WASTE DATA DICTIONARIES (DRAFT)

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Version 1.2

UN environment United Nations Environment Programme
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DRAFT DATA DESCRIPTION DOCUMENT

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1. Introduction

This document provides a description of the data sets required for calculating the selected Horizon 2020 Waste Management Indicators (see Annex 1), thereby referred to as "Data Description Document". It will feed into the Data Dictionary of the Info-RAC system - a central service for storing technical specifications for information requested in reporting, with the purpose of supporting countries in reporting good quality data.

2. Overview of H2020/NAP Waste Management Indicators

No.	Title of indicator	Sub-indicators
IND 1	**Municipal Waste Generation**	IND 1.A Municipal waste composition; IND 1.B Plastic waste generation per capita; IND 1.C % of population living in Coastal Areas; IND 1.D % of Tourists in Coastal Areas / Population in Coastal Areas
IND 2	**"Hardware" of waste management**	IND 2.A Waste Collection IND 2.A.1 Waste Collection Coverage IND 2.A.2 Waste Captured by the formal waste sector. IND 2.B Environmental Control IND 2.B.1 % of waste to uncontrolled dumpsites IND 2.B.2 Uncontrolled dumpsites in Coastal Areas IND 2.B.3 Waste going to dumpsites in Coastal Areas IND 2.C Resource Recovery IND 2.C.1 % of plastic waste generated that is recycled.
IND 3	**"Software" of waste management**	3.A MARINE LITTER & WASTE MANAGEMENT FRAMEWORK IND 3.A.1 Is there a National Assessment for ML and its impacts?

		IND 3.A.2 Is there a National Plan or Strategy for ML? IND 3.A.3 Is there a National Plan or Strategy for Waste Management? IND 3.A.4 Is there a National Law on Waste? IND 3.A.5 Is there a national plan or target to close the dumpsites before 2030? IND 3.A.6 Is there a National Information system for waste management in place? 3.B RESOURCE RECOVERY IND 3.B.1 Is there a National Plan or Strategy for Waste Prevention? IND 3.B.2 Are there mandatory targets for recycling - recovery of packaging waste? IND 3.B.3 Are there EPR or Deposit- Return schemes for packaging waste? IND 3.B.4 Are there national policies to eliminate or reduce single-use plastics? IND 3.B.5 Are there financial incentives for reuse – resource recovery activities? 3.C SUSTAINABLE CONSUMPTION AND PRODUCTION IND 3.C.1 Are there Sustainable Consumption and Production plans or strategies? IND 3.C.2 Are there green procurement rules for the public sector in place? IND 3.C.3 Are there policies to support sustainable tourism? IND 3.C.4 Are there policies to support eco-labelling and eco-design?

3. Description of Indicators

IND 1: Municipal Waste Generation Dataset definition

Sub-indicators	IND 1.A Municipal waste composition; IND 1.B Plastic waste generation per capita; IND 1.B Plastic waste generation per capita; IND 1.C % of population living in Coastal Areas; IND 1.C % of population living in Coastal Areas; IND 1.C % of population living in Coastal Areas;
Key words	Solid waste, municipal solid waste, plastic waste,
Spatial coverage	National level and coastal administrative regions of Mediterranean Sea watershed as defined in section 3.1 of the "Updated guidelines to assess national budget of pollutants (NBB)" [UNEP(DEPI)/MED WG. 404/4].
Dataset relevance	This indicator and its sub-indicators are describing the pressure and the drivers for ML. The indicator was already in use in H2020, as well as in several other relevant documents. More specifically, the waste quantity on a national level is somehow representative of the pressure on a national level.
Parameters	Tons per year (on the geographical scale defined) Kg/cap/year (on the geographical scale defined
Methodology for obtaining data	Delivered by country
Planned update frequency	Every 1 years

Overview of data tables

Data table	Name	Definition	Short description
1.	**Municipal Waste Generation**	Municipal Solid Waste (MSW) generated per year. MSW is generated by households, and wastes of a similar nature generated by commercial and industrial premises, by institutions such as schools, hospitals, care homes and prisons, and from public spaces such as streets, markets, slaughter houses, public toilets, bus stops, parks, and gardens' (see UN-Habitat1)	Tons/year Kg/cap/year <u>Country level</u> Total population Total MSW

[1] http://www.waste.nl/sites/waste.nl/files/product/files/swm_in_world_cities_2010.pdf. (page 6).

