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Sustainable Cycles Programme

SCYCLE

Programme

Utilization of e-waste data

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19 November 2020

Waste Statistics – Expert Group environment Statistics 2020 - UNSD



E-products

Improving quality of life

Challenges

Sustainable consumption and production

Waste Management

Need materials for:

Clean Energy Transition

Smart Cities

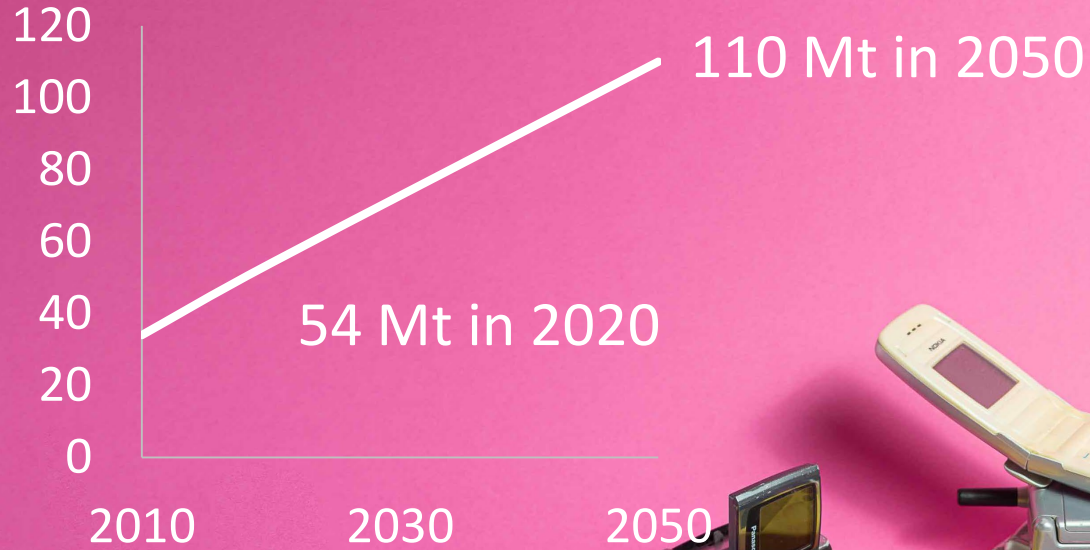
E-waste in SDGS

SDG 12.4.2 Hazardous Waste
(includes e-waste)

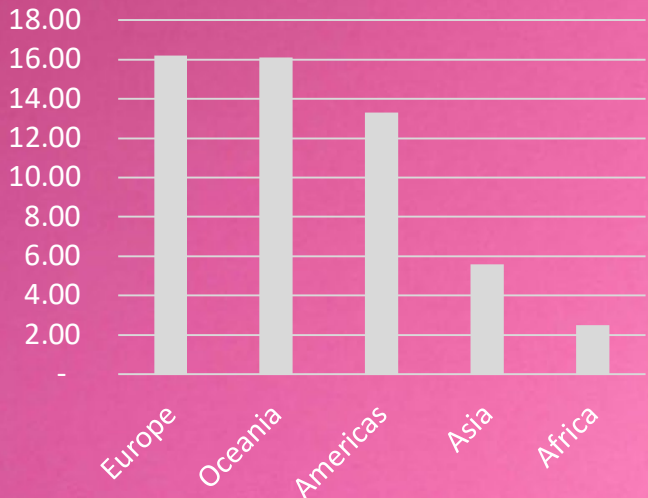
SDG 12.5.1 National Recycling Rate
(includes e-waste)



E-waste Generation



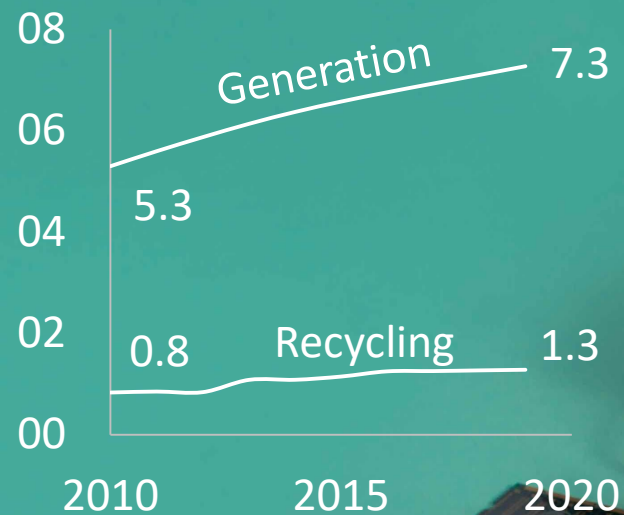
E-waste Generation globally (kg/inhabitant)



