

Data Dictionary

Definition of

Urban Waste Water Treatment Directive reporting under Article 17 dataset

Version: October 2023

About this document

This document holds the technical specifications for a dataflow based on automatically generated output from the Data Dictionary application. The Data Dictionary is a central service for storing technical specifications for information requested in reporting obligations. The purpose of this document is to support countries in reporting good quality data. This document contains detailed specifications in a structured format for the data requested in a dataflow. Suggestions from users on how to improve the document are welcome.

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1. General information for Urban Waste Water Treatment Directive reporting under Article 17 dataset

Basic metadata:

Short name	UWWTDArt17
Version	October 2023
Definition	Data reported by countries under the UWWT Directive - Article 17 reporting obligation.
Short Description	Definition of data reported by countries under the Urban Waste Water Treatment Directive, Article 17 reporting obligation (UWWTD Implementation Report).
Planned updating frequency	2 years
Methodology for obtaining data	The data requested through the Reportnet process should be derived from existing national and/or regional information systems within each Member State and the information and data needed to assess the compliance status for agglomerations and treatment plants under Article 15 reporting.

Member States are asked to provide the information on the status and on the forecasts for implementation of the UWWTD, in particular:

1. information on individual agglomerations and urban waste water treatment plants which have to become compliant, and
2. aggregated socio-economic information at national level

No information will be requested for agglomerations or treatment plants which are considered compliant and for which there are no reasons to conclude that this situation would change within the next two years.

If the reference year used for the article 17 reporting is more recent than that used for article 15 reporting, it could be possible to have new not compliant situations because of a better knowledge of the situation. In the same situation, it is also possible to have less not compliant agglomerations than those identified under article 15 because the work has been achieved between the two reference years.

If no compliance assessment is yet possible (because the deadline in the Accession Treaties is not yet expired), detailed information showing the status of implementation already achieved or expected should be provided.

Aggregated socio-economic information at national level is requested to all MS, including those that reach very high compliance levels. This information will allow assessing the approach applied by Member States to address the identified problems and the actions needed to keep their achievements (e.g. maintenance/renewal etc).

Reporting under the UWWTD will be carried out by uploading data into WISE via ReportNet (the European Environment Agency's electronic infrastructure for data collection). Member States are asked to upload their data UWWTD Art. 17 data in XML files following the reporting templates into a Central Data Repository (CDR). Additional documents and reports can be uploaded next to data files as well. For this reporting exercise, the European Environment Agency (EEA) provided the access rights to the reporters nominated by the Member States to upload the report in WISE.

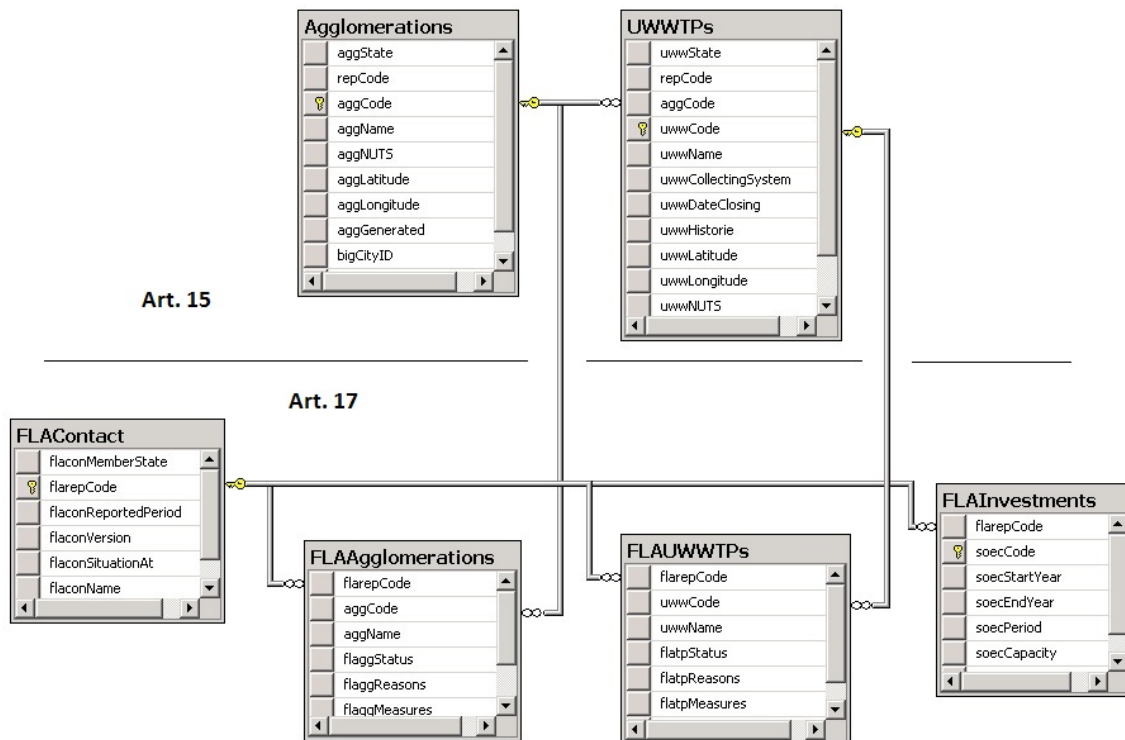
Instructions on "How to use Reportnet for reporting under the Urban Waste Water treatment Directive-National Implementation programme" for the submission of the reports from the Member States in pursuance of UWWTD article 17 are available at <http://cdr.eionet.europa.eu/help/UWWTD> (under "Dataflow specific instructions", sub-section "Urban Waste Water Treatment Directive – National Implementation Programme - Article 17"). All technical supporting documents are also available via this link.

