



Detailed assessment of Waste Management Plans First batch

Service Request under the Multiple Framework Contract with re-opening of competition "Assistance to the Commission on the assessment of Waste Management Plans and on compliance monitoring and support of the implementation of the Waste Framework Directive"

Reference: ENV.C.2/FRA/2013/0023

Final report

January – 2016



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Luxembourg: Publications Office of the European Union, 2016

ISBN 978-92-79-56816-9
doi:10.2779/95980

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European Commission



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Final report

26 January 2016



CLIENT	European Commission DG Environment Unit C.2 – Waste Management Avenue de Beaulieu 29, BU29 - 06/037 B-1160 Brussels, Belgium
REPORT TITLE	Final report
Date	26 January 2016
PROJECT	Detailed assessment of Waste Management Plans – first batch <i>Service Request under the Multiple Framework Contract with re-opening of competition “Assistance to the Commission on the assessment of Waste Management Plans and on compliance monitoring and support of the implementation of the Waste Framework Directive”, Reference: ENV.C.2/FRA/2013/0023.</i>
Project team	The project has been performed by BiPRO GmbH in cooperation with the Copenhagen Resource Institute (CRI) and Oakdene Hollins. Assessments of selected waste management plans have also been performed by ENVIRON, ENVIROPLAN, Geotest, G-advisory, and Stockholm Environment Institute (SEI)
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Disclaimer	The report is based on the assessment of 47 national and regional WMPs during the period January 2014 to December 2015. All information as included in the report presents the status of each WMP at the time of assessment. This report has been prepared for the European Commission in accordance with the associated contract. It must be stressed that the views expressed in this report which are not otherwise assigned are those of the authors and are not necessarily shared by the European Commission. Please refer to this report as: <i>EC BiPRO 2016, Detailed assessment of Waste Management Plans – first batch, Final report, January 2016.</i>

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Glossary and abbreviations

Abbreviation	Explanation
CA	Competent Authority
C&D waste	Construction and demolition waste
EC	European Commission
ELV	End-of-life vehicle
EU	European Union
kg	kilogram
MBT	Mechanical Biological Treatment
MSW	Municipal Solid Waste
MS	Member State
n.a.	not applicable
PAYT	Pay-as-you-throw
t	tonnes
WEEE	Waste electrical and electronic equipment
WFD	Waste Framework Directive
WMP	Waste Management Plan
WPP	Waste Prevention Programme

1 Background and objectives

Proper legal implementation, application and practical enforcement of EU waste legislation are key priorities of EU environmental policy, in order to comply with the obligation of the EU Commission to ensure and oversee the application of EU legislation according to the Treaty of the European Union (TFEU). In this regard, **waste management planning** is one of the key tools for authorities to convert the principles of EU waste legislation at national, regional and local level within their Member State.

The Member States' authorities are therefore obliged to establish in accordance with Articles 1, 4, 13 and 16 of the Waste Framework Directive (WFD)¹ one or more **waste management plans (WMP)**. The plans shall – alone or in combination – cover the entire geographical territory of the Member State concerned. The plan(s) shall set out an analysis of the current waste management situation in the geographical entity concerned, as well as the measures to be taken with respect to environmentally sound preparation for re-use, recycling, recovery and disposal of waste and an evaluation of how the plan will support the implementation of the objectives and provisions of the Directive. **Article 28 of the WFD** defines both the **mandatory and optional requirements and the content of the WMP**. In addition Article 29 requires the establishment of a waste prevention programme (WPP), integrated either into the WMP, into other environmental programs or as a separate programme. Furthermore, Member States shall inform the Commission of the WMP and WPP and of its revisions.

The aim of the project has been to assist the Commission in the **assessment of the completeness and conformity of waste management plans** at national, regional and local level, as well as sectoral plans, if necessary, with the legal requirements of the Waste Framework Directive and other key EU waste legislation. The objective was to identify a list of essential gaps and provide recommendations that would ensure that these plans fulfil the requirements and objectives of the EU waste legislation. The assessment exercise has been part of a broader strategy with the objectives to improve compliance and implementation of EU waste legislation and to provide support to Member States in their efforts to improve compliance. Further, the assessment of the WMPs is an important factor to be considered in the context of applications for EU regional funding.

¹ Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directives (OJ L 312, 22.11.2008, p. 3).

2 Approach and assessment methodology

The waste management plans (WMPs) have been assessed alongside a set of evaluation criteria reflecting the applicable legislation, taking into account the geographical levels at which WMPs can be developed (national, regional, local) and the connections and coherence between the sub-national and national WMPs.

The assessment methodology was based on the following requirements:

- simple and straight forward in order to summarise the content of the WMPs and the results of the WMP assessment;
- enable an easy and quick comparison between the various WMPs;
- repeatable for future WMP assessments;
- include an overall qualitative assessment.

For each WMP under assessment a detailed evaluation and a summary report have been prepared.

Detailed evaluation report

The detailed evaluation report includes 6 chapters:

- Chapter 1: Evaluation factsheet
- Chapter 2: Open questions to Competent Authority
- Chapter 3: Assessment (overview of results of assessed criteria)
- Chapter 4: Overall rating
- Chapter 5: Conclusions and recommendations
- Chapter 6: Information sources

In the detailed evaluation report (chapter 1), the following information as included in the WMP was summarised and rated within 11 sub-chapters (**rating, whether information is sufficiently included or not**):

- **General information**

Alongside four assessment criteria it was evaluated, whether the following basic information on the WMP is mentioned or not: application period and legal adoption / review period / competent authority for drafting WMP / competent authority for implementing WMP

- **Level coherence check**

In case that waste management planning is carried out at different administrative levels (national plus regional/local), it was assessed which issues are covered at which administrative level. Further, in some countries, certain waste sectors/streams, e.g. industrial, hazardous or C&D waste, are covered within sector specific plans. Therefore, it has been checked whether such sector plans exists and if they are complementary to the WMP. The following 19 criteria (referred to as “waste management issues” in this report) have been developed for carrying out the level coherence check:

General waste management policies, strategy / type, quantity and source of waste, estimation of waste amounts, developments and forecasts / existing waste collection schemes and assessment of new collection schemes / major disposal and recovery installations / planning for additional waste infrastructure (including capacity planning) / closure of existing installations / location criteria for site identification / shipments of waste / special arrangements (at least for waste oils and hazardous waste) / coverage of the relevant waste streams at different administrative levels: municipal waste, packaging waste, biodegradable waste, hazardous waste, batteries and accumulators, WEEE, waste oils, ELVs, C&D waste, and industrial waste (not to be rated)

- **Compliance check**

Alongside 18 assessment criteria it was evaluated, whether information as required under the Waste Framework Directive is included or not: definition, type, source of municipal waste generated / waste amounts / future waste arisings / existing waste collection schemes / major disposal and recovery installations / waste shipments / special arrangements / assessment of the need for new collection schemes / additional waste installations infrastructure / capacity of future disposal and major recovery installations / location criteria for site identification / closure of existing waste installations / description of waste policies / planned waste management technologies or methods / policies for waste posing specific management problems / evaluation of WMP / packaging waste / biodegradable municipal waste

- **Information on fulfilment of targets and requirements**

Alongside 11 assessment criteria it was evaluated, whether distance to target information on targets and requirements based on the WFD and the connected waste legislation is included or not: separate collection / preparing for re-use and recycling of municipal waste / pre-treatment of municipal waste before landfilling / packaging waste / construction and demolition waste / biodegradable waste / WEEE / batteries and accumulators / waste oils / hazardous waste / ELVs / other targets

- **Information on waste streams**

In this section it was evaluated, whether information on relevant waste streams is included or not:

- Municipal waste: definition, type, source of municipal waste generated / waste amounts / trends in waste arisings over last years / existing waste collection schemes / major disposal and recovery facilities / information on treatment options following the waste hierarchy / historical contaminated waste disposal sites / measures for rehabilitation / organisational aspects related to complete municipal waste management
- All other waste streams (packaging waste, biodegradable waste, hazardous waste, batteries /accumulators, WEEE, waste oils, ELVs, C&D waste, industrial waste): type and source of waste generated / waste amounts / trends of waste generation over last years / existing waste collection schemes / information on treatment options following the waste hierarchy

- **Information on policy instruments**

In this section it was evaluated, whether sufficient information on applied and planned policy instruments is included or not: identification of set of instruments / evaluation of usefulness and suitability / economic instruments / legal instruments / administrative instruments / informative instruments

- **Check against waste model**

Comparison of forecast (treatment infrastructure and targets) as included in the WMP with the European Waste Modelling Tool on Waste Generation and Management scenarios

- **Robustness check**

In this section it was evaluated, whether the WMP includes sufficient information on data sources/ how assumptions were made: timeliness of data on municipal waste generation / time-lines for waste generation / primary data and information sources on municipal waste generation / data and information sources for status-quo of waste collection and treatment facilities / method or model for prognosis of municipal waste generation / method or model for municipal waste collection and treatment capacity forecasting

- **Inner logic check**

In this section it was evaluated, whether conclusions/ recommendations and the future planning as laid down in the WMP are consistent/ coherent/ stringent with the data/ information on the status quo as provided in the plan: waste data / identification of main problems in connection with waste data provided in the WMP / measures to address main problems

- **Check on waste prevention programme**

Evaluation of the coherence of the WPP and the WMP: Consistency of baseline data and indicators, quantitative targets

- **Check against official EUROSTAT data**

Comparison of WMP data with EU statistics: municipal waste amounts and treatment options (for information purpose only, not rated)

The **evaluation results of all assessment criteria** as listed above have been **summarised** in the following **four assessment categories** (chapter 3 of detailed evaluation report):

- (1) Compliance assessment:** check, whether information is coherent to its administrative level and if the mandatory requirements as included in the Waste Framework Directive are reflected completely in the WMP.

Chapter of detailed assessment report		YES: ✓	NO: ✗
1.2	Waste management planning structure is coherent between levels .	✓	✗
1.3	WMP is compliant	✓	✗
Result: WMP is compliant (in case both elements answered with YES or in case element 1.3 answered with YES and element 1.2 answered with n.a.)		✓	✗

- (2) Assessment of the fulfilment of targets/requirements:** check, whether information on the fulfilment of targets/requirements of relevant EU waste legislation is included in the plan (distance to target information)

Chapter of detailed evaluation report		Information is included	Information is NOT included	Information is included but not sufficient
1.4	Information about targets/requirements	✓	✗	✗

- (3) Viability assessment:** check, whether the plan provides for additional information going beyond the mandatory elements of the WFD (as assessed in the “compliance assessment”), such as optional elements as included in Article 28 (4) of the WFD.

Chapter of detailed evaluation report		Information is included	Information is NOT included	Information is included but not sufficient
1.1	General information	✓	✗	✗
1.5	Municipal waste	✓	✗	✗
	Packaging waste	✓	✗	✗
	Biodegradable waste	✓	✗	✗
	Hazardous waste	✓	✗	✗
	Batteries /accumulators	✓	✗	✗
	WEEE	✓	✗	✗
	Waste oils	✓	✗	✗
	ELVs	✓	✗	✗
	C&D waste	✓	✗	✗
	Industrial waste (not rated)	✓	✗	✗
1.6	Policy instruments are described	✓	✗	✗
Result: WMP is viable		YES: ✓	NO: ✗	
		✓	✗	

(4) Credibility assessment: check whether data and information as included in the WMP are similar to the waste model and are robust and logic, including the check on the waste prevention programme.

Chapter of detailed evaluation report		Information NOT available	YES: ✓	NO: ✗
1.7	Forecast of MSW as included in the WMP is similar to waste model	✗	✓	✗
1.8	Data and forecasts in WMP are considered as robust	✗	✓	✗
1.9	WMP shows inner logic	✗	✓	✗
1.10	WMP and WPP are consistent	✗	✓	✗
Result: WMP is credible			✓	✗

The figure below illustrates the structure of the overall assessment:

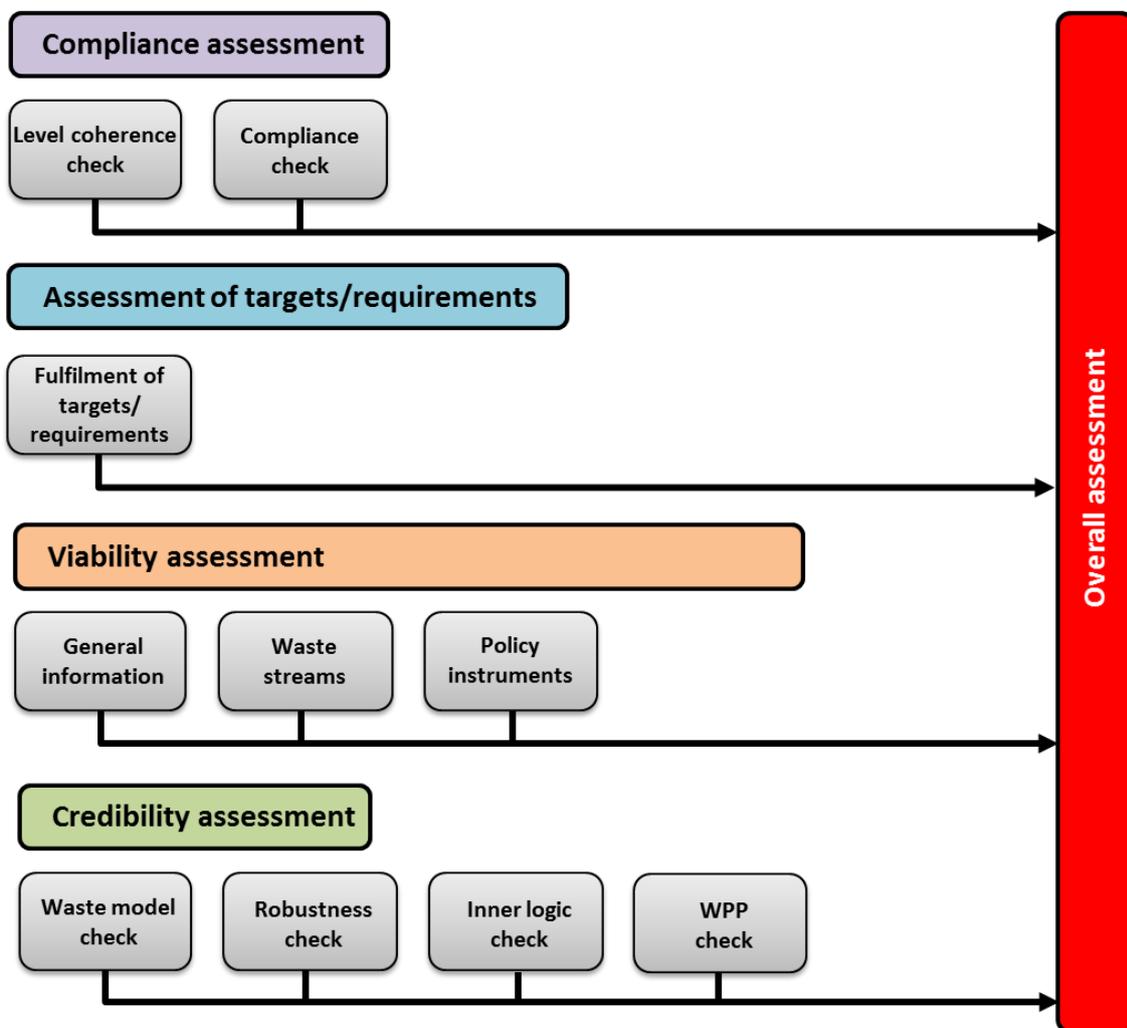


Figure 1: Structure of the overall assessment

Overall rating (chapter 4 of detailed evaluation report)

For the **overall rating** of the WMP, the four assessment steps as described above have been combined, resulting in three overall assessment categories:

- “Substandard” (**not** passing the compliance assessment)
- “Adequate” (passing **at least** the compliance assessment)
- “Surpassing” (passing **all** four assessment steps)

The figure below illustrates the **overall rating scheme** based on the **three overall assessment categories**. More detailed information on the criteria assessed within the different assessment steps is provided in chapter 4 of this report respectively addressed in the Annex.

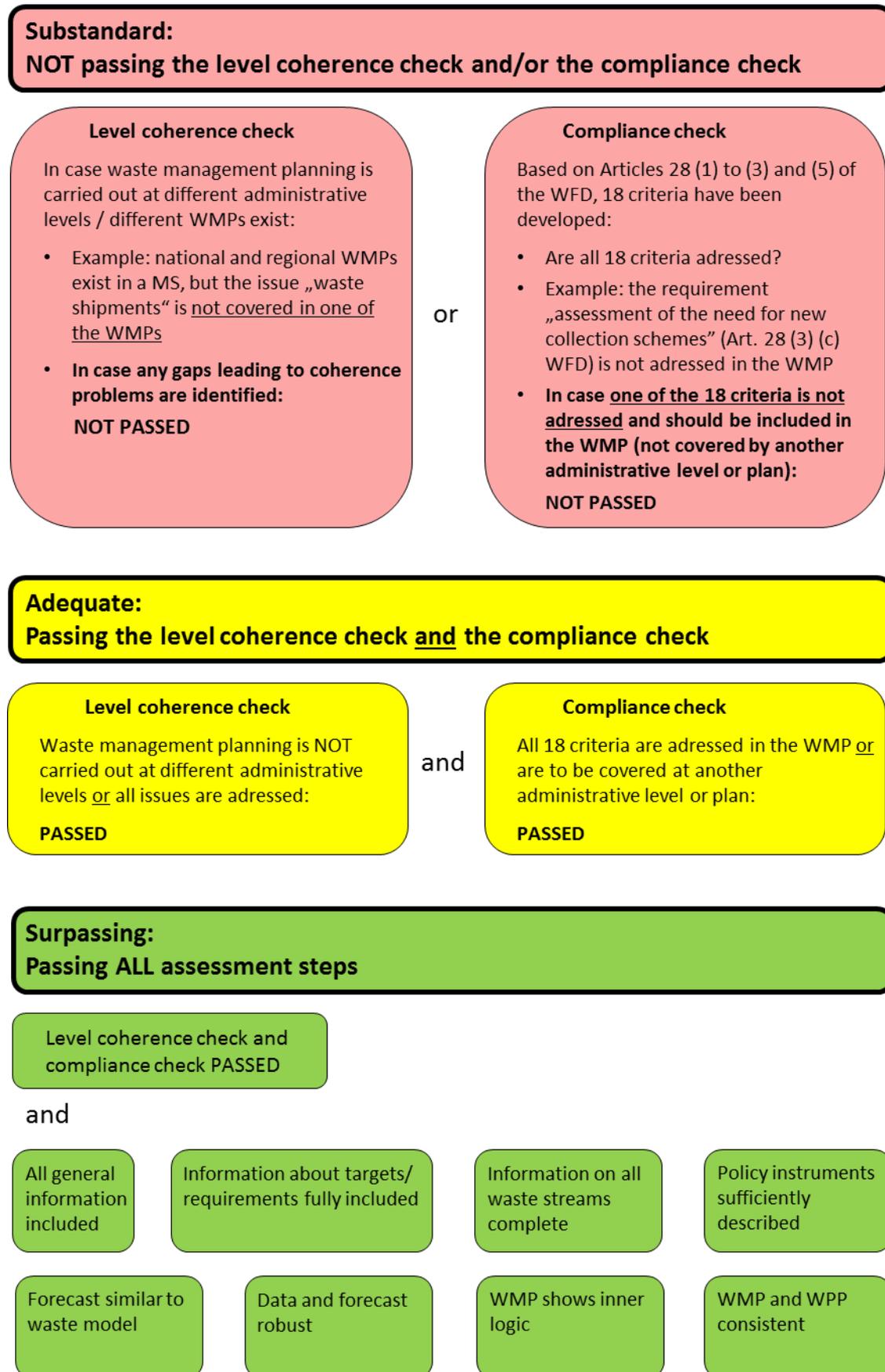


Figure 2: Combination of the four assessment steps into three assessment categories

Involvement of Competent Authorities (CA)

To ensure an appropriate analysis of the WMPs, a draft version of the detailed evaluation report including a short project description has been sent to each CA responsible for drafting the WMP to give the CAs the possibility to comment on the presentation of information as well as the findings of the report and to answer open questions (chapter 2 of the detailed evaluation report). In case the CA did not comment on the assessment, the assessment was considered to be accepted. Comments of the CAs have been taken into account to prepare the final versions of the evaluation reports, information included by CAs are cited as “additional information provided by CA” in each report.

In addition, the final versions of the evaluation reports have been sent to the CAs to inform them about the final results and to support them in further improving the waste management planning in their territory by providing specific recommendations how to improve the plan (chapter 5 of the detailed evaluation report).

