ANNEX 3: CASE STUDY REPORTING TEMPLATE

[Name of case study site] Case study report

Please insert a relevant picture from the study site here
INTRODUCTION

This reporting template is intended to simplify the process of collecting data across the four regions. In completing this report and using this template please bear in mind the following important points:

- It is important to obtain quantitative data wherever possible as disaggregated as possible, but we also realise that data availability may vary and this may not be possible in all cases. When a data gap occurs, a qualitative assessment should be undertaken. However, even where quantitative information are available, please try to obtain as much qualitative information as possible, in particular focusing on attractiveness of the fisheries catching sub-sector, labour mobility and key constraints on the contribution of fisheries to the local economy. It would be useful if you could make bullet point notes on key qualitative aspects explaining any data that you may come across during the data collection exercise – these bullets can then be incorporated into the write up of the focus group discussions once they have been completed.

- With all graph, tables and other information that is inserted, the source should clearly be stated, i.e., whether it is from a secondary data source, from focus group discussions or from questionnaire responses.

- Trends should use data extending back to 10 years wherever possible. When this is not feasible for any reason, it is necessary to explain why and try of provide a qualitative impression of the previous situation was and how it has changed.

- Try to stick to template: again, we recognise that data formats may be different e.g. on fleet categorisations, the species/groups of species used to record landings. In general it is better for us to have some data than no data at all, so if it isn’t quite in the right format please modify. For each of the questions involving a range of categories, explain fully what these represent, e.g., what is meant by ‘hospitality’, what is covered by the term ‘fish marketing’ etc.

This template provides guidance on:

a) the type of information being sought (bullet points);

b) why it is important and which research questions (RQ) it is intended to answer;

c) key quantitative indicators (highlighted in red);

d) the length of text expected for the section, and;

e) the sources of information.

There will be one report completed for each country, with individual case study information nested within this to avoid repetition and to increase readability. Section 1 will describe the national context, and in sections 2-5 will discuss results with respect to each of the case study sites together in a comparative format.
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1. Methods

1.1 Secondary data sources
- Brief description of secondary data sources used, the level of aggregation of data available, the reliability of the sources etc.

1.2 Focus groups
For each stakeholder grouping:
- Description of how participants were selected for each group; wider community (a), fleet segment representatives (b) and employee-types within each fleet segment (c)
- Provide the sample size and how stratified sampling was used to ensure all fleet segments and employee-types were represented adequately.
- Detail how many focus groups took place with each of the groups (a, b and c) and if any issues were observed (e.g. one person dominating discussions/certain people who felt unable to express their opinions sufficiently)

1.3 Questionnaires
- Questionnaire for group B (organisational questions for fleet segment representatives): indicate whether sample is same as participated in the focus group, or describe how and why it may be different.
- Questionnaire for group C (household-related questions for different employee-types within each fleet segment): indicate whether sample is same as participated in the focus group, or describe how and why it may be different.

2. Settings
(ideal length ~10 pages)
- This section provides descriptive statistics of the local case study area in relation to its national context. The connection between the case study and the region and the country has to be clearly visible (e.g.: *Cambados represents X% of the Galician fleet and X% of the Spanish fleet*.............)

The fisheries catching sub-sector is described as a whole in relation to its position in the local economy.

2.1 Description of case study sites
- Description of what constitutes the ‘locally coherent areas’ selected, e.g. number of administrative areas / names of fishing port/s (identify in terms of number of/which LAU2s)

Insert a map of the location selected, detailing the size of the area (km²).
• Key geographical aspects of the community and the surrounding seas. This should include details of average climatic conditions in terms of temperature, rainfall and day length, whether the community is predominantly rural or urban, is mainland or an island, distance to regional capital (in km), is the community in an exposed or sheltered location, estimated distance (km) to continental drop-off, is the main fishery a freshwater/lake fishery, local seabed and coastal characteristics (sandy, rocky etc.). (secondary data sources/observation/Stakeholder group A)

Insert photos of important features such as ports, coastal shoreline or demonstrating anything else described in the text.

