

DT 1.3.2 - DT 1.3.3 SUMMARY

Subtitle

Version 1
MM YYYY





The following table aims to collect crucial information concerning DT1.3.2 and DT1.3.3 in order to provide an overview of the pilot areas where CIRCE2020 project is implemented.

Some rows require quantitative data; nevertheless, where those data are not available it is useful to explain the reasons generating those missing and it is sufficient to fill in the table with qualitative information.

CRITERIA	Etra area (ITALY)	Tatabánya industrial park (HUNGARY)	Split - Dalmatia County (CROATIA)	Tyrol (AUSTRIA)	Wielkopolska Region (POLAND)
GENERAL INFORMATION					
Extension of the pilot area (km ²)	1.709 km ²	4,5 km ²	4.540 km ² (land+island); 9.576 km ² (sea)	12.640 km ²	29.826 km ²
Type of pilot area (e.g. political / administrative unit, county, retail park, industrial park, etc.)	Municipalities along the Brenta river in the Vicenza and Padua provinces	Industrial park	Administrative province of Croatia (Split is the administrative and economic center)	Administrative province of Austria	Administrative province of Poland
Number of enterprises (if available SMEs VS Large-sized entities ¹)	Around 26.000; by number of employees: - < 9 94% - 10-49 5% - 50-249 1% - >250 1%	30 (50% are large enterprises)	379 registered units and 195 active units; prevalence of SMEs	Around 44.708; by number of employees: - < 9 91% - 10-49 8.4% - 50-249 1.3% - >250 0.2%	Around 409.865; by number of employees: - < 9 95,3% - 10-49 3,7% - 50-249 0,7% - >250 0,1%
Source(s) of data about waste production and destination	Environmental Declaration Form (EDF), Annual report about industrial waste by Regional and National Agencies	central database operated by the Ministry of Agriculture: National Environmental Information System	Environmental Pollution Register (EPR database) of the Croatian Environment Agency (AZO)	Waste data: - Statistische Handbuch Bundesland Tirol 2014 (Statistic handbook province Tyrol) - Bundesabfallwirtschaftsplan 2017 (Federal Waste Management Plan 2017)	Marshall Office of the Wielkopolska Region, Regional Waste System, Waste Management Plan for Wielkopolska Region, Statistics Poland
Major economic activities for waste generation	1. Waste collection, treatment and disposal activities; materials recovery 2. Manufacture of fabricated metal products, except machinery and equipment 3. Manufacture of paper and paper products 4. Sewerage	1. Car glass production 2. Medical tools production 3. Clutch production 4. Tire production	1. Construction sector 2. Service sector 3. Manufacturing sector 4. Treatment and disposal NOTE: The characterisation of economic fabric by waste generation is not available for SDC; the proposed rank is related to the entire Republic of Croatia	1. Basic metals industry 2. Paper & cardboard industry 3. Wood production industry 4. Chemical & pharmaceutical industry	Not available
Reference year	2015	2016	2016	Predominantly 2015	2016
Data quality	EDF reports all the waste exchanges but it cannot provide a complete overview because of legal exemptions for some enterprises categories / sectors	Data are transmitted directly by the waste producers (companies)	Sometimes data provided by companies can be wrong, incomplete or not available. Moreover, the increasing quantity during the touristic season affects also data quality	On national level very good, on regional level incomprehensive (differing waste amounts depending on data source, e.g. Umweltbundesamt vs. Land Tirol)	EDF reports good quality data but it cannot provide a complete overview because of legal exemptions for some entities / waste codes
PRODUCTION of waste from economic activities					
Total waste production (t)	Industrial waste quantity from EDF: 814.258 t Additional industrial household like waste (estimation): 68.438 t	54.125 t	53.000 t	662.700 t (373.700 t municipal waste)	9.747.000 t
Total non-hazardous waste production (t)	746.606 t (EDF) + 68.438 t (assimilated)	51.527 t	49.050 t	601.700 t	9.634.441 t
Total hazardous waste production (t)	67.652 t	2.598 t	3.950 t	60.900 t	112.559 t

¹ *Large-size entities are companies employing more than 250 employees, OR having an annual net revenue more than 50m euros, AND having an aggregate amount of the balance sheet more than 43m euros.

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Most relevant non-H EWC codes from economic activities - first 10 non-H 6-digit EWC per quantity - (EWC, t) ²	<i>EWC</i>	<i>DESCRIPTION</i>	<i>T</i>	<i>EWC</i>	<i>DESCRIPTION</i>	<i>T</i>	<i>EWC</i>	<i>DESCRIPTION</i>	<i>T</i>				<i>EWC</i>	<i>DESCRIPTION</i>	<i>T</i>
	120102	Ferrous metal dust and particles	71.876	160120	glass	29.022	191202	Ferrous metal	22.627				10	wastes from thermal processes	3.026.884
	120101	Ferrous metal filings and turnings	51.836	070213	waste plastic	6.089	170405	Iron and steel	6.660				17	construction and demolition wastes	2.425.784
	191212	Other wastes [...] from mechanical treatment of wastes [...]	45.720	120199	Wastes not otherwise specified	5.168	150101	Paper and cardboard packaging	4.857				19	wastes from waste management facilities [...]	2.326.953
	190805	Sludge from urban WWTP	45.713	070299	wastes not otherwise specified	1.789	190703	Landfill leachate [...]	1.392	<i>EWC</i>	<i>DESCRIPTION</i>	<i>T</i>	02	wastes from agriculture, horticulture, aquaculture, forestry, hunting and fishing, food preparation and processing	742.777
	170904	Mixed construction and demolition w [...]	42.041	150101	paper and cardboard packaging	1.734	170101	Concrete	1.376	200101	paper and cardboard	105.900	03	wastes from wood processing and the production of panels and furniture, pulp, paper and cardboard	432.610
	150101	Paper and cardboard packaging	32.000	150103	wooden packaging	1.419	150107	Glass packaging	1.182	200301	mixed municipal waste	95.200	NOTE: Detail at EWC 6 digit is not available		
	170101	Concrete	25.309	120101	ferrous metal filings and turnings	1.138	190801	Screenings	868	200140	metals	84.900			
	120199	Wastes not otherwise specified	24.947	160103	end-of-life tyres	1.096	120101	Ferrous metal filings and turnings	856						
	200101	Paper and cardboard	22.117	NOTE: Groups 16, 07, 12, 15 represents 97% of the total production of non-H waste. The EWC of those groups over the threshold > 1.000 t are reported			160103	End-of-life tyres	836						
	170405	Iron and steel	20.595				101304	Waste from calcination and hydration of lime	816						
	DESTINATION of waste from economic activities³	* Statistics within Veneto region according to the Regional Agency report (EDF data). For the assimilated quantity: 97% R; 3% D (Sustainability Report of ETRA)			* Statistics based on questionnaires filled-in by companies operating in the pilot area						* Of municipal waste from households and similar establishments				
Disposal (D1 - D14) %	27% (non H) ; 71% (H) *			2%*			50 %			0.1%*			Recovery in waste treatment plant 56% Neutralization / disposal 30% Transport outside region / temporary storage 16%		
Material recovery (R2 - R12) %	70% (non H) ; 29% (H) *			28%*			47 %			58.3%*					
Energy recovery (R1) %	3% (non H) ; 0% (H) *			70%*			1 %			41.7%*					

² In case of data missing, provide estimation or qualitative description specifying the source / origin of data

³ If percentages related to waste destination is not available for economic activities, use overall percentages (e.g. % about municipal waste) specifying the reference quantities and waste group.