Selection of WMPs

The selection of WMPs to be assessed was carried out by the European Commission, supported by BiPRO GmbH (see following chapter 3).

3 WMPs selected for assessment

In total, 47 WMPs from 18 different EU Member States have been selected for assessment within the project. The table below provides an overview of WMP assessments by Member State and administrative level (national, regional, and local):

Table 1: Overview of WMP assessments per Member State and administrative level

Member State		Total number of WMP assessments	Level			Remark
			National	Regional	Local	
BG	Bulgaria	1	1	-	-	
CY	Cyprus	1	1	-	-	
CZ	Czech Republic*	2	2	-	-	* draft WMP + legally adopted version of WMP
DE	Germany	1	-	1	-	
EE	Estonia	4	1	2	1	
ES	Spain	7	1	6	-	
FR	France	2	-	2	-	
GR	Greece*	2	2	-	-	* draft WMP 2014 - 2020 (not adopted) and new (adopted) WMP
HU	Hungary	1	1	-	-	
IT	Italy	5	-	5	-	
LT	Lithuania	4	1	3	-	
LV	Latvia	1	1	-	-	
MT	Malta	1	1	-	-	
PL	Poland	9	1	8	-	
PT	Portugal*	2	2	-	-	* National Waste Management Plan 2014-2020 (PNGR) and Strategic Plan for Municipal Waste 2020 (PERSU); WMP PERSU is referred to as national WMP, but covers mainland PT only
SI	Slovenia	1	1	-	-	
SK	Slovakia	1	1	-	-	
UK	United Kingdom	2	-	2	-	
Total		47	17	29	1	

Table 2 below includes a more detailed overview of all 47 WMPs under assessment stating the name of the WMP and the application period², the status of the version under assessment (draft or final version), as well as information on waste types covered.

² Please note: for those WMPs not indicating an application period, only the (estimated) year of legal adoption is indicated; in accordance with Article 30 of WFD, it is assumed that those WMPs will be evaluated at least every sixth year.

Table 2: Detailed overview of WMPs under assessment

MS	National/ regional/ local WMP	Name of WMP (application period)	Version under assessment	Waste types covered (at least to certain extent)	Available web link
BG	National	<p>National language Национален план за управление на отпадъците за периода 2014-2020 г.</p> <p>English Waste management plan for the period 2014-2020</p>	Legally adopted version	Municipal waste, packaging waste, biodegradable waste, hazardous waste, batteries / accumulators, WEEE, waste oils, ELVs, C&D waste, industrial waste	<p>National language http://www.moew.government.bg/?show=top&cid=376&lang=bg</p> <p>English http://www.moew.government.bg/?show=top&cid=376&lang=en</p>
CY	National	<p>National language Σχέδιο Διαχείρισης Δημοτικών Αποβλήτων 2014-2020</p> <p>English Municipal Waste Management Plan 2014-2020</p>	Draft version	<p>Municipal waste, packaging waste, biodegradable waste, batteries / accumulators, WEEE</p> <p>Not covered Hazardous waste, waste oils, ELVs, C&D waste, Industrial waste</p>	N/A
CZ	National	<p>National language Plán odpadového hospodářství České republiky na období 2015 – 2024, verze k 2.5.2014 (draft version)</p> <p>English Waste Management Plan of the Czech Republic for the Period 2015 – 2024, version as of 2.5.2014 (for Strategic Environmental Assessment (SEA)) (draft version)</p>	Draft version	<p>Municipal waste, packaging waste, biodegradable waste, hazardous waste, batteries / accumulators, WEEE, waste oils, ELVs, C&D waste</p> <p>Not covered industrial waste</p>	<p>National language http://www.mzp.cz/C1257458002F0DC7/cz/news_1405_06_Plan_odpady/\$FILE/Plan_odpadoveho_hospodarstvi-060514.pdf</p>

MS	National/ regional/ local WMP	Name of WMP (application period)	Version under assessment	Waste types covered (at least to certain extent)	Available web link
CZ	National	National language Plán odpadového hospodářství České republiky na období 2015 – 2024 (adopted version) English Waste Management Plan of the Czech Republic for the period 2015 – 2024 (adopted version)	Legally adopted version	Municipal waste, packaging waste, biodegradable waste, hazardous waste, batteries / accumulators, WEEE, waste oils, ELVs, C&D waste Not covered industrial waste	National language http://www.mzp.cz/cz/poh_cr_prislusne_dokumenty (full version) http://www.mzp.cz/C1257458002F0DC7/cz/poh_cr_prislusne_dokumenty/\$FILE/OODP-Narizeni_vlady_o_POH_CR-20150113.pdf (legally binding part) English http://www.mzp.cz/cz/plan_odpadoveho_hospodarstvi_ai
DE	Regional / Rhineland-Palatinate	National language Abfallwirtschaftsplan Rheinland-Pfalz 2013 – Teilplan Siedlungsabfälle (2013) English Waste Management Plan Rhineland-Palatinate 2013 – Municipal waste (2013)	Legally adopted version		National language http://www.mwkel.rlp.de/File/AWP-Rheinland-Pfalz-2013-Endversion-pdf
EE	National	National language Riigi Jäätmekava 2014-2020 English National Waste Management Plan 2014-2020	Final version	Municipal waste, packaging waste, biodegradable waste, hazardous waste, batteries / accumulators, WEEE, ELVs, C&D waste, industrial waste Not covered waste oils	National language http://www.envir.ee/et/eesmargid-tegevused/jaatmed/riigi-jaatmekava-2014-2020
EE	Joint municipal plan / Kanepi, Kõlleste, Laheda, Valgjärve and Vastse-Kuuste Parish	National language Kanepi, Kõlleste, Laheda, Valgjärve, Vastse-Kuuste valla ühine jäätmekava 2012-2016 English Joint Waste Management Plan for Kanepi, Kõlleste, Laheda, Valgjärve, Vastse-Kuuste Parish 2012-2016	Legally adopted version	Municipal waste, packaging waste, biodegradable waste, hazardous waste, batteries / accumulators, WEEE, C&D waste Not covered waste oils, ELVs, industrial waste	National language http://www.laheda.ee/?id=586

MS	National/ regional/ local WMP	Name of WMP (application period)	Version under assessment	Waste types covered (at least to certain extent)	Available web link
EE	Local / Tallinn city	National language Tallinna jäätmekava 2012-2016 English Tallinn Waste Management Plan 2012-2016	Legally adopted version	Municipal waste, packaging waste, biodegradable waste, hazardous waste, batteries / accumulators, WEEE, C&D waste Not covered waste oils, ELVs, industrial waste	National language https://oigusaktid.tallinn.ee/?id=3001&aktid=121396
EE	Joint municipal plan / Valga County	National language Valgamaa omavalitsuste ühine jäätmekava 2011-2016 English Joint Waste Management Plan for Valga County Municipalities 2011-2016	Legally adopted version	Municipal waste, packaging waste, biodegradable waste, hazardous waste, batteries / accumulators, WEEE, C&D waste Not covered Waste oils, ELVs, industrial waste	National language https://www.riigiteataja.ee/akti/isa/4191/1201/2016/Valgamaa_omavalitsuste_uhine%20jaatmekava%20aastateks%202011%20-%202016%20.pdf#
ES	National	National language Plan Nacional Integrado de Residuos (2008-2015) English Integrated Waste National Plan (2008-2015)	Legally adopted version	Municipal waste, packaging waste, biodegradable waste, hazardous waste, batteries / accumulators, WEEE, C&D waste, waste oils, ELVs Not covered Industrial waste	National language http://www.boe.es/boe/dias/2009/02/26/pdfs/BOE-A-2009-3243.pdf
ES	Regional / Castilla y León	National language Plan Integral de Residuos de Castilla y León (2014) English Integrated waste management Plan of Castilla y León (2014)	Legally adopted version	Municipal waste, packaging waste, batteries / accumulators, WEEE, waste oils, ELVs, C&D waste, industrial waste Not covered Biodegradable waste, hazardous waste	National language http://www.jcyl.es/web/jcyl/binarios/169/1010/PIRCYL%2013.3.2014.pdf?blobheader=application%2Fpdf%3Bcharset%3DUTF-8&blobnocache=true
ES	Regional / Aragón	National language Propuesta de Plan de Gestión Integral de Residuos de Aragón 2014-2019 English Proposal of Integral Waste Management Plan of Aragón 2014-2019	Draft version	Municipal waste, packaging waste, biodegradable waste, hazardous waste, batteries / accumulators, WEEE, waste oils, ELVs, C&D waste, industrial waste	National language http://www.aragon.es/DepartamentosOrganismosPublicos/Departamentos/AgriculturaGanaderiaMedioAmbiente/AreasTematicas/MA_Residuos/ci.01_Plan_Gestion_Integral_Residuos.detalleDepartamento

MS	National/ regional/ local WMP	Name of WMP (application period)	Version under assessment	Waste types covered (at least to certain extent)	Available web link
ES	Regional / Andalucía	National language Plan Director Territorial de Residuos No Peligrosos de Andalucía 2010 – 2019 English Regional plan of non-hazardous waste of Andalucía 2010 – 2019	Legally adopted version	Municipal waste, packaging waste, biodegradable waste, batteries / accumulators, WEEE, C&D waste, industrial waste Not covered ELVs, Waste oils, Hazardous waste	National language http://www.juntadeandalucia.es/medioambiente/portal_web/web/temas_ambientales/residuos/Gestion_De_Los_Residuos_Solidos/Residuos_urbanos/2010_11_02_plan_rnpa.pdf
ES	Regional / Asturias	National language Plan Estratégico de Residuos del Principado de Asturias 2014-2024 English Strategic Waste Plan of Asturias 2014-2024	Legally adopted version	Municipal waste, packaging waste, biodegradable waste, hazardous waste, batteries / accumulators, WEEE, waste oils, ELVs, C&D waste, industrial waste	National language http://www.asturias.es/medioambiente/PERPA_DocFinan_Marzo2014vf.pdf
ES	Regional / Basque Country	National language Plan de Prevención y Gestión de Residuos de la Comunidad Autónoma del País Vasco // Hondakinak prebenitzeko eta kudeatzeko plana (2014 – 2020) English Waste Prevention and Management Plan of The Basque Country (2014 – 2020)	Final version	Municipal waste, packaging waste, biodegradable waste, hazardous waste, batteries / accumulators, waste oils, C&D waste, industrial waste Not covered WEEE, ELVs	National language http://www.ingurumena.ejgv.euskadi.net/informacion_publica/plan-de-prevencion-y-gestion-de-residuos-de-la-capv-2020/r49-564/es/
ES	Regional / Galicia	National language Plan de Gestión de Residuos Urbanos de Galicia (PGRUG 2010-2020) English Municipal Waste Management Plan of Galicia 2010-2020	Legally adopted version	Municipal waste, packaging waste, biodegradable waste, batteries / accumulators, WEEE, waste oils Not covered Hazardous waste, ELVs, C&D waste, Industrial waste	National language http://sirga.cmati.xunta.es/c/document_library/get_file?folderId=190428&name=DLFE-16056.pdf

MS	National/ regional/ local WMP	Name of WMP (application period)	Version under assessment	Waste types covered (at least to certain extent)	Available web link
FR	Regional / La Réunion	National language Projet de Plan de Prévention et de Gestion des Déchets Non Dangereux (PPGDND)- Département de La Réunion (2015) English Draft of the non-hazardous waste prevention and management plan – Department of La Réunion (2015)	Draft version	Municipal waste, packaging waste, biodegradable waste Not covered hazardous waste, batteries / accumulators, WEEE, waste oils, ELVs, C&D waste, industrial waste	Not available
FR	Regional / Martinique	National language Projet de Plan de Prévention et de Gestion des Déchets non Dangereux de la Martinique (2015) English Draft of the Non-hazardous Waste Prevention and Management Plan of Martinique (2015)	Draft version (information of CA on final version included)	Municipal waste, packaging waste, biodegradable waste Not covered hazardous waste, batteries / accumulators, WEEE, waste oils, ELVs, C&D waste, industrial waste	Not available
GR	National (old WMP, not legally adopted, new WMP drafted, see below)	National language Αναθεώρηση Εθνικού Σχεδιασμού Διαχείρισης Αποβλήτων (2014 – 2020) English Revision of National Waste Management Plan (2014 – 2020)	Draft (replaced by new WMP, see below)	Municipal waste, packaging waste, biodegradable waste, hazardous waste, batteries / accumulators, WEEE, waste oils, ELVs, C&D waste, industrial waste	National language http://www.ypeka.gr/Default.aspx?tabid=238&language=el-GR
GR	National (new WMP)	National language Αναθεώρηση Εθνικού Σχεδιασμού Διαχείρισης Αποβλήτων ΕΘΝΙΚΟ ΣΧΕΔΙΟ ΔΙΑΧΕΙΡΙΣΗΣ ΑΠΟΒΛΗΤΩΝ (2015 – 2020) English National Waste Management Plan (2015 – 2020)	Legally adopted version	Municipal waste, packaging waste, biodegradable waste, hazardous waste, batteries / accumulators, WEEE, waste oils, ELVs, C&D waste, industrial waste	National language http://www.opengov.gr/minenv/wp-content/uploads/downloads/2015/06/paragogikhsanasygkrothsh.pdf

MS	National/ regional/ local WMP	Name of WMP (application period)	Version under assessment	Waste types covered (at least to certain extent)	Available web link
HU	National	National language Országos Hulladékgazdálkodási Terv 2014-2020 English National Waste Management Plan 2014-2020	Legally adopted version	Municipal waste, packaging waste, biodegradable waste, hazardous waste, batteries / accumulators, WEEE, waste oils, ELVs, C&D waste, industrial waste	National language http://videkstrategia.kormany.hu/download/c/96/90000/Orszagos%20Hulladeggazdalkodasi%20Terv%202014-2020.pdf
IT	Regional / Emilia-Romagna	National language Piano Regionale di Gestione dei Rifiuti (2014 – 2020) English Regional Waste Management Plan (2014 – 2020)	Legally adopted version	Municipal waste, packaging waste, biodegradable waste, hazardous waste, WEEE, waste oils, ELVs, C&D waste, industrial waste Not covered Batteries / accumulators	National language http://ambiente.regione.emilia-romagna.it/rifiuti/temi/piani-e-programmi/piani-e-programmi-1
IT	Regional / Marche	National language PIANO REGIONALE DI GESTIONE DEI RIFIUTI (2014 – 2020) English Regional Waste Management Plan (2014 – 2020)	Legally adopted version	Municipal waste, packaging waste, biodegradable waste, hazardous waste, batteries / accumulators, WEEE, waste oils, ELVs, C&D waste, industrial waste	National language http://www.norme.marche.it/Delibere/2015/DGR0034_15.pdf
IT	Regional / Tuscany	National language Piano regionale di gestione dei rifiuti e bonifica dei siti inquinati “Prevenzione, Riciclo e Recupero” (2012 – 2020) English Regional waste management and contaminated site remediation plan “Prevention, Recycling and Recovery” (2012 – 2020)	Legally adopted version	Municipal waste, packaging waste, biodegradable waste, hazardous waste, WEEE, C&D waste, industrial waste Not covered batteries / accumulators, waste oils, ELVs	National language http://www.regione.toscana.it/-/piano-regionale-di-gestione-dei-rifiuti-e-bonifica-dei-siti-inquinati

MS	National/ regional/ local WMP	Name of WMP (application period)	Version under assessment	Waste types covered (at least to certain extent)	Available web link
IT	Regional / Umbria	National language PIANO REGIONALE DI GESTIONE DEI RIFIUTI (2009) ADEGUAMENTO DEL PIANO REGIONALE DI GESTIONE DEI RIFIUTI (2015) English Regional Plan for Waste Management (2009), Amendment (“substantial revision”) of the Regional Plan for Waste of 2009 (2015)	Legally adopted version	Municipal waste, packaging waste, biodegradable waste, hazardous waste, batteries / accumulators, WEEE, waste oils, ELVs, C&D waste, industrial waste	National language 2009: http://www.regione.umbria.it/documents/18/1233424/PRGR01+-+Piano+regionale+di+gestione+dei+rifuti/c45c66f9-7567-4257-a1ba-63523cf585f9;jsessionid=3D505CC16FDB1AB9678EDA0685B609D8?version=1.1 2015: http://www.regione.umbria.it/documents/18/616096/Adeguamento+Piano+Regionale+Rifuti/6e52039d-ff80-48b1-b051-ad1740d9dede?version=1.0
IT	Regional / Veneto	National language Piano regionale di gestione dei rifiuti urbani e speciali (2014 – 2020) English Regional Waste Management Plan (2014 – 2020)	Legally adopted version	Municipal waste, packaging waste, biodegradable waste, hazardous waste, batteries / accumulators, WEEE, waste oils, ELVs, C&D waste, industrial waste	National language http://bur.regione.veneto.it/BurVServices/Pubblica/DettaggioDcr.aspx?id=299234
LT	National	National language VALSTYBINIS ATLIEKŲ TVARKYMO 2014-2020 METŲ PLANAS English National Waste Management Plan for period 2014-2020	Legally adopted version	Municipal waste, packaging waste, biodegradable waste, hazardous waste, batteries / accumulators, WEEE, waste oils, ELVs, C&D waste, industrial waste	National language http://www3.lrs.lt/pls/inter3/dokpaieska.showdoc_l?p_iid=470278
LT	Regional / Klaipėda	National language Klaipėdos region komunalinių atliekų tvarkymo planas 2010-2019 m. English Klaipėda Region waste management plan 2010-2019	Legally adopted version	Municipal waste, packaging waste, biodegradable waste, batteries / accumulators, WEEE Not covered Hazardous waste, Waste oils, C&D waste, ELVs, Industrial waste	National language http://kratc.lt/uploads/dokumentai/2019.pdf

MS	National/ regional/ local WMP	Name of WMP (application period)	Version under assessment	Waste types covered (at least to certain extent)	Available web link
LT	Regional / Panevėžys	National language Panevėžio regiono atliekų tvarkymo planas 2014 – 2020 English Waste Management Plan of Panevėžys Region 2014-2020	Legally adopted version	Municipal waste, packaging waste, biodegradable waste, WEEE Not covered Hazardous waste, batteries / accumulators, Waste oils, C&D waste, ELVs, Industrial waste	National language http://www.pratc.lt/files/Atlieku_tvarkymo_planas_2014-2020.pdf
LT	Regional / Šiauliai	National language Šiaulių Regiono komunalinių atliekų tvarkymo planas 2012-2020 M. English Šiauliai Region municipal waste management plan 2012 – 2020	Legally adopted version	Municipal waste, packaging waste, biodegradable waste, batteries / accumulators, WEEE Not covered Hazardous waste, Waste oils, C&D waste, ELVs, Industrial waste	National language http://www.sratc.lt/uploads/images/dokumentai/planai/Reg_Atl_Planas_091209.pdf
LV	National	National language Atkritumu apsaimniekošanas valsts plans 2013.–2020.gadam English National Waste Management Plan for the period 2013-2020	Legally adopted version	Municipal waste, packaging waste, biodegradable waste, hazardous waste, batteries / accumulators, WEEE, waste oils, ELVs, C&D waste Not covered industrial waste	National language http://polsis.mk.gov.lv/LoadAtt/file9833.doc
MT	National	English WASTE MANAGEMENT PLAN FOR THE MALTESE ISLANDS A Resource Management Approach, 2014 - 2020	Legally adopted version	Municipal waste, packaging waste, biodegradable waste, hazardous waste, batteries / accumulators, WEEE, waste oils, ELVs, C&D waste, industrial waste	English http://msdec.gov.mt/en/
PL	National	National language Krajowy plan gospodarki odpadami 2014 (2010–2014, perspective for 2015–2022) English National Waste Management Plan 2014 (2010–2014, perspective for 2015–2022)	Legally adopted version (2010)	Municipal waste, packaging waste, biodegradable waste, hazardous waste, batteries / accumulators, WEEE, waste oils, ELVs, C&D waste, industrial waste	National language and English https://www.mos.gov.pl/kategoria/3340_krajowy_plan_gospodarki_odpadami_2014/