1.A	**Municipal Solid Waste Composition**	Summary w/w% composition of MSW as generated. Data points used for 5 key fractions – all as % wt. of total MSW generated as follows: Organic, Plastic, Paper, Metal, Rest	w/w % on wet basis <u>Country-level</u> Organic % Plastic % Paper % Metal % Rest %
1.B	**Plastic waste generation per capita**	Average annual plastic waste generation per capita. The plastic waste fraction includes mostly packaging wastes, such as PET, PVC, polypropylene, high and low density polyethylene (HDPE/LDPE) and polystyrene.	Kg/cap/year <u>Country level</u> Total population Total MSW (IND 1) Plastic % (IND 1.A)
1.C	**% of population in Coastal Areas / Total Population**	Percentage of population living in coastal areas to total population	% of population <u>Country level</u> Total Population Population in Coastal Area
1.D	**% of Tourists in Coastal Areas / Population in Coastal Areas**	Percentage of Tourists in Coastal Areas to Population in Coastal Areas	% of population in Coastal Area; Population in coastal area; Tourists in Coastal Area.

Data table 1: Total municipal solid waste (MSW) generation on a specific geographical level

	Column name	Column definition	Methodology	Data specifications	Equivalent in WISE if exist
1.	Country_Code	Country codes as defined in the codelist	ISO 3166-I-alpha-3, Codes elements as defined in codelist (i)	Type of element: common Datatype: integer Size: 3	
2	Administrative _Region	Administrative regions located in drainage basins that outflow into the Mediterranean. Administrative regions as defined in the codelist	List of regions from NBB info system	Type of element: common Datatype:-integer Min. size: 3 Max. size: 4	**Optional**, it is advised to calculate in national level
3	Year_H2020	Year for which data is available	Use the format YYYY	Type of element: common Datatype: date Min. size: 4 Max. size: 4 Min. value: 2003 Max. value: current year	
4.	MSW_Gen	Quantity of municipal solid waste generated (tonnes/year)	Calculated by aggregating the waste generated in Administrative _Region Calculated in national level	Type of element: common Datatype: decimal Decimal precision: 2 Unit: metric tonnes per year Min. size: 3 Max. size: 10 Min. value: 0.01 Max. value: 10,000,000.00	Optional: Option 1
		Quantity of municipal solid waste generated (tonnes/year)	Estimated by kg per capita per reference Year_H2020 optionally per reference Administrative _Region	Type of element: common Datatype: decimal Decimal precision: 2 Unit: metric tonnes per year Min. size: 3 Max. size: 10	Optional: Option 2

				Min. value: 0.01 Max. value: 10,000,000.00	
5.	Data_Collection_Method	Method of data collection	Assessments from the waste collection system in regional or and national level; Records from the local/national waste transfers, treatment and disposal facilities; (landfills)	Type of element: common Datatype: integer ~~Min. size: 4~~ Size: 3	
			Assessments based on the population using **proper waste generation rates**		
6.	Remarks	Remarks, comments or explanatory notes (free text)		Type of element: common Datatype: blob Min. size: 0 Max. size: 4096	

