



# Copernicus Marine Service Ocean State Report 2020 (issue 5)

## Guideline

V 1.4, 28.01.2020

COPERNICUS MARINE ENVIRONMENT MONITORING SERVICE



Implemented by  
**MERCATOR  
OCEAN**  
INTERNATIONAL

## 1. Organization OSR5 cycle: contact and exchange frameworks

### **The exchange for the OSR5 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 OSR5 cycle (up to publication):**

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

Upload: <https://atlas.mercator-ocean.fr/s/tR69zxoTNKaeWFQ>

### **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/1njfkI7y35cCdcsgmHoa65TtX9W3ooNLW6NKekdPzYKQ/edit?usp=sharing>

CHAPTER 2:

[https://docs.google.com/document/d/1z7JpIhVY1uf6C\\_IVNj4MerKMP59aTiSNh-iRmZqNzi8/edit?usp=sharing](https://docs.google.com/document/d/1z7JpIhVY1uf6C_IVNj4MerKMP59aTiSNh-iRmZqNzi8/edit?usp=sharing)

CHAPTER 3:

[https://docs.google.com/document/d/1lxouYBFDTYl6iRyxJUDP1pp\\_0Syiv3THkH7ut4IW4ks/edit?usp=sharing](https://docs.google.com/document/d/1lxouYBFDTYl6iRyxJUDP1pp_0Syiv3THkH7ut4IW4ks/edit?usp=sharing)

**Email contact point:** [karina.von.schuckmann@mercator-ocean.fr](mailto:karina.von.schuckmann@mercator-ocean.fr)

## 2. Specifications:

- Organization of email list for notifications: the list of emails should be established via the google doc. Only emails listed there will be included in any notifications of the OSR5 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 OSR5, the length of the section is limited to: max. of 3 figures / section, max. of 2000 words / section. Excluded from the 2000 words: figure captions, references, table of products, statement of main outcome
- Specifications for the statement of main outcome:
  - The statement of main outcome is not an abstract. Its objective is to deliver the reader (wide audience) a first insight on the main outcomes of the section, and its importance aiming.
  - A very short introduction on the background/importance of the topic (1/2 sentence, or one short sentence)
  - Main outcomes of the section
  - Benefit of this topic / highlight importance/scientific advance through this section
  - Currently, no length specifications have been introduced, but the statement of main outcome should be around 200 words max.
- If needed, acknowledgements can be added at the end of a section
- Figures: The guideline for figures is uploaded on the atlas link under 'guidelines'. The final figure should be included/provided, and not the single subplots. The google doc should include not the high-quality versions because the document will become too slow. High quality .tiff or .eps version of the final figures following the guideline will be needed for the resubmission after the first review process (around Oct-Dec).
- Product table: no use of hyperlinks, please add the full link to the pdfs. Examples of product tables are given in previous OSRs.

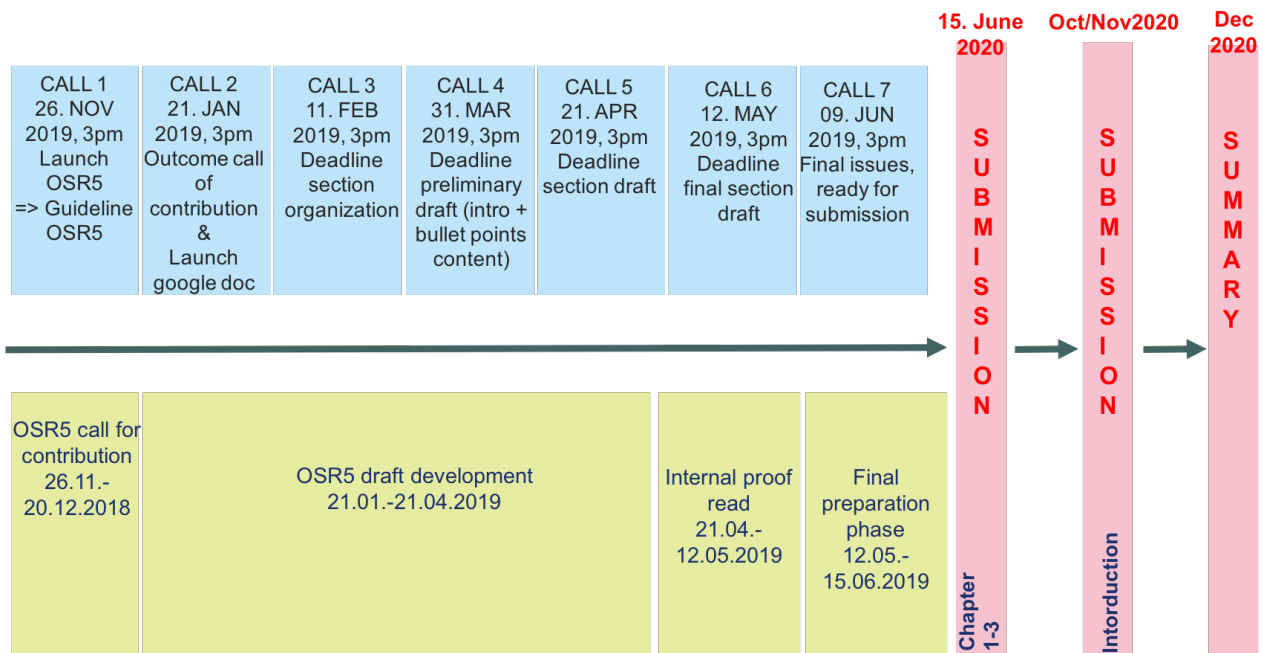
### 3. Roadmap OSR 5 cycle:

**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: 26. November 2019, 3 pm
- Meeting 2: 21. January 2020, 3 pm
- Meeting 3: 11. February 2019, 3 pm
- Meeting 4: 31. March 2019, 3 pm
- Meeting 5: 21. April 2019, 3 pm
- Meeting 6: 12. May 2019, 3 pm
- Meeting 7: 09. June 2019, 3 pm

#### **Milestones:**

- Call of contributions: 26.11.-20.12. 2019
- OSR5 draft development: 21.01.-21.04.2020
- Internal proof read: 21.04.-12.05.2020
- Final preparation phase: 12.05.-09.06.2020
- Submission to JOO (Chapter 1-3): 15. June 2020



**Figure 1:** Roadmap for the CMEMS OSR#5 development, status 08. Nov. 2019.

#### 4. Tasks for each step (OSR5 remote calls)

Meeting 1: 26. November 2019, 3 pm

→ clarifications for ‘call of contributions’

Meeting 2: 21. January 2020, 3 pm

→ outcome of call of contributions

Meeting 3: 11. February 2019, 3 pm

→ Section organization:

- The author team should be fully established, including a complete author information table

Name of expert	Affiliation	Full address	Email
Karina von Schuckmann	Mercator Ocean International, France	10 Rue Hermes 31520 Ramonville St-Agne, France	Karina.von.schuckmann@mercator-ocean.fr

*Example of author information table*

- The structuration of the different section drafts should be established, including a list of bullet points (at least) for the different parts (e.g. for intro, method, results, conclusion)
- A list of figures should be established, including a preliminary version (if available) or a full description of what is planned to be plotted (including product use).
- The table of product use should be established

Ref. No.	Product name & type	Documentation
2.6.1	SEALEVEL_MED_PHY_L4_NRT_OBSERVATIONS_008_050 SEALEVEL_MED_PHY_L4_REP_OBSERVATIONS_008_051	PUM: <a href="http://marine.copernicus.eu/documents/PUM/CME-MS-SL-PUM-008-032-051.pdf">http://marine.copernicus.eu/documents/PUM/CME-MS-SL-PUM-008-032-051.pdf</a>  QUID: <a href="http://marine.copernicus.eu/documents/QUID/CME-MS-SL-QUID-008-032-051.pdf">http://marine.copernicus.eu/documents/QUID/CME-MS-SL-QUID-008-032-051.pdf</a>

2.6. 2	INSITU_MED_NRT_OBSERVATIONS_013_035	PUM: <a href="http://marine.copernicus.eu/documents/PUM/CME_MS-INS-PUM-013.pdf">http://marine.copernicus.eu/documents/PUM/CME_MS-INS-PUM-013.pdf</a>  QUID: <a href="http://marine.copernicus.eu/documents/QUID/CME_MS-INS-QUID-013-030-036.pdf">http://marine.copernicus.eu/documents/QUID/CME_MS-INS-QUID-013-030-036.pdf</a>
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*Example of product table*

Meeting 4: 31. March 2019, 3 pm

→ First section draft

- The introduction should be fully developed
- The method part should be fully developed
- The results part could be fully developed, but should at least contain bullet points
- The conclusion could be fully developed, but should at least contain bullet points
- A first version of all figures should be provided

Meeting 5: 21. April 2019, 3 pm

→ Section draft

- A complete version of the section should be provided, including the statement of main outcome and fully developed figure captions

Meeting 6: 12. May 2019, 3 pm

→ Issues solved: interaction with chair

- Any issues of remaining missing parts should be solved, and all comments from OSR chair should be implemented into the complete draft