MS	National/ regional/ local WMP	Name of WMP (application period)	Version under assessment	Waste types covered (at least to certain extent)	Available web link
PL	Regional / Dolnośląskie	National language Wojewódzki plan gospodarki odpadami dla województwa Dolnośląskiego (2012 – 2017) English Regional (Voivodeship) Waste Management Plan (2012 – 2017)	Legally adopted version	Municipal waste, packaging waste, biodegradable waste, hazardous waste, batteries / accumulators, WEEE, waste oils, ELVs, C&D waste, industrial waste	National language http://bip.umwd.dolnyslask.pl/dokument.php?iddok=1645&idmp=22&r=r
PL	Regional / – Łódzkie Voivodeship	National language Plan gospodarki odpadami województwa łódzkiego 2012 (2012 – 2017) English Waste Management Plan for Łódzkie Voivodeship 2012 (2012 – 2017)	Legally adopted version	Municipal waste, packaging waste, biodegradable waste, hazardous waste, batteries / accumulators, WEEE, waste oils, ELVs, C&D waste, industrial waste	National language https://bip.lodzkie.pl/files/657/uchwaly/PGO+2012+-+wojewodztwo+lodzkie_zarząd_pdf.pdf
PL	Regional / Lubuskie Voivodeship	National language Plan gospodarki odpadami dla województwa lubuskiego na lata 2012-2017 z perspektywą do 2020 roku English Waste Management Plan for Lubuskie Voivodeship for the years 2012-2017, with a perspective to 2020	Legally adopted version	Municipal waste, packaging waste, biodegradable waste, hazardous waste, batteries / accumulators, WEEE, waste oils, ELVs, C&D waste, industrial waste	National language http://lubuskie.pl/nowe-menu/menu-strony/srodowisko-2/plan-gospodarki-odpadami-dla-wojewodztwa-lubuskiego-na-lata-2012-2017-z-perspektywa-do-2020r/
PL	Regional / Małopolskie	National language Plan Gospodarki Odpadami Województwa Małopolskiego 2012 (2012 – 2017) English Małopolskie Waste Management Plant (regional WMP) 2012 (2012 – 2017)	Legally adopted version	Municipal waste, packaging waste, biodegradable waste, hazardous waste, batteries / accumulators, WEEE, waste oils, ELVs, C&D waste, industrial waste	National language http://www.malopolskie.pl/Srodowisko/Odpady/?id=2464

MS	National/ regional/ local WMP	Name of WMP (application period)	Version under assessment	Waste types covered (at least to certain extent)	Available web link
PL	Regional / Mazowieckie	National language Wojewódzki plan gospodarki odpadami dla Mazowsza (2012 – 2017) English Regional (Voivodeship) Waste Management Plan (2012 – 2017)	Legally adopted version	Municipal waste, packaging waste, biodegradable waste, hazardous waste, batteries / accumulators, WEEE, waste oils, ELVs, C&D waste, industrial waste	National language http://www.mazovia.pl/komunikaty/art,1642,sejmik-województwa-mazowieckiego-uchwalil-plan-gospodarki-odpadami-dla-mazowsza-na-lata-2012-2017-z-uwzgleczeniem-lat-2018-2023.html
PL	Regional / Pomorskie Voivodeship	National language Plan gospodarki odpadami dla województwa pomorskiego 2018 (2012 – 2018) English Waste Management Plan for Pomorskie Voivodeship 2018 (2012 – 2018)	Legally adopted version	Municipal waste, packaging waste, biodegradable waste, hazardous waste, batteries / accumulators, WEEE, waste oils, ELVs, C&D waste, industrial waste	National language http://urząd.pomorskie.eu/res/umwp/dokumenty/pos_pgo/pgo_wp_2018_ostateczny_sejmik.pdf
PL	Regional / Śląskie Voivodeship	National language Plan gospodarki odpadami dla województwa śląskiego 2014 (2012 – 2022) English Waste Management Plan for Śląskie Voivodeship 2014 (2012 – 2022)	Legally adopted version	Municipal waste, packaging waste, biodegradable waste, hazardous waste, batteries / accumulators, WEEE, waste oils, ELVs, C&D waste, industrial waste	National language http://www.slaskie.pl/strona_n.php?jezyk=pl&grupa=9&dzi=1248427230&art=1346329324&id_menu=73
PL	Regional / Wielkopolskie	National language Plan gospodarki odpadami dla województwa Wielkopolskiego (2012 – 2017) English Wielkopolskie Waste Management Plant (regional WMP) (2012 – 2017)	Legally adopted version	Municipal waste, packaging waste, biodegradable waste, hazardous waste, batteries / accumulators, WEEE, waste oils, ELVs, C&D waste, industrial waste	National language http://biumwd.dolnyslask.pl/dokument.php?iddok=1645&idmp=22&r=r

MS	National/ regional/ local WMP	Name of WMP (application period)	Version under assessment	Waste types covered (at least to certain extent)	Available web link
PT	National (referred to as national, but covers mainland PT only)	National language Plano Estratégico para os Resíduos Urbanos (PERSU) 2020 (2014 – 2020) English Strategic Plan for Municipal Waste 2020 (2014 – 2020)	Draft version	Municipal waste, packaging waste, biodegradable waste Not covered Hazardous waste, batteries / accumulators, WEEE, waste oils, ELVs, C&D waste, industrial waste	Not available
PT	National	National language Plano Nacional de Gestão de Resíduos (PNGR) 2014-2020 English National Waste Management Plan (2014-2020)	Legally adopted version	In connection with PERSU: Municipal waste, packaging waste, biodegradable waste, hazardous waste, batteries / accumulators, WEEE, waste oils, ELVs, C&D waste Not covered Industrial waste	National language http://apambiente.pt/zdata/Políticas/Resíduos/Planeamento/RCM_11-C_2015_Aprova_PNGR.pdf
SI	National	National language Operativni program ravnanja s komunalnimi odpadki s poudarkom na doseganju okoljskih ciljev iz Direktive 2008/98/ES, Direktive 94/62/ES in Direktive 1999/31/ES, Številka: 35402-2/2013/7 (2012 – 2020) English Operational Programme for the management of municipal waste with emphasis on attaining targets from Directives 2008/98/EC, 94/62/EC and 1999/31/EC, Number 35402-2/2013/7 (2012 – 2020)	Legally adopted version	Municipal waste, packaging waste, biodegradable waste, batteries / accumulators, WEEE, Not covered Hazardous waste, waste oils, ELVs, C&D waste, industrial waste	National language http://www.mko.gov.si/fileadmin/mko.gov.si/pageuploads/zakonodaja/varstvo_okolja/operativni_programi/op_komunalni_odpadki.pdf Annex: http://www.mko.gov.si/fileadmin/mko.gov.si/pageuploads/zakonodaja/varstvo_okolja/operativni_programi/op_komunalni_odpadki_priloge.pdf

MS	National/ regional/ local WMP	Name of WMP (application period)	Version under assessment	Waste types covered (at least to certain extent)	Available web link
SK	National	<p>National language Program odpadového hospodárstva Slovenskej republiky na roky 2011–2015</p> <p>English Waste management plan of the Slovak Republic for 2011-2015</p>	Legally adopted version	<p>Municipal waste, packaging waste, biodegradable waste, batteries / accumulators, WEEE, C&D waste, industrial waste</p> <p>Not covered Hazardous waste, waste oils, ELVs</p>	<p>National language http://www.minzp.sk/files/oblasti/odpady-a-obaly/poh/poh2011-2015/poh-sr-2011-2015.pdf</p> <p>http://www.minzp.sk/files/oblasti/odpady-a-obaly/poh/poh2011-2015/priloha_01.pdf (Annex 1)</p> <p>http://www.minzp.sk/files/oblasti/odpady-a-obaly/poh/poh2011-2015/priloha_02.pdf (Annex 2)</p> <p>http://www.minzp.sk/files/oblasti/odpady-a-obaly/poh/poh2011-2015/priloha_03.pdf (Annex 3)</p> <p>http://www.minzp.sk/files/oblasti/odpady-a-obaly/poh/poh2011-2015/priloha_04.pdf (Annex 4)</p> <p>http://www.minzp.sk/files/oblasti/odpady-a-obaly/poh/poh2011-2015/priloha_05_06.pdf (Annex 5, 6)</p>
UK	Regional / UK Northern Island Southern Region	<p>English Waste Management Plan (SWaMP2008) (2012 – 2020)</p>	Legally adopted version	Municipal waste, packaging waste, biodegradable waste, hazardous waste, batteries / accumulators, WEEE, waste oils, ELVs, C&D waste, industrial waste	<p>English http://swamp2008.org.uk/wp-content/uploads/2009/06/IBR0450-SWaMP-WMP-Full-Copy-Final.pdf</p>
UK	Regional / Wales	<p>English Municipal Sector Plan (MSP) Part 1 (March 2011) in connection with: Collections, Infrastructure and Markets Sector Plan (CIM) (July 2012) Application period: up to 2025</p>	Legally adopted version	<p>Municipal waste, packaging waste, biodegradable waste, hazardous waste, batteries / accumulators, WEEE, waste oils, ELVs</p> <p>Not covered C&D waste, industrial waste</p>	<p>English Municipal Sector Plan Part 1 (March 2011): http://wales.gov.uk/docs/desh/publications/110310municipalwasteplan1en.pdf Collections, Infrastructure and Markets Sector Plan (July 2012): http://wales.gov.uk/docs/desh/publications/120713wastecimsectorplanen.pdf</p>

4 Assessment results

In total 47 WMPs have been assessed under this project. The Greek WMP “Revision of the National Waste Management Plan” (2014 – 2020) has been assessed, however this plan was not legally adopted. Instead, the Greek authorities prepared a new WMP, which also has been assessed within this project (only the assessment results of this “new” WMP are included in this chapter). Further, the WMP of the Czech Republic has been under assessment twice (draft version and legally adopted version). Therefore, in the following the overall assessment results of **45 WMPs** are summarised (chapter 4.1 of this report).

Further, assessment results will be described in more detail, focusing on the chapters 1.1 – 1.6 of the detailed evaluation report (chapters 4.2 – 4.7 of this report). Emphasis will be given to the criteria of the “compliance check” and the criteria on the “fulfilment of targets and requirements”.

The assessment results of the chapters 1.7 – 1.11 of the detailed evaluation report (check against waste model, robustness check, inner logic check, check on WPP, and check against EUROSTAT data) will not be discussed but are reflected in the section “general recommendations” in chapter 6 of this report.

4.1 Overview

The table below provides an overview of the evaluation results for 45 WMPs under assessment, based on the three assessment categories.

Table 3: Overview of assessment results for 45 WMPs under assessment

Overall rating	Number of WMPs
Surpassing	3
Adequate	24
Substandard	18

In total, **18 WMPs** have been rated as “**Substandard**”. These WMPs fail to properly address all mandatory elements as required by Articles 28 (1) to (3) and (5) of the WFD. This means that **at least one** out of 18 assessment criteria has not been covered in the particular WMP and – at the same time – relevant information is not to be addressed at another administrative level or in another sectoral plan. More detailed information, which of the 18 assessment criteria of the compliance check are not addressed in the WMPs (and therefore led to the overall rating “Substandard”), are included in chapter 0 below. Note: even if a WMP has been rated as “Substandard” this does not necessarily mean that the WMP is not well worked out, i.e. the WMP can be very well elaborated with regard to optional elements (e.g. information to particular waste streams or fulfilment of targets) at the same time.

24 WMPs have been rated as “**Adequate**”, meaning that all mandatory elements as required by Articles 28 (1) to (3) and (5) of the WFD are reflected in the WMP respectively are to be covered by another administrative level or another sectoral plan (and therefore do not have to be included in the WMP under assessment). The WMPs that have been rated as “Adequate” significantly vary in terms of the levels of detail provided. However, they have in common that **not all** assessment criteria that have been developed beyond the compliance check could be rated with “YES”.

Three WMPs under assessment have been rated as “**Surpassing**”, meaning that they are compliant with all mandatory elements of the WFD and, in addition, include sufficient information on all other assessment criteria (optional elements, i.e. all general information included, information on all waste streams complete, information on policy instruments complete, WMP data comparable to other EU data, etc.). Having passed all assessment steps, these three WMPs are regarded to be best practice examples, providing for a thorough analysis of the status quo and the planning period, being key in achieving sustainable waste management in line with EU waste legislation.

4.2 General information of WMP

The section on general information aimed to assess whether the WMPs include sufficient basic information such as information on the (planned) adoption and review process, the legal status of the WMP, and authorities involved in drafting and implementing the plan. The evaluation of all 45 WMP assessments led to the following results:

Does the WMP include following general information?		Number of WMPs rated with YES	Number of WMPs rated with NO
1.7	Application period and legal adoption	44	1
1.8	Review period	41	4
1.9	Competent authority for drafting WMP	45	-
1.10	Competent authority for implementing WMP	45	-

Main findings:

Overall, the majority of the WMPs under assessment include sufficient general information.

However, information on **the application and review period often is not explicitly mentioned** but rather has to be interpreted based on information as included in the WMP, under the assumption that Member States evaluate the WMP at least every sixth year in accordance with Article 30 (1) WFD. Further, **the status of legal adoption respectively the planned date/schedule of legal adoption of draft versions often is not explicitly mentioned** in the plan.

All WMPs under assessment include information on the competent authority/ies for drafting and implementing the WMP, however with varying levels of detail. For example, some WMPs even specify authorities for implementing the plan in connection with measures/actions to be implemented in the planning period, whereas other WMPs only shortly mention the authorities involved.

4.3 Level coherence check

Based on information as included in the WMPs that have been complemented by “open questions to Competent Authorities” responsible for waste management planning, the following information on the administrative structure of waste management planning in the 18 Member States has been compiled:

Table 4: Overview of the administrative structure of waste management planning in 18 Member States

Member State		WMPs at different levels exist		In addition to the WMP under assessment, one or more sectoral plans exist in the MS	
		YES	NO	YES	NO
BG	Bulgaria		X	X	
CY	Cyprus		X		X
CZ	Czech Republic	X			X
DE	Germany		X	X	
EE	Estonia	X			X
ES	Spain	X			X
FR	France		X	X	
GR	Greece	X		X	
HU	Hungary	X			X
IT	Italy		X		X
LT	Lithuania	X			X
LV	Latvia		X*		X
MT	Malta		X	X (for PCB/PCT only)	
PL	Poland	X			X
PT	Portugal	X		X	
SI	Slovenia		X		X
SK	Slovakia	X			X
UK	United Kingdom	X**		X	

* Regional waste management plans have been elaborated for the period 2007-2013. For the planning period 2014 – 2020, regional WMPs are not prepared (requirements for development of regional waste management plan have been deleted by national law because the tasks for the next planning period cannot be dealt within one waste management region).

** For certain regions in UK, (sub-)regional WMPs are elaborated (i.e. Northern Ireland).

Eight MS prepare WMPs only at **one administrative level**. Such WMPs are elaborated at national (BG, CY, LV, MT, SI) or regional level (DE, FR, IT) only.

In **ten MS**, WMPs are elaborated at **different administrative levels**. For those MS it was assessed, to what extent waste management issues are covered at different administrative levels (see chapter 2 of this report for more detailed information). The objective was to ensure that issues, which are regulated at another administrative level and therefore are not to be included in the WMP under assessment, are not rated in a negative way but as “non-applicable” (example: in case that a regional WMP has been assessed but information on waste shipments is to be included in the national WMP, the criterion has been rated with “non-applicable” in the evaluation report of the regional WMP, meaning that there is no obligation to include such information in the regional WMP).

Further, it was checked whether – in addition to the WMPs under assessment – **sectoral plans** addressing certain waste streams exist in some MS. Again, the objective was to ensure that lacking information on waste streams, which are covered by another plan and therefore are not to be included in the WMP under assessment, is not rated in a negative way but as “non-applicable” (example: in case that a WMP has been assessed but information on hazardous wastes is included in another sectoral plan, relevant criteria have been rated with “non-applicable” for the WMP under assessment, meaning that there is no obligation to include information on hazardous wastes in this WMP). The assessment revealed that **eleven MS** do not prepare sectoral plans but address all relevant waste streams in one WMP respectively in more than one WMP in the case that waste management planning is carried out at different administrative levels. In **seven MS** additional sectoral plans are in place.

Main findings:

It can be concluded that for all WMPs under assessment the national administrative structure of waste management policy was understandable in general. However, the provided levels of detail in the WMPs vary significantly, ranging from a detailed description of the administrative structure (i.e. including well elaborated graphs) to very short information only. In most cases, information as included in the WMPs had to be complemented by additional information as provided by the Competent Authorities to get a comprehensive picture of the (shared) responsibilities for waste management planning in the country.

4.4 Compliance check

The purpose of the compliance check was to evaluate, whether all information as required under the WFD, in particular the requirements of Articles 28 (1) to (3) and (5) of the WFD (but not of Article 28 (4)), is included in the WMP. Note that quality aspects have not been considered at this stage; the focus was on the simple existence of information contained within the WMP. The figure below provides an overview of the assessment results per assessment criterion (in total: 18 criteria).

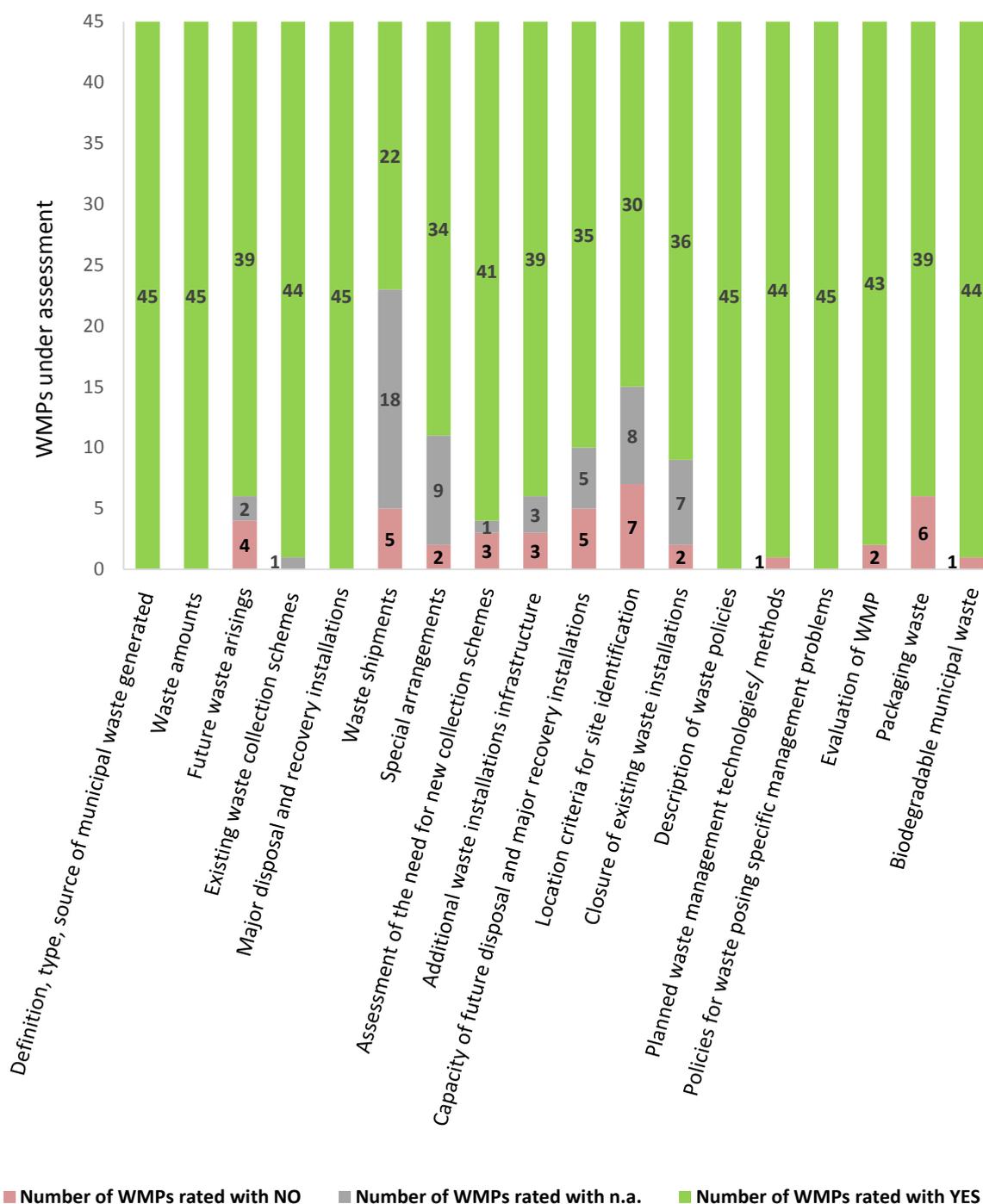


Figure 3: Overview of assessment results – compliance check

Taking into account only those assessment criteria, where WMPs have been rated with “NO”, it can for example be shown that the criterion “location criteria for site identification” is the least covered criterion within the compliance check (Figure 4).