A technical help desk on the reporting exercise will be provided by the European Topic Centre Biodiversity and Ecosystems (ETC-BE), and will be available for six months after the launch of the reporting exercise. The helpdesk can be contacted via e-mail on uwwtd.helpdesk@eionet.europa.eu.

2. Overview of Urban Waste Water Treatment Directive reporting under Article 17 dataset tables

Name	Definition	Short description
FLAContact	Basic Information: information on the reporting authority.	Contact information.
FLAAgglomerations	Forward looking aspects-agglomerations: Disaggregated information on actual nature of the problems faced at agglomeration level, planned measures, expected compliance dates and support (to be) provided.	Information on non-compliant agglomerations or agglomerations under pending deadlines that do not meet the UWWTD requirements.
FLAUWWTPs	Forward looking aspects-UWWTPS: Disaggregated information on actual reason of non-compliance, specific measures to be taken, expected treatment type and capacity, as well as planned funds.	Information on treatment plants which are considered non-compliant, or the treatment plants under pending implementation deadlines that do not meet the UWWTD requirements.
FLAInvestments	Forward looking aspects: annual information on the cost of implementation, total size of the urban waste water treatment plants, current and expected number of related jobs and other aggregated information.	Aggregated annual information on the cost of implementation.

Datamodel for this dataset



Short name FLAContact

Definition Basic Information: information on the reporting authority.

Short Description Contact information.

Methodology for obtaining data Table FLAContact includes name, institution, address and other contact information of the contact person responsible for data provision.

	Column name	Column definition	Methodology	Data specifications
3.1.1	flaconMemberState (flaconMemberState)	Member state	This value is required.	Datatype: string Minimum size: 0 Maximum size: 16
3.1.2	flarepCode (flarepCode)	Report ID, as specified by country	This value is required.	Datatype: string Minimum size: 1 Maximum size: 16
3.1.3	flaconReportedPeriod (flaconReportedPeriod)	Reported Year	This value is required.	Datatype: string Minimum size: 4 Maximum size: 4
3.1.4	flaconVersion (flaconVersion)	Version of reported data	This value is required. Use the format YYYY-MM-DD.	Datatype: date
3.1.5	flaconSituationAt (flaconSituationAt)	Specifying the end date of the period for which the data was reported.	This value is required. Use the format YYYY-MM-DD.	Datatype: date
3.1.6	flaconName (flaconName)	Reporting contact	This value is required.	Datatype: string Minimum size: 0 Maximum size: 64
3.1.7	flaconInstitution (flaconInstitution)	Name of the Institution	This value is required.	Datatype: string Minimum size: 0 Maximum size: 128

