





Project Erasmus + 2019-1-ES01-KA202-063878 Residuos Eléctricos y Electrónicos y Calidad del Aire

Global E-waste Monitor 2020.

Summary, future and suggestions.

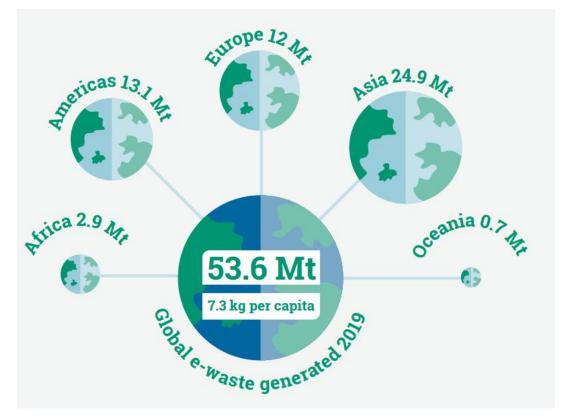
course 2020/21

The consumption of Electrical and Electronic Equipment (EEE) 2019









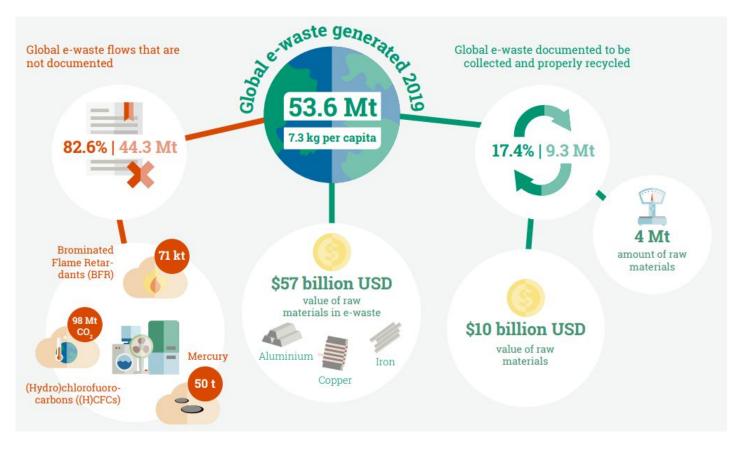
Recycling of EEE







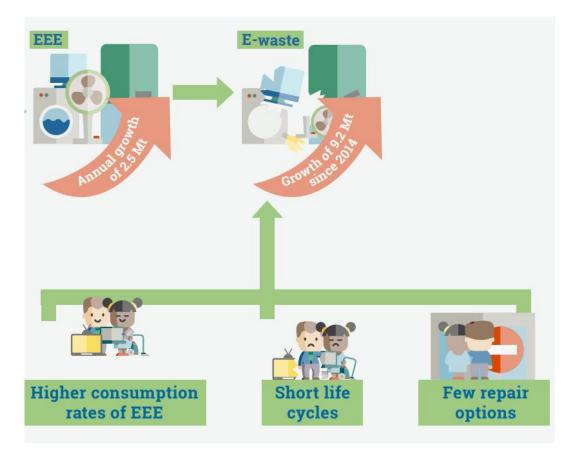
WEEE and pollution







Reasons for the increase in WEEE







EEE consumption by families

Source Global E-waste Monitor 2020

Global average number of selected appliances owned per capita, by country's income level High income High/middle income Middle income Middle/low income Low income Average household size: 3.6 2.8 5.0 Average purchasing power parity in USD per capita: 21.697 9.874 51.581 3.503 1.261 0.1 0.7 1.6 0.3 0.3 0.2 0.1 0.1 0.02 0.1 • • • • 0.2 0.1 16 0.4 0.01 0.001 0.4 1.4 0.1 1.2 0.03 1 0.01 0.9 0.003 0.6

(incl. combined, excl. grills)



Laptops (incl. tablets) Lamps



Classification and variation in the generation of WEEE since 2014

Source Global E-waste Monitor 2020



1. Temperature exchange equipment:

more commonly referred to as cooling and freezing equipment. Typical equipment includes refrigerators, freezers, air conditioners, and heat pumps.



4. Large equipment:

typical equipment includes washing machines, clothes dryers, dishwashing machines, electric stoves, large printing machines, copying equipment, and photovoltaic panels.



2. Screens and monitors:

typical equipment includes televisions, monitors, laptops, notebooks, and tablets.