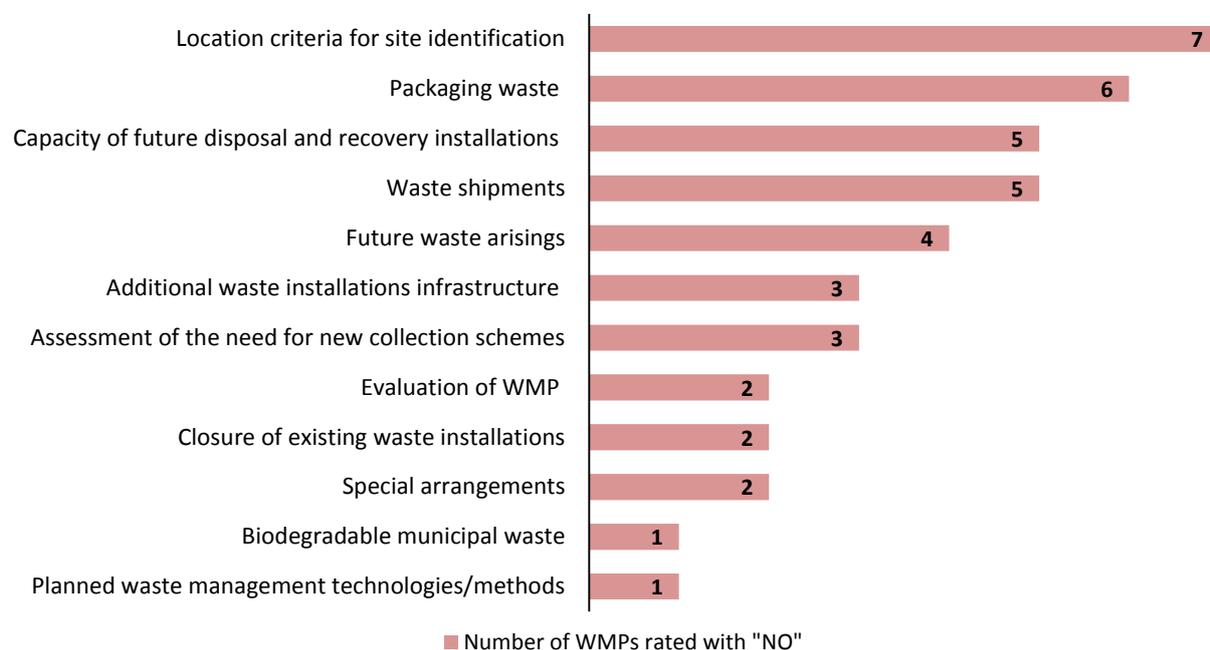


Figure 4: Overview of assessment criteria rated with “NO” within the compliance check

In the following, the evaluation results of the 18 assessment criteria of the compliance check as displayed in Figure 3 above are shortly described.

Does the WMP include information on required elements under WFD?		Number of WMPs rated with YES	Number of WMPs rated with NO	Number of WMPs rated with n.a.
3.1	Definition, type, source of municipal waste generated (Art. 28 (3) (a) WFD)	45	-	-

Main findings:

All 45 WMPs fulfilled the minimum requirements of the assessment criterion and have been rated with “YES”. However, the provided levels of detail vary. Some WMPs only include a very basic description of which waste streams are included in the municipal waste stream and which are not. Others provide more precise information, such as a clear definition and the composition of the overall municipal waste stream (shares and percentages of specific waste streams on total amount of municipal waste generated) and specify waste streams in accordance with the European List of Wastes. Only a few WMPs provide additional information on the methodology that has been applied for the determination of waste composition.

Does the WMP include information on required elements under WFD?		Number of WMPs rated with YES	Number of WMPs rated with NO	Number of WMPs rated with n.a.
3.2	Waste amounts (Art. 28 (3) (a) WFD)	45	-	-

Main findings:

All 45 WMPs include sufficient information on waste amounts, in most cases providing information in tonnes (tonnes/year) and per capita (kg/capita/year). However, provided levels of detail vary. Some WMPs include detailed information on waste arisings over the last few years, whereas other WMPs only refer to a specific reference year (for more detailed information on specific waste streams see information on assessment criteria “waste amounts” and “trends of waste arisings over last years” as described in chapter 4.6 of this report).

Does the WMP include information on required elements under WFD?		Number of WMPs rated with YES	Number of WMPs rated with NO	Number of WMPs rated with n.a.
3.3	Future waste arisings (Art. 28 (3) (a) WFD)	39	4	2

Main findings:

A forecast of future waste arisings (referring to municipal waste stream in total or further specified for specific municipal waste streams) could be found in 39 WMPs, in some cases going beyond the planning period of the WMP. Four WMPs have been rated with “NO”, not including any information on future waste arisings. Two national WMPs have been rated with “n.a.”, in both cases the responsibility lies with another administrative level (forecast to be included in regional WMPs).

Does the WMP include information on required elements under WFD?		Number of WMPs rated with YES	Number of WMPs rated with NO	Number of WMPs rated with n.a.
3.4	Existing waste collection schemes (Art. 28 (3) (b) WFD)	44	-	1

Main findings:

Sufficient information on existing waste collection schemes is included in 44 WMPs. Even if the WMPs have been rated with “YES” it has to be emphasised that in some cases only minimum requirements have been fulfilled, for example including a short description of responsibilities and a general distinction between door-to-door-collection and bring systems for the overall municipal waste stream only. By contrast, well elaborated WMPs with regard to this criterion included detailed information on responsibilities, the coverage of the territory with the collection infrastructure (for specific waste streams), and the collection schemes (including specifications on collection bins/containers and volume, number of collection points and civic amenity sites, collection frequencies etc.). One national WMP has been rated with “n.a.” because the responsibility lies with another administrative level (description of existing waste collection schemes to be included in regional WMPs).

Does the WMP include information on required elements under WFD?		Number of WMPs rated with YES	Number of WMPs rated with NO	Number of WMPs rated with n.a.
3.5	Major disposal and recovery installations (Art. 28 (3) (b) WFD)	45	-	-

Main findings:

All 45 WMPs include sufficient information on major disposal and recovery installations and have been rated with “YES”. However, often only the number and the type of major installations are indicated, lacking more detailed information on the (overall) treatment capacities of such installations.

Does the WMP include information on required elements under WFD?		Number of WMPs rated with YES	Number of WMPs rated with NO	Number of WMPs rated with n.a.
3.6	Waste shipments (Art. 28 (3) (a) WFD)	22	5	18

Main findings:

In total, 22 WMPs have been rated with “YES”, including at least information on waste amounts being shipped from/to the territory and, in some cases, providing additional information on the country of destination and forecasts of waste shipments. Five WMPs have been rated with “NO”, not addressing relevant information as required by Art. 28 (3) (a) WFD at all. Due to the administrative structure in the MS, 18 WMPs have been rated with “n.a.” (responsibility to provide for information on waste shipments lies with the national level).

Does the WMP include information on required elements under WFD?		Number of WMPs rated with YES	Number of WMPs rated with NO	Number of WMPs rated with n.a.
3.7	Special arrangements (Art. 28 (3) (b) WFD)	34	2	9

Main findings:

Relevant information on special arrangements (at least for hazardous waste and waste oils) could be found in 34 WMPs under assessment. Two WMPs do not address the criterion and have been rated with “NO”. Nine WMPs have been rated with “n.a.”, referring to the source(s) where specific provisions for the management of hazardous waste and waste oils are laid down (i.e. legal act or sectoral plan) respectively the responsibility lies with another administrative level (national level).

Does the WMP include information on required elements under WFD?		Number of WMPs rated with YES	Number of WMPs rated with NO	Number of WMPs rated with n.a.
3.8	Assessment of the need for new collection schemes (Art. 28 (3) (c) WFD)	41	3	1

Main findings:

An assessment of the need for new collection schemes is included in 41 WMPs. Information on planned collection systems cover responsibilities, waste streams, and the description of the system, however levels of detail as provided in the WMPs vary significantly. Three WMPs under assessment do not include relevant information and have been rated with “NO”.

Does the WMP include information on required elements under WFD?		Number of WMPs rated with YES	Number of WMPs rated with NO	Number of WMPs rated with n.a.
3.9	Additional waste installations infrastructure (Art. 28 (3) (c) WFD)	39	3	3

Main findings:

Relevant information on additional waste installations infrastructure could be found in 39 WMPs. Type and number of planned installations are indicated, however more detailed information on the schedule is often not included. Three WMPs under assessment have been rated with “NO”, not including any relevant information. Due to the administrative structure in the MS, 3 WMPs have been rated with “n.a.” (responsibility to provide relevant information lies with the regional level).

Does the WMP include information on required elements under WFD?		Number of WMPs rated with YES	Number of WMPs rated with NO	Number of WMPs rated with n.a.
3.10	Capacity of future disposal and major recovery installations (Art. 28 (3) (d) WFD)	35	5	5

Main findings:

The assessment revealed that 35 WMPs include sufficient information on capacities for additional waste installations infrastructure. Five WMPs do not include relevant information and have been rated with “NO”. Five WMPs have been rated with “n.a.”, four WMPs for reasons of administrative structure (regional level responsible), and one WMP because it is clearly mentioned that there is no need for additional disposal and recovery installations for municipal waste.

Does the WMP include information on required elements under WFD?		Number of WMPs rated with YES	Number of WMPs rated with NO	Number of WMPs rated with n.a.
3.11	Location criteria for site identification (Art. 28 (3) (d) WFD)	30	7	8

Main findings:

30 WMPs include information on location criteria for site identification and have been rated with “YES”. Seven WMPs do not include relevant information and have been rated with “NO”. Eight WMPs have been rated with “n.a.”, referring to another administrative level respectively to legal provisions of the MS that address such location criteria.

Does the WMP include information on required elements under WFD?		Number of WMPs rated with YES	Number of WMPs rated with NO	Number of WMPs rated with n.a.
3.12	Closure of existing waste installations (Art. 28 (3) (c) WFD)	36	2	7

Main findings:

36 WMPs under assessment include information on the type and number of installations to be closed, however in some cases not providing precise information on the schedule. Two WMPs under assessment do not include relevant information and have been rated with “NO”. Seven WMPs have been rated with “n.a.”, for reasons of administrative structure (regional level responsible) respectively it is clearly mentioned that there is no need to close existing waste installations. In one case, the closure of existing waste installations is addressed by another plan.

Does the WMP include information on required elements under WFD?		Number of WMPs rated with YES	Number of WMPs rated with NO	Number of WMPs rated with n.a.
3.13	Description of waste policies (Art. 28 (3) (e) WFD)	45	-	-

Main findings:

All 45 WMPs under assessment include sufficient information on general waste policies, describing targets, key objectives, and key features of the waste management system and have therefore been rated with “YES”.

Does the WMP include information on required elements under WFD?		Number of WMPs rated with YES	Number of WMPs rated with NO	Number of WMPs rated with n.a.
3.14	Planned waste management technologies/ methods (Art. 28 (3) (e) WFD)	44	1	-

Main findings:

Only one WMP has been rated with “NO”, not including sufficient information on planned waste management technologies and methods (i.e. cascade use MBT etc.).

Does the WMP include information on required elements under WFD?		Number of WMPs rated with YES	Number of WMPs rated with NO	Number of WMPs rated with n.a.
3.15	Policies for waste posing specific management problems (Art. 28 (3) (e) WFD)	45	-	-

Main findings:

All 45 WMPs under assessment include sufficient information on waste streams with specific management problems (priority waste streams) and describe relevant policies.

Does the WMP include information on required elements under WFD?		Number of WMPs rated with YES	Number of WMPs rated with NO	Number of WMPs rated with n.a.
3.16	Evaluation of WMP (Art. 28 (2) WFD)	43	2	-

Main findings:

Information on how the WMP will support the implementation of objectives and provisions of the WFD and related assessment methods are included in 43 WMPs. Only two WMPs do not include such information and have been rated with “NO”.

Does the WMP include information on required elements under WFD?		Number of WMPs rated with YES	Number of WMPs rated with NO	Number of WMPs rated with n.a.
3.17	Packaging waste (Art. 28 (5) WFD)	39	6	-

Main findings:

39 WMPs include a separate chapter on packaging waste, including a description of the management situation. Six WMPs do not include a separate chapter on packaging waste as required by Art. 28 (5) WFD and have been rated with “NO”. This does not mean that those WMPs do not include information on packaging waste; information in this case can be spread in various chapters.

Does the WMP include information on required elements under WFD?		Number of WMPs rated with YES	Number of WMPs rated with NO	Number of WMPs rated with n.a.
3.18	Biodegradable municipal waste (Art. 28 (5) WFD)	44	1	-

Main findings:

Information on strategies for the reduction of biodegradable waste going to landfills as specified in Art. 28 (5) WFD could be found in 44 WMPs (i.e. treatment options: development, current situation, projections; policy measures to divert biodegradable waste from landfills). Only one WMP does not include such information and has been rated with “NO”.

4.5 Information on fulfilment of targets and requirements

The purpose of the section on targets and requirements was to evaluate, to what extent information on targets and requirements based on the WFD and the connected waste legislation (Landfill Directive, Packaging Directive, WEEE Directive, Batteries Directive, and ELV Directive) is reflected in the WMP. Simply repeating targets and requirements within the WMP is considered to be insufficient. Instead, **information needs to be connected to the actual situation in the country/region, elaborating to what extent the targets have been fulfilled or with distance to target information** (note: in addition, information on specific measures to fulfil targets/requirements has been compiled in the evaluation reports). The figure below provides an overview of the assessment results per assessment criterion (in total: 11 criteria; criterion on ELVs for information purpose and not included in the rating).

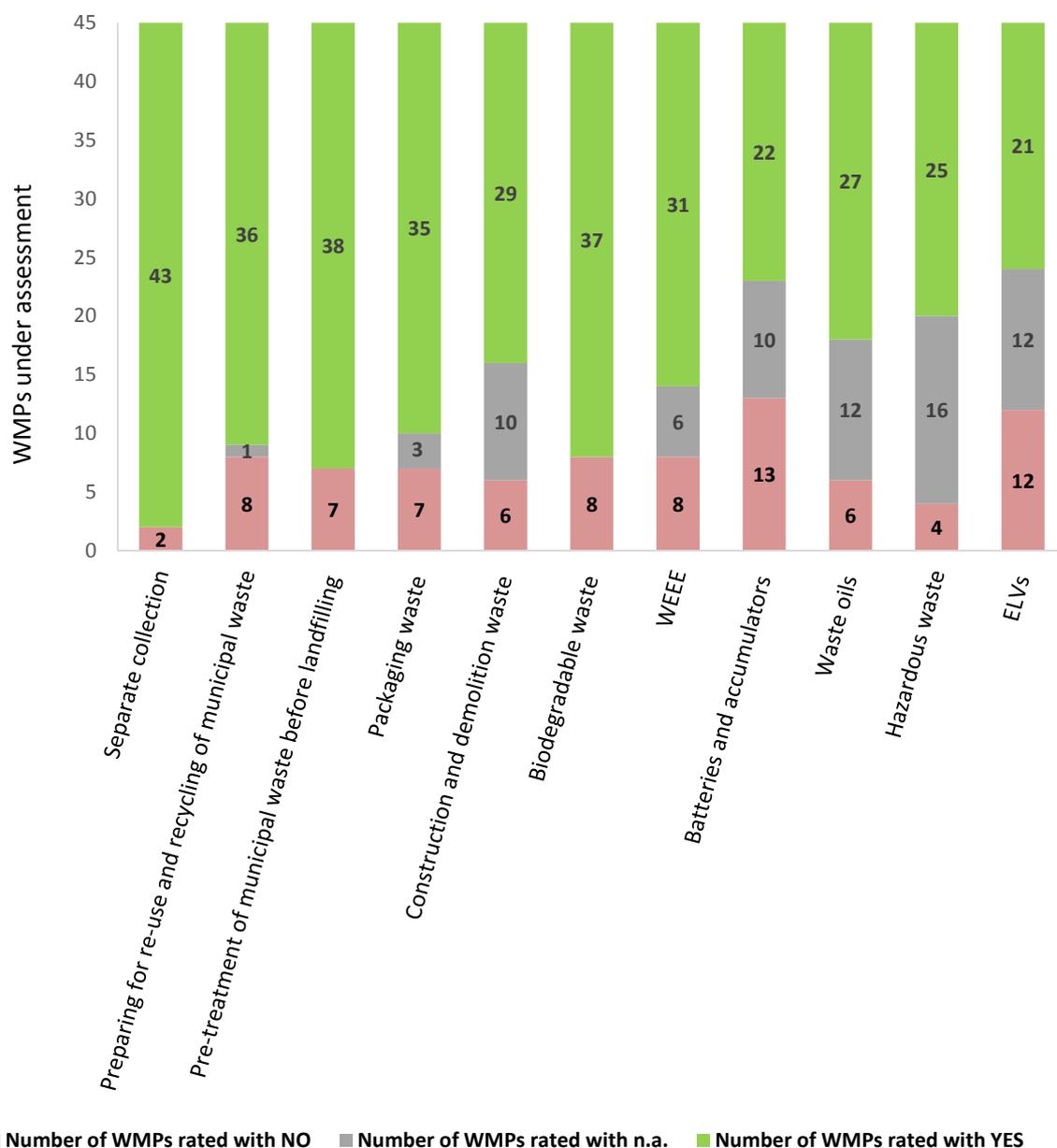


Figure 5: Overview of assessment results – information on fulfilment of targets / requirements

Taking into account only those assessment criteria, where WMPs have been rated with “NO”, it can for example be shown that distance to target information on “batteries and accumulators” is the least covered criterion within the targets/requirements section (Figure 6).

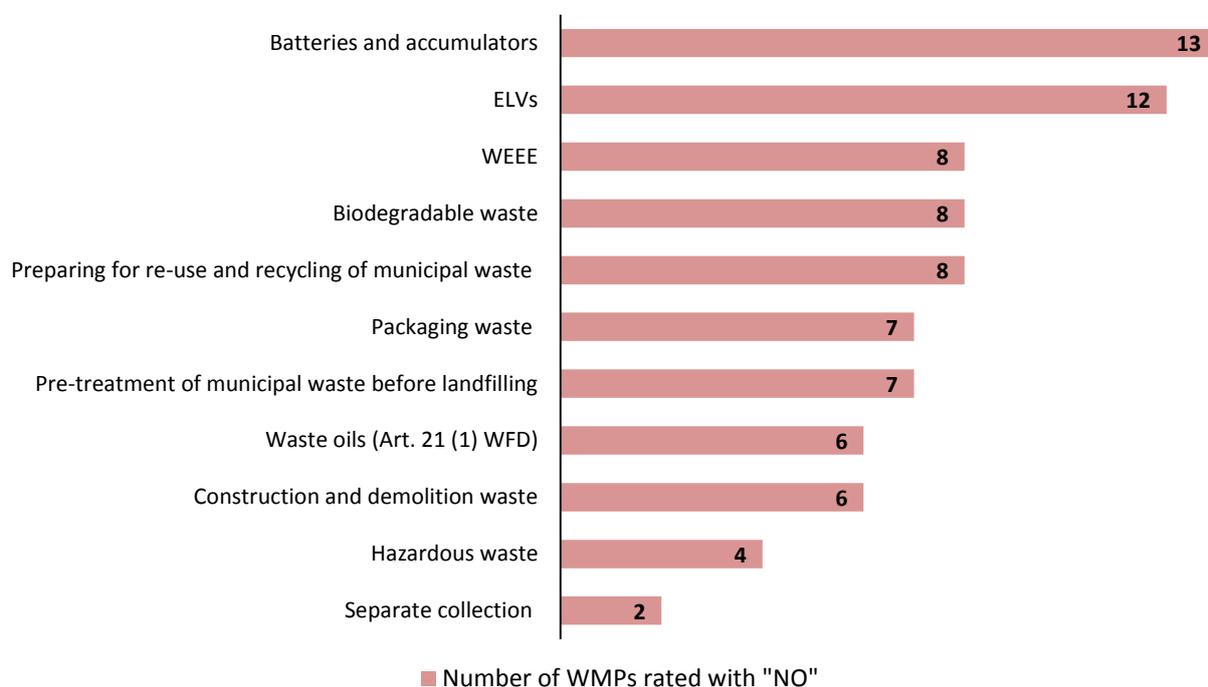


Figure 6: Overview of assessment criteria rated with “NO” within the section targets/requirements

In the following, the evaluation results of the 11 assessment criteria addressing targets and requirements are shortly described.

Does the WMP include information on requirements/targets (distance to target)?		Number of WMPs rated with YES	Number of WMPs rated with NO	Number of WMPs rated with n.a.
4.1	Separate collection (Art. 11 (1) WFD)	43	2	-

Main findings:

Information on the fulfilment of the WFD requirement to separately collect at least paper, metal, plastic and glass by 2015 could be found in 43 WMPs. However, the provided levels of detail vary, ranging from overview information on the status quo only to a more detailed analysis, including information on the development in the past and prospects for the future. Two WMPs under assessment have not addressed the WFD requirement and therefore have been rated with “NO”.

