Outcome of the Ninth Meeting the Seventh Baltic Sea Pollution Load Compilation (PLC-7) Project Implementation Group (PLC-7 IG 9-2019)

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Introduction

0.1 The Ninth Meeting of the PLC-7 Project Implementation Group (PLC-7 IG) took place at the premises of the HELCOM Secretariat in Helsinki, Finland, on 16-18 December 2019.

0.2 The Meeting was attended by representatives from all the Contracting Parties, except European Union and Lithuania. Also, experts from EMEP (Norway), BNI (Sweden) and SYKE (Finland) participated in the Meeting. The List of Participants is contained in **Annex 1.**

0.3 The Meeting was focused on the ongoing work to produce the major project deliverables based on the periodic data 2017, coordination with ACTION project, result of the EMEP work related to airborne nitrogen input to the Baltic Sea evaluation and other issues related to finalizing the project. The Meeting also considered proposals for the update of the Baltic Sea Action Plan related to the project work.

0.4 The Meeting was chaired by the PLC-7 Project Manager, Lars M. Svendsen, Denmark, and Dmitry Frank-Kamenetsky, HELCOM Secretariat, acted as Secretary.

Agenda Item 1 Adoption of the Agenda

1.1 The Meeting adopted the Agenda of the Meeting as contained in document 1-1.

Agenda Item 2 Matters arising from other HELCOM work

2.1 The Meeting took note of the outcomes of HOD 57-2019 current work of HELCOM ACTION project and the BSAP update.

Agenda Item 3 Data reporting and processing

Status of the periodic data 2017 reporting

3.1 The Meeting took note of the information on the current status of the PLC-7 periodic data reporting presented by the Data Manager (document 3-2 REV).

3.2 The Meeting took note that Germany will report source apportionment for Oder catchment area currently missing in the 2017 periodic report.

3.3 The Meeting took note that Latvia reported aggregated data on diffuse sources without distinguishing agricultural load as it had been previously done.

3.4 The Meeting discussed reporting of periodic data by Poland with the view to make the data available in time for making PLC-7 assessment products.

3.5 The Meeting took note that Polish periodic PLC-7 report will utilize 2018 data.

3.6 The Meeting proposed to apply step by step approach to report Polish periodic data. The reporting could start from the data on source apportionment for load-oriented approach - contribution of various sources to the total load from sub-catchments to the sea. The Meeting encourage Poland to report data for load-oriented assessment by 15 March 2020 as latest. The data on individual point sources will be reported by the end of May 2020 in order to make them available for source-oriented apportionment.

3.7 The Meeting agreed that the updated data on nitrogen and phosphorus discharges from Polish WWTP will be supplied in a simple MS Excel format to SYKE Finland (antti.raike@ymparisto.fi) with copy to the Secretariat (Susanna.Kaasinen@helcom.fi) by 15 January 2020 to make the data available for the implementation of relevant tasks of the HELCOM ACTION project.

3.8 The Meeting took note that Russia and Sweden reported point sources aggregated per sub-catchment.

3.9 The Meeting took note that Russia rejected some wrongly coded data and requests the Data Manager to remove the erroneous data from the PLC database.

3.10 The Meeting concluded that all countries except Poland accomplished periodic data reporting 2017 and almost of the national data reporters approved the reported data. The Meeting requested national data reporters to approve the remaining data by 15 January 2020.

3.11 The Meeting took note that detailed overviews of the reported periodic data 2017 in MS Excel format are available for all countries in the PLC-7 workspace.

3.12 The Meeting noted that some of the tables are to be updated and requested the data manager to update the tables by the second week of January 2020 and notify the Project Manager, national data reporters and the Secretariat when all data in the workspace are up-to-date.

3.13 The Meeting invited national data reporters to check the overviews and notify the data manager on any inconsistencies in the overviews requiring correction within 3 weeks since the notification by the data manager.

3.14 The Meeting recommended Poland to report inputs from small MWWTP (with PEs below the size recommended for reporting by the HELCOM PLC water guideline) in aggregated form per sub-catchments without coordinates.

