



GROWTH AND INNOVATION IN OCEAN ECONOMY GAPS AND PRIORITIES IN SEA BASIN OBSERVATION AND DATA

THE MEDITERRANEAN SEA

D12.2.6 Twelve-monthly Progress Report (04/06/2016-03/06/2017)

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Workpackage	12	Project Management	
Author(s):	Simoncelli Simona	INGV	
	Nadia Pindari	INGV	
	Giuseppe Manzella	INGV	
	Claudia Cesarini	CLU	

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Document Log

Date	Author	Changes	Version	Status
01/06/2017	S.Simoncelli	First draft preparation with the inclusion of contributions from all challenges.	V1	completed
09/08/2017	N.Pinardi	Corrections to the initial version to be sent to partners for revisions	V2	completed

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Executive Summary

The Project was extended of six months so that only one progress report was given for the period June 2016-June 2017. During the last twelve months of the Project the main efforts were dedicated to:

- 1) the upgrade of the Sextant metadatabase catalog to include DPS (Data Product Specification) and TDP (Targeted Data Product) descriptions;
- 2) the collection of information for appropriateness quality elements, enabling the computation of indicators;
- 3) the first draft of the **2nd Data Adequacy Report**;
- 4) the organization of the **Expert Panel Meeting**;
- 5) the participation to the **EMODnet Stakeholder Conference**;
- 6) the revision of the **second Data Adequacy Report** according to the experts' suggestions summarized in the **Second Expert Panel report**;
- 7) the final version of the **2nd Data Adequacy Report**;
- 8) the latest newsletter summarizing the **2nd Data Adequacy Report** results;
- 9) the Final Summary of Efforts report;
- 10) the final report

The methodology for the fitness for use evaluation is based upon the definition of the expected Data Product Specification (DPS) and the actual Targeted Product Description (TPD). By comparing the expected and the realized products specifications it has been possible to extract the 2nd DAR fitness for use indicators.

All Challenges contributed very actively to populate the SEXTANT metadatabase, participated to the Expert panel meeting and the drafting of the 2nd DAR.

In conclusion, the project has shown to be capable to follow the major milestones and deliverables as expected from the tender.

1. WP1: Literature Review (IFREMER)

This Workpackage was completed at month 10 (September 23, 2014) of the first year and the past reports have documented the development.

2. WP2 – WP8

During the reporting period, all the 7 Challenges have been working on the following activities:

- upgrade of the Sextant metadatabase catalogue to populate DPS (Data Product Specification), TDP (Targeted Data Product) and UD (Upstream Data) information;
- Reporting on the methodology adopted to generate the Targeted Products and expert evaluation on the data adequacy (D*.3.5 and Annex 5 of the 2nd DAR);
- Contribution to the drafting of the 2nd DAR;
- Participation to the Expert Panel meeting on the 13th of February 2017 in Brussels;
- Participation to the first EMODnet Checkpoints Stakeholder Conference on the 14th and 15th of February 2017, at the Royal Flemish Academy of Belgium for Science and the Arts in Brussels
- Contribution to the reviewing process and final version of the 2nd DAR.
- Contribution to the **Final Summary of Efforts Report (D11.5)**.

In January 2016, the coordinator distributed a template for D*.3.4 reports containing the following outline:

1. General scope of the Targeted Products
2. Targeted Products catalogue
3. Description of Characteristics and Data sources used by Targeted products
4. Description of methodology to produce the Targeted Products
5. Expert evaluation of Targeted Product quality
6. Expert evaluation of gaps

All challenges provided the reports and their updated version D*.3.5 in June 2016. The reports went through first an internal revision (Sept-Dec 2016) and then an English revision (Jan-Mar 2017) process before their publication online. The coordinator managed all the reviewing and publication process (collection of metadata information for getting the DOI from challenge leaders), while Ifremer managed the DOI assignment to the reports and CLU managed the publication on the web portal.

The TPs are visible from the web portal, from the challenges web pages that include: objective, methodology, data sources, the TP list, the link to the TP (files) or to other GIS visualization, the link to the metadata information for each TP (DPS, TDP, UD and D*.3.5 report)

9. WP9: Web site development (CLS)

The activity during the last twelve months covered these activities:

- targeted products information on the portal;
- maintenance of the suite of tools for the Checkpoint service;
- adequacy and relevance;

The Portal has been totally revised to improve navigation and contents. The review of the navigation consisted in the relocation of menu items, now more easy and usable.

The review of the content highlighted the new project outcomes and clarify the meaning of some basic concept of the Checkpoint vision.

These are the pages Updated/Inserted: About section (Principles), Understanding the Methodology section (The Checkpoint Concept, The Assessment Framework, From Concept to Operations, The Availability Indicators), Checkpoint Service section (What is).