Does the WMP include information on requirements/targets (distance to target)?		Number of WMPs rated with YES	Number of WMPs rated with NO	Number of WMPs rated with n.a.
4.2	Preparing for re-use and recycling of municipal waste (Art. 11 (2) (a) WFD) Ex-ante conditionality	36	8	1

Main findings:

36 WMPs under assessment include distance to target information on the status of fulfilment of the WFD target “preparing for re-use and the recycling of waste materials such as at least paper, metal, plastic and glass from households (and possibly from other origins as far as these waste streams are similar to waste from households) shall be increased to a minimum of 50 % by weight by 2020”. Relevant information could not be identified in eight WMPs. One WMP has been rated with “n.a.” because it was drafted before the WFD target has been implemented.

Does the WMP include information on requirements/targets (distance to target)?		Number of WMPs rated with YES	Number of WMPs rated with NO	Number of WMPs rated with n.a.
4.3	Pre-treatment of municipal waste before landfilling (Article 6 Landfill Directive)	38	7	-

Main findings:

Article 6 of the Landfill Directive requires MS to pre-treat waste before landfilling. Relevant information on the pre-treatment of municipal waste could be found in 38 WMPs under assessment. However, levels of detail vary. In some WMPs it is clearly indicated that the total amount of mixed municipal waste generated is subject to pre-treatment respectively that the MS has implemented a landfill ban for untreated municipal waste. Other WMPs only include information on the treatment infrastructure for mixed municipal waste (such as MBT or sorting facilities), resulting in the assumption that mixed municipal waste is pre-treated before landfilling (however, it is not clear whether a certain share of municipal waste is landfilled without pre-treatment). By contrast, seven WMPs do not include relevant information and have been rated with “NO”.

Does the WMP include information on requirements/targets (distance to target)?		Number of WMPs rated with YES	Number of WMPs rated with NO	Number of WMPs rated with n.a.
4.4	Packaging waste (Article 6 Packaging Directive)	35	7	3

Main findings:

According to Article 6 of the Packaging Directive, by 31 December 2008 the following targets are to be fulfilled: recovery: 60 % as a minimum by weight of packaging waste; recycling: as a minimum 55 % by weight of packaging waste (60 % by weight for glass, 60 % by weight for paper and cardboard; 50 % by weight for metals; 22.5 % by weight for plastics (counting exclusively material that is recycled back into plastics), 15 % by weight for wood). Distance to target information could be found in 35 WMPs, however in some cases only information on the overall recovery rate but not the recycling rate is included. Seven WMPs do not include any information on the current status of the fulfilment of the targets of the Packaging Directive and have been rated with “NO”. Three WMPs have been rated with “n.a.” because relevant information is to be covered by the national WMP.

Does the WMP include information on requirements/targets (distance to target)?		Number of WMPs rated with YES	Number of WMPs rated with NO	Number of WMPs rated with n.a.
4.5	Construction and demolition waste (Art. 11 (2) (b) WFD) Ex-ante conditionality	29	6	10

Main findings:

Article 11 (2) (b) of the WFD sets the target that “by 2020, the preparing for re-use, recycling and other material recovery, including backfilling operations using waste to substitute other materials, of non-hazardous construction and demolition waste excluding naturally occurring material defined in category 17 05 04 in the list of waste shall be increased to a minimum of 70 % by weight”. Relevant distance to target information could be found in 29 WMPs under assessment. Six WMPs do not include any information on the WFD target respectively information on the recovery rate of C&D waste is not related to the WFD target (i.e. naturally occurring material is not excluded in the recovery rate as provided in the WMP). Ten WMPs have been rated with “n.a.” because the responsibility lies with another administrative level (national level) or relevant information is covered by another sectoral plan.

Does the WMP include information on requirements/targets (distance to target)?		Number of WMPs rated with YES	Number of WMPs rated with NO	Number of WMPs rated with n.a.
4.6	Biodegradable waste (Article 5 Landfill Directive)	37	8	-

Main findings:

Article 5 of the Landfill Directive sets targets for the reduction of biodegradable municipal waste going to landfills: by 2009: reduction to 50 % of the 1995 level; by 2016: reduction to 35 % of the 1995 level (derogations for certain countries possible). Relevant information could be found in 37 WMPs under assessment, including distance to target information or indicating that a landfill ban for biodegradable waste is in place. Eight WMPs do not include relevant distance to target information and have been rated with “NO”.

Does the WMP include information on requirements/targets (distance to target)?		Number of WMPs rated with YES	Number of WMPs rated with NO	Number of WMPs rated with n.a.
4.7	WEEE (Article 5, 6 and 7 WEEE Directive)	31	8	6

Main findings:

The WEEE Directive sets the requirement to achieve a high level of separate collection of WEEE and to provide the possibility to return WEEE free of charge, as well as the target to achieve a minimum collection rate of 4 kg/inhabitant by 31 December 2015; from 2016, a minimum collection rate of 45 % shall be achieved. 31 WMPs under assessment include relevant information and have been rated with “YES”. Eight WMPs do not include information on separate collection of WEEE / the collection rate achieved. Six WMPs have been rated with “n.a.” because the responsibility lies with another administrative level (national level) or relevant information is covered by another sectoral plan.

Does the WMP include information on requirements/targets (distance to target)?		Number of WMPs rated with YES	Number of WMPs rated with NO	Number of WMPs rated with n.a.
4.8	Batteries and accumulators (Article 10 Batteries Directive)	22	13	10

Main findings:

Article 10 of the Batteries Directive requires MS to achieve the following minimum collection rates for batteries and accumulators: 25 % by 26 September 2012, 45 % by 26 September 2016. Relevant distance to target information could only be found in 22 WMPs under assessment. 13 WMPs do not elaborate on the current collection rate for batteries / accumulators at all. Ten WMPs have been rated with “n.a.” because the responsibility lies with another administrative level (national level), relevant information is covered by another sectoral plan, or it is explained why relevant distance to target information is not included / cannot be provided.

Does the WMP include information on requirements/targets (distance to target)?		Number of WMPs rated with YES	Number of WMPs rated with NO	Number of WMPs rated with n.a.
4.9	Waste oils (Art. 21 (1) WFD)	27	6	12

Main findings:

Article 21 (1) of the WFD specifies that waste oils are to be collected separately, where this is technically feasible. Relevant information on the separate collection of waste oils could be identified in 27 WMPs under assessment. Six WMPs do not include information whether waste oils are separately collected or not. Twelve WMPs have been rated with “n.a.”, referring to the source(s) where specific provisions for the management of waste oils are laid down (i.e. legal act or sectoral plan) respectively the responsibility lies with another administrative level (national level).

Does the WMP include information on requirements/targets (distance to target)?		Number of WMPs rated with YES	Number of WMPs rated with NO	Number of WMPs rated with n.a.
4.10	Hazardous waste (Art. 18 WFD)	25	4	16

Main findings:

According to Article 18 of the WFD Member States shall take the necessary measures to ensure that hazardous waste is not mixed, either with other categories of hazardous waste or with other waste, substances or materials. Relevant information could be found in 25 WMPs, whereas four WMPs do not address the ban on mixing of hazardous waste. 16 WMPs have been rated with “n.a.”, referring to the source(s) where specific provisions for the management of hazardous waste are laid down (i.e. legal act or sectoral plan) respectively the responsibility lies with another administrative level (national level).

Does the WMP include information on requirements/targets (distance to target)?		Number of WMPs rated with YES	Number of WMPs rated with NO	Number of WMPs rated with n.a.
4.11	ELVs (Art. 7 ELV Directive) (not considered for overall rating)	21	12	12

Main findings:

Article 7 of the ELV Directive sets the following targets: min. re-use and recovery by 2006: 85 %, by 2015: 95 %; min. re-use and recycling by 2006: 70 %, by 2015: 85 %. Note that the criterion has not been taken into account for the overall rating but was included for information purpose only. 21 WMPs under assessment elaborate on achieved re-use/recycling respectively re-use/recovery rates and have therefore been rated with “YES”. Twelve WMPs do not include such distance to target information and have been rated with “NO”. Further, twelve WMPs have been rated with “n.a.” because relevant information is included in another sectoral plan or lies with another administrative level (national level).

4.6 Information on waste streams

In this section it was evaluated, whether the WMPs include data and information on the management of specific waste streams, going beyond the mandatory elements of Articles 28 (1) to (3) and (5) of the WFD.

In the following, the evaluation results for all ten waste streams under assessment are illustrated and shortly described (note: information on industrial waste evaluated for information purpose only, not considered for the overall rating).

Does the WMP include <u>complete</u> information on waste streams?		Number of WMPs rated with "information complete"	Number of WMPs rated with "information NOT complete"	Number of WMPs not including information on waste stream	Number of WMPs rated with "n.a."
5.1 – 5.9	Municipal waste	31	14	-	-

Information on municipal waste has been evaluated alongside nine assessment criteria. As shown above, 31 WMPs under assessment include sufficient information on municipal waste and have been rated with "information complete" (all nine assessment criteria rated with "YES"). 14 WMPs under assessment have been rated with "information NOT complete" (at least one out of nine assessment criteria rated with "NO"). The figure below provides a more detailed overview of the assessment results per assessment criterion. For municipal waste it can be concluded that information on "historical contaminated waste disposal sites" and "measures for rehabilitation" often is not included.

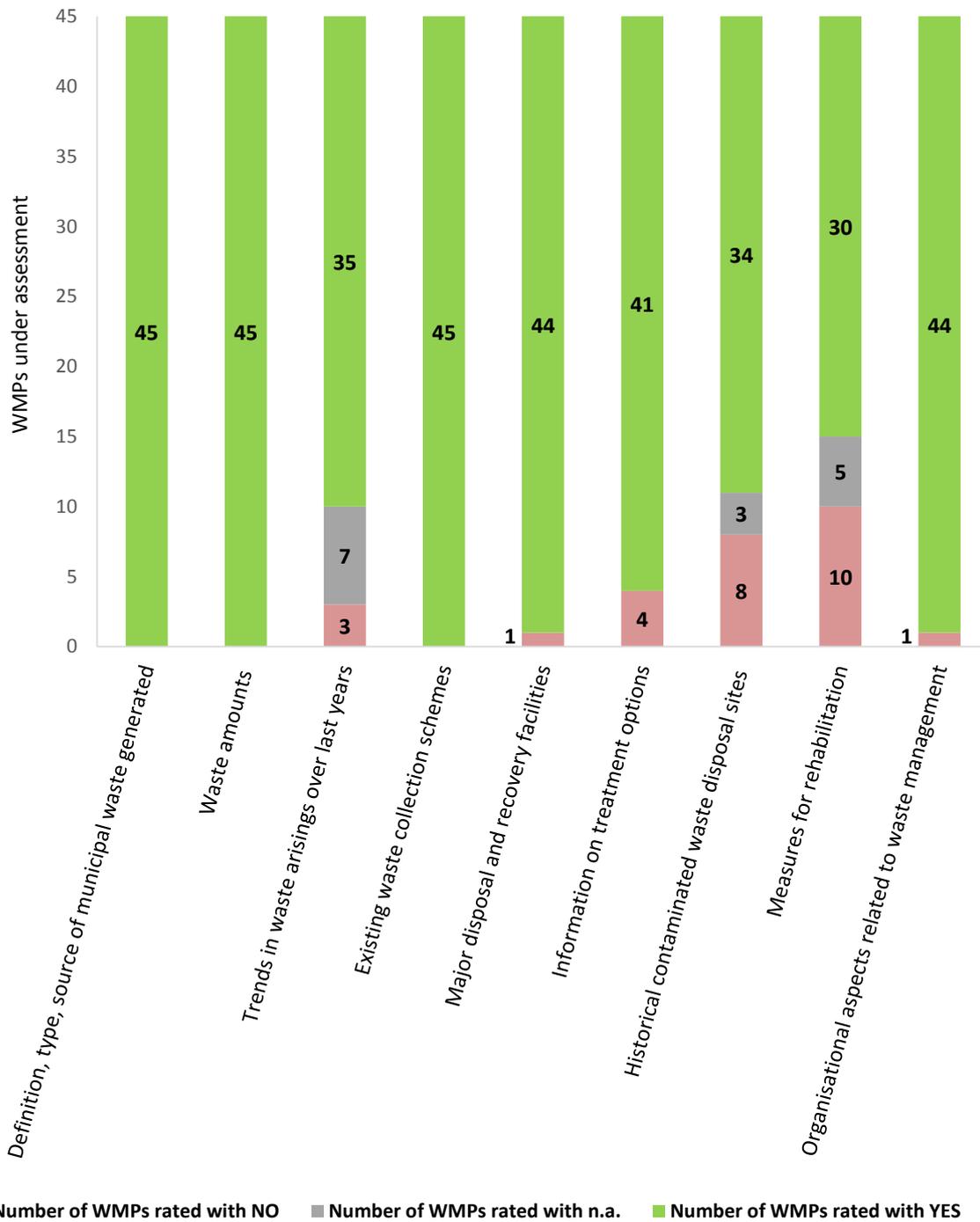


Figure 7: Overview of assessment results - information on municipal waste

Does the WMP include complete information on waste streams?		Number of WMPs rated with "information complete"	Number of WMPs rated with "information NOT complete"	Number of WMPs not including information on waste stream	Number of WMPs rated with "n.a."
5.10 – 5.14	Packaging waste	24	21	-	-

Information on packaging waste has been evaluated alongside five assessment criteria. As shown above, 24 WMPs under assessment include sufficient information and have been rated with "information complete". 21 WMPs under assessment have been rated with "information NOT complete". The figure below provides a more detailed overview of the assessment results per assessment criterion and shows that for 15 WMPs time-lines of waste arisings were missing.

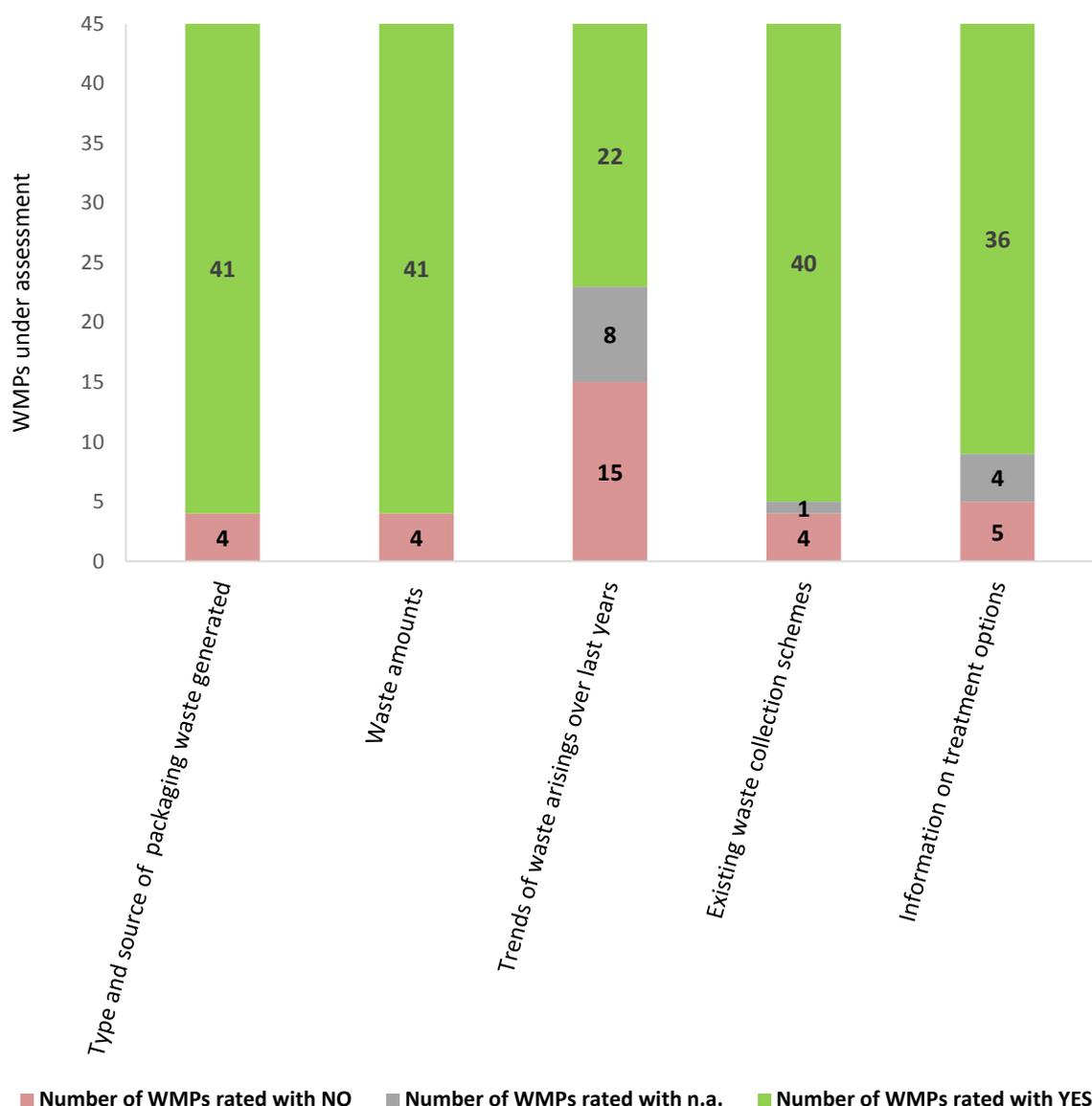


Figure 8: Overview of assessment results - information on packaging waste

Does the WMP include complete information on waste streams?		Number of WMPs rated with "information complete"	Number of WMPs rated with "information NOT complete"	Number of WMPs not including information on waste stream	Number of WMPs rated with "n.a."
5.15 – 5.20	Biodegradable waste	24	20	1	-

Information on biodegradable waste has been evaluated alongside six assessment criteria (note: compared to other waste streams, the additional criterion "major disposal and recovery facilities" has been evaluated). As shown above, 24 WMPs under assessment include sufficient information and have been rated with "information complete". 20 WMPs under assessment have been rated with "information NOT complete", 17 of which do not provide data on bio-waste generation over the last years (which is indeed difficult in cases where no separate bio-waste collection is in place so far). One WMP does not include any information on biodegradable waste. The figure below provides a more detailed overview of the assessment results per assessment criterion.

