



Copernicus Marine Service Ocean State Report 2019 (issue 4)

Guideline

V 1.2, 31.01.2019

COPERNICUS MARINE ENVIRONMENT MONITORING SERVICE



Implemented by
**MERCATOR
OCEAN**
INTERNATIONAL

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1. Organization OSR4 cycle: contact and exchange frameworks

The exchange for the OSR4 cycle will be organized through:

- Document exchange: a permanent cloud link (one specific for file uploads)
- draft development: google doc tool (one google doc / chapter)
- Pointwise information/status exchange, and clarifications/questions: several remote calls (see roadmap)
- In specific/urgent matters: email exchange

Cloud link, which will remain for entire OSR4 cycle (up to publication):

General: <https://atlas.mercator-ocean.fr/s/m5WP8QHWNdCxjmy>

Upload: <https://atlas.mercator-ocean.fr/s/aMwGt5cHFw3gKwa>

Google doc links (please do not distribute to non-authors because everyone can edit with this link):

CHAPTER 1:

https://docs.google.com/document/d/1GAQ7wCcG1c63QxHjT_ow533_bHuQ5ULpzdGRlihEvs/edit?usp=sharing

CHAPTER 2:

https://docs.google.com/document/d/1jQXtESuGejA202eW_m44ZFQ9WAcfa_SnGGfgIQLEHVE/edit?usp=sharing

CHAPTER 3:

<https://docs.google.com/document/d/1tqNryb37TAyDI7cLXCBPkO6qAiep718uuLvfyYbGhE8/edit?usp=sharing>

OMI Atlas:

<https://docs.google.com/document/d/1q50LssHJ9HCWIJX2e5qJG9HFQ3RU7tx3FRKe6wybzA/edit?usp=sharing>

Email contact point: karina.von.schuckmann@mercator-ocean.fr

2. Specifications:

- Organization of email list for notifications: the list of emails is given on the google doc. Only emails listed there will be included in any notifications of the OSR4 chapter work. All section leads have the responsibility to assure that all co-authors are listed on this notification email list if they want to.
- For OSR4, the length of the section is limited to: max. of 3 figures / section, max. of 2000 words / section.

3. Roadmap OSR 4 cycle:

ZOOM meetings (all Toulouse local time): Meeting details will be send out in the morning of the meeting date to the email list given in the google-docs of each chapter, and will be added to the google doc.

- Meeting 1: 03. December 2018, 3 pm
- Meeting 2: 14. January 2019, 2 pm
- Meeting 3: 11. February 2019, 2 pm
- Meeting 4: 18. March 2019, 2 pm
- Meeting 5: 15. April 2019, 2 pm
- Meeting 6: 13. May 2019, 2 pm
- Meeting 7: 13. June 2019, 2 pm

Milestones:

- Call of contributions: 03.-20.12. 2018
- OSR4 draft development: 14.01.-15.04.2019
- Internal proof read: 15.04.-13.05.2019
- Final preparation phase: 13.05.-15.06.2019
- Submission to JOO (Chapter 1-3): 15. June 2019
- Submission to JOO (Introduction & OMI Atlas): 14. October 2019