• Description of when the community was established and outline of key historical events that have shaped the community to date, such as previous industrial activity which has declined, a sharp increase in tourism, a major new development or regeneration programme in the area etc (if not relevant). (secondary data sources and discussions with Stakeholder group A)

2.2 Demographics
Population size, age profile, place of origin, religious diversity, life expectancy, immigration rate and profile. (Note key changes, particularly in relation to national/regional changes. If quantitative data are not available, then comment qualitatively on the overall trend and comment on this in relation to national picture.) (this information will be obtained from local secondary data sources where available and from discussions with Stakeholder group A)

RQ: How do the demographics of the local population differ compared with the national?
RQ: What trends are currently taking place in the demographic of the local community and why?

• Changes in the total population in the community

Insert graph (f) of total population over time (ideally data should be provided for a series of years as per the excel file, but if data only available comparing two years, which are five or more years apart, then please provide that).

• Age structure and the changes in age structure in the community over time

Insert chart (g) of age structure over time. (ideally data should be provided for a series of years as per the excel file, but if data only available comparing two years, which are five or more years apart then please provide that).

• Origin of community members (local, EU, other) and of community compared to the national (if different).

Insert pie chart (h) of place of origin. If there are timeseries data available, please include or describe major changes qualitatively.
• Assessment of movement trends in/out of the area over time (these changes may have occurred over a long time span and there may have been more recent changes due to the EU) and details of the impacts on age/sex/origin composition of the community (only if relevant).

Insert graph (i) of people moving into and out of the area over time.

• Life expectancy compared with national (if available)

Insert chart (j) of life expectancy at birth over time for males and females

2.3 Employment opportunities/sector overview
(Comparison with regional/national statistics) (this information will be obtained from local secondary data sources where available and from discussions with Stakeholder group A)

RQ: How has the local economy been developing and diversifying over time?
RQ: What are the main driving factors behind the observed changes in the community development and diversification in recent years?
RQ: What employment opportunities are available locally and what is the level of dependency within the community on the different sectors (focusing on fisheries)?

• One short paragraph of general introduction with qualitative description of general economic trends, i.e., is area declining/improving (regional GDP or GVA or total economic value)?

• Comparison of averages wages with the national level.

• Discussion of the status and trends in the dominant economic sectors. If no trend data are available then please provide a current quantitative picture of the status of the key sectors, and a qualitative view of trends.

Insert graph (trends) (k) or pie chart (current status) of trends in key economic activities, depending on the level of analysis.

• Identification of any new/emerging/transient sectors and sectors that are identified as in decline. Qualitative discussion of reasons behind these trends, e.g., significant investments, tax breaks.

• Local employment/unemployment trend over time (full-time and part-time jobs) and unemployment (or periodic reference points if annual trend data not available). Qualitative discussion on how such trends differ from national picture.

Insert graph (l1) of employment/unemployment trend.

• Number of people employed in each sector over time with qualitative description of the trends. Describe any seasonal patterns mean that people move between sectors. Describe how the how fisheries have developed compared to other economic sectors.

Insert graph (l2) of employment by sector.
• Provide a qualitative description of the local economic strategy for growth, and key sectors identified for investment priority. Highlight specifically if fisheries are mentioned/included in strategy and importance of fisheries sector relative to others, and any key outcomes or milestones specified in economic strategy; e.g., creation of new commercial and leisure harbour facility by 2015.

Insert graph (m) of number of firms by sector.

2.4 Fisheries

RQ: What are the main trends taking place in the fisheries sector as a whole, e.g. growth, decline and why?
RQ: How does the community perceive the value of the fish catching sub-sector in real and symbolic terms?

• Provide a broad description of the trends taking place in the fisheries sector as a whole, discussing the contribution to the local community in terms of economic profitability and employment and overall level of attractiveness of the sector (Stakeholder group A).

• Describe the perception by community of value of the fisheries sector (including social and cultural value, compared with economic value in section 2.3) (Stakeholder group A).