3.15 The Meeting warmly thanked the data manager – Pekka Kotilainen - for the excellent work done to handle periodic reporting data.

Status of annual 2018 PLC data reporting and update of the PLC related spatial data

3.16 The Meeting took note of the information by the Secretariat that status of data reporting.

3.17 The Meeting took note of the information on that Poland has recently uploaded the draft report but has not yet inserted it to the database. Poland will insert annual data to the database by the end of 2019.

3.18 The Meeting also discussed approval of the reported data noting that:

- Germany is verifying information on some direct MMWTP sources and approve them in the beginning of the next year.
- Finland will report point sources by the end of 2019.
- Lithuania still has not approved 12 point sources. The Meeting requested the Secretariat to contact Lithuanian national data reporter
- Latvia has recently accepted remaining transboundary values. The report is accomplished.
- Russian report is missing some parameters for Pregolia river which will not be reported. Russia is verifying remaining data and approve them by the end of January.
- Sweden has recently approved remaining data and informed that missing data will not be reported. Thus, the report is completed.
- Denmark has got 86 new catchments in the database, where 6 of them are catchment that was reported some years ago, and it requires thorough check of the reporting template and also data approval. Denmark is currently preparing reporting template and will report in January 2020.

3.19 The Meeting acknowledged that update of the Danish monitoring programme and establishing of many new monitoring stations requires significant update of spatial data and encouraged Denmark to do this work and supply HELCOM with updated spatial data.

3.20 The Meeting also noted that there are cases when river catchment consists of several sub-catchments including monitored and unmonitored areas. The Meeting invited the data manager and the Secretariat to elaborate on correct method to code sub-catchments and the river.

3.21 The Meeting recalled that the problem of inconsistency of sub-catchment areas remains in the database, though, Estonia and Latvia updated spatial data.

3.22 The Meeting also took note that Germany has updated spatial data and already updated related background information in the templates. Finland is still verifying spatial data.

3.23 The Meeting pointed out that for coastal areas of Finland and Sweden the data on areas reported to the database are to be used for specific load calculation. This is due to the reason that a lot of small islands are not visualized on spatial data.

3.24 The Meeting encouraged all national data reporters to update spatial data by the end of January 2020 to make them available for further calculation of specific loads and visualization in the HELCOM map and data service.

3.25 The Meeting considered information on transboundary riverine inputs presented by Bo Gustafsson (presentation 1).

3.26 The Meeting invited national experts to review the data in the presentation and clarify all remaining issues with Bo Gustafsson by first of February 2020.

3.27 The Meeting invited BNI, Sweden to submit complete background data utilized to update national input ceilings, especially, for transboundary rivers at least 3 weeks before the next PLC-7 meeting.

Information in the new fish farms in the Baltic Sea region

3.28 The Meeting discuss information from CCB that much more fish farms have been established in the Baltic Sea region than reported to the PLC database.

3.29 National representatives in the PLC IG provided the following information in this respect:

- Sweden has rather good coverage of fish farms reported to the PLC database;
- Poland informed of many inland fish farms but no sea-based aquaculture in the country;
- Finland reported of about 96 fish farms in the Archipelago Sea and Aland. There might be some minor farms in the other areas;
- Latvia has no marine fish farms and have reported data only on 5 inland ones. Other fish farms are very small and not obliged to report emissions;
- Lithuania reported 29 inland fish farms;
- Denmark reported 90 inland fish farms which are obliged to report emissions which is complete coverage;
- Germany did not report any fish farms in the Baltic Sea catchment areas though there are many inland aquacultures but, probably, outside the Baltic Sea catchment;
- Russia has currently no information on inland or sea-based fish farms and will try to make them available for the next reporting period.

Agenda Item 4 Current activities of the PLC-7 project and coordination with other HELCOM activities including ACTION project

HELCOM Core Indicator for Inputs of nutrients 1995-2017

4.1 The Meeting took note of the decision of HOD 57-2019 regarding publication of the HELCOM Core Indicator for input of nutrients. The Meeting agreed that RedCore DG will take care of the update of the indicator in case of any comments.

