



Second Black Sea Checkpoint Data Adequacy Report

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Objectives

- document the reliability and utility of the existing monitoring system at the sea basin level **USING TARGETED PRODUCTS FOR CHALLENGES**;
- identify the gaps and prioritize the needs in order to optimize the monitoring system.

Checkpoint challenges

1. Windfarm siting
2. MPAs
3. Oil Platform leak
4. Climate
5. Coasts
6. Fishery Management
7. Fishery Impact
8. Eutrophication
9. River inputs
10. Bathymetry
11. Alien Species

Data collection programs

Copernicus
EMODnet TAGs
Fisheries Framework
National databases
International databases

Checkpoint indicators

- Inadequate
- Partially adequate
- Totally adequate
- Not relevant



Black Sea Checkpoint Challenges



Methodology

The assessment methodology has been based on four elements:

1. The **Data Products Specification (DPS)** and related quality elements;
2. The **Targeted Data Products (TDP)** information and the related quality elements;
3. The **Upstream Data (UD)** used for the products and the related quality elements;
4. The calculation of **appropriateness indicators** from the DPS, UD and TDP quality elements.

Indicator values have been grouped in three colour codes in order to increase the readability of the results



Totally Inadequate: urgent actions are required to provide datasets and services fitting for use



Partly Adequate: limited actions are required to provide datasets and services fitting for use



Fully Adequate: actions and services are fit for use and should be maintained

9 Indicators for the appropriateness assessment

Appropriateness: What is the quality of the monitoring data for the Challenge products	
Definitions	Name of Appropriateness Quality Elements
Completeness	
Horizontal Spatial Coverage	AP-1-1
Vertical Spatial Coverage	AP-1-2
Temporal Coverage	AP-1-3
Consistency	
Number of Characteristics	AP-2-1
Accuracy	
Horizontal Resolution	AP-3-1
Vertical Resolution	AP-3-2
Temporal Resolution	AP-3-3
Thematic Accuracy	AP-3-4
Temporal Quality	
Temporal Validity	AV-4-1

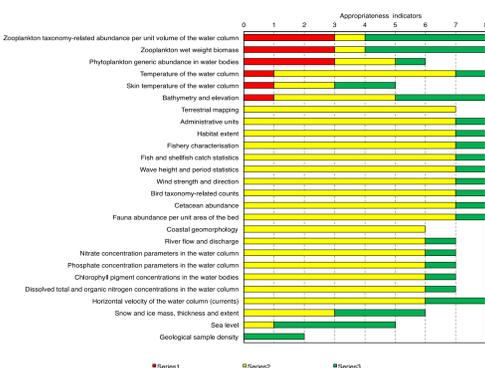
Assessment results

61 Targeted Data Products have been generated for the 11 challenge applications using 253 Upstream data sets over the 503 Input Data sets identified by experts as potential sources.

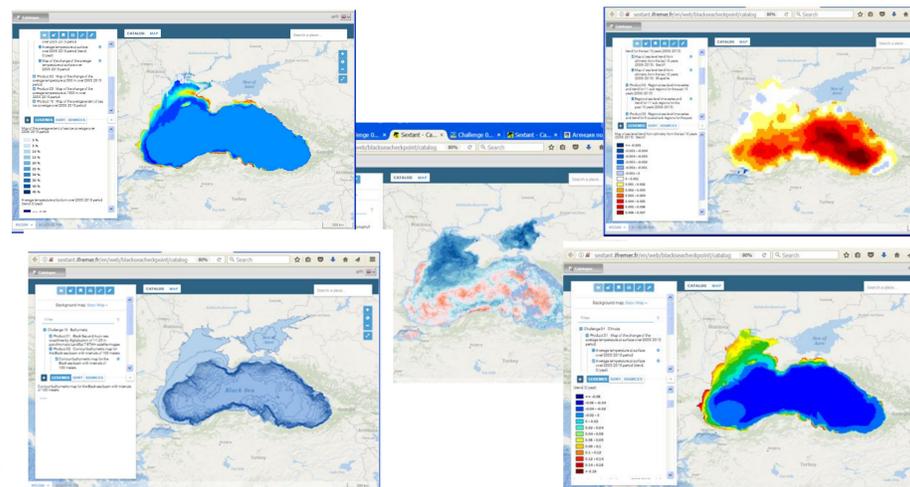
SCORE	NAME	MEANING
1	EXCELLENT	Completely meets the scope of the Targeted Product
2	VERY GOOD	Meets more than 70% of the scope of the Targeted Product
3	GOOD	Meets less than 50% of the scope of the Targeted Product
4	SUFFICIENT	Does not adequately meet the scope but is a starting point
5	INADEQUATE	Does not fulfil the scope and is not usable

TDP	CH1	CH2	CH3	CH4	CH5	CH6	CH7	CH8	CH9	CH10	CH11
1	1	2	3	1	1	1	3	2	1	2	4
2	1	2	2	3	3	3	2	1	2	4	4
3	1	3	2	3	2					1	2
4				5	3					1	4
5				5	4						4
6				5	4						
7				5	5						
8				5	5						
9				5	5				5		
10				1	5						
11				5							
12				5							
13				1							
14				2							
15				2							
16				2							
17				4							
18				3							

Summary of the quality scores associated to the each Targeted Data Products according to the expert's evaluation



Inadequate essential marine variables for the appropriateness indicators.



Disclaimer

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