• Trends in key stocks on which the various fleets are dependent. Please provide a description of the current catch relative to MSY, and/or stock status, and a qualitative description of the recent trends in these stocks together with details of any impacts these have had on the local fleet (e.g. switching species/gears) (secondary data sources such as ICES reports and Stakeholder group B).

Insert graph of trends in key stocks

Insert table (n) of stock status

• Include any quantitative information available for stocks that are not managed through TACs. If this is unavailable, then provide a qualitative impression of the state of these stocks, stating the source of information (e.g., fishermen) (Stakeholder group B).

• Infrastructure of the fisheries catching sub-sector - landings facilities (such as harbours/quay wall length, gear stores) with qualitative description of any significant changes over the past five years (Stakeholder group B).

• Describe whether most landings are made by locally-based fleets or whether there are significant visitor vessels (Stakeholder group B).
A qualitative description of the seasonality of fisheries and non-fisheries sectors and how they are affected by the seasons (e.g., capture fishing affected by storms and short day-length in winter and seasonal migrations of fish in summer that increase catches in May/June, is community heavily reliant on seasonal tourism, etc.) (Stakeholder group B).

Insert a map of areas fished, including other uses of the marine landscape. (secondary data)

- Identification of and description of fleet segments based on DCF-defined fleet segment categorization so that data may be linked (table: fleet segments; number of vessels; key species by season; location fished (ICES) by spp.; gears by spp.; employment/vessel; volume landings; value landings) (secondary data).

Insert Table (o) of fleet segments.

- Provide a quantitative and qualitative description of the trends in key fleet segments (length class and métier) over time and explain the factors that have been driving the observed changes – include changes such as new entrants and movement between métiers as well as initiatives to develop new types of fishing activities in response to exogenous factor (e.g., fuel price rises) (secondary data and discussion group B).

2.4.1 Fleet segment 1
(ideal length ~2 pages per fleet segment)

These sections look at each fleet segment in more detail, describing the operations of the different business models in place, family involvement, economic performance and diversity of businesses within the segment. This is followed up with a more in-depth analysis of employee-types within the fleet segment, focussing more on the individual level.

RQ: What are the constraints and opportunities fishers face and how do these translate into fishing decisions?
RQ: Is there separability between production and consumption?
RQ: What is the vulnerability status of different fleet segments and for different types of employee within those segments?
RQ: How pervasive is the shadow labour force, what role does it play and why does it exist?
RQ: What is the attractiveness of the fleet segment and what are the main barriers to entry?

- Rationale for aggregating fleet segments into the selected groupings (these can be aggregated at a higher level than the fleet segments identified in section 2.4 as long as they are meaningful groupings for providing information to the following sections).

Fleet segment as a whole
Local business operations/ working patterns
- Business structure in terms of family involvement (over time) (Questionnaire group B and Stakeholder group B)
- Description of decision-making processes (who is involved – is there spouse/partner involvement?) (Stakeholder group B)
- Working patterns and schedules within the fisheries sector (qualitative description of working patterns for each business type with proportion of time allocated to each activity such as days at sea, hrs per week etc) (Questionnaire group B and Stakeholder group B)
- Description of the seasonality of activities - when and where activities are taking place and the importance of mobility. Schedule of work for each key season (e.g. species/gears/locations/days at sea) by employee type (Stakeholder group B).

Insert season diagram and summary
- Number of employees in organisation by type (skipper, admin, crew, managerial etc) (Questionnaire group B).

Insert table of employee type (p)

- Demographic make-up of the organisation as a whole (total workforce composition (including age, gender and origin) and qualifications) age profile, place of origin) (Questionnaire group B).

Insert bar chart of demographics of business (p)

- Level of family involvement in business. Describe family structure and the nature of individuals’ involvement in the business. Are spouses/partners/children involved (or have they ever been involved)? If so, what was the nature of the work (specific tasks), was it formal/informal? Were they paid? What is the legal status of these spouses/partners in the business? (Questionnaire group B).
- What is the driver for spouse/offspring labour? Why are family chosen over other potential employees? (e.g., not enough money in business, supporting in times of hardship, preference to maintain family life-style, convenience as household member has more access to inside information etc or might be more flexible in terms of casual labour) (Stakeholder group B).