Assessment of the progress towards implementation of national nutrient input ceilings

4.2 The Meeting took note of the first results of the assessment of national implementation of existing HELCOM agreements to achieve national input reduction targets expressed as net nutrient input ceilings (NIC) presented by the Project Manager.

4.3 The Meeting pointed out that changes in atmospheric deposition data significantly affected assessment results for nitrogen and that the update of the transboundary data also affected assessment for some of the countries.

4.4 The Meeting concluded that in general the assessment method is rather robust indicating reasonable variations between the assessment results in different years.

4.5 The Meeting agreed that the initial assessment results require verification by national experts and requested Secretariat to create an assessment folder in the PLC-7 workspace. The following data will be uploaded into the folder: PLC-7 assessment dataset, file illustrating national shares in the transboundary river loads, file with plots illustrating assessment dataset and preliminary assessment results. All information will be available in the workspace by 20 December 2019.

4.6 The Meeting invited national data reporters to verify the preliminary assessment results and clarify any concerns related to the assessment datasets and the assessment results with the Project Manager by 31 of January 2020.

4.7 The Meeting agreed that after the verification of the preliminary assessment results the final draft of the assessment of the progress towards NICs will be produced and presented to PLC-7 10-2020.

Natural background losses

4.8 The Meeting considered recommendation to update HELCOM PLC-Water Guidelines (document 4-5) presented by Germany.

4.9 The Meeting discussed application of the data on natural losses for source apportionment, thanked Germany for the proposal to update the relevant section of the Guideline and agreed that the proposed text is a good starting point for the update of the Guideline.

4.10 The Meeting agreed that the discussion on the use of the background losses has to be continued taking into account identification of reference conditions given in the EU WFD as well as national methodologies applied to identify natural losses.

Updating background information

4.11 The Meeting discussed the preparation of the PLC-7 background information report.

4.12 The Meeting considered a questionnaire on population and invited Poland to provide information on the population in transboundary areas in Czech Republic and Ukraine and Latvia for Belarus. The Project Manager will circulate the questionnaire to the partners indicating the countries invited to provide data on upstream transboundary countries. The Meeting invited project members to submitting filled in questionnaire to the Project Manager (lms@dce.au.dk) by 1 February 2020.

4.13 The Meeting considered data on land use (document 4-4), welcomed the map, proposed by the Secretariat, and agreed to use the Corine database as the major source of land use data in the Baltic Sea region.

4.14 The Meeting agreed to provide feedback on national data used for the background information report by 15 February 2020 to the project members responsible for the corresponding parts of the report.

4.15 The Meeting requested the Secretariat to update tables in the background information report with an overview of the national data used in the PLC-7 assessment products.

ENIRED II report by EMEP.

4.16 The Meeting took note of and welcomed a draft result of the project on ESTIMATION OF COUNTRY-WISE REDUCTIONS OF ATMOSPHERIC NITROGEN DEPOSITION ACHIEVABLE BY 2030 BY IMPLEMENTING THE GOTHENBURG PROTOCOL/EU -NEC DIRECTIVE presented by EMEP (presentation 2). The Meeting also noted that EMEP found an error in the presentation on the slide showing ship emissions from NOS and BAS. The numbers for 2030 should be about 3 times higher.

4.17 The Meeting discussed compatibility of the data used in the ENIRED project with the data used in the HELCOM nutrient reduction scheme follow-up noting that the same emission data are used for the year 2005 (which is the reference year for ENIRED project) and that comparison with HELCOM reference period will need some additional recalculation.

4.18 The Meeting paid attention on the relatively high contribution of ship traffic to the total N deposition on the Baltic Sea and invited EMEP to check correctness of the evaluation of the ship emission data.

4.19 The Meeting recommended to include to the report tables illustrating deposition reduction for each country and sub-basin.

4.20 The Meeting invited EMEP to submit a draft project report to RedCore DG for initial consideration by 15 January 2020. RedCore DG will provide recommendation on the format of the report, illustrations and tables to be included in final version which is to be submitted to PRESSURE 12-2020 for final approval.

