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Programme

Global e-waste trends

Dr. Kees Baldé

6 October 2020

Expert Group Meeting on “Resource Efficiency in the Arab Region:
Monitoring Progress of SDG 12”



E-products

Improving quality of life

Challenges

Sustainable consumption and production

Waste Management

Need materials for:

Clean Energy Transition

Smart Cities

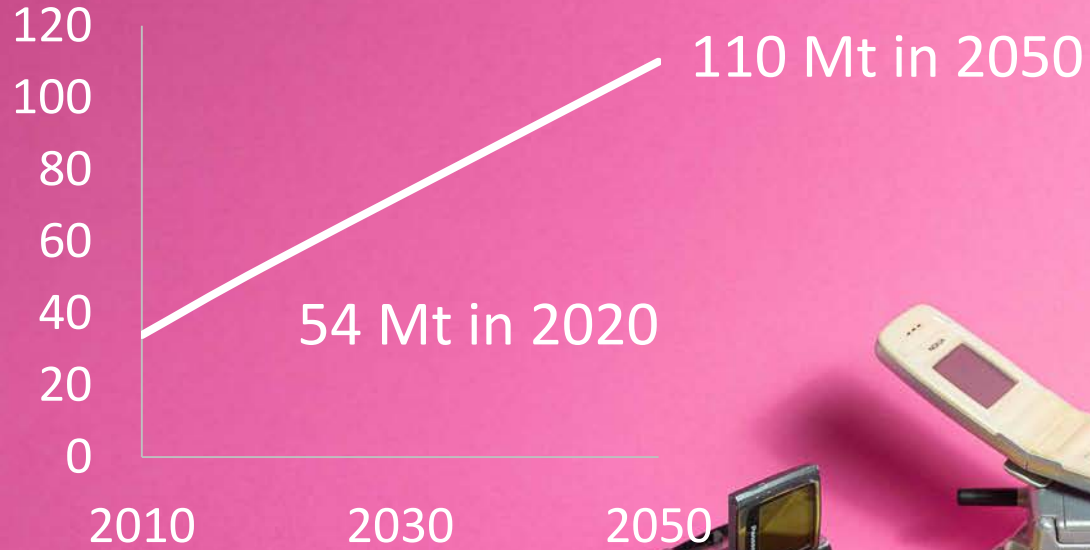
E-waste in SDGS

SDG 12.4.2 Hazardous Waste
(includes e-waste)

SDG 12.5.1 National Recycling Rate
(includes e-waste)