Growth 2010-2019 (kg/inh)

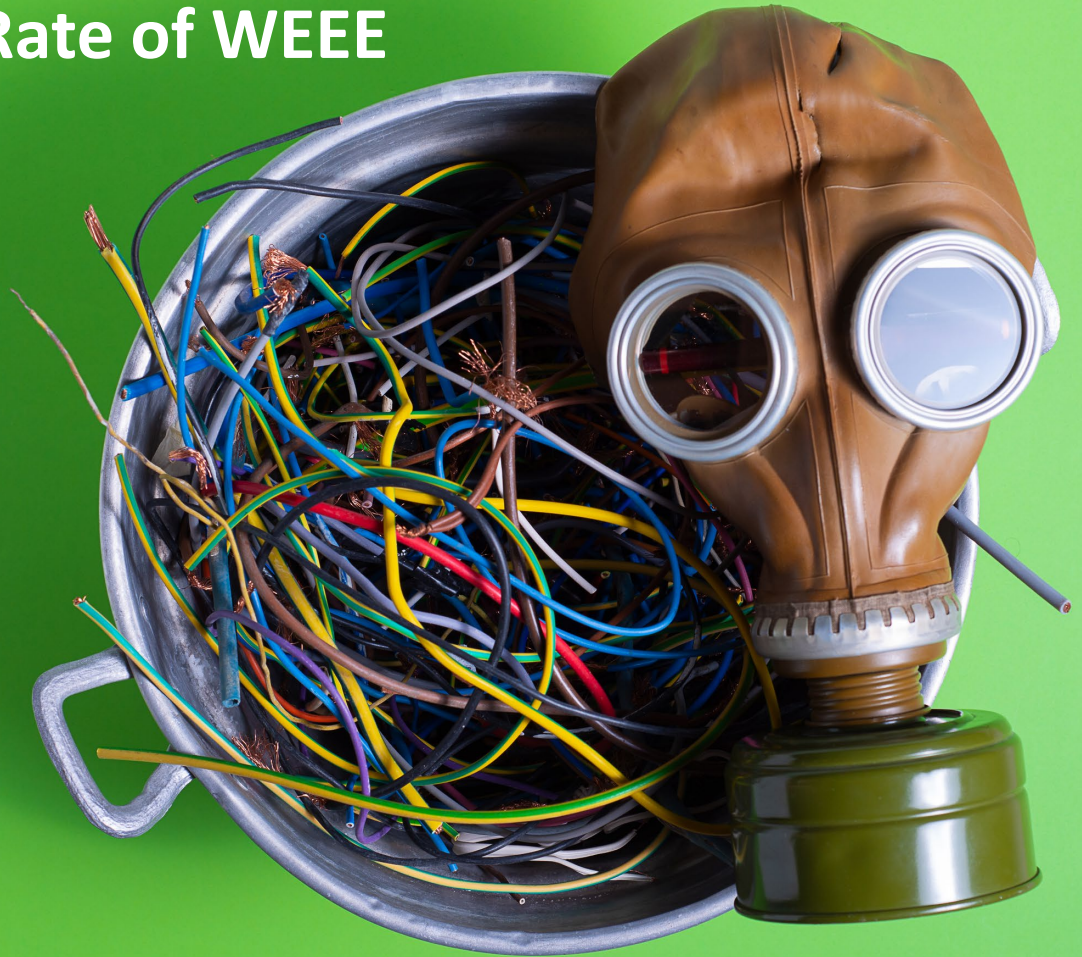
WEEE Generation: + 2.0

WEEE Recycling: + 0.5

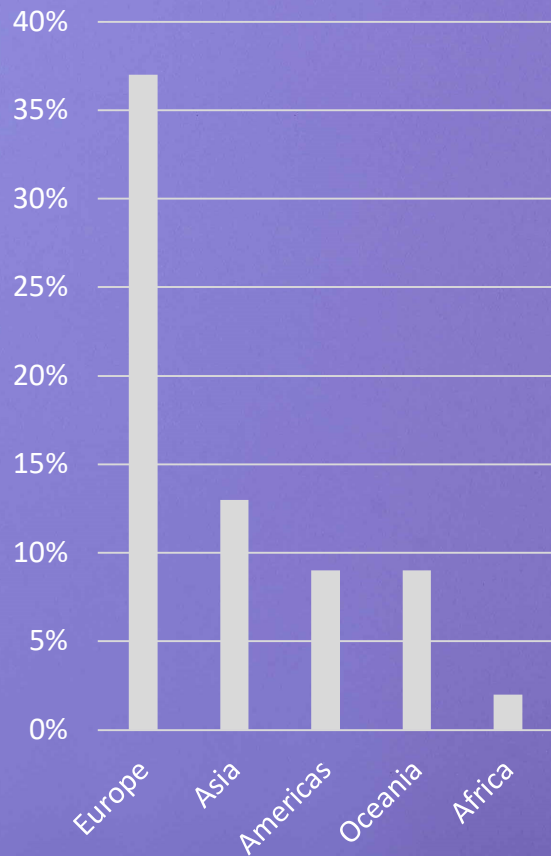


Global Collection Rate of WEEE

2019: 17%



Collection Rate of WEEE



Raw Material Value: 57 billion USD

50 t of Mercury

71 kt brominated flame retardants plastics

100 Mt CO₂-eq emissions from untreated refrigerants

	kt	mill.USD		kt	mill.USD
Ag	1.2	579	In	0.2	17
Al	3046	6062	Ir	0.001	5
Au	0.2	9481	Os	0.01	108
Bi	0.1	1.3	Pd	0.1	3532
Co	13	1036	Pt	0.002	71
Cu	1808	10960	Rh	0.01	320
Fe	20466	24645	Ru	0.0003	3
Ge	0.01	0.4	Sb	76	644



UNSD/UNEP data collection on e-waste

- Input into the data for the
 - Global E-waste Monitor
 - Regional E-waste Monitors
 - Data for SDG 12 monitoring



Key output

■ 2019

- Tanzanian + Jordan national reports (by NBS Tanzania + DOS Jordan)

■ 2020

- Data for SDG 12 report
- Global E-waste Monitor
- Dutch WEEE Flows – what happened between 2010-2018
- Dutch Battery Flows
- EU WEEE Flows

Regional e-waste Monitors in preparation



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■ Regions

- ARAB Region: Implemented by United Nations University and ITU in close cooperation with UNEP and UN ESCWA. Funded by ITU and UNU.
- CIS + Region: Implemented by United Nations University with UNEP. Funded by German MoE
- Latin American Region: Implemented by United Nations University funded by UNIDO.

■ Workshops

- Workshop in Tunis Dec 2019 for Arab countries
- Workshop in Moscow Jan 2020 for CIS+ countries
- Virtual workshop 2 and 3 November for CIS+ countries
- Virtual workshop 2+3 December workshop Arab States
- Workshop early 2021 for CIS+

National Training and Studies 2021



