



The importance of e-waste data and statistics

The case of the Regional E-waste Monitor in the CIS+ Georgia

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SCYCLE and the GESP



SCYCLE Work

Quantification

- Global and Regional E-waste Monitors
- <u>National country</u> studies
- E-waste statistics
 Guidelines
- Person in Port
- ProSUM

Capacity building and trainings



- <u>E-waste Academies</u> EWAM & EWAS
- <u>Dotcom-Waste</u> (counter illegal management of ewaste)
- Workshops on Ewaste statistics

Policy advice &



Partnerships

- Studies on Article 7
 & 11 and review of the WEEE Directive
- UN E-waste Coalition
- Global E-waste Statistics Partnership













The Global E-waste Statistics Partnership (GESP)







1. National and regional capacity building

- Producing reliable e-waste statistics
- Guiding countries to collect national data

2. Global e-waste database

- To track developments
- To inform policy makers and industry

3. Communicate data

- Via the Global and Regional e-Waste Monitor
- 4. Map recycling opportunities and health effects
- 5. Identify best practices of global e-waste management
- 6. Inform on Sustainable Development Goals (SDG)





Formed in January 2017 to address the e-waste challenge by improving e-waste data https://globalewaste.or

g/about-us/

E-waste data and statistics



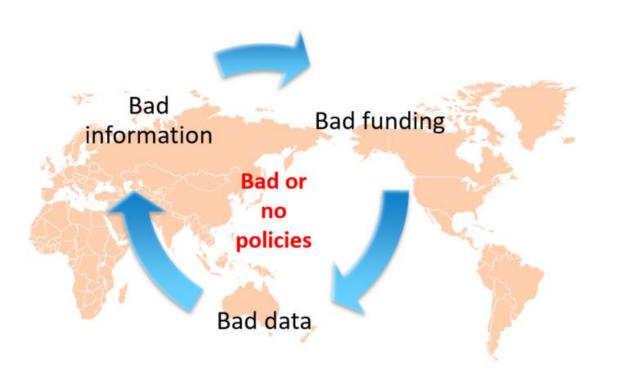






Global E-waste Statistics

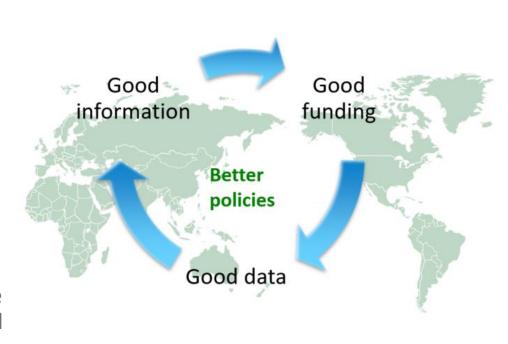
Why data are important



- Fast growing problem
- Little data
- Link to existing statistics and e-waste related data
- Needed to capture ewaste most essential features

Why data are important

- To start addressing the e-waste challenge.
- Evaluate developments over time.
- Set and access targets.
- Identify best practices in policies.
- To improve comparability between countries.
- To serve as the basis for e-waste statistics, e-waste indicators and contribute to the SDGs.



Data demand from SDG 11



Goal 11: Make cities and human settlements inclusive, safe, resilient, and sustainable

Target 11.6: By 2030, reduce the adverse per capita environmental impact of cities by paying special attention to air quality as well as municipal and other waste management.

Indicator 11.6.1: Percentage of urban solid waste regularly collected and with adequate final discharge with regard to the total waste generated by the city.

$$= \frac{\textit{municipal solid waste collected}}{\textit{total municipal solid waste generated}}$$





Goal 12: Ensure sustainable consumption and production patterns

Target 12.5: By 2030, substantially reduce waste generation through prevention, reduction, repair, recycling, and reuse.

SDG indicator 12.5.1: National recycling rate and tons of material recycled.