Meeting 7: 09. June 2019, 3 pm

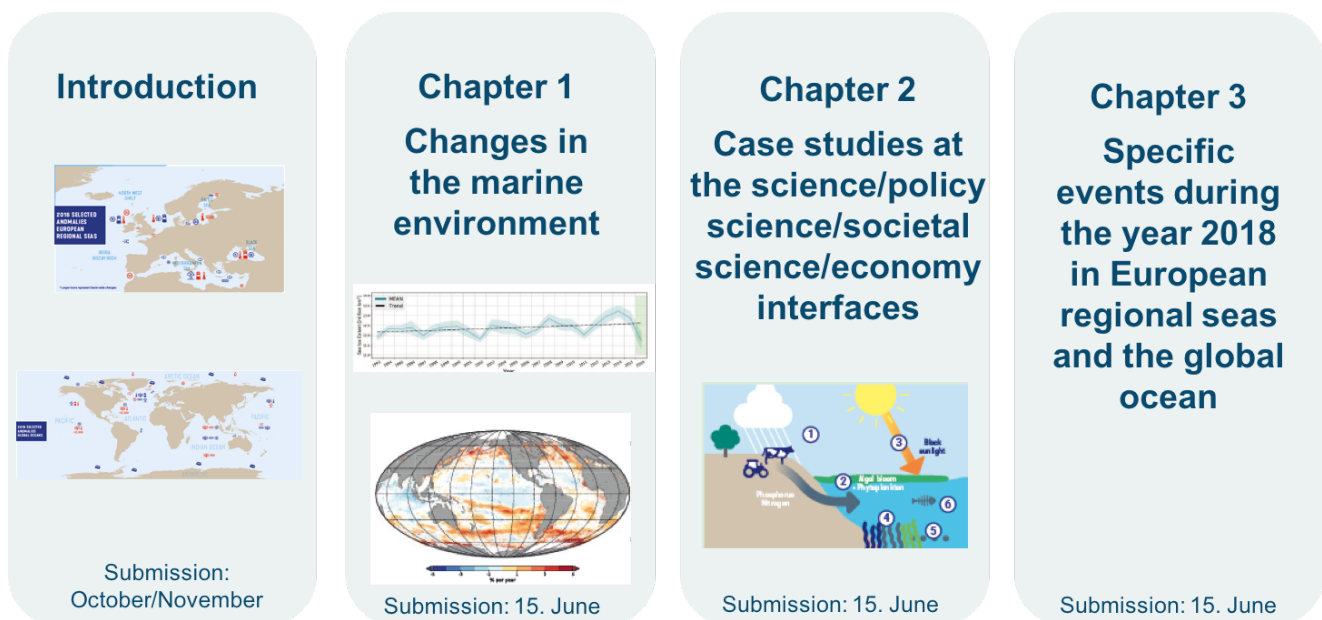
→ complete draft after internal review, ready for submission

- Any issues of remaining missing parts should be solved, and all comments from internal review (MOI) should be implemented into the complete draft
- The draft should be ready for the submission process

## 5. Chapter specifications

### General:

- Core-period to be covered 1993-2019 (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 2019 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 on the 21<sup>th</sup> January 2020.
- 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 completed template should be uploaded on the atlas no later than by the 20<sup>th</sup> of December 2018. The link to upload the document is given at the first page of this document. **Submission via email will be not taken into account.**
- Questions should be addressed to [karina.von.schuckmann@mercator-ocean.fr](mailto:karina.von.schuckmann@mercator-ocean.fr).



**Figure 2:** Overview on the structuration and strategy for the CMEMS Ocean State Report #5.

### Introduction:

This chapter will build on outcomes of chapter 1-3 and on the OMI Atlas, and consequently submitted at a later stage (October/November 2020). It will deliver an introduction in the CMEMS OSR activity, as well as give an overview on anomalies during the year 2019 (global and European map), and trends (up to 2019 mandatory). This chapter will be developed by MOI in interaction/collaboration with all authors.

### **Chapter 1: Changes in the marine environment**

This chapter will contain sections which introduce scientific evaluations on changes in the marine environment, and which can potentially be implemented as new Ocean Monitoring Indicators (OMIs) after successful publication in the OSR. 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 2019 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 this new knowledge should be included
- Potential stakeholders for the new knowledge 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 transdisciplinary collaborations with the major objective to demonstrate the value of scientific information on the CMEMS products. The section could aim either for a collaboration between for example physical science and policy science, societal science or economics, or the study can link a scientific evaluation for a specific application or use, leading to fundamental improvements for society and economy. Sections under this chapter should fulfill the following criteria:

- Sections should link a scientific topic – new or from previous reports – with one (or more) of the following stakeholder sectors: policy, societal and economy/private sector.
- The section should however be based on a scientific evaluation, and be balanced between qualitative and quantitative information to assure that it will pass independent peer-review
- 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 2019 is mandatory (update for revision process possible, but should be avoided if possible).
- A clear reasoning for the use and benefit of the topic should be included, as well as potential stakeholders

### **Chapter 3: Specific events during the year 2019 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 2019. 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 2019 is mandatory
- A clear reasoning for the benefit/specific “awareness need” of the scientific topic/event highlighted for the year 2019 should be included
- Potential stakeholders for the proposed topic could be identified and discussed

## **APPENDIX: Templates for call of contribution OSR cycle 5**

## Template 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:

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

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

## Template 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:

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 important? (max. 150 words):

Stakeholders for the proposed topic (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:

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

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