Data table 1A: Municipal Solid Waste Composition

	Column name	Column definition	Methodology	Data specifications	Equivalent in WISE if exist
1.	Country_Code	Country codes as defined in the codelist	ISO 3166-I-alpha-3, Codes elements as defined in codelist (i)	Type of element: common Datatype: integer Size: 3	
2.	Administrative_Region	Administrative regions located in drainage basins that outflow into the Mediterranean. Administrative regions as defined in the codelist	List of regions from NBB info system	Type of element: common Datatype:-integer Min. size: 3 Max. size: 4	**Optional**, it is advised to calculate in national level
3.	Year_H2020	Year for which data is available	Use the format YYYY	Type of element: common Datatype: date Min. size: 4 Max. size: 4 Min. value: 2003 Max. value: Today() function	
4.	Frc_ID_MSW	Summery composition of MSW. MSW fraction Codelist iii.	Municipal waste composition fractions in percentage Calculated in national level	Type of element: common Datatype: decimal Decimal precision: 2 Unit: percentage of ratio metric tonnes per year Min. size: 3 Max. size: 5 Min. value: 0.01 Max. value: 100.00	
5.	Data_Collection_Method	Method of data collection	Country ; for calculation, Option 1 or for estimation Option 2		
6.	Remarks	Remarks, comments or explanatory notes (free text)		Type of element: common Datatype: Blob	

				Max. size: 4096	

Data table 1B: Plastic waste generation per capita

	Column name	Column definition	Methodology	Data specifications	Equivalent in WISE if exist
1.	Country_Code	Country codes as defined in the codelist	ISO 3166-I-alpha-3, Codes elements as defined in codelist (i)	Type of element: common Datatype: integer Size: 3	
2.	Administrative_Region	Administrative regions located in drainage basins that outflow into the Mediterranean. Administrative regions as defined in the codelist	List of regions from NBB info system	Type of element: common Datatype:-integer Min. size: 3 Max. size: 4	**Optional**, it is advised to calculate in national level
3.	Year_H2020	Year for which data is available	Use the format YYYY	Type of element: common Datatype: date Min. size: 4 Max. size: 4 Min. value: 2003 Max. value: Today() function	
4.	Frc_ID_MSW	Summery composition of MSW. MSW fraction Codelist iii.	Municipal waste composition fractions in percentage Calculated in national level	Type of element: common Datatype: decimal Decimal precision: 2 Unit: percentage of ratio metric tonnes per year Min. size: 3 Max. size: 5 Min. value: 0.01 Max. value: 100.00	
5.	Data_Collection_Method	Method of data collection	Country ; for calculation, Option 1 or for estimation Option 2		
6.	Remarks	Remarks, comments or		Type of element: common	

		explanatory notes (free text)		Datatype: Blob Max. size: 4096	

Data table 1.C: % of population in Coastal Areas / Total Population

	Column name	Column definition	Methodology	Data specifications	Equivalent in WISE if exist
1.	Country_Code	Country codes as defined in the codelist	ISO 3166-I-alpha-3, Codes elements as defined in codelist (i)	Type of element: common Datatype: integer Size: 3	
2.	Administrative_Region	Administrative regions located in drainage basins that outflow into the Mediterranean. Administrative regions as defined in the codelist	List of regions from NBB info system Codelist X Select the administrative region which are within 100 km buffer zone.	Type of element: common Datatype:-integer Min. size: 3 Max. size: 4	
4.	Year_H2020	Year for which data is available	Use the format YYYY	Type of element: common Datatype: date Min. size: 4 Max. size: 4 Min. value: 2003 Max. value: Today() function	
5.	Pops_Costal_Area	Population in coastal areas, according the recent UN work on SDGs, is the population living within 100 km of the coastline[2].	Latest census UNSD methodology	Type of element: common Datatype: decimal Decimal precision: 2 Unit: percentage of people per square kilometer Min. size: 3 Max. size: 5 Min. value: 0.01 Max. value: 100.00	

[2] http://www.un.org/esa/sustdev/natlinfo/indicators/methodology_sheets/oceans_seas_coasts/pop_coastal_areas.pdf