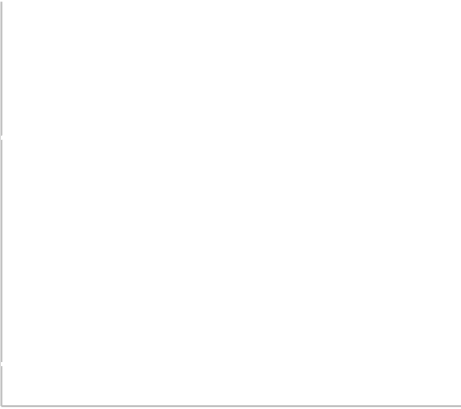
E-waste Generation





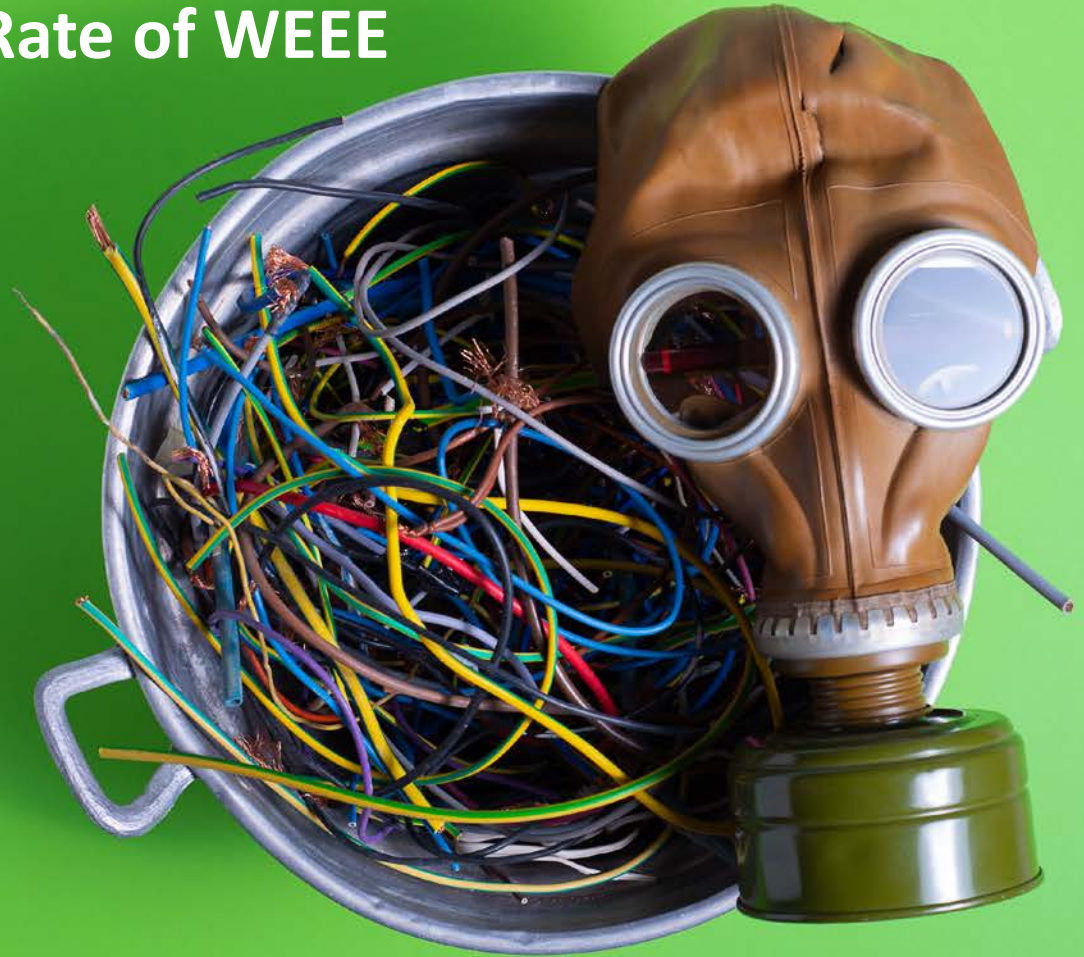
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Global Collection Rate of WEEE

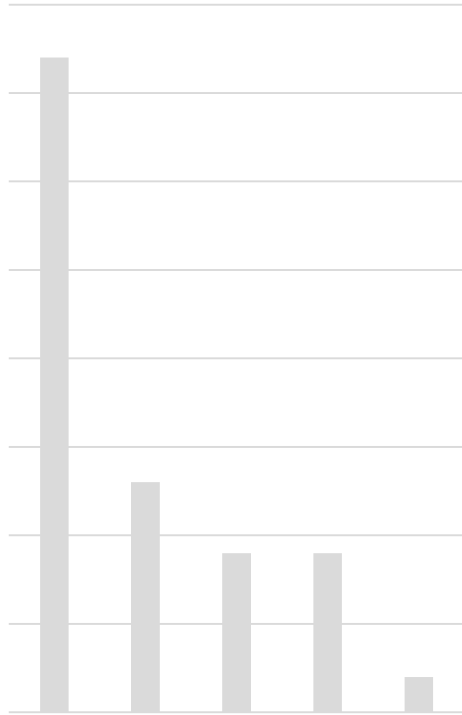
2019: 17%





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Raw Material Value: 57 billion USD