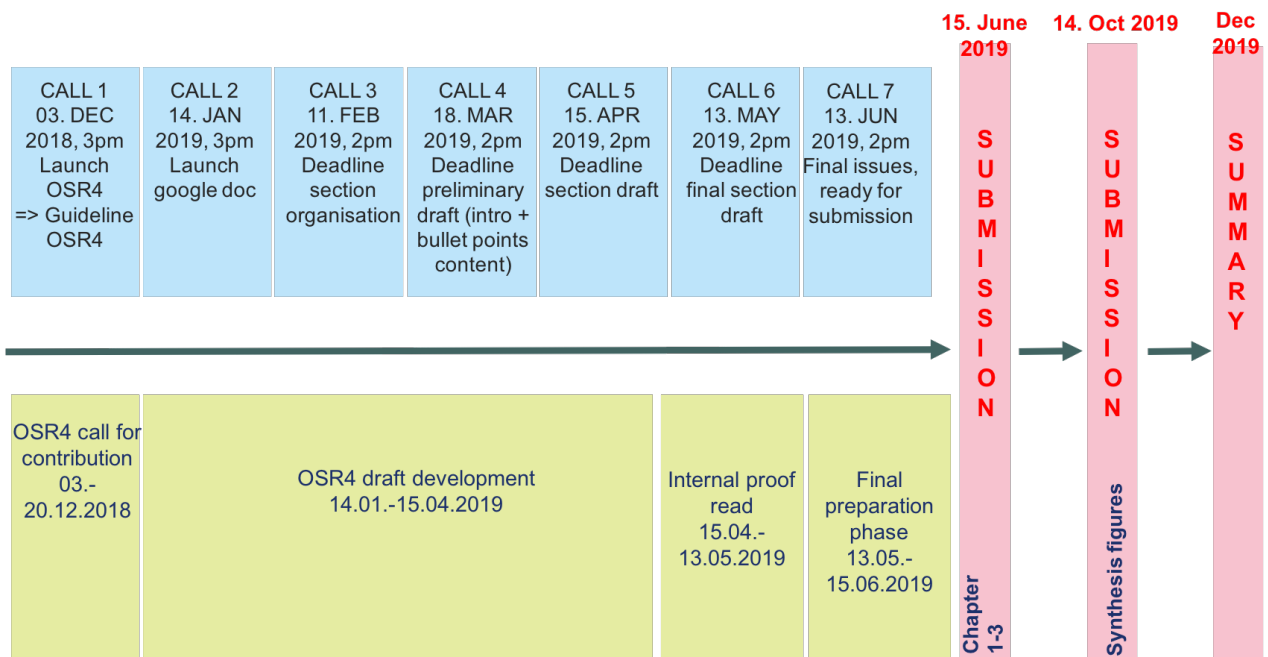


Figure 1: Roadmap for the CMEMS OSR#4 development, status 30. Nov. 2018. Submission of up-dated OMI figures needed for the development of the synthesis figures (i.e. 2018 anomaly maps (global & Europe), trends (up to 2018) overview figure) should be submitted no later than the 15th of September 2019. A google doc will be established for this purpose (around May 2019).

4. Chapter specifications

General:

- Core-period to be covered 1993-2018 (depending on product availability and product limitations (in this case, exchange with MOI), the time series can be started earlier, or later; but the inclusion of data during the year 2018 is obligatory). The core-climatology period is 1993-2014 (different starting points possible depending on product availability).
- Propositions for the “call of contributions” will be reviewed by MOI under the criteria given below for each chapter. The outcome of the call of contribution will be communicated before 15th January 2019.
- Organization of call of contribution: submission of section propositions should be done by chapter. Only section propositions following the corresponding templates will be accepted by MOI, and they can be found in the appendix of this guideline, and in the corresponding google doc. Please copy/paste and fill in.
- The complete template should be send by email to karina.von.schuckmann@mercator-ocean.fr no later than by the 20th of December 2018.

- Information for the OMI Atlas is mandatory for each TAC/MFC, please use corresponding template in appendix.

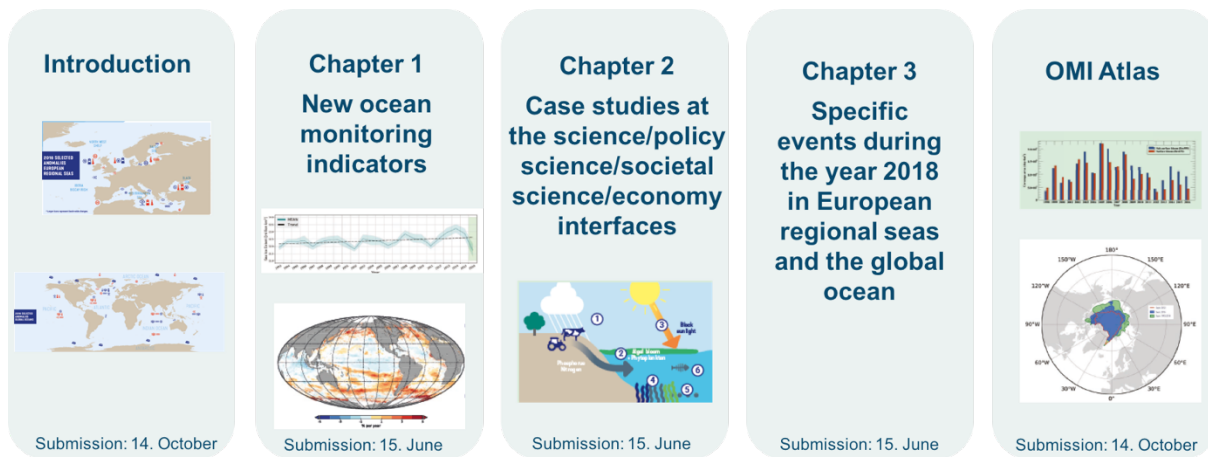


Figure 2: Overview on the structuration and strategy for the CMEMS Ocean State Report #4.

Introduction:

This chapter will build on outcomes of chapter 1-3 and on the OMI Atlas, and consequently submitted at a later stage (14. October 2019). It will deliver an introduction in the CMEMS OSR activity, as well as give an overview on anomalies during the year 2018 (global and European map), and trends (up to 2018 mandatory). This chapter will be developed by MOI.