5. Small equipment:

typical equipment includes vacuum cleaners, microwaves, ventilation equipment, toasters, electric kettles, electric shavers, scales, calculators, radio sets, video cameras, electrical and electronic toys, small electrical and electronic tools, small medical devices, small monitoring, and control instruments.



typical equipment includes fluorescent lamps, high intensity discharge lamps, and LED lamps.



6. Small IT and Telecommunication equipment:

typical equipment includes mobile phones, Global Positioning System (GPS) devices, pocket calculators, routers, personal computers, printers, and telephones.





Screens and monitors



Lamps



Large equipment



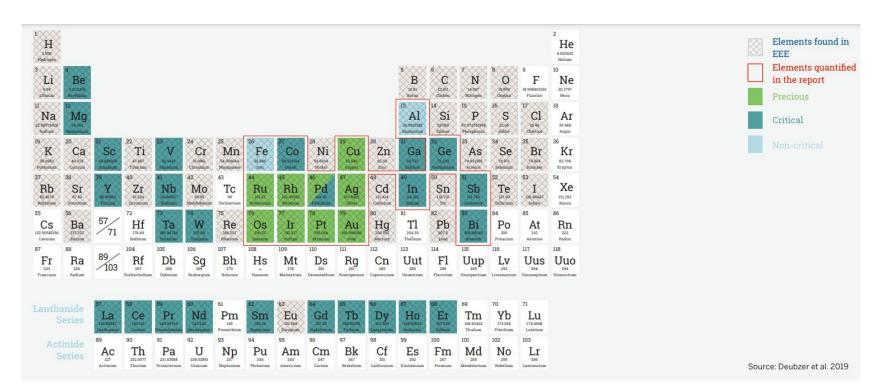
Small equipment



Small IT and telecommunication equipment



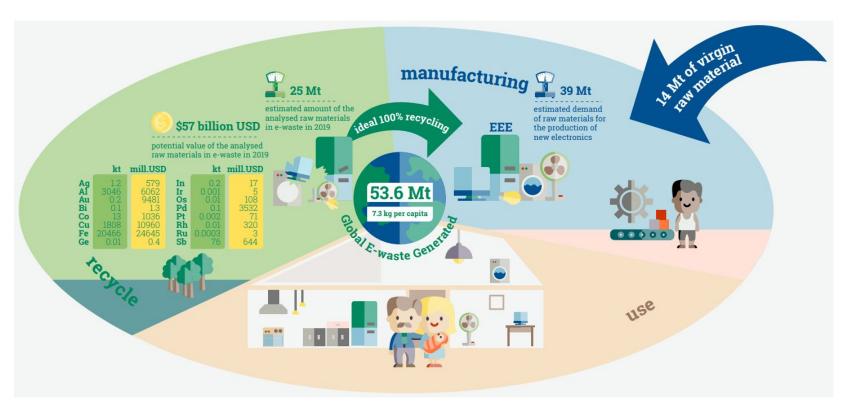
EEE: elements used

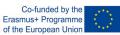






EEE: items recovered







AEE first steps for a better future

Source: news european parliment

Parliament wants to grant EU consumers a "right to repair" (25/11/2020)

Main objectives

- Remove obstacles that prevent repair, resale, and reuse
- Encourage sustainable consumer choices and promote a reuse culture.
- Improve repairability and extend the useful life of products.

Measures to be taken

- Promote more sustainable public procurement, as well as responsible marketing and advertising.
- Establish a common mandatory labeling that indicates durability.
- Fight against planned obsolescence at the EU level.



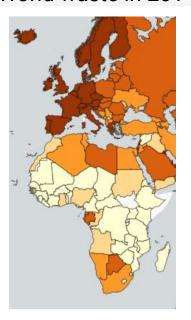


EEE: the other side

Suorces: https://elpais.com/especiales/2015/basura-electronica

https://jackottaviani.carto.com/datasets

World waste in 2014



A second chance



Burning waste in Ghana







Our suggestions







Videos on the right use of EEE:

- What is an EEE?
- <u>Don't use standby</u>
- Mobile phonese
- <u>Laptops</u>





Bibliography:

Global E-waste Monitor 2020

Noticias parlamento europeo

https://elpais.com/especiales/2015/basura-electronica/

https://jackottaviani.carto.com/datasets

https://twinspace.etwinning.net/94367/pages/page/877105

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