



Regional E-waste Monitor for the Western Balkans

The importance of e-waste data and statistics

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Sustainable Cycles Programme



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What is e-waste?



Temperature exchange equipment



Large equipment



Screens and monitors



Small equipment



Lamps

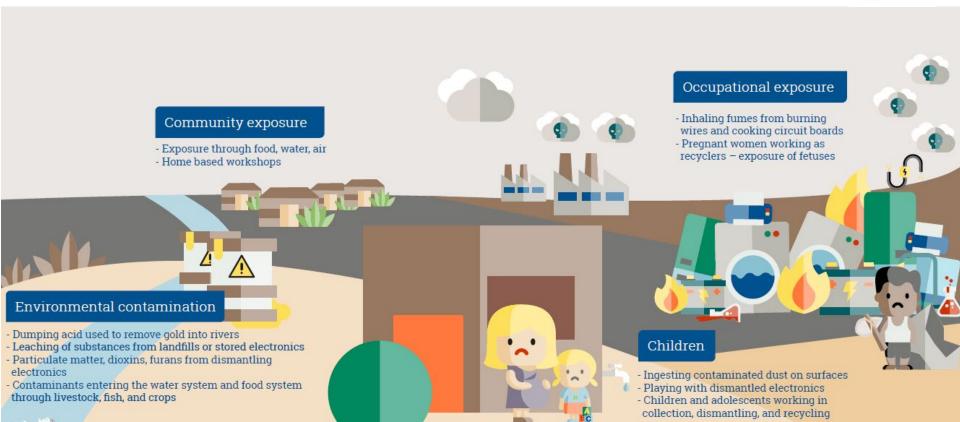


Small IT and Telecommunicati on equipment **EEE:** Electrical and electronic equipment (EEE) includes a wide range of products almost any household or business are with circuity, or electrical components with power or battery supply (Step Initiative 2014).

E-waste: refers to all items of electrical and electronic equipment (EEE) and its parts that have been discarded by its owner as waste without the intent of re-use

E-waste environmental issues

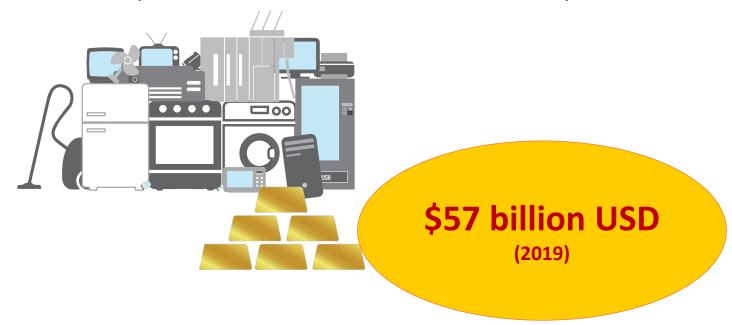




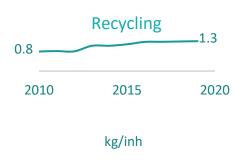
E-waste opportunities

3. Losses of valuable material

- Precious metals including gold, silver, copper, platinum and palladium
- Valuable bulky materials such as iron and aluminum, and plastics