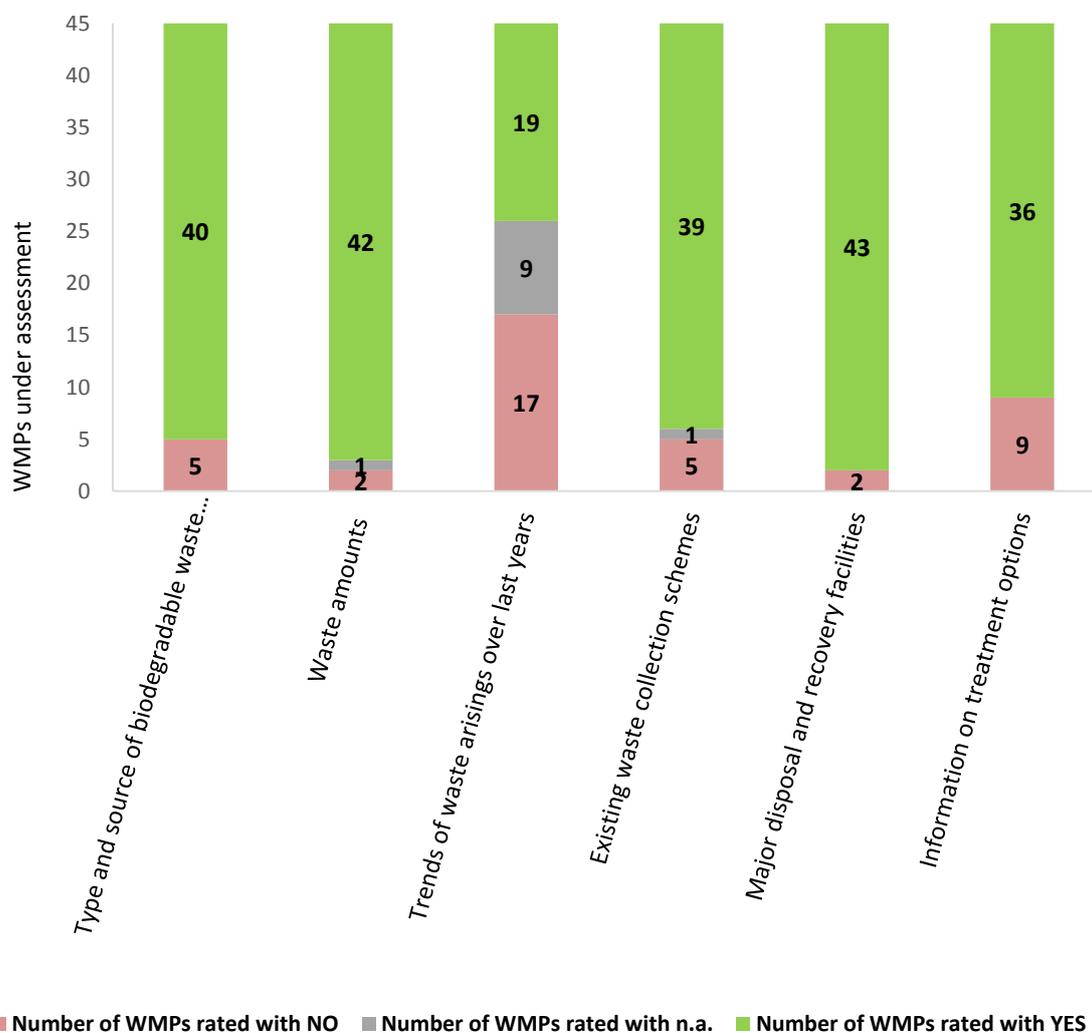


Figure 9: Overview of assessment results - information on biodegradable waste

Does the WMP include complete information on waste streams?		Number of WMPs rated with "information complete"	Number of WMPs rated with "information NOT complete"	Number of WMPs not including information on waste stream	Number of WMPs rated with "n.a."
5.21 – 5.25	Hazardous waste	21	12	7	5

Information on hazardous waste has been evaluated alongside five assessment criteria. As shown above, 21 WMPs under assessment include sufficient information and have been rated with "information complete". Twelve WMPs under assessment have been rated with "information NOT complete". Seven WMPs do not include any information on hazardous waste (all assessment criteria rated with "NO"). Five WMPs have been rated with "n.a." (all five assessment criteria). The figure below provides a more detailed overview of the assessment results per assessment criterion.

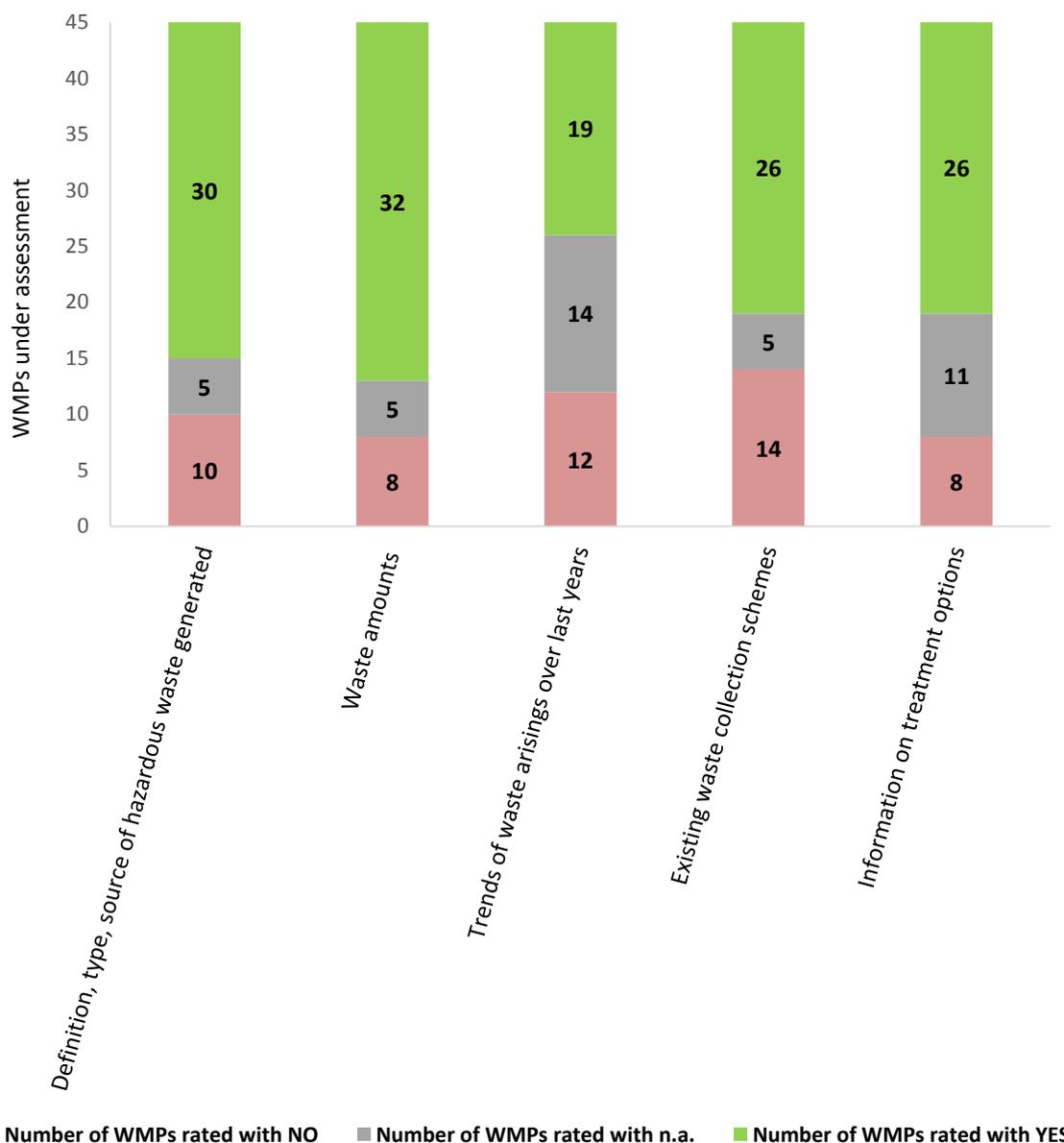


Figure 10: Overview of assessment results - information on hazardous waste

Does the WMP include complete information on waste streams?		Number of WMPs rated with "information complete"	Number of WMPs rated with "information NOT complete"	Number of WMPs not including information on waste stream	Number of WMPs rated with "n.a."
5.26 – 5.30	Batteries and accumulators	23	15	3	4

Information on batteries and accumulators has been evaluated alongside five assessment criteria. As shown above, 23 WMPs under assessment include sufficient information and have been rated with "information complete". 15 WMPs under assessment have been rated with "information NOT complete". Three WMPs do not include any information on batteries / accumulators (all assessment criteria rated with "NO"). Four WMPs have been rated with "n.a." (all five assessment criteria). The figure below provides a more detailed overview of the assessment results per assessment criterion.

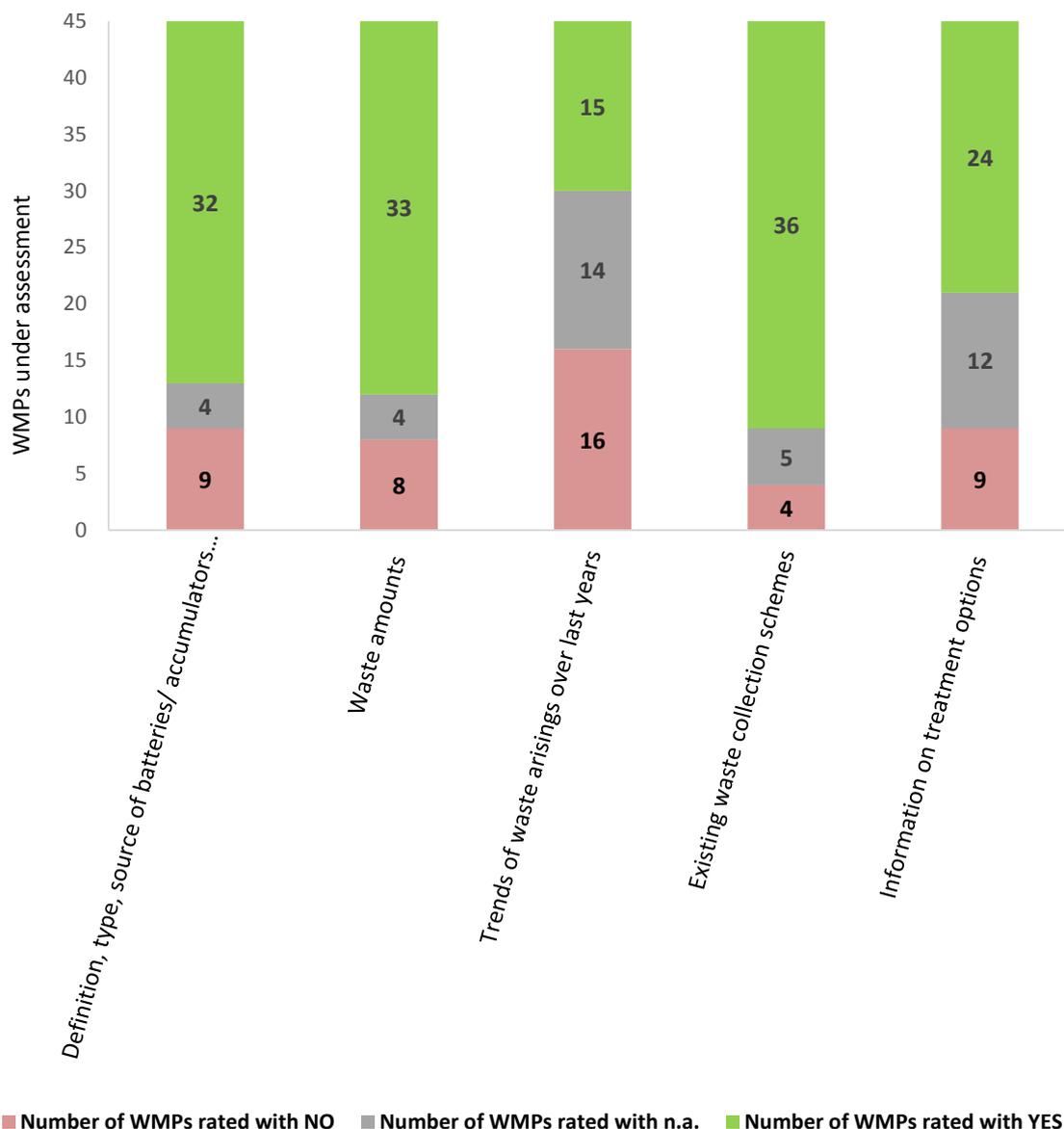


Figure 11: Overview of assessment results - information on batteries / accumulators

Does the WMP include complete information on waste streams?		Number of WMPs rated with "information complete"	Number of WMPs rated with "information NOT complete"	Number of WMPs not including information on waste stream	Number of WMPs rated with "n.a."
5.31 – 5.35	WEEE	24	16	2	3

Information on WEEE has been evaluated alongside five assessment criteria. As shown above, 24 WMPs under assessment include sufficient information and have been rated with "information complete". 16 WMPs under assessment have been rated with "information NOT complete". Two WMPs do not include any information on WEEE (all assessment criteria rated with "NO"). Three WMPs have been rated with "n.a." (all five assessment criteria). The figure below provides a more detailed overview of the assessment results per assessment criterion.

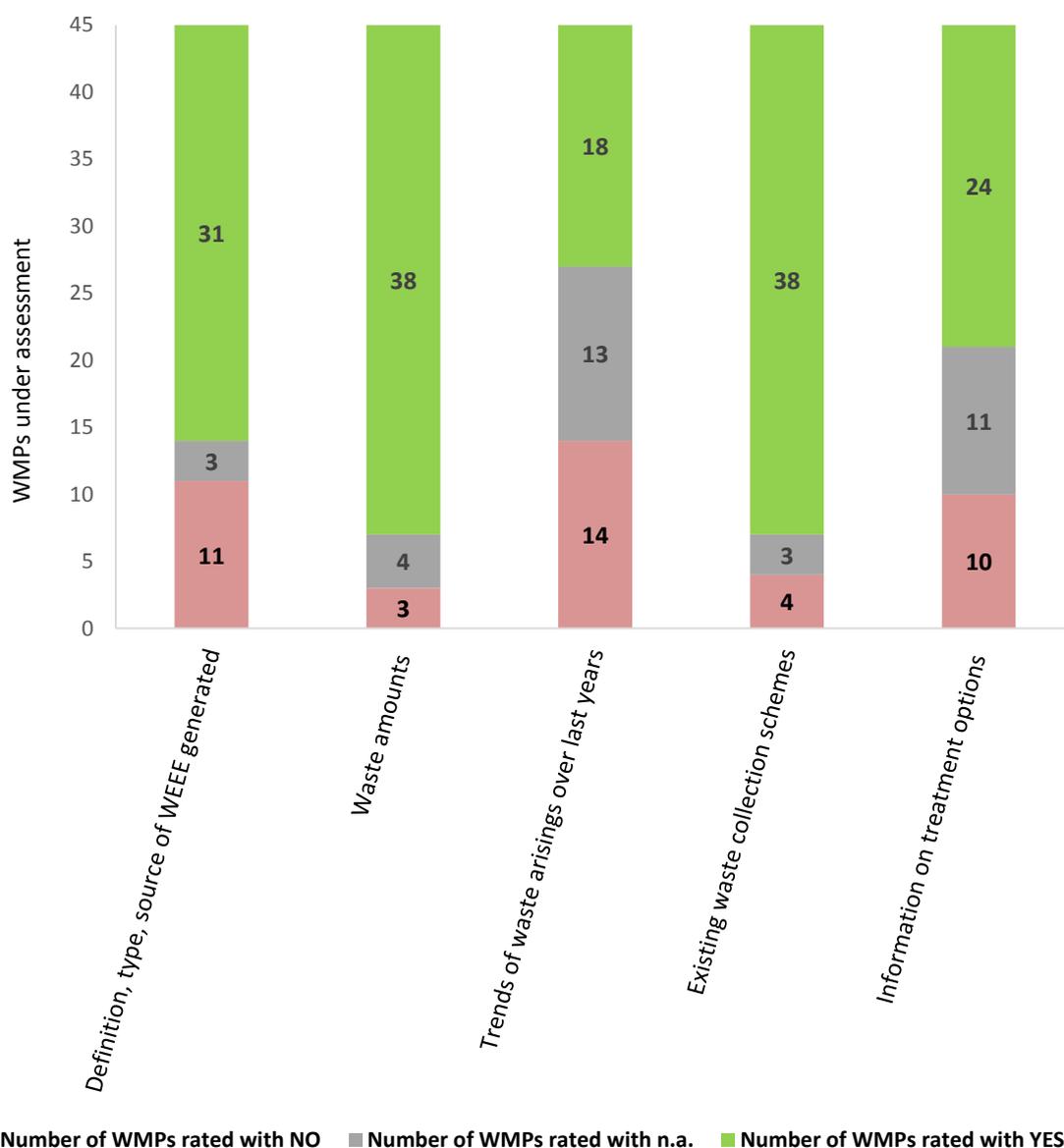


Figure 12: Overview of assessment results - information on WEEE

Does the WMP include complete information on waste streams?		Number of WMPs rated with "information complete"	Number of WMPs rated with "information NOT complete"	Number of WMPs not including information on waste stream	Number of WMPs rated with "n.a."
5.36 – 5.40	Waste oils	16	14	4	11

Information on waste oils has been evaluated alongside five assessment criteria. As shown above, 16 WMPs under assessment include sufficient information and have been rated with "information complete". 14 WMPs under assessment have been rated with "information NOT complete". Four WMPs do not include any information on waste oils (all assessment criteria rated with "NO"). Eleven WMPs have been rated with "n.a." (all five assessment criteria). The figure below provides a more detailed overview of the assessment results per assessment criterion.

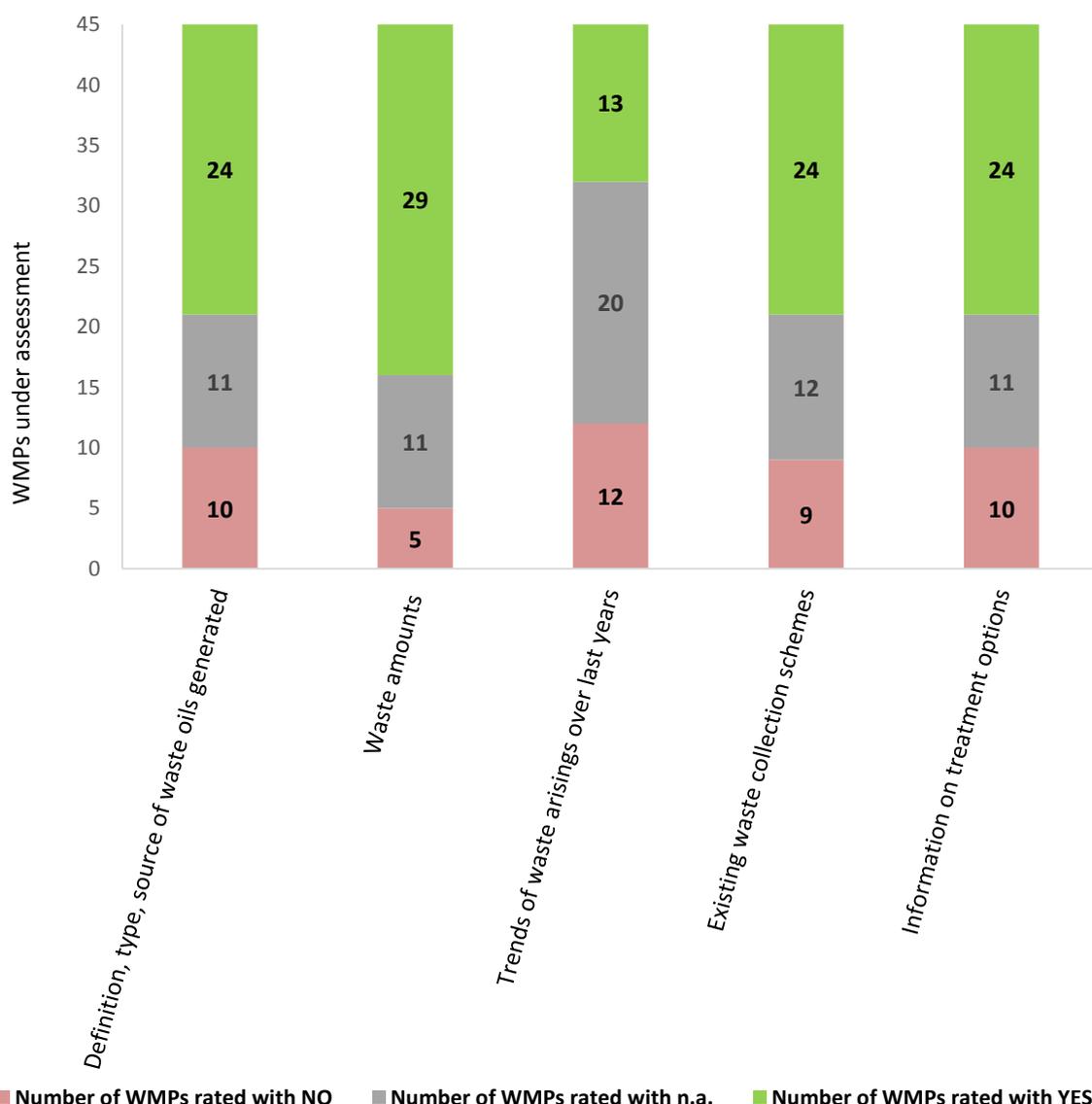


Figure 13: Overview of assessment results - information on waste oils

Does the WMP include complete information on waste streams?		Number of WMPs rated with "information complete"	Number of WMPs rated with "information NOT complete"	Number of WMPs not including information on waste stream	Number of WMPs rated with "n.a."
5.41 – 5.45	ELVs	18	11	5	11

Information on ELVs has been evaluated alongside five assessment criteria. As shown above, 18 WMPs under assessment include sufficient information and have been rated with "information complete". Eleven WMPs under assessment have been rated with "information NOT complete". Five WMPs do not include any information on ELVs (all assessment criteria rated with "NO"). Eleven WMPs have been rated with "n.a." (all five assessment criteria). The figure below provides a more detailed overview of the assessment results per assessment criterion.

