

REVIEWING AND
EVALUATING THE
MONITORING AND
ASSESSMENT OF
MARITIME SPATIAL
PLANNING

ReMAP

MSP Input data module based on the MSPdF Assessment of the MSP data collection

Abramic, A., Fernández-Palacios, Y., Cordero-Penin, V., Pulido-Santiago L., Haroun, R.

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European Climate, Infrastructure and Environment Executive Agency, European Commission



ULPGC

**Instituto Universitario
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y Ecosistemas Marinos**



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ReMAP in the nutshell: Science for policy

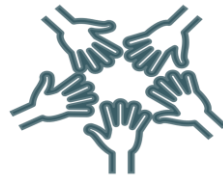
Reviewing and Evaluating the Monitoring and Assessment of Maritime Spatial Planning (ReMAP)

Innovative technical framework for the support of the European MSP process

Technical framework: (10+1) modular *simplified* analytics = complex assessment of the MSP



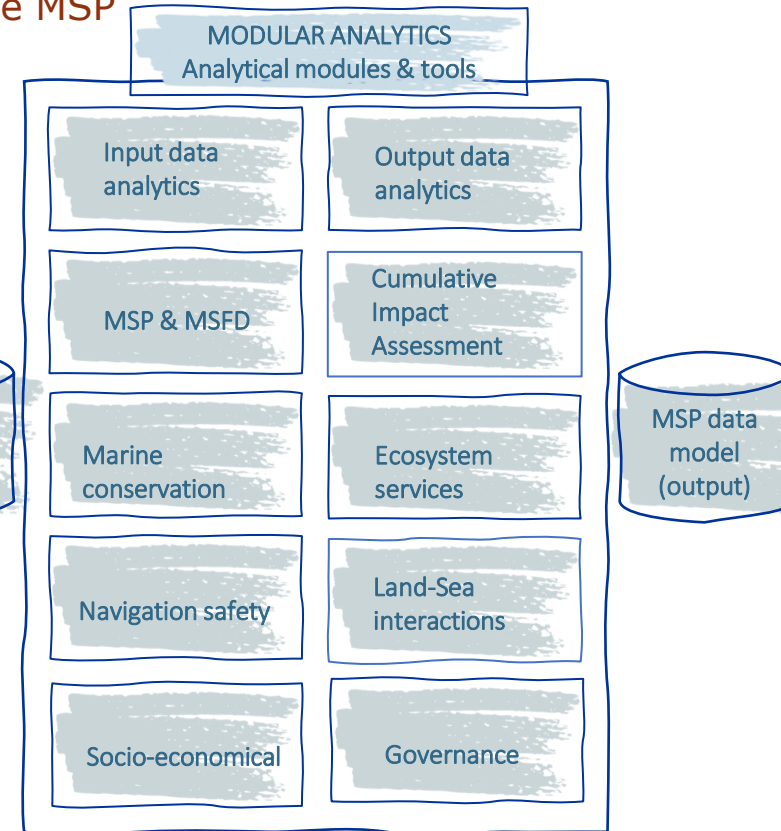
2022-2025



8 partners



All modular analytics will be publicly available



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Input data module Overview

This module will conceptualize **exploratory analysis** on data that is considered and used for the development of the MSP plans. It will provide information on **which data should be considered, what data is missing and should be applied in monitoring & evaluation, and in the next iteration of the MSP. It is not spatial analysis.**

- **Auto-assessment** (questionnaire) will be based on four data assessment topics:
 - Thematic relevance for MSP process;
 - Assessment of the **FIAR** principles;
 - Spatial & Temporal characteristics;
 - Data Quality and Accuracy based on **Spatial Data Quality Framework**.

