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<b>Document title</b>	Outcome of EN CLIME 3-2019
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<b>Agenda Item</b>	6 – Outcome of the meeting
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## Outcome of the Meeting

With reference to the decision of EN CLIME 2-2019 (Outcome paragraph 5.1) the 3rd Meeting of the HELCOM/Baltic Earth Expert Network on Climate Change (EN CLIME 3-2019), was held on 19 August 2019 in Stockholm, Sweden, at the premises of the Swedish Environmental Protection Agency (Virkesvägen 2).

The Meeting was attended by experts from both HELCOM and Baltic Earth representing Estonia, Finland, Germany, Poland and Sweden.

The Meeting was chaired by the Co-Chairs of the Expert Network: Ms. Clarisse Kehler Sieberth (Sweden) and Mr. Markus Meier (Germany). Ms. Jannica Haldin, HELCOM Professional Secretary acted as secretary of the Meeting.

The Meeting was welcomed by Marianne Tegman, head of the EU Unit with the Policy Development Department at the Swedish Environmental Agency.

### Agenda Item 1                      Adoption of the Agenda

The Meeting took note of the presentation by the Co-Chair regarding the background of the work of the group and the main focal areas of the meeting.

The Meeting adopted the agenda as contained in document 1-1.

### Agenda Item 2                      Information by the Chairs, Secretariat and Contracting Parties

The Meeting welcomed Jo Foden, representing the OSPAR Secretariat to the meeting.

The Meeting took note the Co-Chair Clarisse Sieberth has re-located to Phnom Penh, Cambodia but will continue to contribute actively to the work of the Expert Network on Climate Change.

### Agenda Item 3                      Key messages for the primary parameters

The Meeting took note of the overview of guidance for drafting the key messages, resulting from the ToRs of the group and discussions at previous EN CLIME meetings.

The Meeting agreed that the fact sheet will include an introduction section which will highlight the complexity and complementary effects of climate change.

The Meeting agreed that revisions proposed by the Meeting should be implemented and submitted to the HELCOM Secretariat (jannica.haldin@helcom.fi) by the **30 September 2019**, after which they will be collated and submitted for internal review by the whole network, until the 6 December 2019.

The Meeting reiterated that a lack of information for certain parameters, in combination with the listing of gaps, is, in itself, important information which needs to be highlighted.

Overall the Meeting agreed on the following guidance:

- the key message text needs to be simplified and aimed at a broad, non-scientific audience.
- text for each parameter should not exceed 1 A4 page (when not in table format).
- at this stage all statements need to be supported with appropriate references.
- basic definitions need to be included in the description section (e.g. what is a heatwave?, what is drought? etc).
- to the extent possible trends and ranges should be included for each parameter.
- confidence is to be presented using the guidance prepared by IPCC (available in the Workspace for reference), with the key messages each given an overall confidence assessment based on the confidence matrix outlined by the IPCC. In addition, confidence can also be presented for each section independently (e.g. per statement) stemming from background literature.

#### Agenda Item 3.1 Finalizing key messages: Draft Fact Sheets, Team Energy Cycle

The Meeting took note of the draft key messages prepared by the Energy Cycle Team as presented by the Team Lead. The Meeting reviewed the text under each parameter, discussed and provided input as contained in document 3-1 rev.1.

#### Agenda Item 3.2 Finalizing key messages: Draft Fact Sheets, Team Water Cycle

The Meeting took note of the draft key messages prepared by the Water Cycle Team as presented by the Team Lead. The Meeting reviewed the text under each parameter, discussed and provided input as contained in document 3-2 rev.1.

### Agenda Item 3.3 Finalizing key messages: Draft Fact Sheets, Team Carbon and Nutrient Cycles

The Meeting took note of the draft key messages prepared by the Carbon and Nutrient Cycle Team as presented by the Team Lead. The Meeting reviewed the text under each parameter, discussed and provided input as contained in document 3-3 rev.1.