Implementation of the task on evaluation of effectiveness of measures to reduce nutrient loads

4.21 The Meeting took note of a draft assessment of effectiveness of measures to reduce nutrient loads from point sources presented by SYKE, Finland (document 4-4).

4.22 The Meeting invited national data reporters to verify the data in the report and provide feedback to Antti Raike (antti.raike@ymparisto.fi) with copy to the Secretariat (Susanna.Kaasinen@helcom.fi) by 15 January 2020.

4.23 The Meeting also took note that time series for inputs from large point sources (MWWTP) which were proposed to be utilized for evaluation of effectiveness of measures in the PLC-7 report are in general available.

4.24 The Meeting considered the targeted questionnaire to compile information to evaluate effectiveness of measures and potential reduction of nutrient load from scattered dwellings presented by SYKE, Finland (document 4-2).

4.25 The Meeting discussed availability of the information and noted that Germany, Finland, Denmark and Sweden would be able to compile required information though it requires an extra work. Other countries might face difficulties to compile all requested data.

4.26 The Meeting took note that the information on scattered dwellings will be used also in the WP6 of ACTION project and proposed to report data on connectivity and number of scattered dwellings by the end of January 2020 (antti.raike@ymparisto.fi, Susanna.Kaasinen@helcom.fi) and the data in the last table (third sheet of the Excel spreadsheet) reflecting treatment status will be reported by 29 February 2020.

4.27 The Meeting also took note that the information on treatment methods differs between countries which also require specific consideration and discussion at the next PLC-7 meeting.

4.28 The Meeting agreed that the PLC-7 final report on effectiveness of measures will consist of:

- evaluation of potential reduction on loads from point sources;

- time series of nutrient inputs from the large sewage systems and WWTP, illustrating results of their advancement;
- evaluation potential reduction from scattered dwellings;
- examples of nutrient load reduction from rivers basins with description of applied measures.

4.29 The Meeting also agreed that the final draft report on effectiveness of measures is to be presented to PRESSURE 13-2020.

ACTION: River catchment analysis (SYKE)

4.30 The Meeting took note of an example to evaluate effects of measures to reduce nutrient loads from individual river basins, presented by SYKE Finland (document 4-1) and discussed further steps to implement this task from of ACTION Project.

4.31 The Meeting discussed availability of the data on measures in river basins taking note that, for example, Russia does not possess detailed information on measure applied to reduce load from diffuse sources, thus, proposed to focus on point sources where reliable information on measures is available.

4.32 The Meeting took note that nutrient balances can be calculated in Finland and also that agricultural practices dramatically differ for the exemplified river catchments. Denmark informed that very detailed information on agricultural measures since 1989 is available for some river catchments.

4.33 Based on the discussion the Meeting concluded that different information on measures and their effects is available in the countries. Thus, most probably only Denmark will be able to provide complete information on agricultural measures and point sources. The majority will focus on effects of point sources.

4.34 The Meeting also took note that data on indirect point and source apportionment for 1995 is rather poor in the PLC water database.

4.35 The Meeting invited project members to provide available information on the measures applied in the river catchment selected as examples for the evaluation of effectiveness of measures by 15 January to (antti.raike@ymparisto.fi, Susanna.Kaasinen@helcom.fi).

Assessment of inputs of selected hazardous substances

4.36 The Meeting discussed an initial proposal on the content of the PLC-7 product on inputs of selected hazardous substances to the Baltic Sea presented by SLU, Sweden (presentation 3).

4.37 The Meeting took note of the information on ongoing work in Latvia in the frame of EU WFD on the assessment of the main sources of contaminants.

4.38 The Meeting also took note that Sweden has compiled comprehensive information on sources and pathways of a number of alarming contaminants.

4.39 The Meeting proposed to aggregate available data and assess contaminant's loads by sub-basins and also recommend focusing on identification of sources and pathways of the substances.

