SEA BASIN CHECKPOINT
LOT4: BLACK SEA

CHALLENGE 6 - Fishery Management
Expert evaluation of Targeted Products

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Expert evaluation of Targeted Product quality

Please use your own judgement to describe for each Targeted product of the assessment of the "fitness for purpose and use". For each Targeted product please comment on the following points:

1) Assign an overall product quality score with respect to scope (fitness for purpose) and explain why, according to the scale in Table 1.

2) Identify the most important characteristic(s) for the Targeted Product quality (if all characteristics are important, please say so).

3) Identify and explain what is (are) the quality element(s) of the most important Characteristic(s) that affects the Targeted product quality.

4) Identify and explain the limitations on the quality of Targeted products due to the input data set used (fitness for use).

5) Comment and explain which Characteristics and respective data set "fails the most" to meet the scope of the Targeted product (fitness for use).

6) Provide an expert judgement of the most important gaps in the input data sets for each Targeted Product.

SCORE	MEANING
1	EXCELLENT → completely meets the scope of the Targeted Product
2	VERY GOOD → meets more than 70% of the scope of the Targeted Product
3	GOOD → meets less than 50% of the scope of the Targeted Product
4	SUFFICIENT → does not adequately meet the scope but is a starting point
5	INADEQUATE → does not fulfill the scope and is not usable

Table 1. Targeted Products quality scores and their meaning.

BLACKSEA_CH06_Product_1

1) The overall product quality score with respect to scope (fitness for purpose) is **excellent (1)**. Landings data cover the entire Black Sea (for mass).
2) All characteristics are important because they have different spatial and temporal coverage.
3) The following aspects of quality have the greatest effect on the Targeted product quality:
   - **Spatial extent**: the product covers the entire Black Sea basin only in terms of mass.
   - **Time extent**: the product covers the period starting with 2008 until 2015.
   - **Time resolution**: the targeted product is based on yearly reporting under the EU DCF (STECF) and GFCM.

- **Usability**: the product is easy to understand and use.
- **Completeness**: data are complete for mass.
- **Logical consistency**: the targeted product agrees with the format required.
- **Thematic accuracy**: the values reported in the targeted product are close to the true values at the highest level of correctness

4) The limitations of the product due to the data sets used are:
   - data on the number of fish landed are not available for the whole region or over a long time; and
   - the data are not up-to-date because they are not usually available for 1-2 years, depending on the dataset.

5) The product is based on one characteristic [Abundance of Fish (WoRMS 11676) per unit area of the bed by picking] which covers the scope of the Targeted product.

6) The most important gaps in these targeted products are related to incomplete spatial and temporal coverage, especially of in the number of fish landed.

BLACKSEA_CH06_Product_2

1) The overall product quality score with respect to scope (fitness for purpose) is **good (3)**. Discard data cover only Romanian waters, both for mass and number.

2) All characteristics are important because they have different spatial and temporal coverage.

3) The following aspects of quality have the greatest effect on the Targeted product quality:
   - **Spatial extent**: the product covers Romanian waters, both for mass and number.
   - **Time extent**: the product covers the period starting with 2010 until 2016.
   - **Time resolution**: the targeted product is based on yearly reporting under the EU DCF (STECF) and GFCM.
   - **Usability**: the product is easy to understand and use.
   - **Completeness**: data are complete for mass and number.
   - **Logical consistency**: the targeted product agrees with the format required.
   - **Thematic accuracy**: the values reported in the targeted product are close to the true values at the highest level of correctness

4) The limitations of the product due to the data sets used are:
   - data on the mass and number of discarded fish are not available for the whole region or for long time series; and
   - the data in the DCF data set are not up-to-date because they are usually only made available after 1 year.

5) The product is based on one characteristic [Abundance of Fish (WoRMS 11676) per unit area of the bed by picking]. The greatest limitation of the characteristic and the respective data sets is that they fail to meet the scope of the Targeted Product due to the incomplete spatial and temporal coverage, especially for discards (only Romania covered).

6) The most important gaps in these targeted products are related to incomplete spatial and temporal coverage.

BLACKSEA_CH06_Product_3

1) The overall product quality score with respect to scope (fitness for purpose) is **very good (2)**. By-catch data cover Romanian and Bulgarian waters, for mass.

2) All characteristics are important because they have different spatial and temporal coverage.

3) The following aspects of quality have the greatest effect on the Targeted product quality:
   - **Spatial extent**: the product covers Romanian and Bulgarian waters, for mass.
   - **Time extent**: the product covers the period starting with 2009 until 2016.
   - **Time resolution**: the targeted product is based on yearly reporting under the EU DCF (STECF) and GFCM.
   - **Usability**: the product is easy to understand and use.
   - **Completeness**: data are complete for mass.
   - **Logical consistency**: the targeted product agrees with the format required.
   - **Thematic accuracy**: the values reported in the targeted product are close to the true values at the highest level of correctness

4) The limitations of the product due to the data sets used are:
   - data on the mass and number of by-catches of vulnerable species are very limited in their spatial and temporal coverage; and
   - the data in the DCF data set are not up-to-date because they are usually only made available after 1 year.

5) The product is based on one characteristic [Abundance of Fish (WoRMS 11676) per unit area of the bed by picking]. The greatest limitation of the characteristic and the respective data sets is that they fail to meet the scope of the Targeted Product due to the incomplete spatial and temporal coverage, especially for by-catches (only Romania and Bulgaria covered).

6) The most important gaps in these targeted products are related to incomplete spatial and temporal cover