

# **Global e-waste statistics**

Recent development and links to Environment Statistics

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Recent developments on e-waste statistics The Global E-waste Statistics Partnership regularly updates global ewaste statistics and publish them in the <u>Global E-waste Monitors</u>, the next GEM2023 will be released in December 2023.

E-waste Generated toolkits to assist Member States with the

compilation of e-waste statistics

In use by 75 countries

<u>Regional E-waste studies</u> in the Arab States, Latin America and West Asia, Western Balkans and East Africa (*will be released in October* 2023)

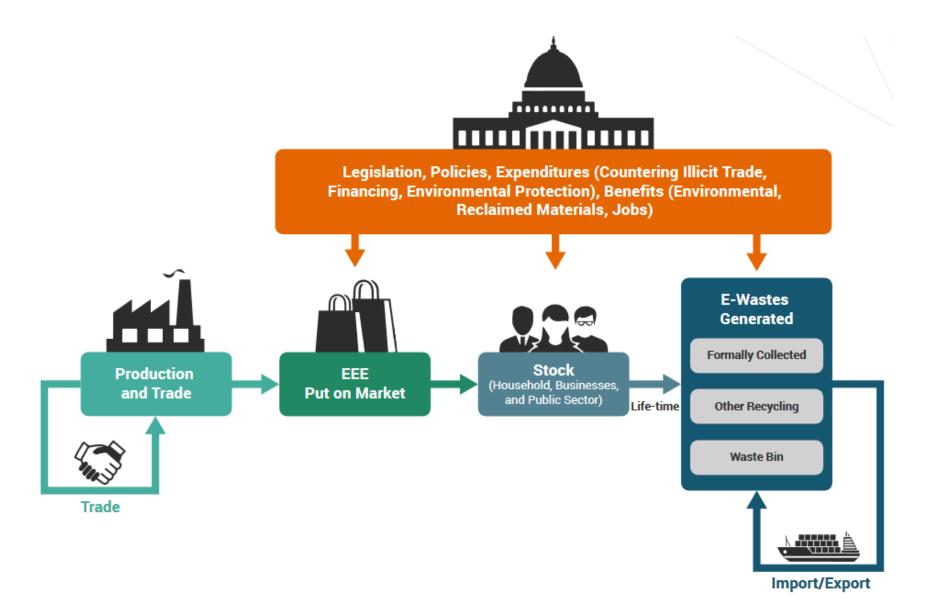
> Households and businesses surveys to assess consumption and disposal behaviors In Kenya and Burundi

National E-waste studies in the Netherlands, Kazakhstan and Lebanon Global ewaste statistics *Source: GEM2020* 



## The e-waste statistics framework

The framework can integrate the harmonized existing data at country level and can serve as the basis for e-wastes statistics and e-waste indicators



Links to Environment al Statistics Ongoing collaborations with UNSD and OECD to collect e-waste formally collected and recycled from Member States:
> OECD/Eurostat Questionnaire on the State of the Other Recycling
Maste Bin

**UNSD/UNEP** Questionnaire on Environment Statistics (UUQ), data are part of the Environment Statistics on Waste 23 countries

→ UNITAR analyze/consolidate all data, update the global e-waste statistics and track developments over time 79 countries