Insert table (q) of family and non-family members in business

Economics

Provide an overview of the economic performance of the fleet segment, including revenue, operating costs, outstanding loans, subsidies and grants etc over time.
• Economic performance. Insert summary of opinions of representativeness of AER/other data of the value of fleet segment (Stakeholder group B).

• Landings volume (secondary data sources)

Insert graphs (r) of trends in landings volume (feel free to break down species groups into particular species by adding rows if data are available)

• Landings value (secondary data sources)

Insert graph (r) of trends in landings value

• Price at first sale by species group (secondary data sources)

Insert graph (s) of trends in price for key species as identified above (secondary data sources)

Insert graph (t) of trends in fleet segment numbers (secondary data sources)

Insert graph (u) of trends in fleet segment power (secondary data sources)

Insert graph (v) of trends in fleet segment tonnage (secondary data sources)

• Describe business remuneration type (wage/salary/piece-work/share). Describe qualitatively whether/how has this changed over time (Questionnaire group C), and which is preferable to employees (Stakeholder group C).

Insert table (w) of remuneration type

• Describe factors affecting economic performance of fishing segment (e.g., fuel prices, market conditions) (Stakeholder group B).

Employees within segment

• Describe the type of benefits provided by the business (pensions, bonuses, toil, overtime, non-value benefits?), whether these vary by employee-type and how they are viewed. Do spouses/partners who work informally obtain these benefits? (Stakeholder group B.)

Insert table (x) of wage bands

• Describe the various attributes required to enter the fleet segment (skills/qualifications/experience/education) by role (Questionnaire groups B & C)
• Labour mobility between fleet segments. Provide a qualitative description of the type of fleet segments staff are most likely to move to and from, and between which positions within the organisations (Questionnaire groups B & C and discussion group B).

Insert bar chart (y) of education level

• Discuss wider perceptions of the transferability of skills from the fisheries sector by employee type (Questionnaire groups B and C and discussion group B).

Insert graph (z) of incoming and outgoing staff over time

• Demographic make-up of the organisation by employee-type (Questionnaire groups B).

Insert bar chart (p) of demographics by employee-type

• Provide a qualitative description of employee perception of their own wealth compared with other fleet segments and other sectors. Has this changed over time? (Stakeholder group C).

• Description of whether the employee-types consider their views to be well represented in institutions at the local and higher levels (Stakeholder group C).

• Discuss any work that has ever been performed by spouses/partners for the organization (or a related sector/sub-sector), including work that has not been formally recognized or paid for. Discuss the type of work/role played by the spouse (Questionnaire groups B & C and discussion group B).

Insert graph of level of family involvement in business (q) (Questionnaire group B)

• Summary description of how the segments are developing/adapting and the factors that are assisting/constraining this (institutions/ stocks/ demographic/ political).

2.4.2 Fleet segment 2
Same format as above.

2.4.3 Fleet segment 3
Same format as above.
2.5 Summary of settings

Insert summary table comparing the major characteristics of the fleet segments (as per the examples for A Guarda and Cambados)

<table>
<thead>
<tr>
<th>Fleet segment 1</th>
<th>Fleet segment 2</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Target species status</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Fleet evolution</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Business type</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Demographics</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Average annual income (EUR)</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Main education level</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Highlights</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Key points</strong></td>
<td></td>
</tr>
</tbody>
</table>

Summary of the fisheries sector and the various fleet segments, describing how fisheries fit into the local economy. How this changed over time and what have been the drivers of changes. Identify what is attractive/unattractive about the sector/segments (inc’ barriers to entry).

3. Linkages
(ideal length 10 pages)

Following on from the description of the dominant sectors in the local economy, characteristics of the fishing fleet and groups of workers within these fleets, the linkages between these are reviewed. Linkages are assessed between sectors and within sectors, between fleet segments and fisheries sub-sectors, focussing on mutual dependencies and whether relationships are competitive or synergistic. This evaluation centres on geographic/physical, labour-based, institutional and economic linkages and explores how these interactions have changed over time and why (at all levels, ranging from household, local to national).