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	Column name	Column definition	Methodology	Data specifications
3.1.8	flaconStreet (flaconStreet)	Street		Datatype: string Minimum size: 0 Maximum size: 128
3.1.9	flaconZIP (flaconZIP)	Post Code		Datatype: string Minimum size: 0 Maximum size: 8
3.1.10	flaconCity (flaconCity)	City		Datatype: string Minimum size: 0 Maximum size: 64
3.1.11	flaconPhone (flaconPhone)	Phone	This value is required.	Datatype: string Minimum size: 0 Maximum size: 64
3.1.12	flaconFax (flaconFax)	Fax		Datatype: string Minimum size: 0 Maximum size: 50
3.1.13	flaconEmail (flaconEmail)	E-mail	This value is required.	Datatype: string Minimum size: 0 Maximum size: 128
3.1.14	flaconRemarks (flaconRemarks)	Remarks		Datatype: string Minimum size: 0 Maximum size: 255

3.2 FLAAglomerations table

Short name FLAAglomerations

Definition Forward looking aspects-agglomerations: Disaggregated information on actual nature of the problems faced at agglomeration level, planned measures, expected compliance dates and support (to be) provided.

Short Description Information on non-compliant agglomerations or agglomerations under pending deadlines that do not meet the UWWTD requirements.

Columns in FLAAglomerations table:

	Column name	Column definition	Methodology	Data specifications
3.2.1	flarepCode (flarepCode)	Report ID, as specified by country	This value is required.	Datatype: string Minimum size: 1 Maximum size: 16
3.2.2	aggCode (aggCode)	ID of the Agglomeration, as specified by country.	This value is required when there is a not compliant situation under the Article 15 reporting. aggCode must be unique in the table. First 2 characters must be the 2-alpha character ISO country code (use 'EL' for Greece and 'UK' for the United Kingdom). Do not use characters with accents and other diacritical marks (national characters). Do not use spaces or other spatial characters. The hyphen '-' and the underscore '_' characters are allowed. Each aggCode must be reported also in the UWWTD Article 15 dataset. It is not possible to have the duplication of the same ID code. All the works concerning an agglomeration have to be aggregated under the same ID code.	Datatype: string Minimum size: 3 Maximum size: 32
3.2.3	aggName (aggName)	Name of the Agglomeration	This value is required.	Datatype: string Minimum size: 1 Maximum size: 255

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	Column name	Column definition	Methodology	Data specifications
3.2.4	flaggStatus (flaggStatus)	Status of the agglomeration at the reference reporting year (Not compliant/Pending deadlines)	<p>This value is required.</p> <p>If the agglomeration is reported in the table, the status is not compliant. The not compliant situations cover all not compliant agglomerations at the chosen reference year even if they are not in any specific infringement procedure. It is a way for MS and EU to better communicate at national and EU level about the identified not compliant situations. See also chapter 2.2 of the Article 17 guidance document about compliance.</p> <p>It is also possible for a Member State to have a Compliant situation in the list if there is a need to follow the renovation of this targeted collecting system, the extension of it or the works on collecting systems which are going to replace IAS.</p> <p>If the agglomeration is under a pending deadline and if doesn't meet the requirements of the Directive yet it has to reported as "PD" - pending deadlines.</p>	string codelist: see section 4
3.2.5	flaggReasons (flaggReasons)	Identified reason(s) for non compliance	<p>This value is required for all non-compliant agglomerations.</p> <p>If an implementation deadline is pending and the reason is unknown, fill in: not relevant.</p> <p>Examples of answers: - absence of collection and IAS - discharge of untreated wastewater in the collecting system or treatment plant - excess of storm overflows in the collecting system.</p>	Datatype: string Minimum size: 0 Maximum size: 4096