## Links to Environmental Statistics

### Example of the OECD/Eurostat Questionnaire:

### Data is in accordance with the internationally harmonized methodology on e-waste

#### statistics

	A	В	С	D	E	F	G	Н	1	J	K	L	М	N	0	Р	Q	R
1	GENERATION AND RECOVERY OF E-WASTE																	
2																		
3	The objective of this adhoc request is to complet	ment the data collected via the questionnaire and to support an	international	initiative und	ler the lead	of the UNU	to measure	e-waste. T	he data requ	ested bellow								
4		ycling and reuse of E-waste in OECD countries (this initiative is																
		artnership on Measuring ICT for Development (with the particip							developed g	guidelines to								
		sport countries in their efforts to collect and disseminate information on e-waste through internationally harmonised standards and definitions. These efforts are consistent with efforts at EU level to promote E-																
5	waste collection and recycling. More information	on this work can be found here:								-								
6	E-waste quantification																	
7															*Data provi	ded by the co	untry	
8	Country/Pays:		Contact :															
9																		
10	Operation	E-Waste	Unit	2000	2005	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
11	Products put on the market	Total	1000 t.															
12	of which:	Lamps	1000 t.															
13		Large Equipment	1000 t.															
14		Screens, monitors, and equipment containing screens ()	1000 t.															
15	i	Small Equipment	1000 t.															
16	i	Small IT and telecommunication equipment	1000 t.															
17	,	Temperature exchange equipment (Cooling and Freezing Ed	qu 1000 t.															
	E-waste generated (prefilled by UNU, based					450	474	404	510	526	541	552	563	573	583	594	605	596
18	on calculations using trade data)	Total	1000 t.			452	471	491	510	920	041	002	503	5/3	083	594	605	090
19	of which:	Lamps	1000 t.			6	6	6	7	7	7	7	7	7	7	7	7	11
20		Large Equipment	1000 t.			104	107	110	113	116	119	122	126	129	133	137	141	143
21		Screens, monitors, and equipment containing screens ()	1000 t.			79	82	85	86	87	87	85	83	80	77	73	70	69
22		Small Equipment	1000 t.			136	144	154	164	174	182	188	194	200	206	213	222	209
23		Small IT and telecommunication equipment	1000 t.			59	60	60	59	59	58	57	57	57	57	57	57	48
24		Temperature exchange equipment (Cooling and Freezing Ec	qu 1000 t.			68	72	76	80	84	88	92	96	100	103	107	110	115
25	E-waste collected	Total	1000 t.			34,1		46,9		55,6		67,6		70,2		63,5		
26	of which:	Lamps	1000 t.															
27	·	Large Equipment	1000 t.															
28		Screens, monitors, and equipment containing screens ()	1000 t.															
29		Small Equipment	1000 t.															
30		Small IT and telecommunication equipment	1000 t.															
31		Temperature exchange equipment (Cooling and Freezing Ec	•															
	E-waste recycled	Total	1000 t.			34,1		46,9		55,6		67,6		70,2		63,5		
	of which:	Lamps	1000 t.															
34		Large Equipment	1000 t.															
35		Screens, monitors, and equipment containing screens ()	1000 t.															
36		Small Equipment	1000 t.															
37		Small IT and telecommunication equipment	1000 t.															
38		Temperature exchange equipment (Cooling and Freezing Ec																
	E-waste reused and remanufactured	Total	1000 t.															
	of which:	Lamps	1000 t.															
41		Large Equipment	1000 t.															
42		Screens, monitors, and equipment containing screens ()	1000 t.															
43		Small Equipment	1000 t.															
44		Small IT and telecommunication equipment	1000 t.										<u> </u>					
45		Temperature exchange equipment (Cooling and Freezing Ec	qu 1000 t.															

## Links to Environmental Statistics

Example of the UNSD/UNEP Questionnaire:

Data is in accordance with the internationally harmonized methodology on e-waste

#### statistics

ble R			-				
	6: E-Waste Generation and Colle	ction					
Line	Category	Unit	2017	2018	2019	2020	2021
1	Total E-waste Generated	1000 t					
2	Amounts going to: Large equipment	1000 t					
3	Screens, monitors, and equipment containing screens	1000 t					
4	Temperature exchange equipment (cooling and freezing equipment)	1000 t					
5	Small E-waste (=6+7+8)	1000 t					
6	of which: lamps	1000 t					
7	of which: small equipment	1000 t					
8	of which: small IT and telecommunication equipment	1000 t					
9	Total E-waste collected	1000 t					
10	Amounts going to: Large equipment	1000 t	•				
11	Screens, monitors, and equipment containing screens	1000 t					
12	Temperature exchange equipment (cooling and freezing equipment)	1000 t					
13	Small E-waste (=14+15+16)	1000 t					
14	of which: lamps	1000 t					
15	of which: small equipment	1000 t					
16	of which : small IT and telecommunication equipment	1000 t					

# Thank you for your attention

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