4.40 The Meeting agreed that in addition to PLC data the following data sources could be utilized for the PLC-7 report on input of hazardous substances: compilation of data on micropollutants in WWTP effluents, thematic reports of SOM platform topic teams and EMEP reports on atmospheric deposition.

4.41 The Meeting requested the Secretariat to provide all available data to Lars Sonesten SLU, Sweden and invited Sweden to make a proposal on the content of the PLC report on hazardous substances based on the available data to the next PLC-7 meeting.

Agenda Item 5 BSAP nutrient reduction scheme

5.1 The Meeting took note of the information by Bo Gustafsson BNI, Sweden on the latest update of the nutrient input ceilings values as well as the reasons and magnitude of changes of the national nutrient input reduction requirements (presentation 4).

5.2 The Meeting pointed out that some of the national shares in loads of transboundary rivers are to be further verified and agreed by the representatives of the involved countries before submission of the updated NIC values to PLC-10-2020.

5.3 The Meeting took note that the comparison of the old and updated input ceilings is given in the document 9-6 to PRESSURE 11-2019 and invited all members of PLC-7 implementation group to clarify questionable issues with Bo Gustafsson before the next PLC-7 meeting.

5.4 The Meeting discussed the draft update of the HELCOM nutrient input reduction scheme and recommendation by HOD 57-2019 regarding its further development presented by the Secretariat.

5.5 The Meeting reviewed some definitions in the proposed text and tentatively agreed on them as given in the REV document 5-3 REV1.

5.6 The Meeting invited PLC-7 group members to supply the Secretariat (dmitry.frank-kamenetsky@helcom.fi) comments on and proposals to the text of the document 5-3 REV1 by 14 February 2020.

5.7 The Meeting discussed the provisional agenda of the workshop on the update of the national input ceilings agreed to be convened back-to-back with PRESSURE 12-2020 (document 5-1) and proposals by Germany to the provisional agenda (document 5-1REV1).

5.8 The Meeting proposed changes in the agenda of the workshop as given in the document 5-1 REV2 and agreed to provide written recommendations by 15 January 2020 to the Secretariat (dmitry.frank-kamenetsky@helcom.fi).

Input by big rivers

5.9 The Meeting discussed the assessment of input by the main rivers which is one of the project deliverables.

5.10 The Meeting recalled that the assessment of the input by 7 big rivers has been recently published and proposed to include a chapter with updated information on the input by these rivers in the report on sources and pathways of nutrients.

Identification of the main sources and pathways of nutrient input to the Baltic Sea – content and structure of the report.

5.11 The Meeting discussed proposals on the content and structure of the report on the main sources and pathways of nutrients to the Baltic Sea as proposed by the Project Manager (annex X).

5.12 The Meeting took note that as long as most of the source apportionment data obtained by modelling based on a certain methodology the change of methodology might result in significant deviation of data and, consequently, assessment results. The Meeting agreed that these cases are to be indicated in the report.

5.13 The Meeting in general agreed that the report will consist of 2 parts. First part will describe contribution of various sources and pathways to the total nutrient load on the Baltic Sea. This part will have almost the same structure as corresponding PLC-6 report. The only difference is that identification of airborne sources would be introduced depending on the availability of data. The second part of the report will describe emission from different sources of nutrients to air or inland waters (source-oriented approach).

Rephrasing of actions for the BSAP update

5.14 The Meeting discussed proposals for new wording for the actions which PLC IG and RedCore DG were requested to rephrase presented by the Secretariat (document 5-2) and agreed on them as given in the document 5-2 REV.

Agenda Item 6 Any other business

Annual BSEF's on airborne emissions and depositions (EMEP) and assessing min. reasons for the changes in nitrogen deposition during the reference period (1997-2003)

6.1 The Meeting discussed application of the statistical methodology similar to the one used for the assessment of waterborne nutrient inputs in the EMEP products.

6.2 The Meeting noted that the key point of the proposal is trend analyses of the data with identification of the break point on the deposition trends.

6.3 The Meeting invited EMEP experts to discuss statistical tool as well as software to make this analysis integrated in the EMEP annual fact sheet report on nitrogen deposition to make it consistent with the HELCOM Core Indicator on nutrient load.