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	Column name	Column definition	Methodology	Data specifications
3.2.6	flaggMeasures (flaggMeasures)	Measure(s) foreseen to reach compliance with Article 3 (collecting systems and IAS)	This value is required. Examples of answers: - building of a collecting system - renewal of the collecting system - building of a storage system	Datatype: string Minimum size: 0 Maximum size: 4096
3.2.7	flaggExpecDateStart (flaggExpecDateStart)	Date or expected date for completion of preparatory measures for the collecting system or IAS (planning, design, procurement, consents as required at MS level, etc).	This value is required. If there is no clear information regarding the project the cell has to be filled with a date regarding the minimum time needed to achieve the objective. The date should not be before 2000 or after 2030. Use the format YYYY-MM-DD.	Datatype: date
3.2.8	flaggExpecDateStartWork (flaggExpecDateStartWork)	Start date or expected start date for works on the collecting systems or IAS.	This value is required. If unknown, the date corresponding to the minimum time needed to achieve the objective should be reported. The date should not be before 2000 or after 2030. Use the format YYYY-MM-DD.	Datatype: date
3.2.9	flaggExpecDateCompletion (flaggExpecDateCompletion)	Expected date of completion of the collecting system or IAS works.	This value is required. If unknown, the date corresponding to the minimum time needed to achieve the objective should be reported. The date should not be before 2000 or after 2030. Use the format YYYY-MM-DD.	Datatype: date
3.2.10	flaggInv (flaggInv)	Forecast investment cost for the collecting system or IAS (as in the national plan)	This value is required. If unknown, estimated value should be provided. Unit: million €	Datatype: decimal Maximum size: 10

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	Column name	Column definition	Methodology	Data specifications
3.2.11	flaggEUFundName (flaggEUFundName)	Name of EU fund planned to be used to complete the collecting system or IAS (if any).	If known at the reference date. European Regional Development Fund (ERDF), Cohesion fund (CF), European Investment Bank (EIB) Loan, European Bank for reconstruction and Development (EBRD) loan, Environmental Protection and Energy Efficiency Fund (EPEEF), European Social Fund (ESF),...	Datatype: string Minimum size: 0 Maximum size: 4096
3.2.12	flaggEUFund (flaggEUFund)	Amount of (planned) EU funds likely to be requested to complete the collecting system or IAS (if any).	If known at the reference date. The amount should not be higher than the forecast investment cost. Unit: million €	Datatype: decimal Maximum size: 10
3.2.13	flaggComments (flaggComments)	Any relevant comment on collecting system or IAS.	Examples: - problems of implementation of remedial measures - change of the project - explanation of the delay of the project - calculation of the cost	Datatype: string Minimum size: 0 Maximum size: 4096
3.2.14	flaggExpLoad (flaggExpLoad)	Expected generated load [p.e.] of the agglomeration at the expected date of compliance.		Datatype: integer Maximum size: 9
3.2.15	flaggExpLoadColl (flaggExpLoadColl)	Expected rate of the generated load [%] of agglomeration collected through collecting systems at the expected date of compliance	The value should be between 0 and 100%.	Datatype: decimal Maximum size: 6
3.2.16	flaggExpLoadIAS (flaggExpLoadIAS)	Expected rate of the generated load [%] of the agglomeration addressed through IAS at the expected date of compliance.		Datatype: decimal Maximum size: 6
3.2.17	flaggOtherFund (flaggOtherFund)	Amount of funds to be allocated likely to complete the collecting system or IAS (if any).	Unit: million €	Datatype: decimal Maximum size: 10
3.2.18	flaggOtherFundName (flaggOtherFundName)	Name of the entity planned to provide fund to complete the collecting system or IAS (if any).		Datatype: string Minimum size: 0 Maximum size: 4096
3.2.19	flaggLoan (flaggLoan)	Amount of loan likely to be granted to complete the collecting system or IAS (if any).	Unit: million €	Datatype: decimal Maximum size: 10
3.2.20	flaggLoanName (flaggLoanName)	Name of the entity planned to give loan to complete the collecting system or IAS (if any).		Datatype: string Minimum size: 0 Maximum size: 4096

3.3 FLAUWWTPs table

Short name FLAUWWTPs

Definition Forward looking aspects-UWWTPS: Disaggregated information on actual reason of non-compliance, specific measures to be taken, expected treatment type and capacity, as well as planned funds.

Short Description Information on treatment plants which are considered non-compliant, or the treatment plants under pending implementation deadlines that do not meet the UWWTD requirements.