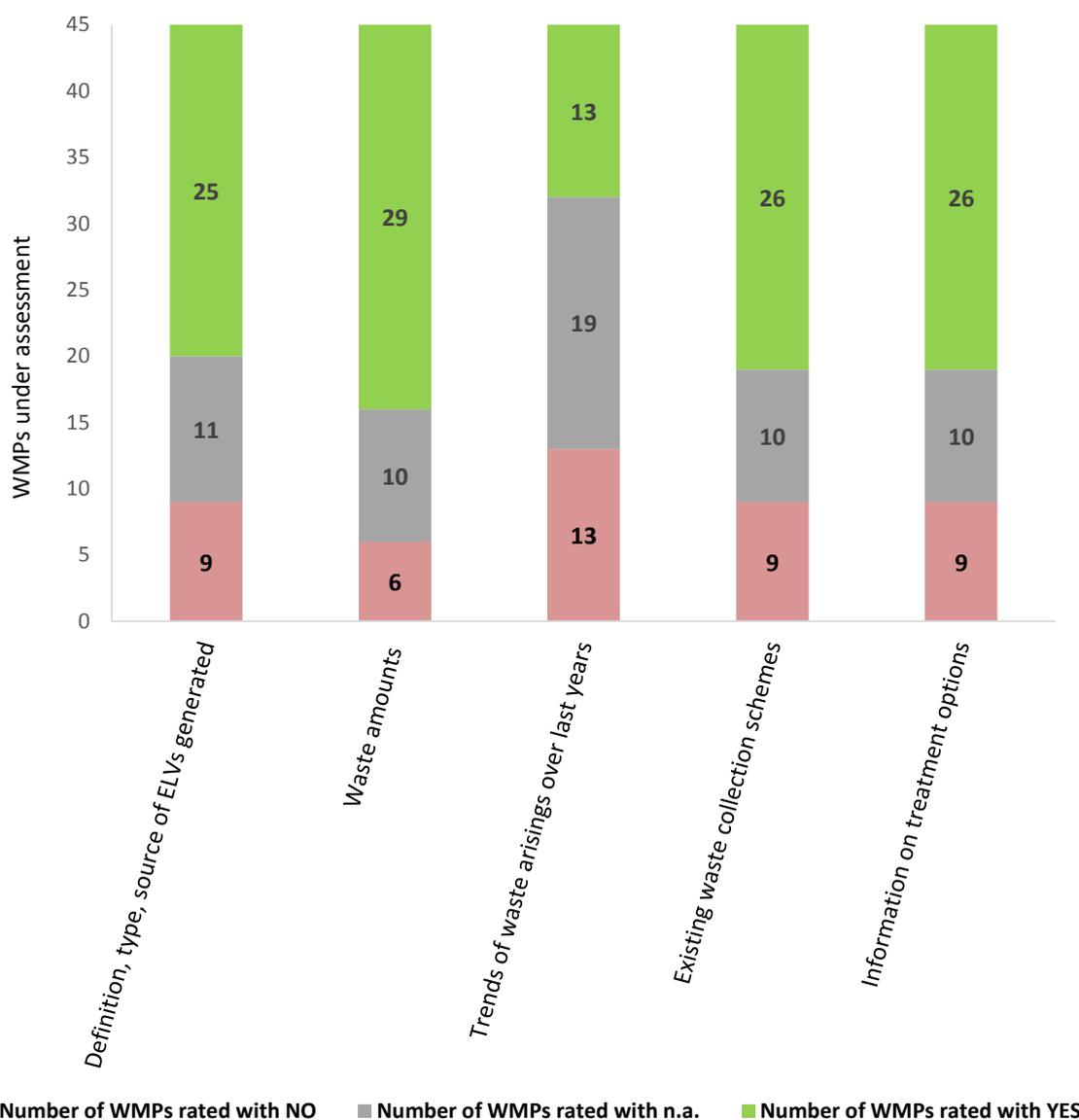


Figure 14: Overview of assessment results - information on ELVs

Does the WMP include complete information on waste streams?		Number of WMPs rated with "information complete"	Number of WMPs rated with "information NOT complete"	Number of WMPs not including information on waste stream	Number of WMPs rated with "n.a."
5.46 – 5.50	Construction and demolition waste	21	14	5	5

Information on C&D waste has been evaluated alongside five assessment criteria. As shown above, 21 WMPs under assessment include sufficient information and have been rated with "information complete". 14 WMPs under assessment have been rated with "information NOT complete". Five WMPs do not include any information on C&D waste (all assessment criteria rated with "NO"). Five WMPs have been rated with "n.a." (all five assessment criteria). The figure below provides a more detailed overview of the assessment results per assessment criterion.

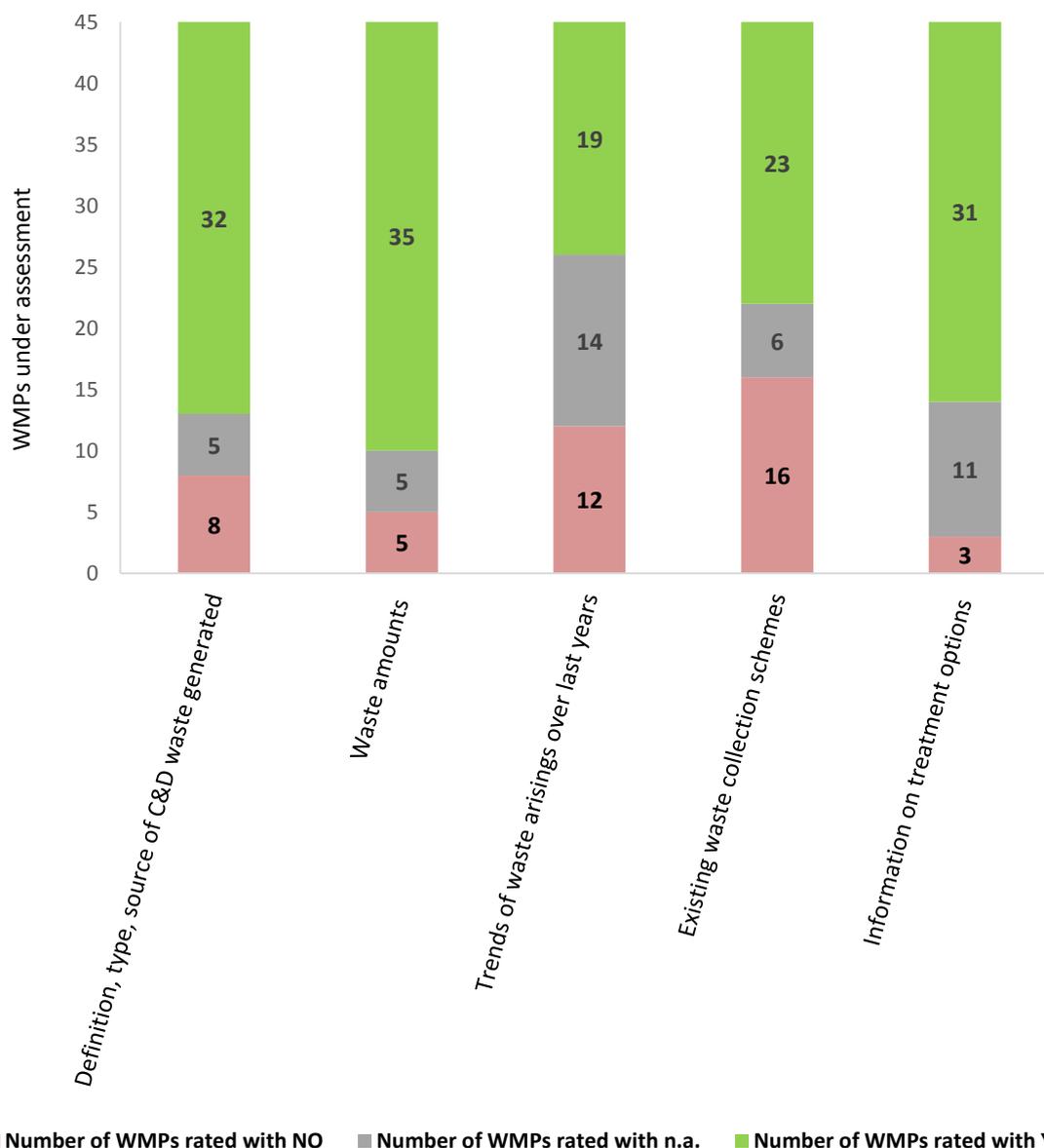


Figure 15: Overview of assessment results - information on C&D waste

Does the WMP include complete information on waste streams?		Number of WMPs rated with "information complete"	Number of WMPs rated with "information NOT complete"	Number of WMPs not including information on waste stream	Number of WMPs rated with "n.a."
5.51 – 5.55	Industrial waste (not considered for overall rating)	16	11	6	12

Information on industrial waste has been evaluated alongside five assessment criteria. As shown above, 16 WMPs under assessment include sufficient information and have been rated with "information complete". 11 WMPs under assessment have been rated with "information NOT complete". Six WMPs do not include any information on industrial waste (all assessment criteria rated with "NO"). Twelve WMPs have been rated with "n.a." (all five assessment criteria). The figure below provides a more detailed overview of the assessment results per assessment criterion.

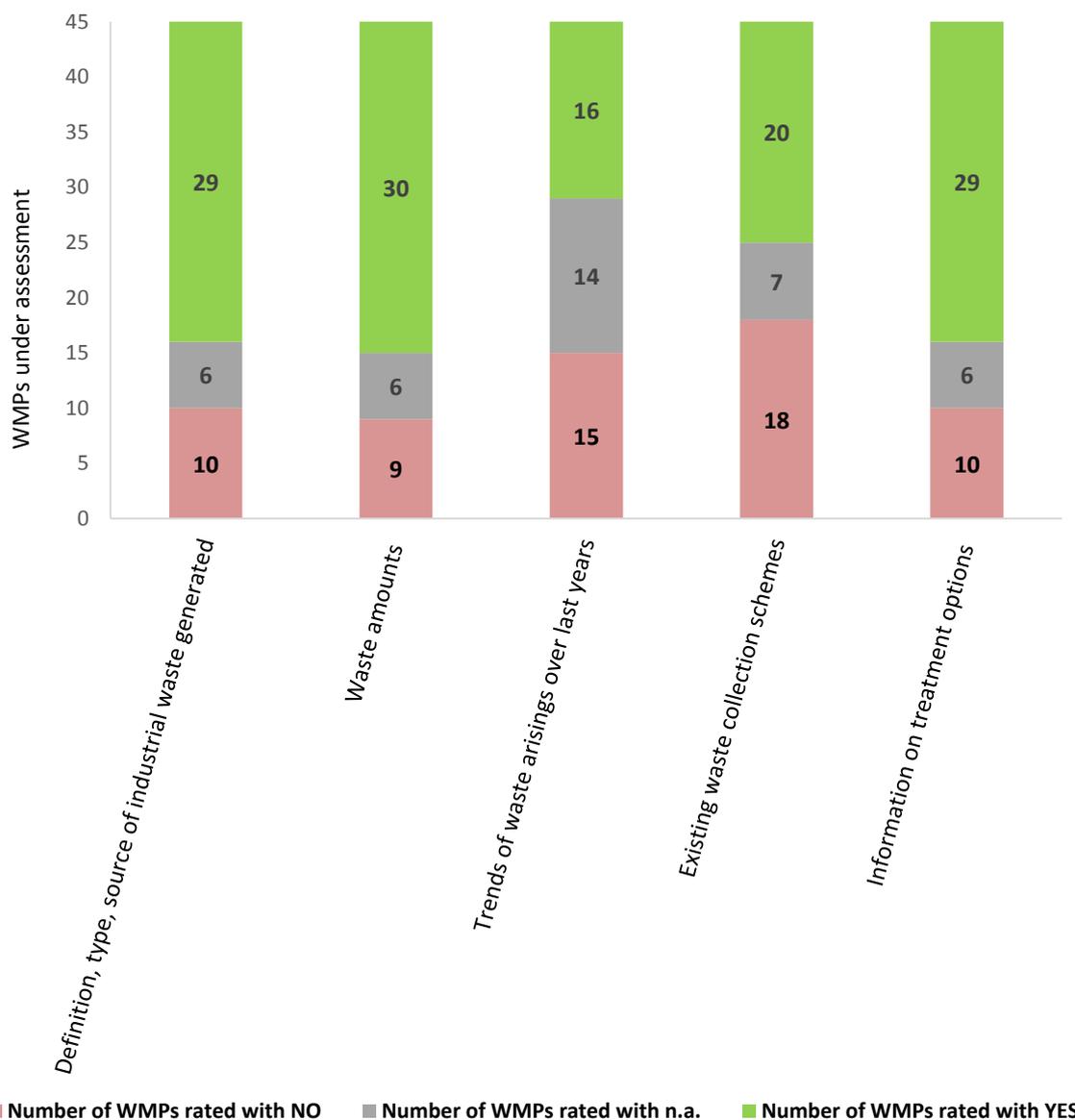


Figure 16: Overview of assessment results - information on industrial waste

The assessment results can be described in more detail for nine specific waste streams as included in the assessment (municipal waste excluded in this context). The figure below provides an overview of assessment criteria that have been rated with “NO” within the section “information on waste streams”, referring to the five assessment criteria which have been applied to all nine waste streams.

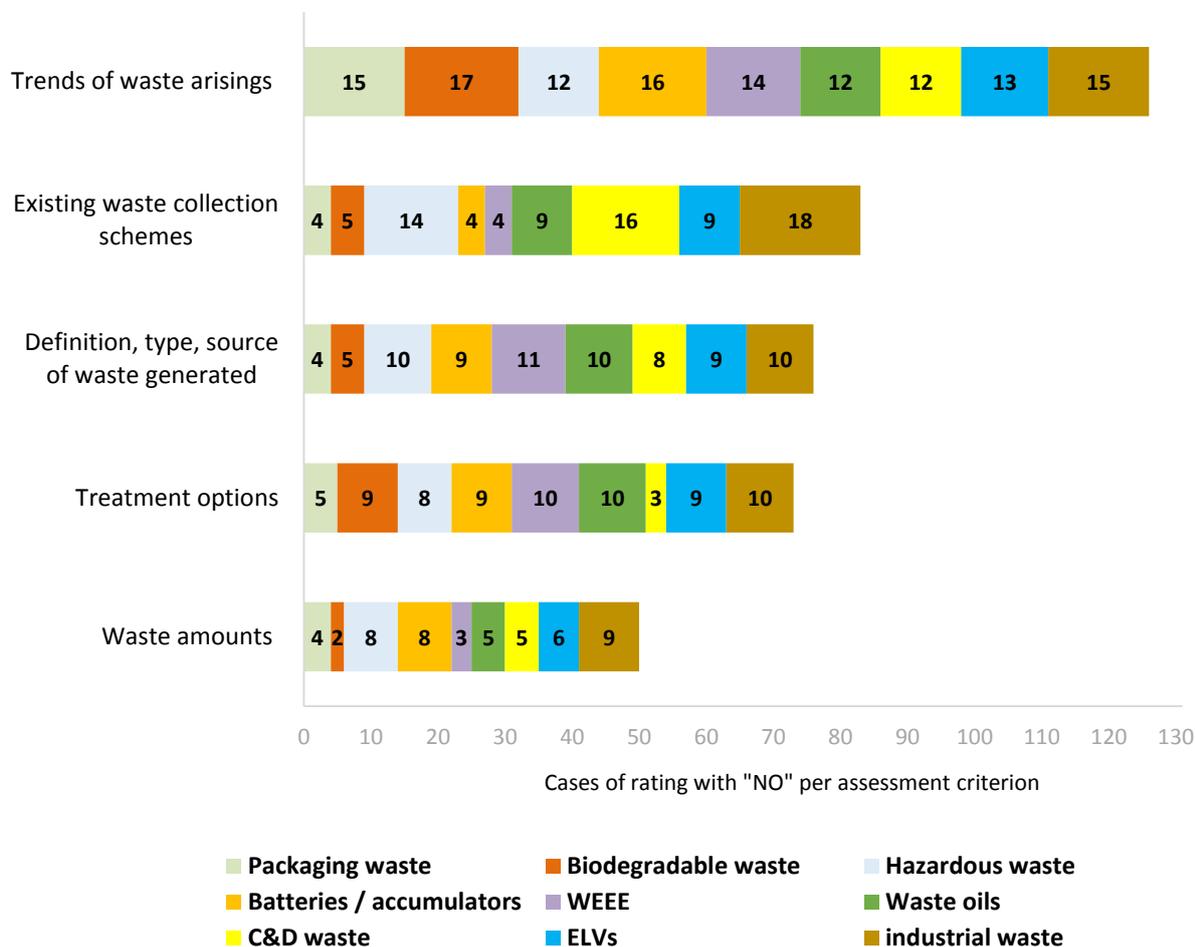


Figure 17: Overview of assessment criteria rated with “NO” for nine specific waste streams

From the figure above it can be seen that the assessment criterion “**trends of waste arisings over the last years**” is the least covered one within the section “information on waste streams”, being rated with “NO” in **126 cases** (note: the criterion has been evaluated for all 45 WMPs under assessment and for all nine specific waste streams in each evaluation report, resulting in a total of 405 cases). Further, the figure for example illustrates that missing information on “trends of waste arisings” especially can be observed for the waste stream biodegradable waste (17 ratings with “NO”).

Information on “**existing waste collection schemes**” is not included in a total of **83 cases**, followed by lacking information on “**definition, type, source of waste generated**” (in total **76 cases**), “**treatment options following the waste hierarchy**” (in total **73 cases**), and “**waste amounts**” (in total **50 cases**).

4.7 Information on policy instruments

Beside the evaluation and planning of infrastructure, the application of policy instruments including economic, legal, administrative and informative instruments is crucial to support environmentally sound waste management, as required by Articles 28 (4) (b) and (c) of the WFD. Therefore, it has been assessed if the WMPs place emphasis on such instruments, which have been applied in the past or are planned to be implemented in the future.

The evaluation of all 45 WMP assessments led to the following results:

Does the WMP include information on policy instruments?		Number of WMPs rated with YES	Number of WMPs rated with NO
6.1	Identification of set of instruments	43	2
6.2	Evaluation of usefulness and suitability	42	3
6.3	Economic instruments	43	2
6.4	Legal instruments	44	1
6.5	Administrative instruments	42	3
6.6	Informative instruments	45	-

As shown in the table above, almost all WMPs under assessment include information on policy instruments and have therefore been rated with “YES”. However, even if the majority of WMPs include information on all six assessment criteria, it has to be emphasised that

- often only rather general information is provided, not elaborating on specific instruments in detail;
- in most WMPs, it is not clearly indicated whether the policy instruments are already in place or planned;
- a lack of additional information, such as schedule or responsibilities for the implementation of new policy instruments, could be identified.

5 Conclusion

The assessment of 45 WMPs from 18 different Member States reveals that there are still major discrepancies in the proper implementation of the Waste Framework Directive as regards the drafting of Waste Management Plans. 18 WMPs have been rated as “Substandard”, failing to properly address mandatory elements as required by Articles 28 (1) to (3) and (5) of the WFD. Especially the elements **“location criteria for site identification”** and **“separate chapter on packaging waste”** often show responsible for non-compliance. Even if the minimum requirements of the WFD are fulfilled by 24 WMPs, there is considerable room to improve such plans. Often, targets and requirements based on the WFD and the connected waste legislation (Landfill Directive, Packaging Directive, WEEE Directive, Batteries Directive, and ELV Directive) are not properly addressed. To be emphasised is the **lack of distance to target information** for the waste streams **batteries and accumulators and ELVs**. Further, information on specific waste streams often is not sufficiently included. For example, **trends of waste arisings over the last years** (time-lines of waste generation data) are identified as major information gap for all specific waste streams under assessment. Only three WMPs provide for a thorough analysis of the status quo and the planning period and achieve a good quality of waste management planning.

Further, it has to be emphasised that in the case that WMPs are prepared at national AND regional levels, it is not always easy to extract what issues have to be covered at what level(s), in particular leaving room for interpretation what has to be included in the regional WMPs.

Waste management plans play a key role in achieving sustainable waste management and are of high importance in the transition towards a circular economy. To further improve the quality of waste management planning as well as compliance with and implementation of EU waste legislation, Member States have to increase their efforts. A very important issue identified in carrying out the project is the cooperation between national and regional authorities responsible for waste management planning. To ensure that all waste management issues within a MS are sufficiently covered at different administrative levels, it is highly recommended to foster cooperation, i.e. the national authority should clearly assign different waste management tasks to the national and regional level and for example review regional waste management plans. Guidance documents such as “Preparing a Waste Management Plan. A methodological guidance note” or the recommendations as included in chapter 6 of this report can serve as important planning tools. Taking into account the main findings of this project, the European Commission should provide further assistance in developing more coherent and appropriate planning practices across the EU Member States. Assessment criteria, which often have not been properly covered in the WMPs under assessment, could be further specified, i.e. by providing clarification at EU level what exactly to include in a WMP/to what extent criteria have to be described to be sufficiently covered.