6.4 The Meeting also pointed out the need to identify uncertainty of the assessment and conclude on the statistical significance of the achieved reduction.

6.5 The Meeting proposed to discuss statistical methods and software to be used for EMEP reports in future at the closest RedCore DG meeting, if needed.

6.6 The Meeting discussed the main reasons for the changes in atmospheric deposition (about 30% in average) in the reference period evaluated in 2012 (for the MD2013) and in 2019.

6.7 The Meeting took note of the information by EMEP of the key reasons which caused the increase of the N deposition in the past years (presentation 5).

6.8 The Meeting invited EMEP to submit a short paper explaining the main factors of changes and their contribution to the increase of the deposition data to the closest RedCore DG meeting in the beginning of 2020.

6.9 The Meeting took note of the information on the availability of the data on source receptor matrix for source apportionment and welcomed the offer by EMEP to make the data available for the assessment work already in February 2020. But the Meeting also noted that producing of the data depends on the availability of the computation time and thus might be not possible by the announced time. But EMEP assured the Meeting that the data will be reported in accordance with the timeline of the current contract.

PLC-8 timeframe

6.10 The Meeting took note of the HOD 57-2019 decision on the timeframe of the PLC-8 project and discussed next steps to launch the project in accordance with HODs decision.

6.11 The Meeting invited RedCore DG and the Secretariat to make a project proposal for PLC-8 and circulate it to the group members before submission to HELCOM 41-2020 for approval.

Development of a structure for the web page for nutrient input reduction scheme for the new HELCOM website.

6.12 The Meeting took note of the information on the new HELCOM website and new functional that it provides to visualize and present various information.

6.13 The Meeting proposed to integrate an archive of updates of the HELCOM Core indicator on nutrient input and other regularly updated assessments and make it available at the website.

6.14 The Meeting discussed the structure of web pages on the HELCOM website providing public information on various aspects of nutrient input reduction scheme presented by the Secretariat (document 6-1).

6.15 The Meeting in general agreed with the proposed structure of the webpages and proposed that the webpages will contain messages in a concise and attractive form with an opportunity to expand them to the full text on the screen and links to corresponding publications.

6.16 Bearing in mind that PLC-7 will also analyze changes in inputs since the reference period, the Meeting proposed to keep this information in a subpage of the webpage describing long-term input changes.

6.17 The Meeting invited the project manager to provide text for the webpage about uncertainty and also use the text from the previous assessment of the progress towards NICs for the relevant webpage.

6.18 The Meeting invited all project members to comment on the text presented in the document 6-1 and also available on the webpages to the Secretariat by 30 January 2020 (dmitry.frank-kamenetsky@helcom.fi) and invited the Secretariat to update the webpages accordingly.

Development of the PLC-Water database

6.19 The Meeting took note of the information by BNI on the recent developments of the user tool of the of the PLC-Water database.

6.20 The Meeting took note of the correction of the mistake in the database which disabled insertion of the data on PEs of WTP to the PLC water database. The Meeting further acknowledged that all data contained in the national reporting templates has been eventually successfully integrated to the PLC water database

6.21 The Meeting discussed what kind of Personal Equivalent parameter is reported to the PLC water database as the parameter can reflect: capacity of the WWTP, actual load or number of actually connected residents. The Meeting concluded that the reported PE, at least, can't vary for different parameters reported to the PLC database.

6.22 The Meeting in general agreed that PE should reflect the capacity of the WWTP in the background information and actual load in the annually or periodically reported data.

6.23 The Meeting took note that PE parameter is not included to the background information. The Meeting agreed to discuss inclusion of the parameter to the database at the next PLC-7 meeting.

6.24 The Meeting invited Sweden and Finland to prepare a background document with an overview of different types of PEs used for characterization of WWTPs.

6.25 The Meeting took note of the information by Denmark regarding the study covering 56 MWWTP on the phosphorus loads on the MWWTP (presentation 6).

6.26 The Meeting took note of the persistent decries of the P content in the WWTP influents primarily caused by reduction of phosphates content in detergents.