3.1 Inter-sectoral linkages

Geographical (Stakeholder group B)

- Describe any spatial interactions, e.g., competition for space with renewable energy/resource extraction industries or synergies, e.g., offshore installations attracting fish aggregations, in the marine environment in relation to the map above.

- Describe any other maritime activities present, and any interactions that exist.

- Describe any historical linkages to the location.
Labour (Stakeholder group C)
- Description of the types of competition or synergies between sectors for labour and how this has changed over time.
- Describe how employment prospects vary between sectors in terms of starting incomes and other factors influencing choice of employment.
- Outline any contractual arrangements which make fishers dependent on their suppliers.

Describe the level of dependency (in terms of employment) of other sectors in the area on local fishing and how they would be impacted if the fishery was closed in the short, medium and long-term.

Institutions (Stakeholder group C)
- Description of the role of fisheries-sector institutions (formal and informal) and services that they provide to the various fleet segments, including economic (marketing?) and employment opportunity/loans etc.
- Provide a qualitative description of key non-fishing sector organisations and their links with the fishing sector/organisations (if any), with comment on any changes in their importance/membership over time (and why). Examples could include local government, other sector/industry representatives, chambers of commerce, development groups, and wider civil society groups.

Economic (Stakeholder group B)
- Describe any formal links between the fisheries sector and the wider community (other sectors) including upstream and downstream linkages, including possible dependencies of other sectors in the local economy dependent on fisheries (number of jobs generated outside the fisheries sector such as tourism).
- Outline any financial dependencies of fishers on their suppliers.
- Describe the level of financial dependency of other sectors in the area on local fishing and how they would be impacted if the fishery was closed in the short, medium and long-term.
- Describe the ways in which the business or household is able to either overcome financial constraints or take advantage of opportunities which institutions (banks/family/other businesses etc) provide credit for opportunities and which support in times of need (church/family/cooperative etc). How frequently are these relied upon and what is the economic value of this support.

3.2 Intra-sectoral linkages

2.2.1 Between fleet segments

Geographical (Stakeholder group B)
- Describe any spatial interactions, e.g., competitive for use of fishing grounds, in the marine environment in relation to the map above. This should include interactions within the locality (e.g. competition between local fleets) but also in interactions with other vessels entering
the locality (e.g. Portuguese vessels in A Guarda) and interactions with vessels from the locality entering other areas (e.g. Cambados’s fleet in Santander and Ribeira and A Guarda’s fleet in Vigo).

**Labour (Stakeholder group C)**
- Describe the links that exist between fleet segments and nature of those links (competitive, synergistic) (Discuss in relation to graph z).

**Institutions (Stakeholder group C)**

*RQ: Which institutions most important in times of hardship? What services can they provide?*  
*RQ: Do all segment employee types have a ‘voice’ regionally/nationally?*

- Qualitative description of informal and formal institutions providing links between the fleet segments.
- Description of the representation of each of the fisheries segments within institutions of fisheries governance and their links from the local to the national level. Does a particular fleet dominate?
- Description of Interactions between fishers from each fleet segment and local, regional, national and EU administrations facilitated through management groups such as FLAGs and cofradías and their composition. Describe key roles these have had over time in periods of change. Identify which are perceived as most influential on local activities and how.
- Levels of services available (e.g., state minimum wages, pensions, social services) and local support mechanisms (e.g., through local cooperatives and other formal and informal arrangements). This will include understanding the role played by informal markets and reciprocal arrangements in providing services to households and the role of different economic sectors/relationships and resources as a safety net.

**Economic (Stakeholder group B)**
- Are there any economic dependencies between fleet segments? E.g., fishers grouping together to purchase inputs.
- Quotas, including ITQs. Description of the process by which quotas are obtained by fleet segment. Any issues.
- Competition for markets.

*Insert graph (aa) of amount of quota obtained over time by fleet segment.*

**2.2.2 Between subsectors**

**Geographical (Stakeholder group B)**
- Describe any spatial interactions, e.g., competitive for use of fishing grounds, in the marine environment in relation to the map above.
• Describe whether the geographical location of the various subsectors (e.g., fish processing) reflects the present time or a history of development and whether this affects who benefits from the fisheries sector.