Thematic relevance for MSP process:

- **Relevance for national MSP process:**
 - Use of dataset is highly relevant as it is significant for the MSP process (Highly relevant): 3
 - Data set could have an impact on the MSP process (Moderately relevant): 2
 - Dataset could be considered, with potential minimum impact on the MSP process (Low relevance): 1
 - Dataset is not necessary to be considered within the MSP process (Not relevant): 0
- **Considered/used within MSP process:**
 - Considered and properly applied in the MSP process: 3
 - Considered and used, but not properly applied in the MSP process: 2
 - Considered, but not used: 1
 - Not considered in the MSP process: 0

Assessed FIAR data principles:

- adapted for the MSP and INPUT data module-

- **Data is Findable:**

- Data is described with metadata, that are registered, indexed and findable through international catalogues (e.g. INSPIRE; EU Open data portal, EMODnet...): 3
- Data is described with metadata, registered, indexed and findable through national or local catalogues: 2
- Data is described with metadata but not registered or indexed in searchable resource catalogues: 1
- Metadata do not exist and information is not discoverable (findable): 0

- **Data is Accessible:**

- Data is publicly accessible through open protocol: 3
- Data is accessible on demand, not through open protocol: 2
- Data is existing, locked and not available: 1
- Data not available: 0

- **Data is Interoperable:**

- Followed and harmonized data by international standards (e.g. INSPIRE, S-56, OGC...): 3
- Data set not harmonized, but applied international standardized semantics (e.g. EUNIS, EU-NOMEN, WORMS, INSPIRE code lists, IUCN protected areas categories, CORINE classes...): 2
- National standards applied: 1
- Not harmonized: 0

- **Data is Reusable**

- Reusability is assessed within the Relevance, assessing the Findability, Accessibility and Interoperability, and finally assessing Spatial & Temporal characteristics

SPATIAL & TEMPORAL CHARACTERISTICS:

- **Spatial coverage (extension) of the data set:**
 - Complete spatial coverage of area relevant for MSP (e.g. coastal waters; or EEZ):3
 - Partial coverage, not entirely adequate but relevant for MSP: 2
 - Sporadic, not adequate for MSP: 1
 - Not (available) spatial data component: 0
- **Spatial resolution of the data (level of details):**
 - Spatial resolution, adequate for MSP: 3
 - Medium level, not entirely adequate but relevant for MSP process : 2
 - Coarse, insufficient level for proper use in MSP process, but possible to apply: 1
 - Inadequate spatial resolution for area of planning and MSP and difficult to apply for MSP: 0
- **Temporal coverage:**
 - Time series are covering period before and after adoption of the MSP:3
 - Data set are covering recent period before adoption of the MSP: 2
 - Data set are covering time period after adoption of the MSP:1
 - Data set present out-dated information; data set do not presented reality for the period required for the MSP: 0
- **Temporal resolution:**
 - Time series obtained by frequent monitoring, with adequate frequency for MSP process: 3
 - Partial, not entirely adequate but relevant for MSP process: 2
 - Sporadic time series, not adequate for MSP: 1
 - Time series not available: 0

DATA QUALITY AND ACCURACY (based on SDQF):