6.27 The Meeting invited other CPs to present results of national studies of P content in the WWTP influents, if they are available.

Scientific report.

6.28 The Meeting took note of the proposal by the Project Manager on the content of the PLC scientific report which will cover both PLC-6 and PLC-7 projects. The intention is to submit the repost for consideration of PRESSURE 12-2020 but before that the scientific report will be presented for consideration of the PLC-7 implementation group.

Agenda Item 7 Future work and meetings

7.1 The Meeting reviewed the List of Nominated PLC-7 Project Members and made the necessary updates (**Annex X**).

7.2 The Meeting took note of the small updates of the PLC-7 timetable and agreed on it as given in **Annex X**.

7.3 The Meeting briefly discussed a concept of the second ACTION project workshop mainly aimed at MSFD programmes of measures. The Meeting proposed to arrange the Workshop 12-13 from lunch to lunch in Gothenburg, Sweden.

7.4 The Meeting agreed to arrange PLC-7 IG 10-2019 on 10-12 March 2020 in Gothenburg, Sweden, provisionally starting at 10.00 CET.

7.5 The themes of the next meeting will be: NIC assessment, BSAP update and new ceilings and preparation for the Workshop, content of HS report, first assessment results for sources and pathways, effectiveness of measures including the outcomes of the ACTION project, background report, background losses, final state of 2018 annual data reporting including update of spatial data.

Agenda Item 8 Closing of the Meeting

8.1 The Meeting agreed to adopt the draft Outcome of PLC-7 IG 9-2019 Meeting via correspondence. The Outcome will be made available in the HELCOM Meeting Portal, together with the documents considered at the Meeting.

Annex 1 List of Participants

List of Participants

*) online participation

Representing	Name	Organization	E-mail
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Annex 3 Nominated PLC-7 Project Implementation Group Members

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Annex 3 Updated timetable for PLC-7 Project

Table 1: Overview of the main tasks and the planned start and end for each task. "1/2017" indicates first quarter of 2017. The column "Finalized" indicates when tasks has been finalized. Where the deadlines are foreseen to change from the planned PLC-7 project it is marked with italic in column "End". Added 5 task as compared to the PLC-7 project description.

PLC- 7 task	Start	End	Finalized
• Project management (including about 12 project team meetings)	1/2017	4/2020	
• Workshops (2 workshops are planned)	1/2017	*2/2020*	
• Monitoring and compilation of national annual/periodical data	1/2017	4/2017	4/2017
• A. Reporting of quality assured national annual data incl. QA B. Reporting of quality assured national periodic data incl. QA	3/2018 4/2018	2/2019 *1/2020*	3/2019
• A. Establishing the annual assessment data set 1995-2017 B. Establishing the periodic assessment data set 1995-2017	1/2019 2/2019	2/2019 *1/2020*	3/2019
• Assessment of sources of nutrients *including big rivers assessment*	4/2019	*3/2020*	
• Assessment of the effectiveness of measures	1/2019	2/2020	
• Assessment of inputs of selected hazardous substances	3/2019	*3/2020*	
• *Updating background report*	*3/2019*	*3/2020*	
• Compilation of the executive summary and policy messages	3/2020	4/2020	
• Updating guidelines and statistical methodology report	1/2017	1/2018	4/2018
• Intercalibration on heavy metals and nutrients	3/2017	2/2018	4/2018
• *Finalizing PLC-6 assessment products*	*1/2017*	*2/2018*	1/2019
• *Update Core indicator on nutrient inputs 1995-2015*	*1/2017*	*1/2018*	2/2018
• *Update Core indicator on nutrient inputs 1995-2016*	*1/2018*	*4/2018*	4/2018
• *Update Core indicator on nutrient inputs 1995-2017*	*4/2019*	*4/2019*	*4/2019*
• *A. Update assessment of progress towards input ceilings (1995-2017 data) "indicator"* *B. Update scientific report on progress towards CART 1995-2017*	*4/2019* *1/2020*	*1/2020* *3/2020*	