Columns in FLAUWWTPs table:

	Column name	Column definition	Methodology	Data specifications
3.3.1	flarepCode (flarepCode)	Report ID, as specified by country	This value is required.	Datatype: string Minimum size: 1 Maximum size: 16
3.3.2	uwwCode (uwwCode)	ID of wastewater treatment plant / collecting system without treatment.	This value is required when there is a not compliant situation under the Article 15 reporting. uwwCode must be unique in the table. First 2 characters must be the 2-alpha character ISO country code (use 'EL' for Greece and 'UK' for the United Kingdom). Do not use characters with accents and other diacritical marks (national characters). Do not use spaces or other spatial characters. The hyphen '-' and the underscore '_' characters are allowed. Each uwwCode must be reported also in the UWWTD Article 15 dataset. It is not possible to have the duplication of the same ID code. All the works concerning a treatment plant have to be aggregated under the same ID code.	Datatype: string Minimum size: 3 Maximum size: 32
3.3.3	uwwName (uwwName)	Name of wastewater treatment plant / collecting system without treatment	This value is required.	Datatype: string Minimum size: 1 Maximum size: 255

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	Column name	Column definition	Methodology	Data specifications
3.3.4	flatpStatus (flatpStatus)	Status of the UWWTP at the reference reporting year (Not compliant/Pending deadlines)	<p>This value is required.</p> <p>By default, if the UWWTP is reported in this table, the status is not compliant (NC). The not compliant situations cover all not compliant UWWTPs at the chosen reference year even if they are not in any specific infringement procedure. It is a way for MS and EU to better communicate at national and EU level about the identified not compliant situations.</p> <p>It is also possible for a Member State to have a Compliant situation in the list if there is a need to follow the renovation of this targeted treatment plant or the work of a new treatment plant which is going to replace it.</p> <p>If the UWWTP is under a pending deadline and it doesn't meet the requirements of the Directive yet, it has to be report as "PD" - pending deadlines.</p>	string codelist: see section 4
3.3.5	flatpReasons (flatpReasons)	Identified reason(s) for non compliance of a waste water treatment plant.	<p>This value is required.</p> <p>If under pending deadlines and the reason is unknown, fill in "not relevant".</p> <p>Examples of answers:</p> <ul style="list-style-type: none"> - discharge of untreated urban waste water from the UWWTP - absence of UWWTP - excess of storm overflows in the UWWTP - absence of secondary/tertiary treatment - absence of nitrogen/phosphorus removal - absence of disinfection - improper design/obsolescence/new requirements/ increase of the load/bad operation 	Datatype: string Minimum size: 0 Maximum size: 4096

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	Column name	Column definition	Methodology	Data specifications
3.3.6	flatpMeasures (flatpMeasures)	Measure(s) to reach the compliance needed for UWWTP.	<p>This value is required.</p> <p>Examples of answers: building a new treatment plant/secondary treatment/more stringent treatment, building of a storm storage reservoir in the UWWTP, renewal of the collecting system/treatment plant, extension of the treatment plant, implementation of article 5.4 of the directive.</p>	<p>Datatype: string</p> <p>Minimum size: 0</p> <p>Maximum size: 4096</p>
3.3.7	flatpExpLoad (flatpExpLoad)	Load [p.e.] entering the UWWTP at the expected date of compliance (as planned).	<p>This value is required.</p> <p>Estimation of the load entering the treatment plant at the expected date of compliance of the agglomeration. This load is calculated as regard the requirement of article 4.4 (maximum average weekly load).</p>	<p>Datatype: integer</p> <p>Maximum size: 9</p>
3.3.8	flatpExpCapacity (flatpExpCapacity)	Organic design capacity UWWTP [p.e.] (as planned).	<p>This value is required.</p> <p>If not known, enter estimation regarding the size of the agglomeration served by the UWWTP.</p>	<p>Datatype: integer</p> <p>Maximum size: 9</p>
3.3.9	flatpExpecTreatment (flatpExpecTreatment)	Type of treatment UWWTP (as planned)	<p>This value is required.</p> <p>Fill in the highest treatment type. The highest (planned) type of treatment should be reported, i.e. if a treatment plant is designed to be equipped with primary, secondary and N and P removal treatment types, only N and P treatment type is reported.</p>	<p>string codelist: see section 4</p>
3.3.10	flatpExpecDateStart (flatpExpecDateStart)	Date or expected date of completion of preparatory measures (planning, design, etc.)	<p>This value is required.</p> <p>If unknown, the date corresponding to the minimum time needed to achieve the objective should be reported The date should not be before 2000 or after 2030.</p> <p>Use the format YYYY-MM-DD.</p>	<p>Datatype: date</p>

