



Document title	Status of the 2016 annual PLC data reporting
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Background

The 2016 annual data reporting started with about one month's delay from the original deadline. All the countries downloaded prefilled reporting templates from the PLC reporting portal, revised them, and informed the Secretariat accordingly. All contracting parties except Denmark have reported data for 2016.

This document describes the status of reporting and approval of 2016 data.

Action requested

The Meeting is invited to:

- consider the status of 2016 data reporting;
- conclude on the state of the reporting;
- conclude on the state of the data approval;
- agree on the next steps to finalize data reporting 2016 with intention to submit updated MAI indicator to PRESSUE 9-2018 for endorsement.

Status of the 2016 data reporting on direct sources

Direct sources of 2016 to be reported

The following direct sources should be reported on 2016 data:

- Discharges and flow of monitored rivers and unmonitored areas (parameters listed in the PLC Guidelines)
- Transboundary discharges (N_{tot}, P_{tot}), flow and retention (N_{tot}, P_{tot})
- Discharges and flows of direct point sources (parameters listed in the PLC Guidelines)

Reporting procedure

The reporting process of 2016 data has been delayed due to limited resources and the heavy work load to finalize PLC-6 products. Reporting templates with background information were provided to the CPs in October. Contracting parties were invited to download the annual templates and verify information in the prefilled templates, correct it and upload the updated templates. If there is no correction needed the CP's were invited to inform the Secretariat that the template has been approved. After the approval of the template, CP's can proceed with the reporting. Table 1 is giving an overview of the status of the reporting and approval process by Contracting Party.

Table 1: State of data reporting and approval process of 2016 data.

COUNTRY	Downloaded the template	Reported	Approval
DE	x	x	Not completed
DK	x		
EE	x	x	APPROVED
FI	x	x	APPROVED
LT	x	x	Not completed
LV	x	x	Not completed
PL	x	x	Not completed
RU	x	x	Not completed
SE	x	x	APPROVED

Data verification and approval

When data are inserted in the HELCOM PLC water database, the Application conducts automatically a preliminary (QA1: format, data type, etc.) and a statistical check (QA2: statistical testing of the data with the existing data) of the data. After the insertion, data can be retrieved in the Application for further verification. This enables a reporter or a data quality assurer to correct, reject or approve the retrieved data in the Application. The QA level 3 is for the data reporter and the QA level 4 for the national data assurer/data manager. Quality assurance status have been described in more detail at the end of the document.

Reported data and approval status by country

All contracting parties except Denmark have reported data for 2016. The automated quality assurance of the reported data has been carried out as in the Application.

Table 2 represents reported data by country and source for 3 parameters: flow, Ntot and Ptot. For aquaculture flow is not included. 'Reported sites' indicates number of sites reported per source. 'Reported info' indicates reported data on Flow, Ntot and Ptot of these sites. 'Missing info' indicates data (Flow, Ntot and Ptot) that is missing from reported sites. Last 5 columns indicates the approval status of data.

Table 2: Table represents reported data and approval status by country.

Country	Source	Reported sites	Reported info (flow,ntot,ptot)	Missing info (flow,ntot,ptot)	No QA check	Corrected	Questionable	Approved	Rejected
Germany	Subcatchment	27	80	1	2	0	0	78	0
	Direct MWWTP	24	72	0	0	0	0	72	0
	Dir industry	3	9	0	0	0	0	9	0
	Dir aquaculture								
	Transboundary								
Estonia	Subcatchment	18	54	0	0	0	0	54	0
	Direct MWWTP	17	51	0	0	0	0	51	0
	Dir industry	1	3	0	0	0	0	3	0
	Dir aquaculture								
	Transboundary	5	15	0	0		0	15	0
Finland	Subcatchment	32	96	0	0	0	0	96	0
	Direct MWWTP	40	112	8	0	5	0	107	0
	Dir industry	30	68	22	0	2	0	66	0
	Dir aquaculture	96	192	0	0	0	0	192	0
	Transboundary	2	6	0	0	1	0	5	0
Lithuania	Subcatchment	4	12	0	0	0	0	12	0
	Direct MWWTP	10	26	4	12	0	0	14	0
	Dir industry	11	23	10	0	0	0	23	0
	Dir aquaculture								
	Transboundary	4	12	0	12	0	0	0	0
Latvia	Subcatchment	13	39	0	0	0	0	39	0
	Direct MWWTP	5	15	0	0	0	2	15	0
	Dir industry	7	17	4	0	0	0	17	0
	Dir aquaculture								
	Transboundary	9	27	0	9	0	0	18	0
Poland	Subcatchment	23	69	0	1	0	5	63	0
	Direct MWWTP	7	19	2	0	0	0	19	0
	Dir industry	2	2	4	2	0	0	0	0
	Dir aquaculture								
	Transboundary	1	3	0	3	0	0	0	0
Russia	Subcatchment	6	18	0	8	0	1	9	0
	Direct MWWTP	13	39	0	1	0	9	29	0
	Dir industry	2	6	0	0	0	1	5	0
	Dir aquaculture								
	Transboundary	2	6	0	6	0	0	0	0
Sweden	Subcatchment	42	126	0	0	0	0	126	0
	Direct MWWTP	109	327	0	0	0	0	327	0
	Dir industry	39	88	29	0	0	0	88	0
	Dir aquaculture	15	30	0	0	0	0	30	0
	Transboundary	1	3	0	0	0	0	3	0

Spatial coverage of reporting

Comparing reported data to spatial coverage of sub-catchments, following observations can be made:

- Denmark: no data reported
- Germany: Missing data on SCDE00135X (Baltic Proper unmonitored)
- Estonia: Complete spatial coverage
- Finland: Missing data on SCFI00023 (Kuivajoki)
- Lithuania: Missing data on SCLT00011 (Pregolya)
- Latvia: Missing data on SCLV00019 (PARNU)
- Poland: Missing data on SCPL00047 (BAPPLAND), SCPL00025 (Nemunas), SCPL000XX (Ucker)
- Russia: Missing data on SCRU00052 (Nemunas), SCRU00031 (Pregolya)
- Sweden: Complete spatial coverage



Figure 1: Sub-catchment which has not been reported in 2016.

Reporting process

Referring to the outcome of [PLC-7 IG 2-2017](#) the Secretariat would like to remind on some important aspects regarding the reporting process. Please find below some key extractions of the outcome, further details can accessed behind the link.

- The Meeting concluded that the data, which have passed automatic validation test and have been accepted by the PLC database, are considered as approved after 1 March of the year following the year of reporting, in line with the HELCOM Procedures for releasing the reported PLC-water data
- The Meeting agreed that data on transboundary inputs will be excluded from reporting templates of upstream countries and included into the templates of downstream countries responsible for the data reporting on the whole transboundary river catchment area. Upstream countries are obliged to provide available data on transboundary inputs from their territory to the HELCOM PLC group members from the countries responsible for the reporting of the data
- The Meeting emphasized that national data reporters are obliged to verify the data on transboundary inputs from their territories by 1 March of the year following the year of reporting