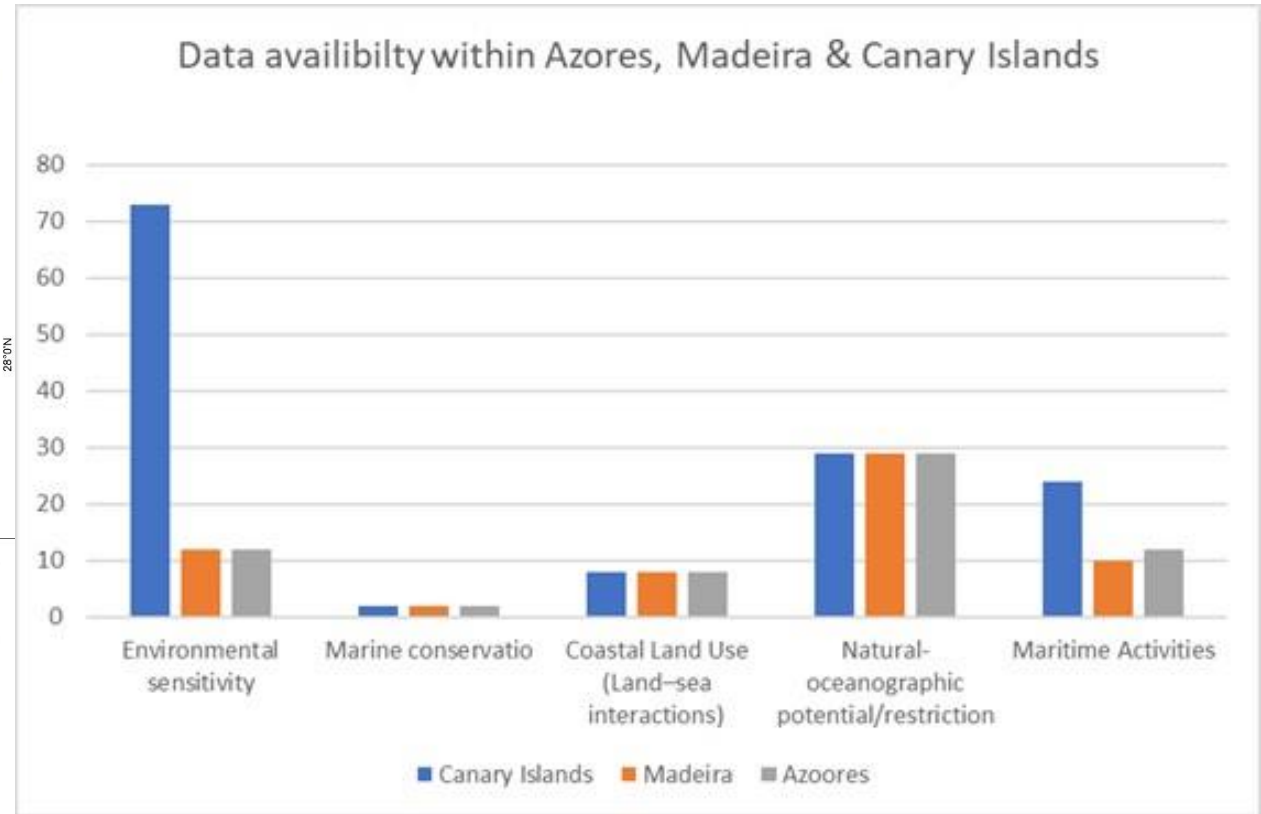
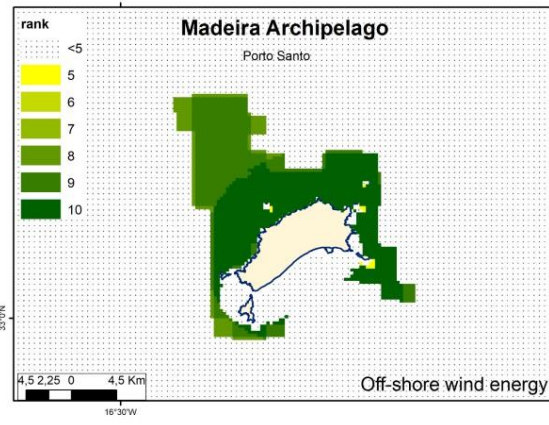
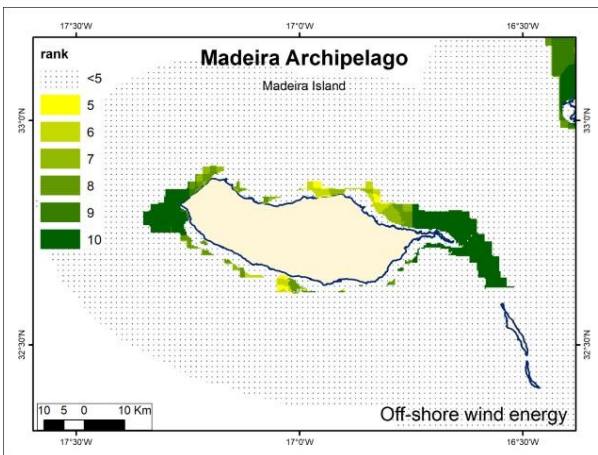
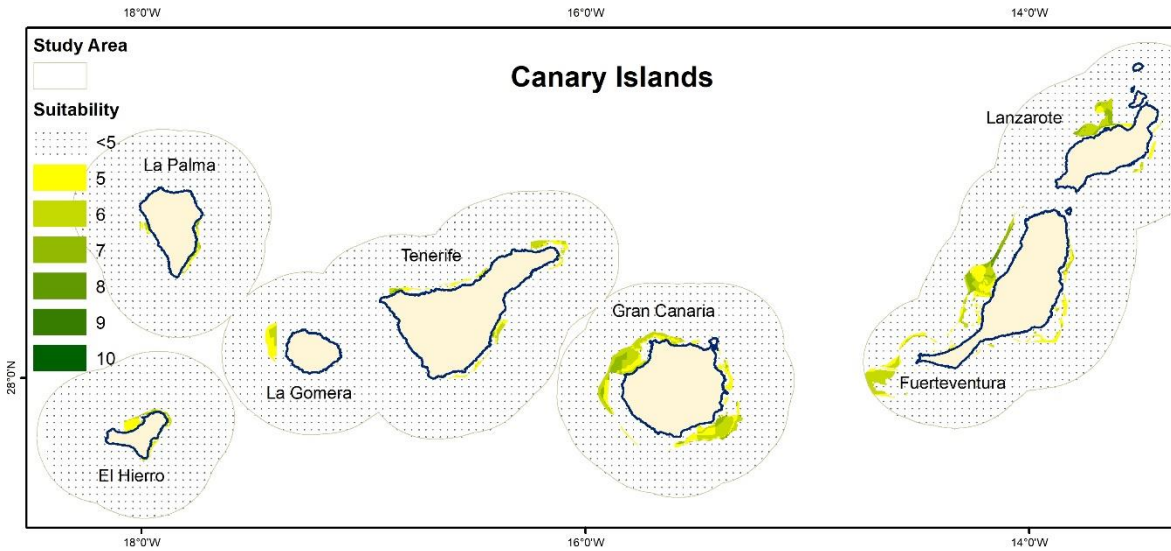
Spatial Data Quality Framework, that assess completeness, accuracy, consistency, timeliness, and lineage - adapted for the INPUT data module:

