



## SEA BASIN CHECKPOINT LOT4: BLACK SEA

### CHALLENGE 7 - Fishery Impacts Expert evaluation of Targeted Products

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## Table of content

<b>Table of content .....</b>	<b>3</b>
<b>Expert evaluation of Targeted Product quality .....</b>	<b>4</b>
BLACKSEA_CH07_Product_1 .....	4
BLACKSEA_CH07_Product_2 .....	5

## 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\_CH07\_Product\_1

- 1) The overall product quality score with respect to scope (fitness for purpose) is **good (3)**. The VMS maps cover only Romanian fishing zones in the Black Sea.
- 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 does not cover the whole Black Sea for the following reasons: a) VMS is only adopted by EU countries; b) not all EU countries provide this kind of data (Romanian data available only).

- **Spatial resolution:** the targeted product is based on a 2 x 2 km grid that may be suitable to describe the impact of fisheries on the sea floor.
  - **Spatial accuracy:** VMS data have high accuracy as they are acquired through GPS.
  - **Time extent:** the product is time limited because the VMS system is not implemented simultaneously by all Black Sea countries.
  - **Time resolution:** the targeted product is based on yearly grid maps that may be suitable to describe the temporal extent of the impact of fisheries on the sea floor.
  - **Usability:** the product is easy to understand and use.
  - **Completeness:** due to the lack of spatial and temporal data from all around the Black Sea, the level of missing data is high.
  - **Logical consistency:** the targeted product agrees with the format required.
  - **Thematic accuracy:** uniform.
- 4) The limitations of the product due to the data sets used are:
- the absence of maps covering the whole Black Sea region and of long time series.
- 5) The greatest limitation of the characteristics and respective data sets is that they fail to meet the scope of the Targeted Product due to the incomplete spatial and temporal coverage of the data sets.
- 6) The most important gaps in these targeted products are related to the limited geographical and temporal coverage, because the VMS system was implemented in the EU Black Sea countries in different years.

#### BLACKSEA\_CH07\_Product\_2

- 1) The overall product quality score with respect to scope (fitness for purpose) is **good (3)**. The maps cover only Romanian and Turkish fishing zones in the Black Sea.
- 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 does not cover the whole Black Sea, data was available only for Romania and Turkey (FP7 Benthis project).
  - **Spatial resolution:** the targeted product is based on a 2 x 2 km grid that may be suitable to describe the impact of fisheries on the sea floor.
  - **Spatial accuracy:** data are highly accurate as they are acquired through GPS.
  - **Time extent:** the product is time limited because data were available only for 2014 (Turkey) and 2016 (Romania).
  - **Time resolution:** the targeted product is based on yearly grid maps that may be suitable to describe the temporal extent of the impact of fisheries on the sea floor.
  - **Usability:** the product is easy to understand and use.
  - **Completeness:** due to the lack of spatial and temporal data from all around the Black Sea, the level of missing data is high.
  - **Logical consistency:** the targeted product agrees with the format required.
  - **Thematic accuracy:** uniform.
- 4) The limitations of the product due to the data sets used are:
- the absence of maps covering the whole Black Sea region and of long time series.
- 5) The greatest limitation of the characteristics and respective data sets is that they fail to meet the scope of the Targeted Product due to the incomplete spatial and temporal coverage of the data sets.

- 6) The most important gaps in these targeted products are related to the limited geographical and temporal coverage.