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	Column name	Column definition	Methodology	Data specifications
3.3.11	flatpExpecDateStartWork (flatpExpecDateStartWork)	Date or expected start date of construction works	<p>This value is required.</p> <p>If unknown, the date corresponding to the minimum time needed to achieve the objective should be reported. The date should not be before 2000 or after 2030.</p> <p>Use the format YYYY-MM-DD.</p>	Datatype: date
3.3.12	flatpExpecDateCompletion (flatpExpecDateCompletion)	Date or expected date of completion of works	<p>This value is required.</p> <p>If unknown, the date corresponding to the minimum time needed to achieve the objective should be reported. The date should not be before 2000 or after 2030.</p> <p>Use the format YYYY-MM-DD.</p>	Datatype: date
3.3.13	flatpExpecDatePerformance (flatpExpecDatePerformance)	Expected date of compliance (12 months of compliant samples).	<p>This value is required.</p> <p>Usually the 12 months after the former deadline. Can be automatically generated by adding 12 months to the value of "flatpExpecDateCompletion" parameter.</p> <p>Use the format YYYY-MM-DD.</p>	Datatype: date
3.3.14	flatpInv (flatpInv)	Forecast cost investment needed for the UWWTP (as in the national plan).	<p>This value is required.</p> <p>Estimated values have to be provided if not known.</p> <p>Unit: million €</p>	Datatype: decimal Maximum size: 10
3.3.15	flatpEUFundName (flatpEUFundName)	Name of the EU fund planned to be used for the UWWTP (if any)	If known at the reference date.	Datatype: string Minimum size: 0 Maximum size: 4096
3.3.16	flatpEUFund (flatpEUFund)	Amount of (planned) EU funding needed	<p>If known at the reference date. The reported value of the flatpEUFund should not be higher than the forecast value of investment cost.</p> <p>Unit: million €</p>	Datatype: decimal Maximum size: 10

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	Column name	Column definition	Methodology	Data specifications
3.3.17	flatpComments (flatpComments)	Any relevant comment on particular UWWTP	Examples: - problems for implementation of remedial measures - change of the project - explanation of the delay of the project - explanation of the "3other" treatment	Datatype: string Minimum size: 0 Maximum size: 4096
3.3.18	flatpExpLoadTruck (flatpExpLoadTruck)	Expected rate [%] of entering load transported to this UWWTP by truck at the expected date of compliance.	It could have an impact on the design capacity of the treatment. This information has to be know whether or not this UWWTP will receive load coming from trucks. The value should be between 0 and 100%.	Datatype: decimal Maximum size: 18
3.3.19	flatpOtherFund (flatpOtherFund)	Amount of funds likely to be given to complete the UWWTP (if any)	Unit: million €	Datatype: decimal Maximum size: 10
3.3.20	flatpOtherFundName (flatpOtherFundName)	Name of the entity planned to give fund to complete UWWTP (if any)		Datatype: string Minimum size: 0 Maximum size: 4096
3.3.21	flatpLoan (flatpLoan)	Amount of loan likely to be granted to complete the UWWTP (if any)	Unit: million €	Datatype: decimal Maximum size: 10
3.3.22	flatpLoanName (flatpLoanName)	Name of the entity planned to give loan to complete the UWWTP (if any)		Datatype: string Minimum size: 0 Maximum size: 4096

3.4 FLAInvestments table

Short name FLAInvestments

Definition Forward looking aspects: annual information on the cost of implementation, total size of the urban waste water treatment plants, current and expected number of related jobs and other aggregated information.

Short Description Aggregated annual information on the cost of implementation.