### Agenda Item 3.4 Finalizing key messages: Draft Fact Sheets, Team Sea Level and

The Meeting took note of the draft key messages prepared by the Sea Level and Team as presented by the Team Lead. The Meeting reviewed the text under each parameter, discussed and provided input as contained in document 3-4 rev.1

### Agenda Item 4 Work on secondary parameters

#### Agenda Item 4.1 Expertise on secondary parameters

The Meeting took note of the information by the HELCOM Secretariat that, where appropriate, existing HELCOM Expert Groups will be invited to provide input to the work on secondary parameters under EN CLIME.

The Meeting invited the experts of EN CLIME to contact the HELCOM Secretariat ([jannica.haldin@helcom.fi](mailto:jannica.haldin@helcom.fi)) with recommendation for experts to take part in the work on the secondary parameters.

#### Agenda Item 4.2 Planning work on secondary parameters

The Meeting agreed that primary and secondary parameters will be presented as separate sections in the final Fact Sheet, as they largely represent two different types of key messages (data-based and expert-based).

The Meeting agreed that key messages for secondary parameters will be presented as “If”-statements.

### Agenda Item 5 Any other business

Future peer review.

The Meeting welcomed the information that that the intention is for all key messages to go out for peer review in February 2020, utilizing the Baltic Earth peer review network.

Future actions for the Baltic Sea Action Plan.

The Meeting took note of the information by the HELCOM secretariat on the invitation by HELCOM-40 2019 for HELCOM expert groups, including EN CLIME, to prepare synopses and submit suggestions for proposal of new actions and measures to be included in the update of the Baltic Sea Action Plan.

The Meeting noted the available guidance and the template for submitting the synopses to the HELCOM Secretariat. The Meeting took note of the invitation to provide a title of the synopses to the Secretariat ([susanna.kaasinen@helcom.fi](mailto:susanna.kaasinen@helcom.fi)). The information will be made available to the HELCOM subsidiary bodies to inform on planned submissions, final synopses should be submitted by end of 2019 at latest, but earlier submission is encouraged.

Possible input to the HELCOM Science Agenda.

The Meeting took note of the information that HELCOM 40-2019 agreed to develop a HELCOM science agenda, concomitantly with the update of the BSAP.

The Meeting took note of that the agenda intends to outline existing and foreseen HELCOM regional science needs and that it will serve the development of activities in HELCOM as well as to inform external funding mechanisms on the research needs of HELCOM. The development of the agenda will also be an opportunity to provide regional input to the [BANOS CSA process](#) and can also contribute to support processes under the [UNESCO Decade of Ocean Science](#).

The Meeting took note of the information that to initiate the development of an HELCOM science agenda, a survey, which aims to capture shorter-term knowledge needs as well as longer-term research needs, will be circulated to all HELCOM Working Groups and associated Expert groups.

The Meeting took note of that expert groups are invited to submit proposals by 20 September 2019 to the HELCOM Secretariat ([ullali.zweifel@helcom.fi](mailto:ullali.zweifel@helcom.fi)).

The Meeting agreed to use the Baltic Earth Science agenda to provide input to the survey.

Other meetings and opportunities for cooperation

The Meeting agreed to share any information on external meetings where the work of the group could be presented, as well as share information on any opportunities for cooperation or possibility to support the work with external funding.

Next meeting of EN CLIME

The Meeting agreed to hold the next physical meeting in late January/early February 2020, preferably back to back with the Baltic Earth BEAR workshop and Science Steering Group Meeting, and invited the Secretariat and Co-Chairs to explore the possibility to hold the meeting in Norrköping, at the premise of the Swedish Meteorological and Hydrological Institute.

Agenda Item 6                      Outcome of the Meeting

The Meeting adopted the outcome of EN CLIME 3-2019 and noted that the outcome will be available at the [EN CLIME 3-2019 Meeting Site](#), together with the documents and presentations considered by the Meeting.

ANNEX 1 List of participants of the Third meeting of Joint HELCOM/ Baltic Earth Expert Network on Climate Change (EN CLIME 3-2019)

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