Insert table (ab) of processing sector companies in the area

**Labour (Stakeholder group C)**

RQ: *How much of the chain of activities (marketing, processing etc.) are maintained within the household or in other (define e.g., neighbouring, relation) households?*

• Describe the level and nature of involvement of other household members in other subsectors of the fishing industry, e.g., members involved in fish processing and marketing.

• Number of jobs created outside the catching sub-sector.

**Institutions (Stakeholder group C)**

• Description of the key local fishing sector organizations, covering private sector groupings such as catching sector producer organisations, marketing cooperatives, processor associations, etc., and describe any forums in which the different sub-sectors meet. Comment on any changes in their importance/membership over time (and why).

**Economic (Stakeholder group B)**

• Description of the marketing arrangements (price setter/taker) by segment. Perceptions of this and user satisfaction with process.

• Describe the fate of fish – where do they go (processing, markets)? Highlight any economic dependencies that exist between subsectors either upstream or downstream such as potential risk-sharing schemes with suppliers.

• Identification of critical bottlenecks in the value chain (e.g. lack of resources/restrictive practices)

• Description of the level of fish-products derived from aquaculture v wild capture fisheries passed on to marketing sector over time (sectors competing for the same markets e.g. aquaculture).

• Is there competition for the same markets, e.g., with the aquaculture sub-sector?

Insert graph (ac) of value of the ancillary sub-sector (secondary data sources)
Insert graph (ad) of volumes and value from aquaculture (secondary data sources)

**3.3 Summary of linkages**

Summary of the interactions between the fishing sector and other sectors, the catching subsector and other sub-sectors and between fleet segments, and key factors influencing these relationships.
4. Role of fishing
(ideal length ~10 pages)

Rationale: this section will provide a more qualitative interpretation and discussion of the results from previous sections and aims to provide a greater understanding of fisher perspectives and factors affecting decision-making process, to highlight which groups are most vulnerable to various types of change, what mechanisms of adaptation they have and current support structures in place. While this section will be more descriptive, we should still aim to achieve a minimum of triangulation of responses before making assertions/generalisations.

4.1 Fisheries as an economic activity
(by fleet segment, dynamic)

3.1.1 Diversification
RQ: What is the level of dependence on fishing at the household and local community levels?
RQ: Is employment typically long-term or short-term, is there constant rotation or stability by employee type?
RQ: What drives family members to join the family business/become involved in fishing?

- Describe the regional dependency on the fisheries sector in terms of employment and value (calculated based on secondary data from section 2)

Insert graph (ae) of proportion employed in the fisheries sector over time

Insert graph (af) of economic dependence on the fisheries sector over time

- Describe importance of the fisheries sector at the household level (Questionnaire group C)

Insert graph (ag) of sources of household income from the fish catching sub-sector by fleet segment

Insert graph (ah) household time allocated to each income-generating activity as a proportion of the total working time

- Description of the nature of livelihood diversification at the national and household levels, including a discussion of the dynamic aspects. Discuss how things have changed and how people are preparing for future changes (at the household and institutional level e.g. undertaking education, lobbying) (Stakeholder group C)

- Discuss the primary reasons for fishing compared with other economic activities (Stakeholder group C)

- Discussion of the stability of employment within each fleet segment and the fisheries catching sub-sector as a whole (Stakeholder group C, Questionnaire group C)
Insert graph (ai) of length of time in organisation, fleet segment and employee type (Questionnaire group B)

- Discuss the perceived attractiveness of the fisheries catching sub-sector as a whole, by fleet segment and by employee type. Include a description of difficulties experienced in recruiting new labour/crew (Stakeholder group C)

4.2 Adaptation
RQ: What is the adaptive capacity of the fisheries sector like? (qualitative evaluation) What effect have certain events (economic, ecological, social and governance) had across the fisheries sector?
RQ: How have changes in segment fishing opportunity/performance affected employees? (who wins and who loses from changes that affect the segment?)
RQ: How have informal markets (undeclared/non-market family labour and other undeclared activities and arrangements) served as a buffer against hard times?