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- Namibia, Botswana and Malawi
 - funded ITU and UNITAR
 - implementation UNITAR + National partners (Telecommunication Authorities, MoE and NSO, and other stakeholders)

- East African Community
 - funded ITU and UNITAR
 - Implementation UNITAR + EACO and National partners

- National Training and report for Bahrain
 - funded by UNEP
 - Implementation UNITAR and national stakeholders

Self Paced Learning online



- To be developed in 2021 and published at www.globalewaste.org

UNU Toolkit



- Excel File Electronic Products entering Market 1980-now + Manual
- Excel File E-waste Generated (lifespans and Products entering market)
- Statistical guidelines
 - available in RU/EN
- Capacity building page at www.globalewaste.org

Discussion points



- How do NSOs collect data on e-waste? Who is the NSO's focal point (e.g. Ministry of Environment, Ministry of Communications and Information Technology)? How do they communicate with each other - is there a specific working group to discuss/coordinate?
- Have countries used the UNU-Keys classification to derive estimates of e-waste data? If so, what are the challenges and lessons learned?
- Are countries able to submit e-waste data to the UNSD/UNEP Questionnaire and OECD/Eurostat Questionnaires?

Take away messages

- Global e-waste increases rapidly
- Recycling is not keeping pace
- Statistics are very important in initial stage for planning policies and management
- Join us to work with us !!!

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Key data sources:

- Global E-waste Monitor 2020
- www.globalewaste.org

Art work:

- Yassin Sidki

