changes bring?
 - a. Opportunities
 - b. Challenges
18. How is your ability to adapt to these changes?
19. If the cod will move northward in the future, which consequences will it have for you?
20. What conditions affects future adaptation options?
21. Which resources affect your ability to adapt?
22. Comment on down scaled climate change scenarios.

Part 4 (added in second field trip)

23. Do you pay attention to the climate change debate?

24. Do you believe in what the researchers says?
25. How do you relate to knowledge from the marine scientists, does it affect the way you operate? Or are you likely to trust your own and your colleague's experience more?

FISH BUYERS/STOCKFISH PRODUCERS (2008-2010)

Part 1: Current

1. What issues is most pressing for the moment?
2. How exposed is the company for fluctuations in delivery of cod?
3. How exposed is the company for fluctuations in drying conditions for stockfish?
4. What is your strategy to secure sufficient landings of fish?
5. How do you cope with the uncertainty in landings, market conditions and drying conditions?
6. What do you do if there is no cod?
7. How do you cope with poor drying conditions?
8. How can you adapt to changing conditions?
9. Which conditions (prices, regulations, other actors) affect how you can adapt?
 - a. Technical conditions
 - b. Regulations, laws
 - c. Accept from colleagues
10. What resources are needed to adapt?
 - a. Support from national agencies, ministries, municipalities or research institutions
 - b. How does this work?

Part 2 Past

11. What did you do to secure landings of fish during the periods with no cod in the 1980ies?
12. How did you cope with the year with poor drying conditions in 2001-2007?
13. What were the consequences? How did you adapt?
14. What types of adaptive measures?
15. Why did you choose these measures?

Part 3: Future (incl presentation of downscaled climate change projections)

16. Which changes will the industry see in the future? And the local communities?
17. Which consequences do the changes bring?
 - a. Opportunities
 - b. Challenges
18. How is your ability to adapt to these changes?
19. If the cod will move northward in the future, which consequences will it have for you?
20. What conditions affects future adaptation options?
21. Which resources affect your ability to adapt?
22. Comment on down scaled climate change scenarios.

INTERVIEW GUIDE FARMERS (2009-2012)

Part 1: Current

1. How do you adapt farming to the extent of fluctuations in weather and growing conditions that you have here in Lofoten?
2. Are you experiencing changes in national agricultural policy, regulations and market conditions?
3. Which consequences do these changes have?
4. How can you adapt to these changes?
 - a. What – why

5. Which conditions (prices, regulations, other actors) affect how you can adapt?
 - a. Technical conditions
 - b. Regulations, laws
 - c. Accept from colleagues
6. What resources are needed to adapt?
 - a. Support from national agencies, ministries, municipalities or research institutions
 - b. How does this work?

Part 2 Past

7. Have you experienced years with exceptional challenging weather and growing conditions?
8. What were the consequences? How did you adapt?
9. What types of adaptive measures?
10. Why did you choose these measures?

Part 3: Future (incl presentation of downscaled climate change projections)

11. Which changes will the industry see in the future? And the local communities?
12. Which consequences do the changes bring?
 - a. Opportunities
 - b. Challenges
13. How is your ability to adapt to these changes?
14. What conditions affects future adaptation options?
15. Which resources affect your ability to adapt?
 - a. Support from national agencies, ministries, municipalities or research institutions
 - b. How does this work?
16. Comment on down scaled climate change scenarios.

INTERVIEW GUIDE MUNICIPAL OFFICERS (2008-2010)

Same questions as above +

1. Do the municipality has the relevant competence for working with adaptation?
 - a. On which areas is it lacking?
2. Do the municipality has sufficient administrative capacity for working with adaptation?
 - a. Departments or areas that are standing out?
3. Does your department have the opportunity to commission external expertise if needed?
 - a. Do you know where to find external expertise?
 - b. Do you have sufficient competence to commission the relevant expertise?
4. Have you experienced climate related natural hazards that have required action from the municipality?
5. How has the municipality experienced the knowledge that the CAVIAR-project has delivered, such as downscaled projections for climate change?
 - a. Relevant?
 - b. Comprehensible?
 - c. Was it new and surprising, or well known?
 - d. Other?
6. How do you use the scenarios?
7. Is local knowledge included in the assessments, in addition to the knowledge of the involved officers?