Analysis of adaptive response (Stakeholder group C)

- Describe fishers’ responses to changes based on historic events. Ask specifically about responses to:
  1. increases/decreases in resource abundance
  2. increases/decreases in wider economic situation

Organise by fleet segment and employee-type (Table 1). If some of these types showed the same responses, then combine categories as appropriate. Alter the scenarios/events describing as appropriate also. Describe the key factors involved in decision-making in each of these situations, classified as both opportunities for adaptive responses and constraints to adaptation.

For each of the categories, describe whether the response consisted of:

1. Leaving the job.

Discuss labour mobility options
  o between fleet segments
  o between the fisheries catching sub-sector and other sectors

(e.g., describing barriers to entry and exit such as the key considerations determining employee selection: family/fishing experience/education/ skills/qualifications/experience and views regarding employment opportunities outside the fisheries catching sub-sector and outside the fisheries sector entirely, funding for vessel scrapping). Discuss whether key demographic groups have fewer/more opportunities and the role (if any) of institutions such as the provision of training.)
2. Remaining in the same job.

Discuss how the decision was made to remain in the job (constrained by other factors, or enabled). Were changes necessary, and if so what? E.g., change in target stock, fishing location, provision of support in the form of financial loans or subsidies, institutional support such as the presence of lobbying groups for increased political leverage.

3. Reducing reliance on the job.

This might involve not leaving the job altogether, but maintaining a diverse array of income sources and adapting accordingly. Describe any changes made in working activities such as a lesser proportion of time spent undertaking fishing-related activities and which other activities took a more prominent livelihood role.

For each of these potential behavioural responses, consider how the decisions were made according to the varying opportunities and constraints of individuals. These could be considered in terms of the influence of the availability of capital assets:

- Social (e.g., institutional support, informal support mechanisms)
- Physical (e.g., ownership of boats that might be used for other employment activities)
- Financial (e.g., the availability of loans, subsidies, savings)
- Natural (opportunity to fish in another location, target another species)
- Human (education, skills and experience)

- Discuss how the arrangements and links with other activities within the household, and with other households (both fisheries related – e.g., marketing, processing and other value adding activities – and in other economic sectors – e.g., hotels and catering) affect potential adaptive responses to change.

- Use this analysis to identify key supporting mechanisms/ reasons why people involved in fisheries have been able to adapt/continue in the past. This should include describing which groups are the most and least resilient to change and how this vulnerability is affected by the types of assets they have access to and the institutional support provided.

Table 1. Analysis of adaptive response by fleet segments and employee-type (bear in mind that this table need not be presented in the final case study, but is more a tool to structure the analysis to ensure all topics are covered).

<table>
<thead>
<tr>
<th>Scenario/Historic event</th>
<th>Fleet segment</th>
<th>Employee-type</th>
<th>Increase in resource abundance</th>
<th>Decline in resource abundance</th>
<th>Declining wider economy</th>
<th>Improving wider economy</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>skipper</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
4.3 Future development of the community

- Describe how people are preparing for future change in response to past changes. Relate these back to the five capital assets described in the section above (Stakeholder discussions group C).

- Report findings from SWOT analysis related to perceived strengths, weaknesses, opportunities and threats for the future. Provide text to elaborate on the summary table considering scale and dynamics rather than as a static analysis (Stakeholder SWOT group C).

4.3 Future development of the community

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5. Summary and conclusions

Brief summary (what role does fishing play in the case study area? Primary income-generating, recreational, risk aversion, supporting?)

Success stories - identification of influential factors.

Suggested actions (local/national/regional) that might improve fisheries/strengthen roles (income/food/cohesion).
• Recommendations for the DCF
  ✓ DCF elements – potential identification of important indicators?
  ✓ Summary of what may be missed from the aggregate indicators used currently.
  ✓ Identification of data already collected which may be easily incorporated into the DCF to maximise efficiency.