6.	Data_Collection_Method	Method of data collection	UNSD or national data	Type of element: common Datatype: integer Size: 3	
7.	Remarks	Remarks, comments or explanatory notes (free text)		Type of element: common Datatype: Blob Max. size: 4096	

Data table 1.D: % of Tourists in Coastal Areas / Population in Coastal Areas

	Column name	**Column definition**	**Methodology**	**Data specifications**	**Equivalent in WISE if exist**
1.	Country_Code	Country codes as defined in the codelist	ISO 3166-I-alpha-3, Codes elements as defined in codelist (i)	Type of element: common Datatype: integer Size: 3	
2.	Administrative_Region	Administrative regions located in drainage basins that outflow into the Mediterranean. Administrative regions as defined in the codelist	List of regions from NBB info system	Type of element: common Datatype:-integer Min. size: 3 Max. size: 4	
3.	Year_H2020	Year for which data is available	Use the format YYYY	Type of element: common Datatype: date Min. size: 4 Max. size: 4 Min. value: 2003 Max. value: Today() function	
4.	Tourist_Costal area	Number of tourist visiting the	Tourists and visitors are defined	Type of element: common	

		administrative regions per Year_H2020	according the UN World Tourism Organization[3] "Tourism comprises the activities of persons travelling to and staying in places outside their usual environment for not more than one consecutive year for leisure, business and other purposes not related to the exercise of an activity remunerated from within the place visited." Equivalent of a single permanent resident: The residential population has been thought to stay the whole year within the area, 365 days (the number of days taken for holiday by the residential population assumes covers up the seasonal population who is not included in the overnight stays statistics). Thus, the equivalent of one permanent resident is equal with 365 overnight stays[4]	Datatype: integer Unit: person per year Min. size: 1 Max. size: 8 Min. value: 1 Max. value: 99,999,999	
5.	Data_Collection_Method	Method of data collection	National statistical data. The visiting tourist number can be obtained by ministry of tourism,	Type of element: common Datatype: integer Size: 3	

[3] SeeUN, Department of Economic and Social Affairs Statistics Division International Recommendations for Tourism Statistics 2008, https://unstats.un.org/unsd/publication/Seriesm/SeriesM_83rev1e.pdf#page=21

[4] EU, EUROSTAT, Methodological work of measuring the sustainable development of tourism, Part 2: Manual of sustainable development indicators of tourism, 2006. https://ec.europa.eu/eurostat/documents/3888793/5834249/KS-DE-06-002-EN.PDF/178f8c9a-4a03-409c-b020-70ff7ef6803a

			local municipalities, hotels and statistical offices		
6.	Remarks	Remarks, comments or explanatory notes (free text)		Type of element: common Datatype: Blob Max. size: 4096	

IND 2: "HARDWARE" OF WASTE MANAGEMENT

Dataset definition

Sub-indicators	IND 2.A Waste Collection IND 2.A.1 Waste Collection Coverage IND 2.A.2 Waste Captured by the formal waste sector IND 2.B Environmental Control IND 2.B.1 % of waste to uncontrolled dumpsites IND 2.B.2 Uncontrolled dumpsites in Coastal Areas IND 2.B.3 Waste going to dumpsites in Coastal Areas IND 2.C Resource Recovery IND 2.C.1 % of plastic waste generated that is recycled
Key words	Municipal Solid waste, waste collection, landfills, recycling
Spatial coverage	National level and coastal administrative regions of Mediterranean Sea watershed as defined in section 3.1 of the "Updated guidelines to assess national budget of pollutants (NBB)" [UNEP(DEPI)/MED WG. 404/4].
Dataset relevance	This indicator and its sub-indicators are describing the pressure and the drivers for ML. The indicator was already in use in H2020, as well as in several other relevant documents. More specifically, the waste quantity on a national level is somehow representative of the pressure on a national level.
Parameters	Tons per year (on the geographical scale defined) Kg/cap/year (on the geographical scale defined)
Methodology for obtaining data	Delivered by country
Planned update frequency	Every 2 years