Columns in FLAInvestments table:

	Column name	Column definition	Methodology	Data specifications
3.4.1	flarepCode (flarepCode)	Report ID, as specified by country	This value is required.	Datatype: string Minimum size: 1 Maximum size: 16
3.4.2	soecCode (soecCode)	ID Code corresponding to the period covered.	This value is required. soecCode must be unique in the table. Code has to be generated with the code of the country then 'UWWINV' then the beginning year and if the beginning year of the period is different to the last year it has to be added the last year with '_' before. Examples: ATUWWINV2014_2016 or CZUWWINV2015	Datatype: string Minimum size: 1 Maximum size: 32

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	Column name	Column definition	Methodology	Data specifications
3.4.3	soecStartYear (soecStartYear)	Start of the Reference period for which the data is provided	<p>This value is required.</p> <p>The investment information is needed per period (e.g. 1 January 2015 to end 2015 or 1 January 2015 to end 2020). The starting date of each reference period must be in the format XXXX-01-01. Each line concerns the starting date of one period. It is possible to have several periods in the reporting. from 1 January XXXX to end YYYY from 1 January XXXX to end YYYY from 1 January XXXX to end YYYY from 1 January XXXX to end YYYY</p> <p>As the Commission would like to provide comparison between past/current and expected situations and to aggregate this information at EU level, it will intend to use the information from 2020 and 2022 to consider the current situation and from 2023 to 2027 to consider the expected situation. If possible MS are encouraged to include information on specific measures related to: i) storm water overflows; ii) water reuse and iii) sewage sludge use.</p>	Datatype: date

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	Column name	Column definition	Methodology	Data specifications
3.4.4	soecEndYear (soecEndYear)	End of the Reference period for which the data is provided	<p>This value is required.</p> <p>The investment information is needed per period (e.g. 1 January 2015 to end 2015 or 1 January 2015 to end 2020). The end date of each reference period must be in the format YYYY-12-31. Each line concerns the end date of one period. It is possible to have several periods in the reporting. from 1 January XXXX to end YYYY from 1 January XXXX to end YYYY from 1 January XXXX to end YYYY from 1 January XXXX to end YYYY</p> <p>As the Commission would like to provide comparison between past/current and expected situations and to aggregate this information at EU level, it will intend to use the information from 2020 and 2022 to consider the current situation and from 2023 to 2027 to consider the expected situation. If possible MS are encouraged to include information on specific measures related to: i) storm water overflows; ii) water reuse and iii) sewage sludge use.</p>	Datatype: date
3.4.5	soecPeriod (soecPeriod)	Current and / or expected reference period for which the data is provided.	This value is required.	string codelist: see section 4

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	Column name	Column definition	Methodology	Data specifications
3.4.6	soecCapacity (soecCapacity)	Current or expected total organic design capacity of all UWWTPs at the end of the period.	<p>This value is required.</p> <p>Unit: p.e. (population equivalent)</p> <p>For the current situation it can be calculated as a sum of all organic design capacity of the UWWTPs reported under article 15 for compliant and not compliant situations.</p> <p>The expected total organic design capacity can be calculated as the current total design capacity modified by the information on organic design capacity of individual UWWTPs as planned given in the table FLAUWWTPs. The value should include UWWTPs serving agglomeration of less than 2000 p.e. (if available). Explanation of how it is calculated might be added in the comment cell.</p>	<p>Datatype: integer</p> <p>Maximum size: 9</p>
3.4.7	soecInvCol (soecInvCol)	Current or expected investment costs of the collecting systems (new and renewal).	<p>This value is required.</p> <p>Unit: million euros.</p> <p>Values should be reported in euros in current prices. Reference date (in MM/YYYY) and an information whether VAT is included or not should be provided under the "soecInvComments".</p> <p>All investments have to be taken into account (not only the investments addressing the non-compliant situations under the different EU directives). Renovation costs should be included. Method of the investment costs calculation can be specified under the "soecInvComments".</p>	<p>Datatype: decimal</p> <p>Maximum size: 10</p>

