



## Baltic Marine Environment Protection Commission

Working Group on the State of the Environment and Nature  
Conservation

STATE & CONSERVATION  
5-2016

Tallinn, Estonia, 7-11 November, 2016

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<b>Document title</b>	HELCOM Monitoring Manual change templates
<b>Code</b>	2MA-1
<b>Category</b>	CMNT
<b>Agenda Item</b>	2MA– Revision of HELCOM Monitoring
<b>Submission date</b>	22.8.2016
<b>Submitted by</b>	Secretariat

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### Background

The HELCOM Monitoring Manual is to be updated annually. STATE & CONSERVATION 4-2016 agreed that proposed updates to the Manual by Contracting Parties can be considered as needed at each meeting of the Working Group (Paragraph 2MA.4 in the outcome of the meeting). The Contracting Parties are invited to provide suggestions for revision to the HELCOM Secretariat.

This document contains templates for the Monitoring Manual, prepared by the Secretariat.

### Action requested

The Contracting Parties are invited to inform the Secretariat on tentative revision of national information and to propose changes to the introduction and general segments of the Manual **by 14 October 2016**, using the attached templates prepared by the Secretariat.

## Monitoring Manual change templates

### Instructions:

For revisions to the [general introduction](#), please use word document ([link to 2MA-Att.1](#)) and make changes using tracked changes.

For revisions to programme topic pages and subprogramme “fact sheets”, please use the table (Table 2) below to highlight the parts that require revision and provide suggested revision. Enter information into four columns (See Table 1 for examples):

1. **Nr:** Running number of proposed revision
2. **Location (URL):** Web address of the monitoring manual page that is proposed to be revised
3. **Text to be revised:** A copy of the part of the page that is proposed to be revised. This can be done by copy & pasting the text from the web page or taking a screenshot using the [Windows snipping tool](#) or other screen capture tool. Highlight the part to be revised as appropriate (see example).
4. **Revision suggestion:** Suggestion for revision. Highlight revisions as appropriate.

Table 1. Monitoring Manual change template examples (examples are arbitrary).

Nr	Location (URL)	Text to be revised	Review suggestion																																																												
1	http://www.helcom.fi/acti on-areas/monitoring-and- assessment/monitoring- manual/zooplankton/	<p><b>GENERAL INFORMATION</b></p> <p>The monitoring of zooplankton covers abundance, biomass and species composition and concerns the water column habitats.</p>	<p><b>GENERAL INFORMATION</b></p> <p>The monitoring of zooplankton covers abundance, biomass and species composition and concerns <b>MSFD monitoring programme</b> water column habitats.</p>																																																												
2	http://www.helcom.fi/acti on-areas/monitoring-and- assessment/monitoring- manual/phytoplankton/pig ments	<p><b>MONITORING CONCEPTS TABLE</b></p> <p>MONITORING CONCEPTS TABLE</p> <table border="1" data-bbox="568 715 1720 1315"> <thead> <tr> <th>Coordination</th> <th>Elements Q9a (Q5c)</th> <th>Parameter Q9a (Q5c)</th> <th>Method Q9c, Q9d</th> <th>QA/QC Q9e, 9f</th> <th>Frequency Q9h, 9i</th> <th>Spatial resolution Q9g, 9i</th> <th>Link to HELCOM core indicators</th> <th>Link to MSFD GES characteristics Q5b</th> <th>Spatial scope Q4i</th> <th>Monitoring started Q4h</th> <th>CPs monitoring</th> </tr> </thead> <tbody> <tr> <td>Regional (COMBINE)</td> <td>Phytoplankton</td> <td>Concentration of chlorophyll- a</td> <td>Fixed stations, in situ (HELCOM COMBINE manual, Part C, Annex C4)</td> <td>National, ICESData TypeGuide and HELCOM COMBINE manual</td> <td><a href="#">See map for details</a></td> <td><a href="#">See map for details</a></td> <td>Chlorophyll- a (summer)</td> <td>5.2.1 Chlorophyll concentration in the water column</td> <td>EEZ</td> <td>1979</td> <td>All HELCOM Contracting Parties</td> </tr> <tr> <td>National</td> <td>Phytoplankton</td> <td>Concentration of chlorophyll- a</td> <td>Ship-of- opportunity, flow-through</td> <td>National</td> <td>Continually</td> <td>20% (transect)</td> <td>Chlorophyll- a (summer)</td> <td>5.2.1 Chlorophyll concentration in the water column</td> <td>EEZ</td> <td>1999</td> <td>EE, FI, SE</td> </tr> <tr> <td>National</td> <td>Phytoplankton</td> <td>Concentration of chlorophyll- a</td> <td>Earth Observation, (MODIS, VIIRS)</td> <td>Other</td> <td>Continually</td> <td>100% (1km or 300m resolution grid)</td> <td>Chlorophyll- a (summer)</td> <td>5.2.1 Chlorophyll concentration in the water column</td> <td>EEZ</td> <td>2003</td> <td>FI</td> </tr> <tr> <td>National</td> <td>Phytoplankton</td> <td>Concentration of chlorophyll- a</td> <td>Ship-of- opportunity, laboratory analysis, (HELCOM COMBINE</td> <td>National</td> <td>Weekly</td> <td>20%</td> <td>Chlorophyll- a (summer)</td> <td>5.2.1 (Chlorophyll concentration in the water column)</td> <td>EEZ</td> <td>1999</td> <td>EE, FI, SE</td> </tr> </tbody> </table>	Coordination	Elements Q9a (Q5c)	Parameter Q9a (Q5c)	Method Q9c, Q9d	QA/QC Q9e, 9f	Frequency Q9h, 9i	Spatial resolution Q9g, 9i	Link to HELCOM core indicators	Link to MSFD GES characteristics Q5b	Spatial scope Q4i	Monitoring started Q4h	CPs monitoring	Regional (COMBINE)	Phytoplankton	Concentration of chlorophyll- a	Fixed stations, in situ (HELCOM COMBINE manual, Part C, Annex C4)	National, ICESData TypeGuide and HELCOM COMBINE manual	<a href="#">See map for details</a>	<a href="#">See map for details</a>	Chlorophyll- a (summer)	5.2.1 Chlorophyll concentration in the water column	EEZ	1979	All HELCOM Contracting Parties	National	Phytoplankton	Concentration of chlorophyll- a	Ship-of- opportunity, flow-through	National	Continually	20% (transect)	Chlorophyll- a (summer)	5.2.1 Chlorophyll concentration in the water column	EEZ	1999	EE, FI, SE	National	Phytoplankton	Concentration of chlorophyll- a	Earth Observation, (MODIS, VIIRS)	Other	Continually	100% (1km or 300m resolution grid)	Chlorophyll- a (summer)	5.2.1 Chlorophyll concentration in the water column	EEZ	2003	FI	National	Phytoplankton	Concentration of chlorophyll- a	Ship-of- opportunity, laboratory analysis, (HELCOM COMBINE	National	Weekly	20%	Chlorophyll- a (summer)	5.2.1 (Chlorophyll concentration in the water column)	EEZ	1999	EE, FI, SE	<p>Monitoring started should be 2001, not 1999</p>
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Table 2. Monitoring manual change template.

Nr	Location (URL)	Text to be revised	Review suggestion
1			
2			
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4			
5			