The Challenges pages have been updated introducing the link for the download of the products (where available) and to the product visualization tool (GIS). They will include soon the DOI landing page linking to all quality measures and metadata descriptions. Moreover the challenge report will be soon available with their doi.

The Browser has been maintained, improving graphic visualization of interactive maps and graphs. New project deliverables, reports, and news have been published to be disseminate to portal users.

Three monthly reports of web site statistics have been released and a summary is available in Figure 1.

MedSea Portal
Tutti i dati del sito web

Audience Overview

Apr 1, 2017 - Jun 15, 2017

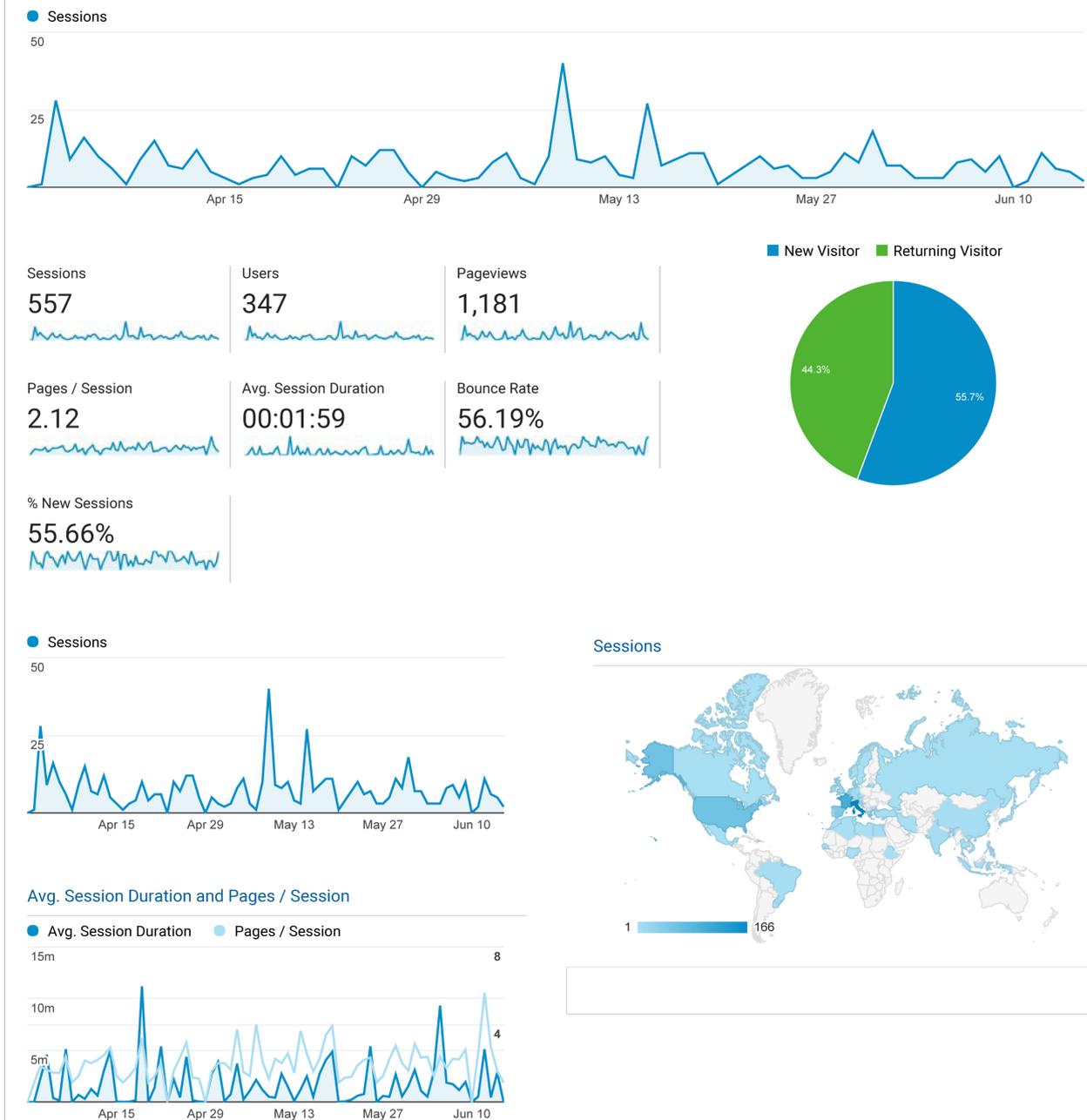


Figure 1 MedSea Chekpoint webpage statistics

10. WP10: Organization of Panels (INGV)

The **2nd MedSea Checkpoint Panel meeting** (http://www.emodnet-mediterranean.eu/wp-content/uploads/2014/01/MEDSEA_CkPt_Report_D10.4_v5.pdf) was held on February 13th, 2017 as side event to the Checkpoints Stakeholder Conference. In total there were 20 participants, 16 from partners, 3 experts and a representative of EMODnet secretariat.