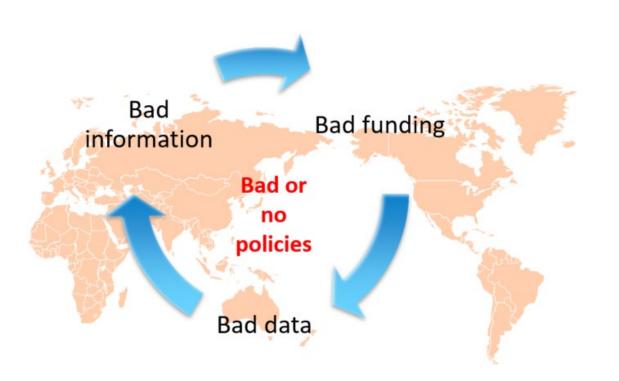




Global E-waste Statistics



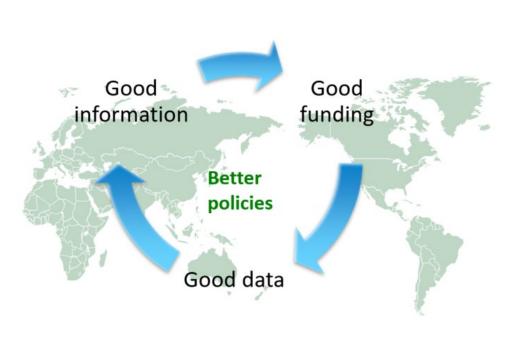
Why data are important



- 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 (11, 12).



What's next?

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









Project background

- Internationally comparable e-waste statistics and information on e-waste management in the Western Balkans is limited
- Provide technical assistance to 5 Western Balkan
 countries to assess e-waste statistics
- Implementation by ITU Europe Office, UNEP Europe
 Office & Vienna Office and UNITAR-SCYCLE, as well as respective administrations and statistical offices of the beneficiary countries.

Albania

Bosnia and Herzegovina

Montenegro

North Macedonia

Serbia

Project activities

Supporting NSOs to produce a regional e-waste data set for the Western Balkans.

Validating country data directly with NSO focal points.

Data Validation Online Training July 2023 Dec 2021

Project Kick-off

Kick-off call with National Statistical Offices (NSOs), Ministries and Regulators. Development of questionnaires and desktop study.





Research,

Questionnaires &

Interviews.

Assessment of the status of e-waste legislation and e-waste management.

Regional

E-waste Monitor and awareness campaign

E-waste awareness raising webinars, publishing a Regional E-waste Monitor and launch event.

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



6. Management Assessment

3. Regional Overview Legislation and Systems

Status, International Agreements, Stakeholders, Projects

Comparative Performance Review



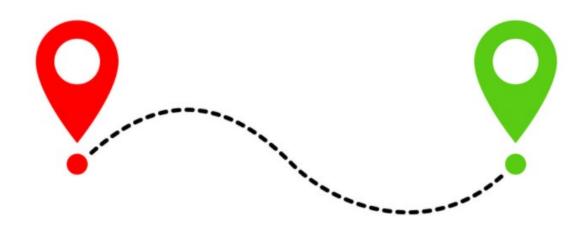
8. Recommendations



9. Country Profiles

What's next?

... Five country profiles









Examples of country profiles



Entry into force

09 April 2006

18 May 2005

27 November 2006

9 January 2006

23 May 2001

24 September 2014

17 February 2005

29 August 2006









× Peru does not have facilities that process/treat POPs arising from e-waste



e-waste in the City of Lima and in Callao.

32.5 million inhabitants [28] 1 285 220 km² Borders: Ecuador, Colombia, Brazil, Bolivia (Plurinational State of), Chile, Pacific Ocean GDP per capita PPP: \$13,416 USD [29] Average household size: 3.8 members [30]

✓ As of May 18, 2021, Peru has 6 official e-waste operators that provide t Infrastructure:

....

storage, and treatment of screens

Infrastructure: 0000 Collection Rate: 0%

✓ Introduced in 2012, on the generation, collection, classification,

Each indicator is one circle.

Extended Producer Responsibility ✓ Introduced in 2017 National standards for POPs contained

E-waste collection target: ✓ For some collection categories Legislation product coverage in UNU-KEYs: 17 of 54

Legislation product coverage in weight (%) on total and per category(152); Total: 6 % of the e-waste generated in 2019











Basel Convention [31] 23/11/1993 (g) 21/02/1994 Rotterdam Convention [32] 14/09/2005 13/12/2005 14/09/2005 13/12/2005 Minamata Convention [34] 10/10/2013 21/01/2016

Sudan

43 222 000 inhabitants

1.886 million km²

Extended producer responsibility:

Product coverage (% weight) of

total and per category:

Basel Convention

Stockholm Convention Minamata Convention

National e-waste standards: E-waste collection target: Product coverage in UNU-KEYs:

1.886 million km²

Some of the project key results



RESULT 1: FIVE COUNTRY PROFILES
ELABORATED, WHICH INCLUDES AN
ASSESSMENT OF THE STATUS OF E-WASTE
LEGISLATION AND E-WASTE MANAGEMENT
USING DESKTOP RESEARCH, QUESTIONNAIRES
AND FOLLOW-UP INTERVIEWS



RESULT 2:FIVE NATIONAL STATISTICAL
OFFICES (NSO) TRAINED TO PRODUCE A
REGIONAL E-WASTE DATA SET FOR THE
WESTERN BALKANS, INCLUDING ESTIMATES
WHERE DATA MAY NOT BE AVAILABLE.



RESULT 3: VALIDATED PROFILES FOR THE FIVE COUNTRIES BY NSO THROUGH ONLINE ONE-TO-ONE FOLLOW-UP WITH EACH OF THE FIVE COUNTRIES.



RESULT 4: REGIONAL E-WASTE MONITOR
FOR THE WESTERN BALKANS REPORT
SEATURING COLLECTED DATA AND PUBLISHED
ON THE WEBSITE OF THE GLOBAL E-WASTE
STATISTICS PARTNERSHIP.





Project aims and objectives

Project **aims** to collect statistics, map the situation of e-waste management and legislation in the beneficiary countries as well as build subregional capacities in the field of e-waste monitoring and reporting.

The project has the following **objectives**:

Train NSOs to produce e-waste data for monitoring of SDG 12.5.1.



- Contribute to the development of internationally comparable e-waste statistics.
- Inform policy makers, industries, and business about regional e-waste data.
- Support the development of national and regional counter-measures through policies, regulations, awareness raising and industrial response.

Potential achievements

Some examples

- Improve the reporting under the Basel Convention
- Introduce more regulatory tools (e.g. E-waste collection categories, targets, etc.)
- Create a national baseline for monitoring e-waste over time
- Comply with the requirements of the EU Directive 2012/19/EU
- Progressing towards the SDGs indicators



Successful stories



The outcome of the project contributed to the development of the National E-Waste Statistics Report (2019), the first-ever analytical report on e-waste in Tanzania – *Naional Bureau of Statistics*

E-waste study was published on the government website, and a law was developed to include guidelines on e-waste management, and introducing the EPR and the concept of circular economy.



Uses the results from the project for Basel Convention and Stockholm Convention (POPs) reporting, and OECD surveys.





Successfully calculated national e-waste data in accordance with the requirements of Directive 2012/19/EU and the Council of July 4th 2012 on Waste Electrical and Electronic Equipment – *Agency of Statistics*

Previous Regional E-waste Monitors



REGIONAL E-WASTE MONITOR



https://ewastemonitor.info/ regional-e-waste-monitorcisgeorgia-2021/ https://ewastemonitor.info/gem-2020/



REGIONAL E-WASTE MONITOR

for the Arab States

2021



https://ewastemonitor.info/re gional-e-waste-monitor-forthe-arab-states-2021/



REGIONAL E-WASTE MONITOR

for Latin-America, results for the 13 countries participating in project UNIDO-GEF 5554



https://ewastemonitor.i nfo/wpcontent/uploads/2022/ 01/REM LATAM 2022 ENG Final.pdf



Promotional and awareness campaign & launching event

National Awareness raising workshops (April-July 2023)

Focus: Providing a deep dive into the country's situation by showcasing the findings of the project.

Objectives:

- Lay the basis for concrete follow-up at the country level;
- Presentation of the key national and sub-regional trends as well as potential initiatives to be leveraged related to e-waste;
- Discussion on the outstanding challenges in order to priority areas to be addressed
- Identification of the type of support needed and expertise to be leveraged for potential future assistance or initiatives.

Audience: National stakeholders relevant to the e-waste sector: Ministry of ICTs, Ministry of Environment; National Statistical Office; the private sector, including recyclers and operators; others.

Thank you for your attention!



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