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	Column name	Column definition	Methodology	Data specifications
3.4.8	soecInvTp (soecInvTp)	Current or expected investment costs of the treatment plants (new and renewal).	<p>This value is required.</p> <p>Unit: million euros</p> <p>Values should be reported in euros in current prices. Reference date (in MM/YYYY) and an information whether VAT is included or not should be provided under the "soecInvComments". All investments have to be taken into account (not only the investments addressing the non-compliant situations under the EU directives). Renovation costs should be included. Method of the investment costs calculation can be added in the comment cell "soecInvComments".</p>	<p>Datatype: decimal</p> <p>Maximum size: 10</p>
3.4.9	soecInvComments (soecInvComments)	Any relevant comment on this table	<p>Examples: calculation of total design capacity, amount of investment whether VAT is included or not,...)</p>	<p>Datatype: string</p> <p>Minimum size: 0</p> <p>Maximum size: 4096</p>
3.4.10	soecInvIAS (soecInvIAS)	Current of expected Investment costs of the IAS	<p>Unit: million euros.</p> <p>Values should be reported in million euros in current prices. Reference date (in MM/YYYY) and an information whether VAT is included or not should be provided under the "soecInvComments". The value may be added if not included in the "current or expected costs of the collecting systems (new and renewal)".</p>	<p>Datatype: decimal</p> <p>Maximum size: 10</p>
3.4.11	soecOpCosts (soecOpCosts)	Current or expected operating costs of the collecting systems and UWWTPs without amortization of investments.	<p>Unit: million euros</p> <p>Values should be reported in million euros in current prices. Reference date (in MM/YYYY) and an information whether VAT has been included or not should be provided under the "soecInvComments".</p>	<p>Datatype: decimal</p> <p>Maximum size: 10</p>
3.4.12	soecEUFunds (soecEUFunds)	Current or expected EU funds (if applicable)	<p>Unit: million euros.</p>	<p>Datatype: decimal</p> <p>Maximum size: 10</p>

Data Dictionary

Dataset specification for Urban Waste Water Treatment Directive reporting under Article 17 * Version October 2023* created 18/06/2024

	Column name	Column definition	Methodology	Data specifications
3.4.13	soecJobs (soecJobs)	Current or expected number of Jobs in the waste water field.	If not known only for urban waste water policy, use Eurostat statistic on waste water management in the goods and services sector: http://ec.europa.eu/eurostat/web/environment/environmental-goods-and-services-sector/database	Datatype: integer Maximum size: 9
3.4.14	soecLenghtCoCs (soecLenghtCoCs)	Lenght of combined sewer systems	Unit: km	Datatype: decimal Maximum size: 10
3.4.15	soecLenghtSaCs (soecLenghtSaCs)	Lenght of sanitary sewer systems.	Unit: km	Datatype: decimal Maximum size: 10
3.4.16	soecLenghtStCs (soecLenghtStCs)	Lenght of storm drainage systems	Unit: km	Datatype: decimal Maximum size: 10
3.4.17	soecNumblAS (soecNumblAS)	Number of IAS in the country	Provide the number of IAS included those for isolated areas	Datatype: integer Maximum size: 9
3.4.18	soecPop (soecPop)	Population of the country at the reference year	Provide the population of the country at the reference year.	Datatype: integer Maximum size: 9

4. Codelists

4.1 Non-common Elements Codelists

4.1.1 Codelists for FLAAgglomerations table

4.1.1.1 flaggStatus (Released at 20 Feb 2024) codelist

Code	Definition	Label
C		Compliant (expired deadline)
NC		Not compliant (expired deadline)
PD		Pending deadlines

4.1.2 Codelists for FLAUWWTPs table

4.1.2.1 flatpStatus (Released at 20 Feb 2024) codelist

Code	Definition	Label
C		Compliant (expired deadline)
NC		Not compliant (expired deadline)
PD		Pending deadlines

4.1.2.2 flatpExpecTreatment (Released at 20 Feb 2024) codelist

Code	Definition	Label
1		primary treatment
2		secondary treatment
3m		more stringent disinfection
3N		more stringent nitrogen removal
3Nm		more stringent nitrogen removal and disinfection
3NP		more stringent nitrogen and phosphorus removal
3NPm		more stringent nitrogen and phosphorus removal and disinfection
3other		any other more stringent treatment (please provide an explanation in the flatpComments field)
3P		more stringent phosphorus removal
3Pm		more stringent phosphorus removal and disinfection

4.1.3 Codelists for FLAInvestments table

Data Dictionary

Dataset specification for Urban Waste Water Treatment Directive reporting under Article 17 * Version October 2023* created 18/06/2024

4.1.3.1 soecPeriod (Released at 20 Feb 2024) codelist

Code	Definition	Label
CU		current
EXP		expected
P		past

4.2 Common Elements Codelists