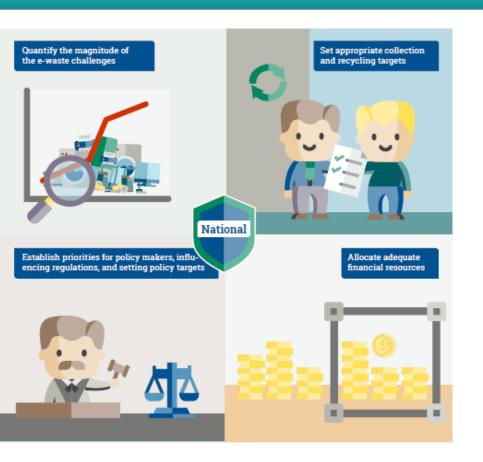
SDG 12.5.1 Sub-indicator on e-waste =

Total e-waste recycled
Total e-waste generated

Target 12.4: By 2030, achieve the environmentally sound management of chemicals and all waste throughout the lifecycle, in accordance with agreed-upon international frameworks, and significantly reduce their release into air, water, and soil in order to minimize their impacts on human health and the environment.

SDG indicator 12.4.2: Treatment of hazardous waste, and hazardous waste management, by type of treatment

Harmonized framework to measure e-waste





The Regional E-waste Monitors



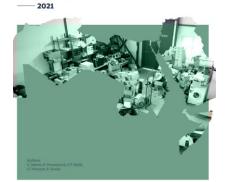
https://ewastemonitor.info/regional-e-waste-monitor-cisgeorgia-2021/

https://ewastemonitor.info/gem-2020/



REGIONAL E-WASTE MONITOR

for the Arab States



https://ewastemonitor.info/regional-ewaste-monitor-for-the-arab-states-2021/



REGIONAL E-WASTE MONITOR

CIS+Georgia







Funded by:

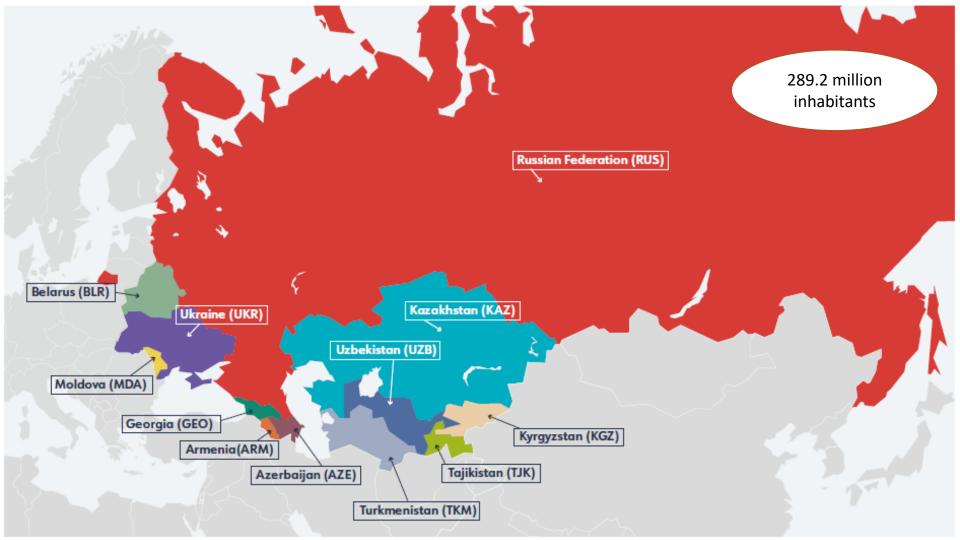












Scope and outline

Statistics

Legislation

Management infrastructure

Monitor Features



1. What is E-waste?

Definition, product categories, disposal routes, key issues



4. Statistics

EEE POM and E-waste Generated, Categories, ESM



7. Common Issues

Five Driving Reasons



2. Methodology

Statistics, Management Assessment, Sources



5. Transboundary Movement

Policies, Quantities, Issues and Impacts



8. Recommendations



3. Regional Overview Legislation and Systems

Status, International Agreements, Stakeholders,
Projects



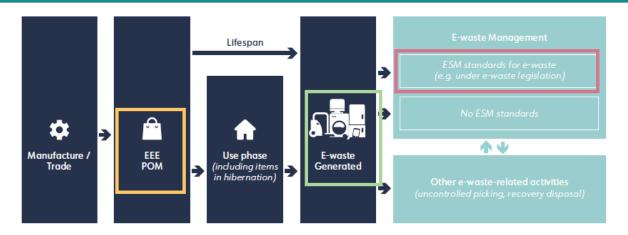
6. Management Assessment

Comparative Performance Review



9. Country Profiles

Framework and data sources



- Indicator 1: EEE POM.
- > Indicator 2: E-waste generated.
- Indicator 3: E-waste managed in an environmentally sound manner (also referred to as e-waste formally collected).
- Indicator 4: E-waste collection rate (indicator 3 divided by indicator 2).

The e-waste data are harmonised according to international standards, as per SDG 12 on sustainable consumption and production.



2010 2015 2020



Regional E-waste Statistics

3.2%

e-waste collection rate



Regional and country focus

Country:

Ukraine

41.9 million inhabitants 603,628 km²

Borders: Poland, Belarus, Russia, Moldova, Romania, Hungary, and Slovakia

GDP per capita PPP: \$8,510 USD

Average household size: 2.5 members

1 Legend:

- Advanced
- Transition
- Basic o Unknown

▲ National legislation on e-waste:

Extended Producer Responsibility:

X In draft since 2017

National e-waste standards: E-waste collection target:

◆ On safe e-waste management and hazardous substances restrictions

Legislation product coverage in UNU-KEYs: 0 of 54

Legislation product coverage in weight

(%) on total and per category: Total: 0% of the e-waste generated in 2019















Legislation:

Infrastructure:

Collection Rate:

••••

Unknown









🔙 International Conventions:

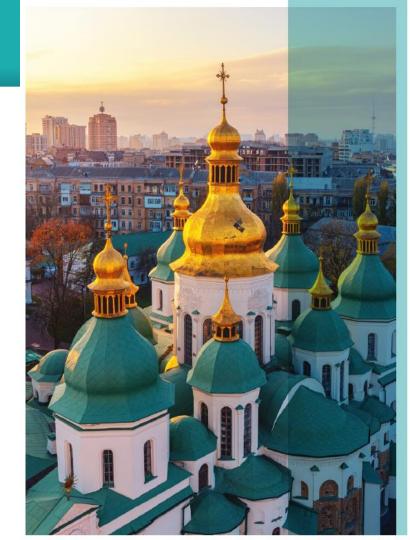
	Signature	Ratification/Accession	Entry into force
Basel Convention	-	08/10/1999 (a)	06/01/2000
Rotterdam Convention	-	06/12/2002 (a)	24/02/2004
Stockholm Convention	23/05/2001	25/09/2007	24/12/2007
Minamata Convention	_	_	_

EEE POM	E-waste	E-waste managed environ-
(2019):	generated (2019):	mentally soundly (2019):
365.7 kt. 8.7 kg/inh.	324.1 kt. 7.7 kg/inh.	Unknown

(Source: UNU / UNITAR / UNSD questionnaire, 2019. This data also contains data reported on batteries and accumulators)

C Formal/environmentally sound e-waste management system in place:

◆ About 115 organisations have licence to manage e-waste.



What's next?

... Regional E-waste Monitor for the Western Balkans







Mission of the project

- Help to improve the quality, understanding, collection and interpretation of e-waste data → start compiling national e-waste statistics,
- Create a basis to implement policies, recycling infrastructure, and regulatory instruments more efficiently,
- Plan to setting national targets about e-waste collection and recycling
- Contribute to the achievement of the Sustainable Development
 Goals (SDG), in particular SDG 12, to "ensure sustainable consumption and production patterns".





Thank you for your attention!



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