- **Completeness and timeliness assessed with spatial & temporal characteristics.**
- **Data accuracy and possible margin of error:**
 - High accuracy data, obtained by monitoring, observations or survey: 3
 - Medium accuracy data, obtained by modelling: 2
 - Low accuracy data (e.g. obtained by proxy): 1
 - Accuracy information not available and difficult to assess: 0
- **Data consistency with MSP input data:**
 - High consistency – data has a logical uniformity with other spatial data used in the MSP process: 3
 - Medium consistency – data presents minor discrepancies with some spatial data used in the MSP process: 2
 - Low consistency - data presents significant contradictions with spatial data used in the MSP process : 1
 - Inconsistent data with spatial data used in the MSP process , or consistency can not be assessed: 0

Input data module analytics output

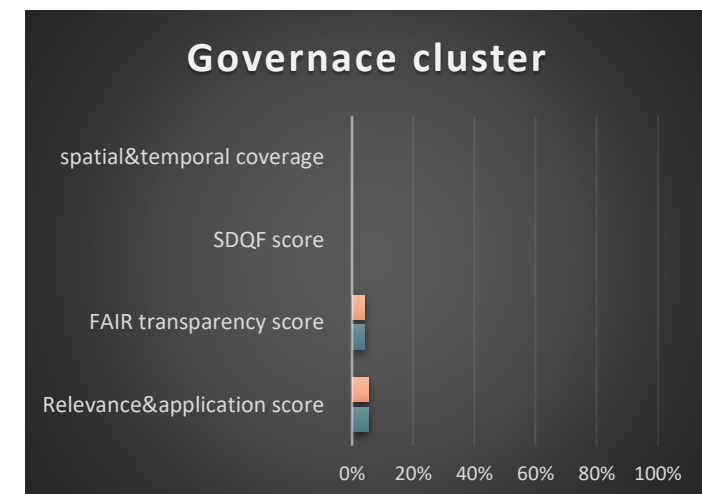
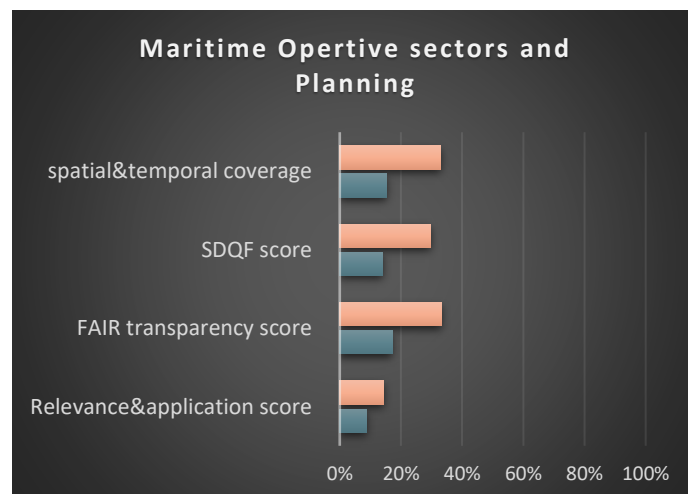
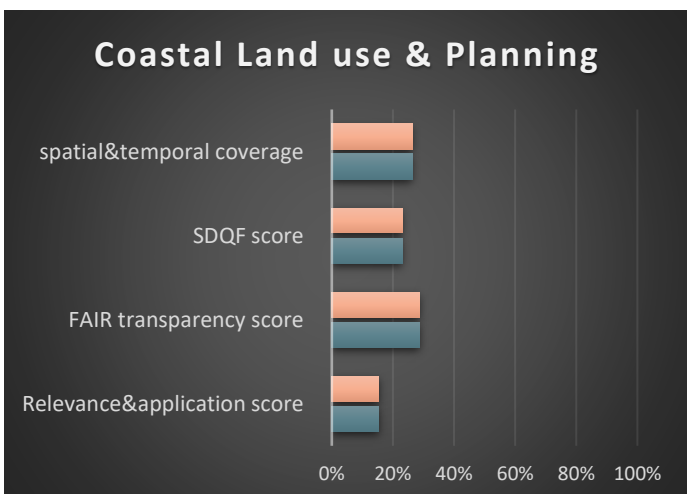
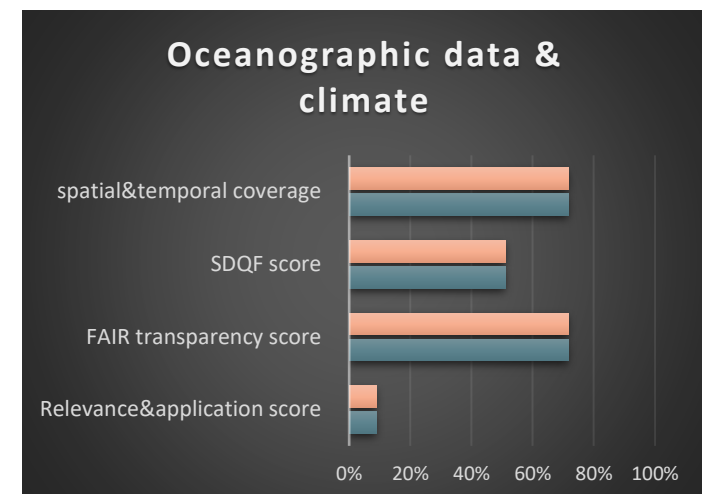
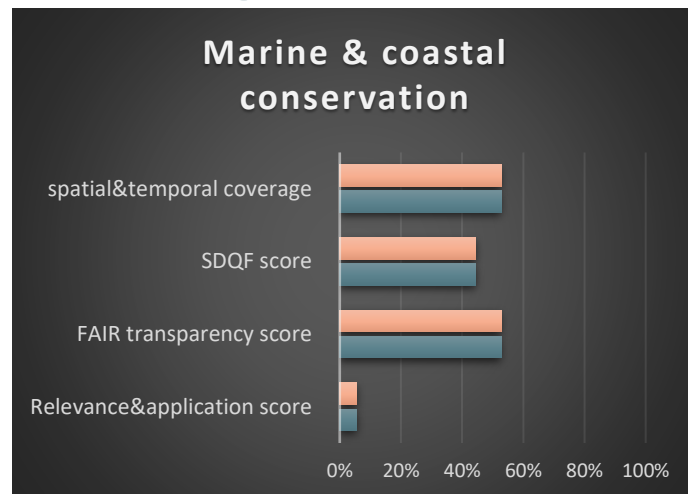
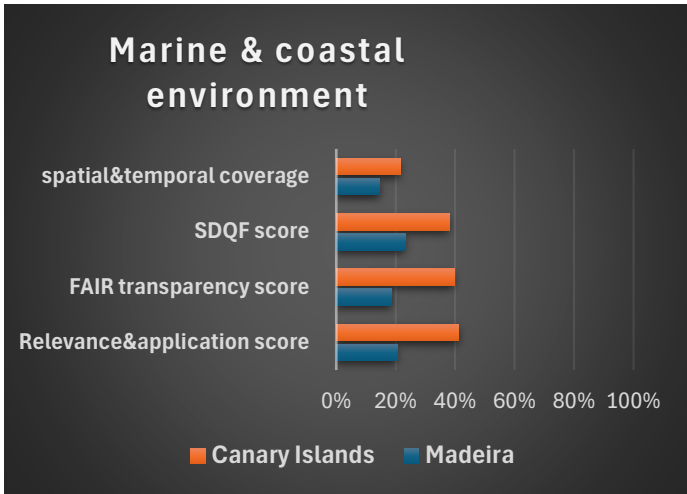
- Results are **not spatial data product** (as rest of the ReMAP modules);
- **Report on data collection used for the MSP process**; and how this collection could be reused for the **Monitoring & Evaluation phase**
- Including information for entire data collection and for the each MSPdF cluster:
 - **Relevance & Application score**;
 - **FAIR Transparency score**;
 - **SDQF score**;
 - and **Spatial & Temporal coverage score**
- **Set of indexes, charts that provide assessment on MSP data collection**;
- **List of the relevant and used data sets**, that are **FIAR, SDQF**
- List of **data set for update**:
 - **Not used but relevant**
 - **Not transparent FIAR**
 - **Not SDQF** (low accuracy, consistency, spatial& temporal coverage)

Assessment of the results of the suitability analysis for the Offshore wind energy



Co-funded by
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Assessment of input data used for the suitability analysis for the Canary Islands and Madeira archipelago



Project Coordinators

Andrej Abramic
andrej.abramic@ulpgc.es

Communication and Press Office

remap@cetmar.org

The logo for REMAP features the word 'REMAP' in a bold, sans-serif font. The letter 'R' is dark blue, 'E' is orange with a white outline, 'M' is dark blue, 'A' is dark blue, and 'P' is dark blue. The letters are set against a background of stylized, layered waves in shades of blue and orange.

*Thanks | Gracias | Grazie | Merci
| Obrigado | Hvala | Kiitos | Ačiū*



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