The aim of the Panel meeting was to evaluate the Second Data Adequacy Report (DAR) produced from the MedSea Checkpoint Consortium work in the second 18 months of the Project. The coordinator scheduled presentations in order to describe the project developments and the content of the second DAR. A discussion among the partners and the experts followed. The main issues raised were reported in **the Second Panel Report (D10.4)** together with the answers.

This represented an important review process of the MedSea Checkpoint results and guaranteed their efficient communication in the final version of the 2nd Data Adequacy Report. The experts contribution has been crucial to the final DAR and the project success.

The **e-newsletter n.5 (D10.2.5)** was prepared and delivered on the website. Main topics of the newsletter was a synthesis of the DAR2 outcome.

11. WP11: Data Adequacy Reports (INGV)

The 2nd Mediterranean Data Adequacy Report (DAR) completed the development of concepts and methodologies initiated in the Literature Review and in the first Data Adequacy Report. The aim of the second DAR was to document the reliability and utility of the existing monitoring system at the sea basin level and to identify the main gaps, prioritizing them.

The 2nd DAR is available at http://www.emodnet-mediterranean.eu/reports_news/ and at <http://www.emodnet.eu/checkpoints/reports>.

The DAR documented the final methodology used in the MedSea Checkpoint project based upon ISO and INSPIRE principles for the development of indicators. The indicators are constructed directly on the Checkpoint metadatabase, containing information on the analysed data sets and relative data providers. Two fundamental phases of the assessment were the collection of information on potential input datasets to be used for the products and the realization of the Targeted Products requested by the tender (see **Figure 1**). For each Challenge, Checkpoint Information on What, Why, Where, When and How data have been used to develop the products is given and statistically analysed.



Figure 2 The MedSea Checkpoint procedure adopted by the 7 Challenges for the creation of the Targeted Products.

The assessment methodology is providing:

- **Availability Indicators:** quantitative and qualitative information on How the input datasets are made available to the 7 Challenges;
- **Appropriateness Indicators:** What is the quality of the upstream datasets used for the Challenge Targeted Products.
-

Additionally, the DAR contains the **experts' judgment** on Targeted Products quality and usability according to the identified gaps in the upstream datasets. This represented an important verification of the implemented methodology and a unique critical approach to products evaluation.

Gaps of the monitoring system at the basin scales in view of the 7 prescribed Challenges emerged from the combined analysis of availability and appropriateness indicators and some recommendations have been proposed to fill these gaps.

An important activity was the preparation of the **Final Summary of Efforts Report (D11.5)** to document the real effort spent per partner according to all the activities conducted.

12. WP12: Project management (INGV)

Project management continued uninterrupted during the last twelve months of the project.

An important activity was the preparation of the Final Summary of Efforts Report (D11.5), which required a lot of coordination with the partners in order to document the real effort spent per partner according to all the activities conducted.

The last annual meeting was held in Bologna in September 2016 where the final strategy for the collection of the appropriateness quality elements was decided.

Several **Webex meetings** were held between October 2016 and May 2017 having as topics of discussion:

- 1) The DAR2 preparation, discussion of results and their presentation
- 2) the METADATABASE information revision
- 3) The expert panel meeting organization
- 4) The expert panel feedback and how to answer

It follows the list of webex meetings:

- Monday, January 9, 2017 2:30PM -5:30PM
- Monday, January 16, 2017 2:00 pm
- Friday, January 20, 2017 8:00 am
- Monday, 3 April 2017 2:00 pm
- Friday, May 12, 2017 2:00 pm

Participation to **Meetings**:

- 1) MedSea Checkpoint Panel meeting on February 13th, 2017
Participants: Coordinator, representative of each challenge and experts
- 2) First EMODnet Checkpoints Stakeholder Conference on the 14th and 15th of February 2017, at the Royal Flemish Academy of Belgium for Science and the Arts in Brussels.
Participants: Coordinator, representative of each challenge and experts
- 3) EMODnet scientific coordinator and manager participated to the **7th EMODnet Steering Committee Meeting**

Participation to Conferences

- Poster presentation at general assembly of IODE in Kuala Lumpur
http://www.emodnet-mediterranean.eu/wp-content/uploads/2017/05/IODE_POSTER_v15.pdf
- Poster presentation at the 3rd Blue Planet Symposium
<http://symposium.geoblueplanet.com/>
- Abstract submitted to the [EuroGOOS International Conference: Operational Oceanography serving sustainable marine development](#) 3-5 October 2017, Bergen, Norway