50 t of Mercury

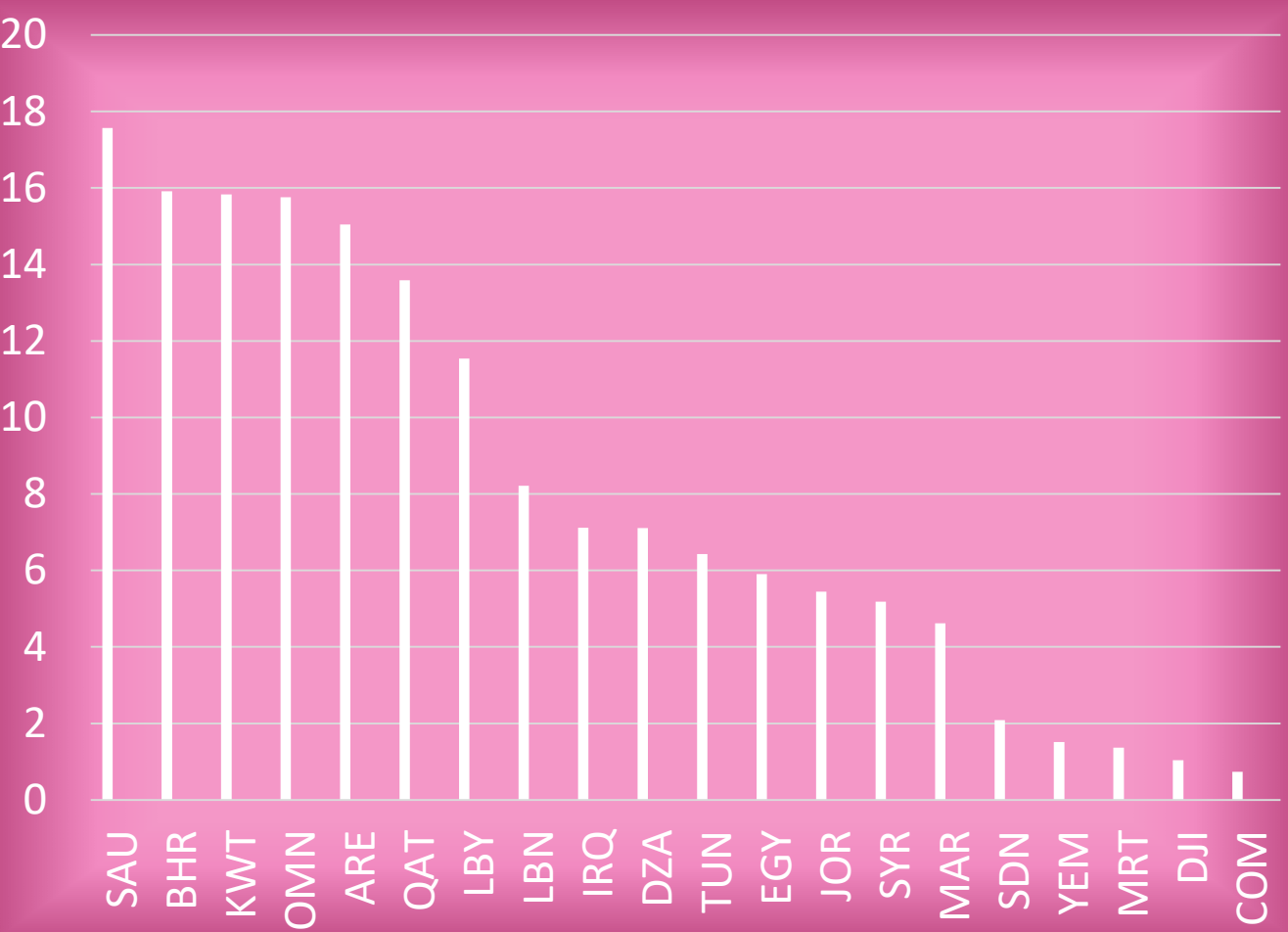
71 kt brominated flame retardants plastics

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



E-waste Generation Arab Region (kg/inhabitant)



2.8 Mt in 2020



Arab States Project

- Implemented by United Nations University and ITU

Goals

- Map statistics and e-waste policies
- Build capacity with statistics

How

- Statistical Tools
- Workshop Tunis December 2019
- Questionnaire

Data gaps statistics

- Lebanon, Jordan, and UAE working with UNU e-waste tools
- Other countries still challenging to get data for
 - E-waste generation
 - E-waste collection and recycling
 - Import and export of e-waste



Take away messages

- Global e-waste increases rapidly
- Recycling is not keeping pace
- Statistics are very important
- UNU/ITU Arab States Project on-going

Contact: balde@vie.unu.edu

Key data sources:

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

Art work:

- Yassin Sidki