Chapter 1: New monitoring indicators

This chapter will contain sections which introduce new Ocean Monitoring Indicator (OMIs) aiming to develop scientific validation framework before implementation into the CMEMS OMI framework/catalogue. Section under this chapter should fulfill the following criteria:

- Sections should tackle a scientific topic which had been not published in previous OSR issues.
- The use of CMEMS data is mandatory, but can be complemented by other (but clearly identified) data sources.
- Analyses should include information close to real time, i.e. data for the year 2018 need to be included (update for revision process possible, but should be avoided if possible).
- The proposed scientific topic in this section should include a proposition of a OMI
- A clear reasoning for the use and benefit of the OMI should be included
- Potential stakeholders for the proposed new OMI should be identified and discussed

Chapter 2: Case studies at the science/policy; science/societal; science/economic interface

This chapter will contain sections which are aiming to establish collaborations between science and different stakeholder for policy, societal and economic sectors. The link between these different sectors and the CMEMS reporting activity can be established either through a link with an existing OMI, or can be linked to a new scientific topic. A proposition/development of an OMI would be ideal, but is not mandatory (a section in the proceeding OSR cycle could be proposed instead under chapter 2 – new ocean monitoring indicators). Section under this chapter should fulfill the following criteria:

- Sections should link a scientific topic – new or existing OMI – with one (or more) of the following stakeholder sectors: policy, societal and economy/private sector.
- The use of CMEMS data is mandatory, but can be complemented by other (but clearly identified) data sources.
- Analyses should include information close to real time, i.e. data for the year 2018 need to be included (update for revision process possible, but should be avoided if possible).
- The proposed scientific topic in this section could include a proposition of a OMI, but is not mandatory
- A clear reasoning for the use and benefit of the topic should be included
- Stakeholders for the proposed new OMI should be clearly identified and discussed

Chapter 3: Specific events during the year 2018 in European regional seas and the global ocean

This chapter will contain sections which will tackle a specific change in the marine environment during the year 2018. Section under this chapter should fulfill the following criteria:

- Sections should be tackled in a way that they can be clearly distinguished from comparable topics published in previous OSR issues.
- The use of CMEMS data is mandatory, but can be complemented by other (but clearly identified) data sources.
- The use of data during 2018 is mandatory
- A clear reasoning for the benefit/specific “awareness need” of the scientific topic/event highlighted for the year 2018 should be included
- Potential stakeholders for the proposed topic could be identified and discussed

OMI Atlas:

This chapter is aiming to establish the link between the CMEMS OSR activity and the OMI catalogue online. More precisely, this section will include:

- A table with information on the OMI, the OSR reference, and the link to the online publication. A list of additional experts & affiliation (i.e. different from the author list of the corresponding OSR reference) will be included in this table as well, but not in the author list of the report.

- If the OMI is not yet published online, but included on the table, the up-dated (from previous OSR) figure will be added on an appendix in this chapter

Information, including the organization and roadmap for the OMIs, will be available in the up-dated CMEMS OMI guideline, which is planned to be distributed in December 2018.

APPENDIX: Templates for call of contribution OSR cycle 4

Proposition for chapter 1

Main contact point (name, email):

Title of the proposed section:

List of authors (name, affiliation):

Abstract (max. 500 words):

Data use:

- CMEMS product (long-name, CMEMS product name):
- Non-CMEMS product (description (max. 100 words), scientific reference and or web link to data information; link to data source/download)

Time period to be covered:

Proposed OMI (max. 100 words):

Why and for what is this topic/OMI important? (max. 150 words):

Stakeholders for the proposed OMI (max. 100 words):

Proposition for chapter 2

Main contact point (name, email):

Title of the proposed section:

List of authors (name, affiliation):

Abstract (max. 500 words):

Data use:

- CMEMS product (long-name, CMEMS product name):
- Non-CMEMS product (description (max. 100 words), scientific reference and or web link to data information; link to data source/download)

Time period to be covered:

Proposed OMI (if any, max. 100 words):

Which interface will be addressed (science/policy, science/societal, science/private sector, economy)

Precise sector and contact point (max. 100 words):

Why and for what is this topic/OMI important? (max. 150 words):

Stakeholders for the proposed OMI (max. 100 words):

Proposition for chapter 3

Main contact point (name, email):

Title of the proposed section:

List of authors (name, affiliation):

Abstract (max. 500 words):

Data use:

- CMEMS product (long-name, CMEMS product name):
- Non-CMEMS product (description (max. 100 words), scientific reference and or web link to data information; link to data source/download)

Time period to be covered:

Proposed OMI (max. 100 words):

Why and for what is this topic/OMI important? (max. 150 words):

Stakeholders for the proposed OMI (max. 100 words):

Information for OMI Atlas

Main contact point (name, email):

Title of the OMI:

Which OMI family:

Reference of the previous OSR section for this OMI (full reference, incl. full author list & title):

List of additional authors (name, affiliation, email):

Has this OMI be submitted in September 2018 to CMEMS?:

Will this OMI be submitted in 2019?:

Data use:

- CMEMS product (long-name, CMEMS product name):
- Non-CMEMS product (description (max. 100 words), scientific reference and or web link to data information; link to data source/download)

Time period to be covered:

Is this OMI a multi-product? If yes, identify leading TAC/MFC for this OMI:

Statement in case one OMI of OSR1 and 2 cycle will be not implemented into the OMI framework through 2019 submission: