









REGIONAL TRAINING ON THE PRODUCTION AND USE OF WASTE AND CIRCULAR ECONOMY STATISTICS AND INDICATORS

SESSION 6: STATISTICS AND INDICATORS ON HAZARDOUS WASTE

20-21 June 2024, Vienna International Centre (VIC), Vienna











In this presentation:

- Hazardous waste generated per capita (SDG 12.4.2a)
- Proportion of hazardous waste treated, by type of treatment (SDG 12.4.2b)
- Stock of hazardous waste at the end of the year
- Import and export of hazardous waste, waste shipments

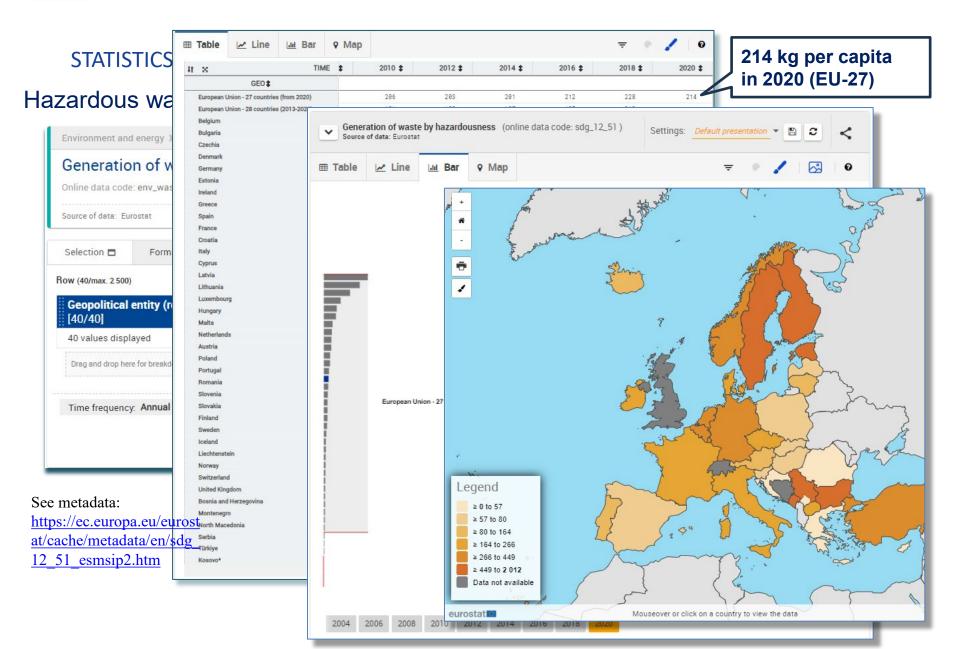


















Note: sorted on 2020 data. The two parts of the figure

Source: Eurostat (online data code: env_wasgen)

(1) 2010: not available.





STATISTICS AND INDICATORS ON HAZARDOUS WASTE

Hazardous waste generated per capita (SDG 12.4.2a)

2010 2020 EE Estonia 47.2 9.8 BG Bulgaria 8.1 12.0 NO Norway 18.7 13.3 RS 33.2 19.4 Serbia ME Montenegro 27.6 MK North Macedonia TR Türkiye EU27_2020 EU 4.1 4.4 RO Romania 0.3 0.5 PL Poland 0.9 1.3 CY Cyprus 1.6 1.5 MT Malta 1.8 1.2 SI 2.0 Slovenia 1.8 AT Austria 3.1 1.9 EL Greece 1.9 LU Luxembourg 2.7 FΙ Finland Croatia 3.1 ES Spain 3.1 SK Slovakia 3.4 HU Hungary 3.2 3.4 FR France 3.6 LT Lithuania 3.8 NL Netherlands 3.7 4.0 CZ Latvia 4.5 4.6 LV 2.1 Sweden 5.0 SE Czechia 5.7 5.2 ΙE Ireland 10.0 5.5 PT Portugal 5.0 5.6 П Italy 5.4 5.7 5.8 BE Belgium 7.8 DE 5.5 5.8 Germany DK Denmark 7.6 6.8 LI Liechtenstein 2.7 0.2 IS Iceland BA 0.1 Bosnia and Herzegovina (1)

Hazardous waste generated, 2010 and 2020 (% share of total waste) 48 12 44 40 10 36 8 32 28 6 20 16 12 2 8 Luxembourg Finland Croatia Spain Slovakia Hungary France Lithuania Portugal Italy Belgium Germany Denmark Sweden Czechia Ireland Montenegro North Macedonia Türkiye Latvia Estonia Bulgaria Norway Serbia Liechtenstein Bosnia and Herzegovina (1) 2010 **2020** See metadata:

https://ec.europa.eu/eurostat/cache/metadata/en/

sdg 12 51 esmsip2.htm











Hazardous waste generated per capita (SDG 12.4.2a)

- The indicator is part of the EU Sustainable Development Goals (SDG) indicator set
 (SDG 12 on ensuring sustainable consumption and production patterns)
- This indicator is defined as all hazardous waste generated in a country
- It covers waste generated by <u>industrial production</u> (including the waste management sector itself) and by <u>households</u>. Major mineral wastes, dredging spoils and soils are included ...
- ... this leads to high quantities of waste in some countries with substantial economic activities, such as mining and construction

See metadata:

https://ec.europa.eu/eurost at/cache/metadata/en/sdg 12_51_esmsip2.htm



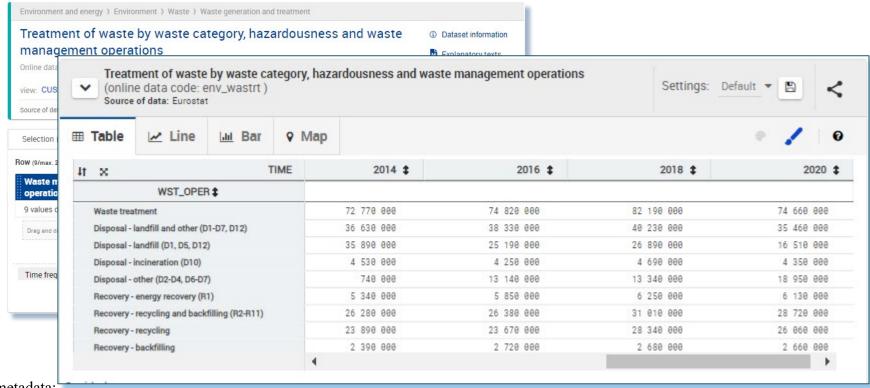








Hazardous waste treated, by type of treatment (SDG 12.4.2b)



See metadata:

https://ec.europa.eu/eurost at/cache/metadata/en/env wasgt_esms.htm



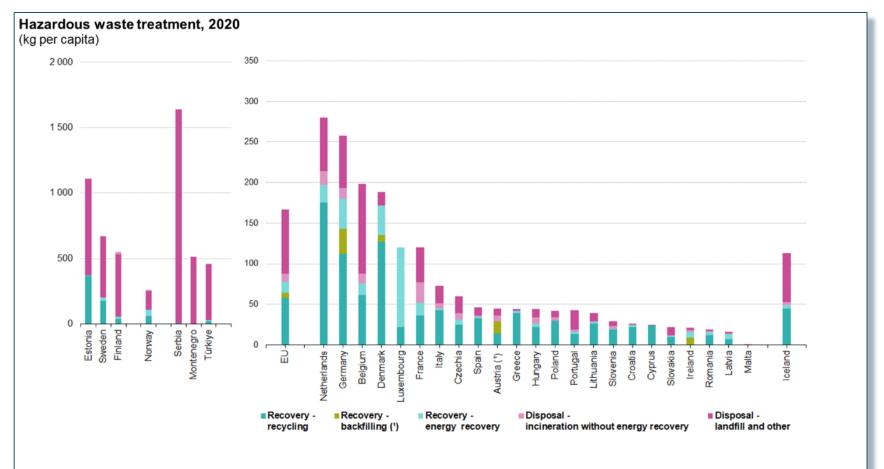








Hazardous waste treated, by type of treatment (SDG 12.4.2b)



(1) value of incineration for Austria estimated by Eurostat.

Note: the two parts of the figure have different scales for the y-axis.

Source: Eurostat (online data code: env_wastrt)

eurostat O











FRAMEWORK FOR THE DEVELOPMENT OF ENVIRONMENT STATISTICS (FDES 2013)

3.185. **Hazardous waste** is a special group of waste that, due to its toxic or other hazardous character, requires special management and is controlled by law in many countries. The Basel Convention, an MEA, focuses on the control of transboundary movements of hazardous waste across international borders and establishes criteria for the environmentally sound management of such waste. Reporting needs under this convention include the generation of hazardous waste, as well as the imports and exports of hazardous waste covered in Topic 3.3.2: Management of Waste. For additional information, see Annex C: Multilateral Environmental Agreements.





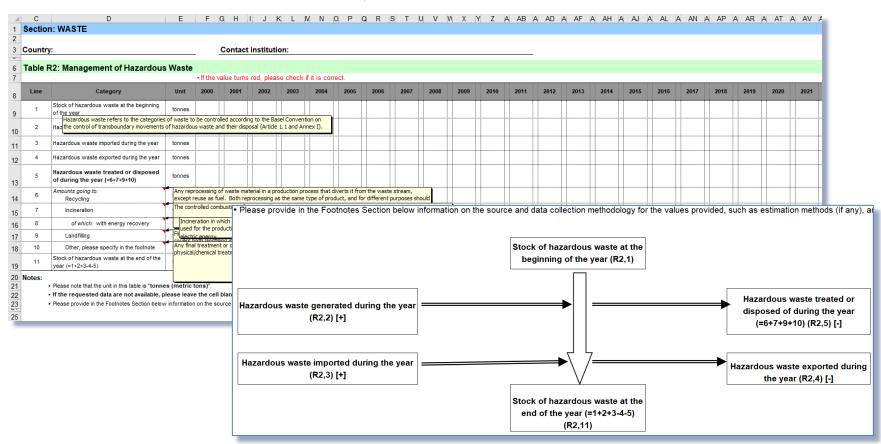








Stock of hazardous waste at the end of the year UNSD/UNEP Questionnaire, Section "Waste"













Import and export of hazardous waste, shipments



https://environment.ec.europa. eu/topics/waste-andrecycling/waste-shipments en



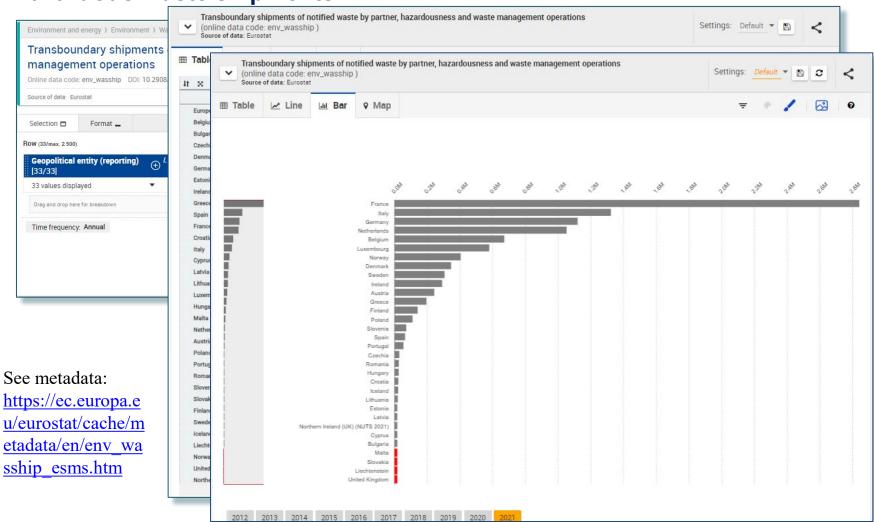








Hazardous waste shipments













Hazardous waste shipments

- The EU has a system to supervise and control shipments of waste within its borders and with the EFTA countries, the OECD and non-EU countries that have signed the <u>Basel Convention on the Control of Transboundary Movements of</u> <u>Hazardous Wastes and their Disposal</u>
- For the EU the <u>Waste Shipments Regulation</u> implements the <u>Basel Convention</u> and its ban on exporting hazardous waste from OECD countries to non-OECD countries
- The Regulation also implements the <u>OECD-Council Decision on the control of transboundary shipments of waste</u>
- The OECD countries have developed a <u>system for the notification of waste</u> destined for recovery in the OECD countries
- <u>Classification:</u> all hazardous waste and other wastes (Y-46 and Y47) as defined by the Basel Convention and reported to the Basel Secretariat

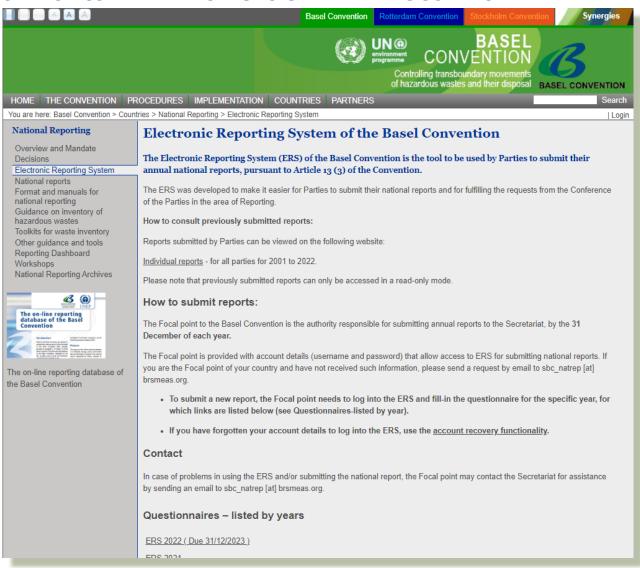






















REPORTING TO THE BASEL SECRETARIAT

4	A	В	С	D	E	F	G	Н	I	J	K
		TABL	E 4 - Export of h	azardous wastes and other wast	es in 2021.						
	Basel Annex VIII, II or	Y Code	National Code	Type of waste	Hazardous	Amount exported	Countries of	Country of	Final disposal	Recovery	
	IX				characteristics	(use dots for	transit	destination	operation	operation	
	A3050	Y13	16 03 05*	production residues	H3	846.965	DE	BE		R12	ERS Basel 2021-AT-Ta
											4_Validated.xlsx
	A1050	Y22	11 01 09*	etching solution	H6.1	49.43	DE	BE		R4	ERS Basel 2021-AT-Ta
											4_Validated.xlsx
	A1100	Y31,Y23	10 06 03°	filter dusts	H11	1161.26	DE	BE		R4	ERS Basel 2021-AT-Ta
											4_Validated.xlsx
	A1100	Y31,Y23	10 06 03°	filter dusts	H11	1133.78	DE,NL	BE		R4	ERS Basel 2021-AT-Ta
											4_Validated.xlsx
	A1120	Y31,Y23	11 02 05*	metal sludge	H12	429.12	DE	BE		R4	ERS Basel 2021-AT-Ta
											4_Validated.xlsx
	A4160	Y45	15 02 02*	activated carbon	H12	48.32	DE	BE		R7	ERS Basel 2021-AT-Ta
											4_Validated.xlsx
	A4160	Y22	15 02 02*	activated carbon	H12	10.76	DE	BE		R7	ERS Basel 2021-AT-Ta
											4_Validated.xlsx
		Y18	19 12 11°	premixed hazardous wastes	H4.1	265.85	DE	BE		R12	ERS Basel 2021-AT-T
			L								4_Validated.xlsx
		Y22	10 08 11	slag from non-iron smelters	H12	901.9	DE	BE		R4	ERS Basel 2021-AT-Ta
											4_Validated.xlsx
	A1160	Y31	16 06 01*	LAB	H8	321.297	HU,RO	BG		R4	ERS Basel 2021-AT-Ta
											4_Validated.xlsx
	A3020	Y8	13 02 05*	waste oil	H12	179.37	HU,RO	BG		R9	ERS Basel 2021-AT-Ta
											4_Validated.xlsx
	A1170	Y23	20 01 33*	batteries	H8	46.328		СН		R4	ERS Basel 2021-AT-Ta
											4_Validated.xlsx
	A3120	Y18	19 10 03°	FLUFF	H13	1730.11		СН		R12	ERS Basel 2021-AT-Ta
,											4_Validated.xlsx
	A3140	Y42	19 02 08°	non halogenated solvents	H3	256.82		СН		R12	ERS Basel 2021-AT-Ta
1											4_Validated.xlsx
	A3140	Y2	07 05 04°	non halogenated solvents	H3	111.57		СН		R2	ERS Basel 2021-AT-Ta
3											4_Validated.xlsx
	A3150	Y41	14 06 02*	halogenated solvents	H3	180.36		СН		R1	ERS Basel 2021-AT-Ta
)											4_Validated.xlsx
	A4020	Y1	20 01 32	pharmaceuticals	H12	138.68		СН		R1	ERS Basel 2021-AT-Ta
)											4_Validated.xlsx
		Y8	15 02 02*	waste from craft shops	H12	1412.36		СН		R1	ERS Basel 2021-AT-Ta
ı											4_Validated.xlsx
	A1160	Y31	16 06 01*	LAB	H12	1043.33		CZ		R4	ERS Basel 2021-AT-Ta











REPORTING TO THE BASEL SECRETARIAT

	A A		Basel Convention Rotterdam Convention Stockholm Convention Synergies							
	Electro	nic Reporting Syste	em of the Basel Convention (Year: 2021)							
	Name of	Party: Austria								
HOME TH	Compet Compet	Key features of the Electronic Reporting System	<< Previous Page Next Page >>	Page 14 / 18						
National Ro Overview ar Decisions Electronic R National rep	1a - De (Articles In accor Accordin	Question 1 - Competent Authority and Focal Point Question 2 - Wastes Controlled for the Purpose of Transboundary	These questions were pre-filled with the most recent information submitted to the Secretariat Table 6 - Total Amount of Generation of hazardous wastes and other wastes in the years indicated (Article 4.2(a), 13.3(i) and Decision BC-10/2 on the Strategic Framework) (optional) Total amount of hazardous wastes and other wastes generated (metric tons)							
Format and national rep		Movement	CATEGORIES 7 2018 2019 2020							
Guidance or hazardous v Toolkits for v Other guida Reporting D Workshops National Re	Federa Climate Enviror Mobility and Tet * Total Re Exp 1a.1 - [Secreta (Articles)	Question 3 - Restrictions on Transboundary Movement of Hazardous Wastes and Other Wastes Question 4 - Control Procedure of the Transboundary Movement of Waste Question 5 - Reduction and/or Elimination of the Generation of Hazardous Wastes Question 6 - Reduction of the Amount of Hazardous Wastes and Other Wastes Subject to the Transboundary Movement	Total amount of hazardous wastes generated in the years for which official data are available If possible, total amount of hazardous wastes under Art. 1 (1)a (Annex VIII) generated If possible, total amount of hazardous wastes under Art. 1 (1)b generated If possible, total amount of other wastes generated (Annex II) Export to Excel Remarks							
	Pocal F 1b - De (Articles In accord	Question 7 - Effect on Human Health and the Environment Table 1 - Bilateral, Multilateral or Regional Agreements. Table 2 - Disposal Facilities Operated within the National Jurisdiction	If possible, upload detailed national statistics on the generation of hazardous wastes (1) (optional) (1) The breakdown can be done according to the Basel codes (e.g. Annex I, Annex VIII) or national codes.							



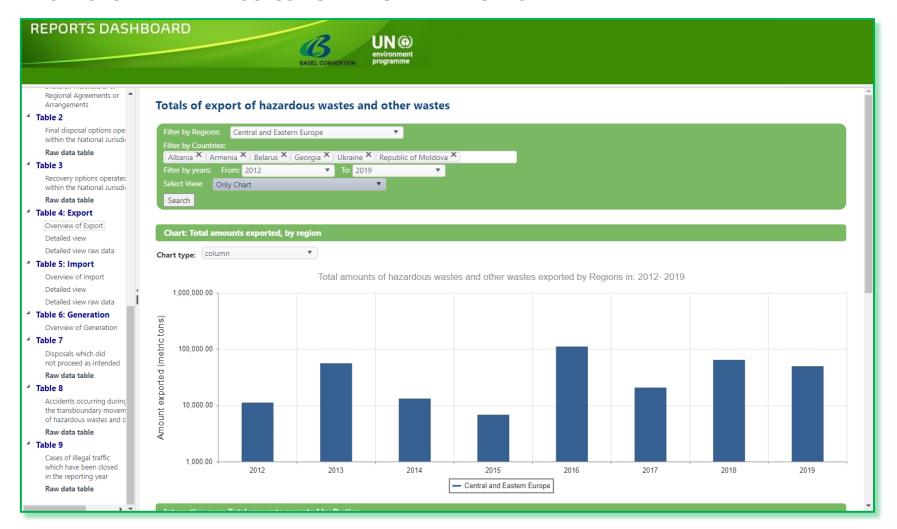








BASEL SECRETARIAT: ACCESS TO NATIONAL REPORTS





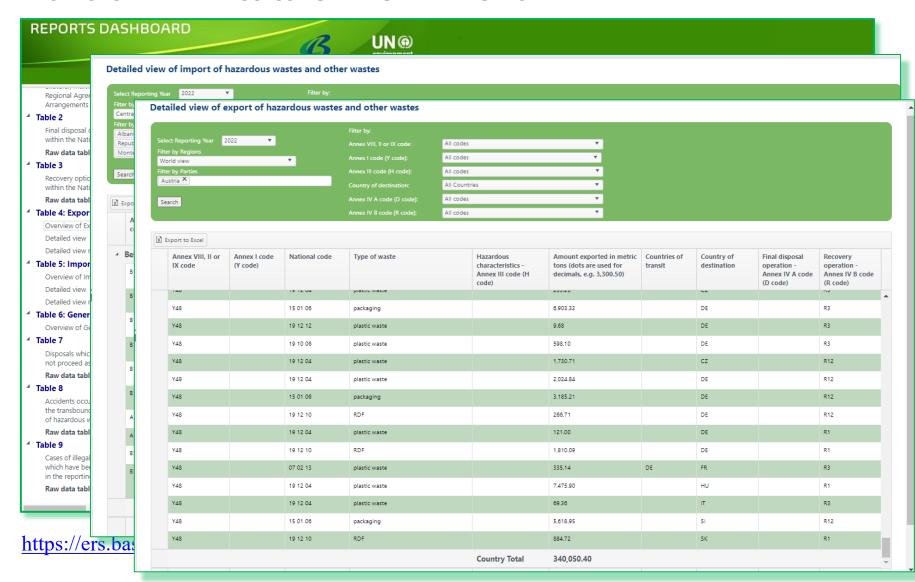








BASEL SECRETARIAT: ACCESS TO NATIONAL REPORTS





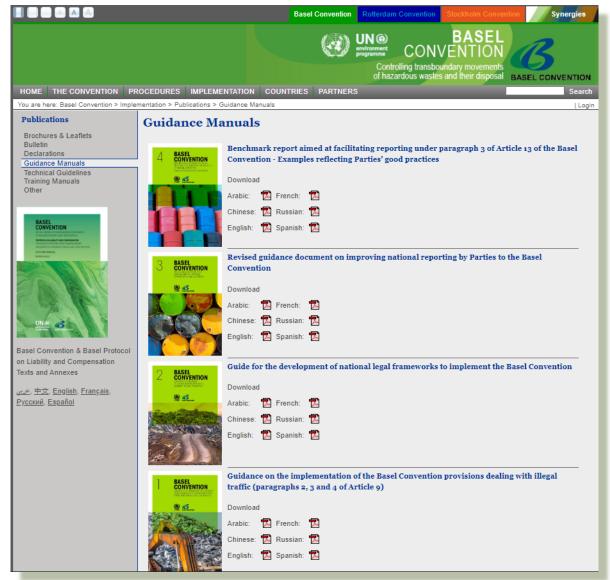








BASEL SECRETARIAT: GUIDANCE FOR IMPLEMENTATION AND REPORTING



https://www.basel.int/Imp lementation/Publications/ GuidanceManuals/tabid/2 364/lapg-15496/1/Default.aspx











REGIONAL TRAINING ON THE PRODUCTION AND USE OF WASTE AND CIRCULAR ECONOMY STATISTICS AND INDICATORS

Thank you!

Working Group on Environmental Monitoring and Assessment

wqemasec@un.org

Copyright 20 June 2024, Christian J. A. Heidorn, all rights reserved. For reproduction permission and all other issues, please contact christian@heidorn.online. The use of screenshots from websites of the EU as used in this presentation is authorised under the CC BY 4.0 license.