Overview of data tables

Data table	**Name**	**Definition**	**Short description**
IND 2.A.	**Waste Collection**	A 'collection service' may be 'door to door' or by deposit into a community container. 'Collection' includes collection for recycling as well as for treatment and disposal (so includes e.g. collection of recyclables by itinerant waste buyers). 'Reliable' means regular - frequency will depend on local conditions and on any preparation of the waste. For example, both mixed	Population Population covered by regular collection services (Wcc) Wf = Waste captured by the

Data table	Name	Definition	Short description
		waste and organic waste are often collected daily in tropical climates for public health reasons, and generally at least weekly; source- separated dry recyclables may be collected less frequently. **2.A.1: Waste Collection Coverage:** Percentage of the population of the country that is covered by a regular collection service organized either by public authorities or private companies. The indicator includes both formal municipal and informal sector services. **2.A.2: Waste captured by the system:** Percentage of waste generated that is actually handled completely by the formal waste management and recycling system, thus the waste that is not lost through illegal burning, burying or dumping in unofficial areas.	formal waste sector W = Total waste generated (IND1)
IND 2. B.	**Environmental Control**	Percentage of the total municipal solid waste destined for treatment or disposal in either a state- of-the-art, engineered facility or a 'controlled' treatment or disposal site. **2.B.1: Waste that goes to dumpsites** Percentage of waste that goes to dumpsites. **2.B.2: Dumpsites in Coastal Areas** Number of dumpsites in Coastal Areas **2.B.3: Waste that goes to dumpsites in Coastal Areas.** Percentage of waste that goes to dumpsites in Coastal Areas	Wf = Waste captured by the formal waste sectors (Wf=Wr+Wu). W = Total waste generated Wr = Recycled and reused waste Wu = Waste delivered to dumpsites.

Data table	Name	Definition	Short description
IND 2.C	**Resource Recovery**	Percentage of total municipal solid waste generated that is recycled. It includes both materials recycling and organics valorisation/recycling (composting, animal feed, anaerobic digestion). **2.C.1: Plastic waste that is recycled** Percentage of total plastic municipal solid waste generated that is recycled. It includes materials recycling only.	Wf = Waste captured by the formal waste sector W = Total waste generated (IND1)

Data table 2A: Waste Collection

	Column name	Column definition	Methodology	Data specifications	Equivalent in WISE if exist
1.	Country_Code	Country codes as defined in the codelist	ISO 3166-I-alpha-3, Codes elements as defined in codelist (i)	Type of element: common Datatype: integer Size: 3	
2.	Administrative_Region	Administrative regions located in drainage basins that outflow into the Mediterranean. Administrative regions as defined in the codelist	List of regions from NBB info system	Type of element: common Datatype:-integer Min. size: 3 Max. size: 4	
3.	Year_H2020	Year for which data is available	Use the format YYYY	Type of element: common Datatype: date Min. size: 4 Max. size: 4 Min. value: 2003 Max. value: Today() function	
4.	Waste_Captured_Wf	The amount of waste captured by formal system, including landfills, recycling and compost.	Formal Waste Sector: Solid waste system, solid waste authorities, government, materials recovery facility; Solid waste management activities planned, sponsored, financed, carried out or, regulated and/or recognized by the formal local authorities or their agents, usually through contracts, licenses or concessions.	Type of element: common Datatype: integer Decimal precision: 2 Unit: kg per year Min. size: 3 Max. size: 7 Min. value: 1 Max. value: 1,000,000	
5.	Data_Collection_Method	Method of data collection	Codes elements as defined in codelist (ii): "*Field measurement"*	Type of element: common Datatype: integer	

			and *"Factor"*	Size: 3	
6.	Remarks	Remarks, comments or explanatory notes (free text)		Type of element: common Datatype: Blob Max. size: 4096	