6 Annex: Recommendations on how to prepare a good waste management plan

The methodological guidance note “Preparing a waste management plan” of the European Commission already provides assistance for waste management planning and promotes the development of more coherent and appropriate planning practices across the EU Member States, in compliance with the requirements of the relevant EU legislation:

European Commission, Directorate-General Environment (2012): Preparing a Waste Management Plan. A methodological guidance note. Drafted by members of the ETAGIW Consortium (Expert team for assessment and guidance for the implementation of Waste legislation (UBA GmbH, Vienna, BiPRO GmbH, Munich, and ETC, Bratislava)).

Available at: http://ec.europa.eu/environment/waste/plans/pdf/2012_guidance_note.pdf.

In the following sub-chapters, further recommendations on “how to prepare a good waste management plan” are given:

- The “general recommendations” (chapter 6.1) take into account the results of the WMP assessments and reflect the assessment criteria of the chapters 1.7 – 1.11 that have been developed for the detailed evaluation report within this project.
- The “specific recommendations” (chapter 0 of this report) take into account the results of the WMP assessments and reflect the assessment criteria of the chapters 1.1 – 1.6 that have been developed for the detailed evaluation report within this project.

6.1 General recommendations

Data and information sources (status quo):

- Clearly indicate reference year for all statistical data presented in the WMP
- Clearly indicate which information sources have been used to prepare the WMP and how such data was retrieved (i.e. annual data, survey etc.); include a short explanation (i.e. annual reporting obligation of waste producer etc.)
 - ➔ draw a distinction between data sources in terms of waste generation, waste collection and waste treatment
- Timeliness of waste data: ensure that data can be regarded as “reasonably current”
- Time-line for waste generation: include information on waste generation in the past for all waste streams covered by the WMP if possible
- Apply the same unit (e.g. tonnes/year and kg/capita/year) regarding past, present, and future data
- Compare national/regional waste data that shall be presented against EUROSTAT statistics (if available) or other official information sources (i.e. national statistical office); address any discrepancies between different data sources
- Present data in tables, graphs, maps etc.

Forecast/prognosis

- Include detailed information on the method or the model for estimating future municipal waste generation
- Include detailed information on the method or the model for estimations with regard to new waste collection schemes for municipal waste
- Include detailed information on the method or the model for estimations with regard to the treatment capacity forecasting
 - ➔ Make a clear prognosis on how the overall management system for municipal waste is expected to look like in the target year, linking estimated waste amounts with the future collection scheme and required treatment capacities
- Link forecast / prognosis with targets to be achieved

Structure of the WMP:

- Consult the methodological guidance note “Preparing a waste management plan” (as cited above)
- If suitable, apply the same structure for the description of each waste stream covered by the plan (of course, there should be a greater level of detail for the most important/priority/complex waste streams)

Example:

- **Waste stream 1**
 - ❖ Definition and differentiation
 - ❖ Legislative and policy context (EU level, national level, regional level) (addressing targets and requirements)
 - ❖ Current management situation (organisational aspects, trends, waste amounts, waste collection, treatment options, treatment facilities etc.)
 - ❖ Need for action
 - ❖ Targets and measures (linked with targets and requirements of the WFD and connected waste legislation / distance to target)
- **Waste stream 2**
 - ❖ Definition and differentiation
 - ❖ Legislative and policy context (EU level, national level, regional level) (addressing targets and requirements)
 - ❖ Current management situation (organisational aspects, trends, waste amounts, waste collection, treatment options, treatment facilities etc.)
 - ❖ Need for action
 - ❖ Targets and measures (in connection with targets and requirements of the WFD and connected waste legislation / distance to target)
- **Waste stream 3**
 - ❖
- Prepare a specific chapter on policy instruments:
 - ❖ Overview and description of existing policy instruments
 - ❖ sub-chapters on economic, legal, administrative, and informative instruments
 - ❖ Evaluation of usefulness and suitability of policy instruments
 - ❖ Schedule and responsibilities for adaption of existing/implementation of new policy instruments

The use of background documents/background studies:

- In order to keep the WMP short and concise, some countries produce 'background documents', e.g. to present complete waste generation prognosis and statistics, feasibility studies and other complex information. Usually those documents are not legally adopted. Therefore it is important to note that all planning, forecasting and policy parts need to be presented in the actual WMP and that in case that additional data is presented in documents outside the WMP, a clear reference is included in the WMP.

6.2 Specific recommendations

Information to be included	Specification
A. General information The WMP should include a short section summarising basic information.	
Type of document	Specify if the WMP is a revision (new plan) or an amendment (adaption of an already existing plan)
Types of waste covered	Clearly indicate the types of waste covered by the WMP / not covered by the WMP
Application period and legal adoption	Indicate the application period of the WMP and the date of legal adoption of the WMP. If the WMP is in draft status, please specify schedule for adoption (if available)
Review period	Indicate the competent authority/ies in charge for drafting/reviewing the WMP at the level applicable
Competent authority/ies for drafting WMP	Indicate the competent authority/ies in charge for drafting/reviewing the WMP at the level applicable; Indicate if other authorities are involved in waste management planning
Competent authority/ies for implementing WMP	Specify the competent authority/ies in charge for implementing the WMP at the level(s) applicable (national/regional/local)
B. Information on waste management planning structure within the Member State Article 28 of the WFD specifies that “those plans [WMPs] shall, alone or in combination, cover the entire geographical territory of the Member State concerned”. To ensure that the entire territory and different levels concerned are covered, the WMP should include a short explanation of the overall waste management planning structure.	
Information on administrative structure	Include a short overview of the administrative structure of waste management planning within the country (i.e. only national plan exists, only regional plans, etc.)
Sectoral plans	In cases where other sectoral plans exist at the level concerned, provide title and if available link to plans; clearly indicate which waste streams are covered by sectoral plan(s)
Coverage of the entire territory	Specify if the WMP alone or in combination covers the entire territory
In case that waste management planning is carried out at different administrative levels	Specify which issues are to be covered by different administrative levels (i.e. information on waste shipments is to be included in national WMP only but not in regional WMPs, certain waste streams/issues are only covered by national level, etc.)

Information to be included	Specification
<p>C. Information as required under the Waste Framework Directive</p> <p>To ensure compliance with the WFD, the WMP should at least include information as required by Articles 28 (1) to (3) and (5) of the WFD.</p>	
<p>Analysis of current waste management situation (Art. 28 (2) WFD)</p>	
<p>Definition, type, source of municipal waste generated (Art. 28 (3) (a) WFD)</p>	<p>Include information on</p> <ul style="list-style-type: none"> • definitions, differentiation of waste streams and information on source of waste • shares, percentages of specific streams on total amount • if available provide information on methodology of determination of waste composition
<p>Waste amounts (Art. 28 (3) (a) WFD)</p>	<ul style="list-style-type: none"> • total amount/year (e.g. tonnes/year) • amount per capita (e.g. kg/capita/year)
<p>Future waste arisings (Art. 28 (3) (a) WFD)</p>	<ul style="list-style-type: none"> • development in the future (e.g. increasing/ decreasing total amounts) • estimations, forecasts, prognosis, timelines, major changes
<p>Existing waste collection schemes (Art. 28 (3) (b) WFD)</p>	<ul style="list-style-type: none"> • who is responsible (municipalities, private companies) • waste stream(s) covered by system • coverage of territory with collection infrastructure • distinction between door-to-door collection and bring systems
<p>Major disposal and recovery installations (Art. 28 (3) (b) WFD)</p>	<ul style="list-style-type: none"> • number and type of installations, capacities • if available, also include detailed information on installations and capacities for specific waste streams
<p>Waste shipments (Art. 28 (3) (a) WFD)</p>	<ul style="list-style-type: none"> • amounts, proportion of waste exported • country (region) of destination, etc. • information on projections/forecast of waste shipments
<p>Special arrangements (Art. 28 (3) (b) WFD)</p>	<ul style="list-style-type: none"> • Include information on special arrangements for at least waste oils and hazardous waste.
<p>Measures to improve environmentally sound treatment (Art. 28 (2) WFD)</p>	
<p>Assessment of the need for new collection schemes (Art. 28 (3) (c) WFD)</p>	<ul style="list-style-type: none"> • who is responsible (municipalities, private companies) • waste stream(s) covered • description of the system

Information to be included	Specification
Additional waste installations infrastructure (Art. 28 (3) (c) WFD)	<ul style="list-style-type: none"> • type and number of planned installations, schedule • information at least for waste disposal installations and installations for recovery of mixed municipal waste
Capacity of future disposal and major recovery installations (Art. 28 (3) (d) WFD)	<ul style="list-style-type: none"> • planned capacities for installation • annual throughput, total capacity
Location criteria for site identification (Art. 28 (3) (d) WFD)	<ul style="list-style-type: none"> • make reference to location criteria (include information in WMP or refer to other documents including a short description)
Closure of existing waste installations (Art. 28 (3) (c) WFD)	<ul style="list-style-type: none"> • type and number of installations to be closed, schedule • in case there are no installations to be closed, this should be mentioned
General waste management policies and evaluation (Art. 28 (2) WFD)	
Description of waste policies (Art. 28 (3) (e) WFD)	<ul style="list-style-type: none"> • describe general waste policies, e.g. targets, key objectives, key features
Planned waste management technologies/ methods (Art. 28 (3) (e) WFD)	<ul style="list-style-type: none"> • describe planned waste management technologies and methods, and policies for specific waste streams (e.g. cascade use, MBT, incineration)
Policies for waste posing specific management problems (Art. 28 (3) (e) WFD)	<ul style="list-style-type: none"> • include information on waste streams with specific management problems (priority waste streams) • describe policies for priority waste streams of your country/region
Evaluation of WMP (Art. 28 (2) WFD)	<ul style="list-style-type: none"> • include information on how the plan will support the implementation of objectives and provisions of WFD • evaluation method
Information on specific wastes (Art. 28 (5) WFD)	
Packaging waste (Art. 28 (5) WFD)	<ul style="list-style-type: none"> • include a separate chapter on packaging waste in the WMP
Biodegradable municipal waste (Art. 28 (5) WFD)	<ul style="list-style-type: none"> • include information on the strategy for the implementation of the reduction of biodegradable waste going to landfills, referred to in Article 5 of Directive 1999/31/EC

Information to be included	Specification
<p>D. Information on fulfilment of targets and requirements</p> <p>Information on targets and requirements based on the WFD and the connected waste legislation should be included in the WMP, clearly indicating to what extent the targets have been fulfilled or with distance to target information (status quo, achievements, and prognosis). In addition, information on planned measures/actions to fulfil targets/requirements shall be included in the WMP.</p>	
<p>Separate collection (Art. 11 (1) WFD)</p>	<ul style="list-style-type: none"> • Requirement: separate collection for at least paper, metal, plastic and glass by 2015 • Include information on the coverage of the territory with collection infrastructure for paper, metal, plastic, and glass • Include information on the separate collection rate achieved for paper, metal, plastic, and glass • Include a description of the status quo, achievements, and prognosis
<p>Preparing for re-use and recycling of municipal waste (Art. 11 (2) (a) WFD)</p>	<ul style="list-style-type: none"> • Target: preparing for re-use and the recycling of waste materials such as at least paper, metal, plastic and glass from households (and possibly from other origins as far as these waste streams are similar to waste from households) shall be increased to a minimum of 50 % by weight by 2020 (relate information to definition of municipal waste)
<p>Pre-treatment of municipal waste before landfilling (Article 6 Landfill Directive)</p>	<ul style="list-style-type: none"> • Requirement: pre-treatment before landfilling • Include information on percentages/total amounts pre-treated in comparison to overall (mixed) municipal waste amount • Include information on pre-treatment infrastructure for mixed municipal waste • Indicate if a landfill ban for untreated municipal waste is in place
<p>Packaging waste (Article 6 Packaging Directive)</p>	<ul style="list-style-type: none"> • Target: by 31.12.2008: <ul style="list-style-type: none"> – Recovery: 60 % as a minimum by weight of packaging waste – Recycling: as a minimum 55 % by weight of packaging waste, 60 % by weight for glass, 60 % by weight for paper and cardboard; 50 % by weight for metals; 22,5 % by weight for plastics (counting exclusively material that is recycled back into plastics), 15 % by weight for wood
<p>Construction and demolition waste (Art. 11 (2) (b) WFD)</p>	<ul style="list-style-type: none"> • Target: preparing for re-use, recycling and other material recovery of non-hazardous construction

Information to be included	Specification
	and demolition waste (excluding soil) shall be increased to a minimum of 70% by weight
Biodegradable waste (Article 5 Landfill Directive)	<ul style="list-style-type: none"> • Target: Biodegradable waste from households diverted from landfills, 2009: reduction to 50% of the 1995 level, 2016: 35% (please mention possible derogation for your country; indicate if a landfill ban on biodegradable waste is in place)
WEEE (Articles 5, 6 and 7 WEEE Directive)	<ul style="list-style-type: none"> • Requirement: separate collection of WEEE, possibility to return WEEE free of charge (to municipal organised systems or distributor) • Target: for re-use, recycling and recovery by 2006 depending on WEEE category; minimum collection rate of 4 kg/inhabitant*year by 31.12.2015; minimum collection rate for 2016 (45 %)
Batteries and accumulators (Article 10 Batteries Directive)	<ul style="list-style-type: none"> • Requirement: separate collection of batteries • Target: collection rate 2012: 25 % , 2016: 45 %
Waste oils (Art. 21 (1) WFD)	<ul style="list-style-type: none"> • Requirement: separate collection of waste oils
Hazardous waste (Art. 18 WFD)	<ul style="list-style-type: none"> • Requirement: ban on mixing of hazardous waste
ELVs (Art. 7 ELV Directive)	<ul style="list-style-type: none"> • Target: <ul style="list-style-type: none"> – min. re-use and recovery 2015: 95 % (2006: 85 %) – min. re-use and recycling 2015: 85 % (2006: 70 %)
E. Information on waste streams To provide a comprehensive picture of the current waste management situation, it is recommended to include detailed information on all waste streams covered by the WMP.	
Municipal waste	
Definition, type, source of municipal waste generated (part of compliance check, see above)	<ul style="list-style-type: none"> • definition, differentiation of waste streams and information on source of waste • shares, percentages of specific streams on total amount • if available provide information on methodology of determination of waste composition
Waste amounts (part of compliance check, see above)	<ul style="list-style-type: none"> • total amount/year (e.g. tonnes/year) • amount per capita (e.g. kg/capita/year)
Trends of waste arisings over last years	<ul style="list-style-type: none"> • trends of waste arisings over the last few years (e.g. increasing/decreasing total amounts)

Information to be included	Specification
	<ul style="list-style-type: none"> • major changes (include explanation)
Existing waste collection schemes (part of compliance check, see above)	<ul style="list-style-type: none"> • who is responsible (municipalities, private companies) • waste stream(s) covered by system • coverage of territory with collection infrastructure • clear distinction between door-to-door collection and bring systems, including a detailed description of the collection scheme, i.e. number of collection points, bin volumes, etc.
Major disposal and recovery facilities (part of compliance check, see above)	<ul style="list-style-type: none"> • number and type of installations, capacities • at least provide information for the main fractions of municipal waste generated (i.e. mixed municipal waste, bio-waste,...)
Information on treatment options following the waste hierarchy	<ul style="list-style-type: none"> • current situation: data on share/percentage of applied treatment options for municipal waste (in total: 100 %): <ul style="list-style-type: none"> – preparing for re-use – recycling – other recovery – disposal for municipal wastes • information on waste prevention • progress made (development over time, improvements)
Historical contaminated waste disposal sites	<ul style="list-style-type: none"> • include information on historical waste disposal sites, mention if there are no historical contaminated waste disposal sites
Measures for rehabilitation	<ul style="list-style-type: none"> • include information on measures (existing, planned) for the rehabilitation of contaminated sites
Organisational aspects related to complete municipal waste management	<ul style="list-style-type: none"> • include information on the allocation of responsibilities between public and private actors for collection and treatment of municipal waste • clearly highlight differences between waste streams and describe organisational aspects for all relevant waste streams, i.e.: <ul style="list-style-type: none"> – (Mixed) municipal waste – Separately collected fractions (i.e. bio-waste, packaging waste, hazardous waste)

Information to be included	Specification
	<ul style="list-style-type: none"> - Specific wastes under EPR schemes (i.e. WEEE, batteries, ELVs, waste oils) • Please note: detailed information on the existing waste collection scheme can be included in sub-chapters on particular waste streams, however the organisation of the overall waste management system can be described before
<p>All other waste streams covered by the WMP should be addressed in separate chapters, e.g.:</p> <ul style="list-style-type: none"> • packaging waste • biodegradable waste • hazardous waste • batteries /accumulators • WEEE • waste oils • ELVs • C&D waste • industrial waste <p>Each sub-chapter should cover information as listed below.</p>	
Definition, type, source of waste generated	<ul style="list-style-type: none"> • insert definition/differentiation of waste stream and information on source of waste generated • clearly distinguish between the sources of waste generation, i.e. between household and industrial waste • in addition to a precise definition, waste types can be specified following the entries of the European List of Waste
Waste amounts	<ul style="list-style-type: none"> • total amount/year (e.g. tonnes/year) • amount per capita (e.g. kg/capita/year)
Trends of waste arisings over last years	<ul style="list-style-type: none"> • trends of waste arisings over the last few years (e.g. increasing/decreasing total amounts) • major changes (include explanation)
Existing waste collection schemes	<ul style="list-style-type: none"> • who is responsible (municipalities, private companies) • coverage of territory with collection infrastructure • clear distinction between door-to-door collection and bring systems, including a detailed description of the collection scheme, i.e. number of collection points, bin volumes, etc.

Information to be included	Specification
Information on treatment options following the waste hierarchy	<ul style="list-style-type: none"> • current situation: data on share/percentage of applied treatment options for waste amounts generated (in total: 100 %): <ul style="list-style-type: none"> – preparing for re-use – recycling – other recovery – disposal for municipal wastes • information on waste prevention • progress made (development over time, improvements)
Disposal and recovery facilities	<ul style="list-style-type: none"> • If possible, also include information on treatment facilities for specific waste streams (number of facilities, capacities) if not covered in the chapter on municipal waste
<p>F. Information on policy instruments</p> <p>The application of policy instruments including economic, legal, administrative and informative instruments is crucial to support environmentally sound waste management, as required by Article 28 (4) (b) and (c) of the WFD. Therefore, the WMP should include detailed information on policy instruments applied and planned.</p>	
Identification of set of instruments	<ul style="list-style-type: none"> • Include an overview on policy instruments applied and planned
Evaluation of usefulness and suitability	<ul style="list-style-type: none"> • evaluate existing policy instruments including an assessment of usefulness and suitability • describe method, outcome and changes for the future (i.e. adaption of existing instruments, implementation of new instruments)
Economic instruments	<p>Clearly describe economic instruments applied, i.e.</p> <ul style="list-style-type: none"> • taxation, e.g. landfill tax, incineration tax, others • waste pricing, in particular pay-as-you-throw (PAYT) • deposit-refund systems, e.g. glass/PET bottles, cans • ...
Legal instruments	<p>Clearly describe legal instruments applied, i.e.</p> <ul style="list-style-type: none"> • regulatory instruments, e.g. restrictions, bans, targets • producers' take-back of discarded products/ Extended producer responsibility (EPR), in particular WEEE, ELV, batteries/accumulators • sanctioning, penalties, fines • ...

Information to be included	Specification
Administrative instruments	<p>Clearly describe administrative instruments applied, i.e.</p> <ul style="list-style-type: none"> • information exchange tools, e.g. checklists for permitting and inspections, working instructions, standard protocols, shared databases, monitoring/tracking schemes for statistical purposes and/or control waste shipments, schedules, mapping of implementation • cooperation and advice services, such as capacity building and training programmes (for authorities, inspectors, policy, custom), cooperation between authorities (e.g. on permit procedures, consultations, data-bases, platforms), cooperation with operator and advisory services (e.g. prior to permit procedure, information on legal basis), cooperation with public, associations, NGOs, other stakeholders (hearings, internet, public notice) • administrative structures and procedures to foster adequate permitting and inspection as categorisation of waste treatment facilities, inspection plan/priorities • support for tendering procedures for municipalities
Informative instruments	<p>Clearly describe informative instruments applied, i.e.</p> <ul style="list-style-type: none"> • information and awareness campaigns addressing different targets groups (e.g. publications, brochures, guidelines, print and press media, internet, TV, radio and posters, calendars etc. with regard to campaigns) • eco-labelling schemes; marketing of products/packaging

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doi:10.2779/95980