Data table 2B: Environmental Control

	Column name	**Column definition**	**Methodology**	**Data specifications**	**Equivalent in WISE if exist**
1.	Country_Code	Country codes as defined in the codelist	ISO 3166-I-alpha-3, Codes elements as defined in codelist (i)	Type of element: common Datatype: integer Size: 3	
2.	Administrative _Region	Administrative regions located in drainage basins that outflow into the Mediterranean. Administrative regions as defined in the codelist	List of regions from NBB info system	Type of element: common Datatype:-integer Min. size: 3 Max. size: 4	
3.	Year_H2020	Year for which data is available	Use the format YYYY	Type of element: common Datatype: date Min. size: 4 Max. size: 4 Min. value: 2003 Max. value: today() function	
4.	Number_of_Dumpsites_Coastal Administrative_Regions	Administrative regions located in coastal administrative regions	Number of dumpsites which are Administrative regions within 100 km zone of the coast.	Type of element: common Datatype: decimal Decimal precision: 0 Unit: number Min. size: 1 Max. size: 100 Min. value: 1 Max. value: 100	

5.	Waste_recycled_and _reused_Wr	The amount of waste which is recycled, reused (incl.compost)	The quantity of waste which is recycled, sent for compost and are incinerated (if any)	Type of element: common Datatype: decimal Decimal precision: 2 Unit: kg per year Min. size: 3 Max. size: 7 Min. value: 1 Max. value: 1,000,000	
6.	Waste_Dumpsite_Wu	The amount of waste which is send to landfills	National, local records, of landfills, dumpsites and transfer stations	Type of element: common Datatype: decimal Decimal precision: 2 Unit: kg per year Min. size: 3 Max. size: 9 Min. value: 1 Max. value: 1,000,000	
7.	Data_Collection_Method	Method of data collection	Codes elements as defined in codelist (ii): "*Field measurement"* and *"factor"*	Type of element: common Datatype: integer Size: 3	
8.	Remarks	Remarks, comments or explanatory notes (free text)		Type of element: common Datatype: Blob Max. size: 4096	

Data table 2C: Resource Recovery

	Column name	**Column definition**	**Methodology**	**Data specifications**	**Equivalent in WISE if exist**
1.	Country_Code	Country codes as defined in the codelist	ISO 3166-I-alpha-3, Codes elements as defined in codelist (i)	Type of element: common Datatype: integer Size: 3	
2.	Year_H2020	Year for which data is available	Use the format YYYY	Type of element: common Datatype: date Min. size: 4	

IND 3: "SOFTWARE" OF WASTE MANAGEMENT

IND 3.A Marine Litter & waste management framework

				Max. size: 4 Min. value: 2003 Max. value: Today() function	
3.	Amount _ Recycled _Plastics	The amount of plastics which is recycled, reused	The quantity of waste which is recycled and reused (compost)(if any)	Type of element: common Datatype: decimal Decimal precision: 2 Unit: kg per year Min. size: 3 Max. size: 7 Min. value: 1 Max. value: 1,000,000	
4.	Data_ Collection_ Method	Method of data collection	For this calculation, since IND1 has been already calculated, it is necessary to recover data from both the formal and the informal sector. The recyclables from the formal sector are always registered and usually there are invoices or other receipts for their quantities.	Type of element: common Datatype: integer Size: 3	
5.	Remarks	Remarks, comments or explanatory notes (free text)		Type of element: common Datatype: Blob Max. size: 4096	

Column name	Column name	Geographical Coverage	Indicator parameters	Indicator units	Remarks
3.A.1 Is there a National Assessment for ML and its impacts?	The answer "yes" is given either if the relevant documents are officially approved or if they are under elaboration and they are going to be completed before the end of 2019.	National	YES or NO	Each "yes" counts 6.66%	
3.A.2 Is there a National Plan or Strategy for ML?	The answer "yes" is given either if the relevant documents are officially approved or if they are under elaboration and they are going to be completed before the end of 2019.	National	YES or NO	Each "yes" counts 6.66%	
3.A.3 Is there a National Plan or Strategy for Waste Management?	The answer "yes" is given only if the relevant documents are officially approved.	National	YES or NO	Each "yes" counts 6.66%	
3.A.4 Is there a National Law on Waste?	The answer "yes" is given only if the relevant documents are officially approved.	National	YES or NO	Each "yes" counts 6.66%	
3.A.5 Is there a specific plan or a specific target to close the dumpsites before 2030?	The answer "yes" is given only if there is such a specific target in the National Plan or Strategy or if there is a specific plan for the closure of dumpsites.	National	YES or NO	Each "yes" counts 6.66%	

3.A.6 Is there a National Information System for waste management in place?	The answer "yes" is given only if there is an existing, operational National Information System for waste management or if waste management consists a sub-system of a broader Environmental Information System.	National	YES or NO	Each "yes" counts 6.66%	

Annex 1: Code lists

i. List of country codes

ISO 3166-1-alpha-2 code
http://www.iso.org/iso/home/standards/country_codes/country_names_and_code_elements.htm

Value	name	Short name	ISO 2 Code
8	Albania	ALB	AL
12	Algeria	DZA	DZ
70	Bosnia and Herzegovina	BIH	BA
818	Egypt	EGY	EG
376	Israel	ISR	IL
400	Jordan	JOR	JO
422	Lebanon	LBN	LB
434	Libya	LBY	LY
499	Montenegro	MNE	ME
504	Morocco	MAR	MA
275	Palestine, State of	PSE	PS
788	Tunisia	TUN	TN
792	Turkey	TUR	TR

ii. Code list of Administrative Regions

Code list from NBB Infosystem

iii. Method of data collection code list

Value	Definition	Short description
500	Field measurement method	Field measurement
600	Waste generation rates methods	Factor
700	National inventories for management of municipal solid waste compiled by official public agencies.	National inventories
800	Official reports compiled by sanitary landfills	Compiled official reports

iv. Code List of MSW Fractions

Frc_ID	Name	
1	Organic fraction % w/w	The 'organic' fraction is defined primarily as kitchen and food waste from households and restaurants; market wastes; green, garden or yard waste, including wood from pruning trees in public parks and/or along roads; and similar. It excludes paper, cardboard, textiles, leather, and wood from packaging or furniture. Please note whether some organic waste is likely to have been reported as part of another fraction – e.g. if MSW is routinely mixed with sand or soil during collection (so that the 'fine fraction' is likely to include a portion of the organics), and/or if the 'other' fraction is high.
2	Plastic fraction %	The plastic fraction includes mostly packaging wastes, such as PET,PVC, polypropylene, high and low density polyethylene (HDPE/LDPE) and polystyrene.
3	Paper fraction %	The paper fraction includes cardboard, but excludes laminated materials such as drink cartons.
4	Metal fraction %	The metal fraction includes ferrous (iron and steel) and non-ferrous (e.g. aluminium, copper, lead, zinc, tin) metals and alloys.
5	Rest %	100% - [4] - [3] - [2] - [1]

ANNEX 2: Mediterranean Regions

Country	Region
Albania	Peqini
Albania	Vlora
Albania	Saranda
Albania	Delvina
Albania	Kavaja
Albania	Fieri
Albania	Kruja
Albania	Durres
Albania	Kurbini
Albania	Lushnja
Albania	Mallakastra
Albania	Elbasan
Albania	Shkodra
Albania	Lezha
Albania	Tirana
Algeria	El Tarf
Algeria	Tlemcen
Algeria	Ain Temouchent
Algeria	Oran
Algeria	Mostaganem
Algeria	Chlef
Algeria	Tipaza
Algeria	Alger
Algeria	Boumerdes
Algeria	Tizi Ouzou
Algeria	Bejaia
Algeria	Jijel
Algeria	Skikda
Algeria	Annaba
Bosnia Herzegovina	Costal Area - Neum
Bosnia Herzegovina	Trebisnjica
Bosnia Herzegovina	Cetina
Bosnia Herzegovina	Neretva
Croatia	Primorsko-Goranska
Croatia	Zadarska
Croatia	Licko-Senjska
Croatia	Sibensko-Kninska
Croatia	Istarska
Croatia	Dubrovacko-Neretvanska
Croatia	Splitsko-Dalmatinska
Cyprus	Cyprus
Egypt	Alexandria
France	Champagne-Ardenne
France	Franche-Comte
France	Herault
France	Alpes maritimes
France	Pyrenees orientales
France	Aude
France	Bourgogne
France	Provence-Alpes-Cote d'Azur
France	Gard
France	Corse
France	Bouches du Rhone
France	Rhone-Alpes
Greece	Aegean Islands
Greece	West Macedonia
Greece	West Continental Greece
Greece	West Peloponnes
Greece	North Peloponnes
Greece	Attica
Greece	East Peloponnes
Greece	Epirus
Greece	Thrace
Greece	East Macedonia
Greece	East Continental Greece
Greece	Crete
Greece	Central Macedonia
Greece	Thessalia
Israel	Israel
Italy	Puglia

Italy	Umbria
Italy	Veneto
Italy	Toscana
Italy	Lombardia
Italy	Valle d Aosta
Italy	Liguria
Italy	Friuli
Italy	Molise
Italy	Marche
Italy	Sardegna
Italy	Trentino
Italy	Emilia Romagna
Italy	Abruzzo
Italy	Calabria
Italy	Piemonte
Italy	Basilicata
Italy	Lazio
Italy	Sicilia
Italy	Campania
Lebanon	Lebanon
Libya	Alnigat Alkhams
Libya	Sirt
Libya	Ajdabiya
Libya	Tripoli
Libya	Dernah
Libya	Azzawiya
Libya	Al jifarah
Libya	Al batnan
Libya	Misratah
Libya	Al Khums
Libya	Benghazi
Libya	Alnigat ilkamse
Malta	Malta
Montenegro	Budva
Montenegro	Ulcinj
Montenegro	Tivat
Montenegro	Kotor
Montenegro	Herceg Novi

Montenegro	Bar
Morocco	Nador
Morocco	Tanger
Morocco	Tetouan
Palestine	Wadi Gaza
Slovenia	Slovenia
Spain	Barcelona
Spain	Alava
Spain	Cuenca
Spain	Huesca
Spain	Alicante
Spain	Albacete
Spain	Burgos
Spain	Granada
Spain	Valencia
Spain	Lleida
Spain	Girona
Spain	Malaga
Spain	Tarragona
Spain	Baleares
Spain	Navarra
Spain	Murcia
Spain	Zaragoza
Spain	Melilla
Spain	Rioja
Spain	Teruel
Spain	Soria
Spain	Cantabria
Spain	Cadiz
Spain	Almeria
Spain	Castellon
Syria	Tartous
Syria	Lattakia
Tunisia	Gabes
Tunisia	Sfax
Tunisia	Bizerte
Tunisia	Mahdia
Tunisia	Sousse

Tunisia	Ariana-M
Tunisia	Nabeul
Tunisia	Ben Arous
Tunisia	Monastir
Tunisia	Medenine
Tunisia	Tunis
Turkey	Denizli
Turkey	Hatay
Turkey	Antalya
Turkey	Kahramanma
Turkey	Isparta
Turkey	Manisa

Turkey	Mugla
Turkey	Usak
Turkey	Icel
Turkey	Kutahya
Turkey	Osmaniye
Turkey	Afyon
Turkey	Izmir
Turkey	Balikesir
Turkey	Canakkale
Turkey	Aydin
Turkey	Adana