



Project Erasmus + 2019-1-ES01-KA202-063878

Residuos Eléctricos y Electrónicos y Calidad del Aire

Waste electrical and electronic equipment (WEEE)

Informative session

Authors:

The American College of Sofía, Bulgaria.
Second Vocational High School of Chania. Grecia,
I.E.S Punta del Verde de Sevilla. España

The consumption of Electrical and Electronic Equipment (EEE) 2019

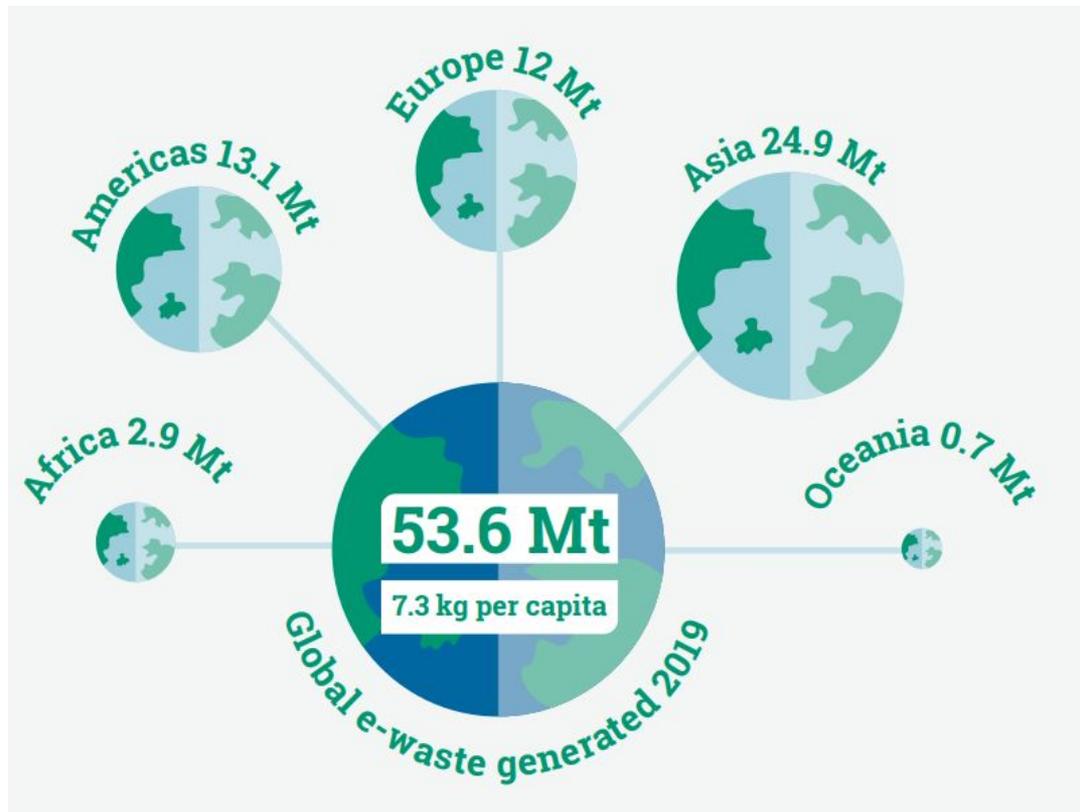
Source [Global E-waste Monitor 2020](#)

aldea



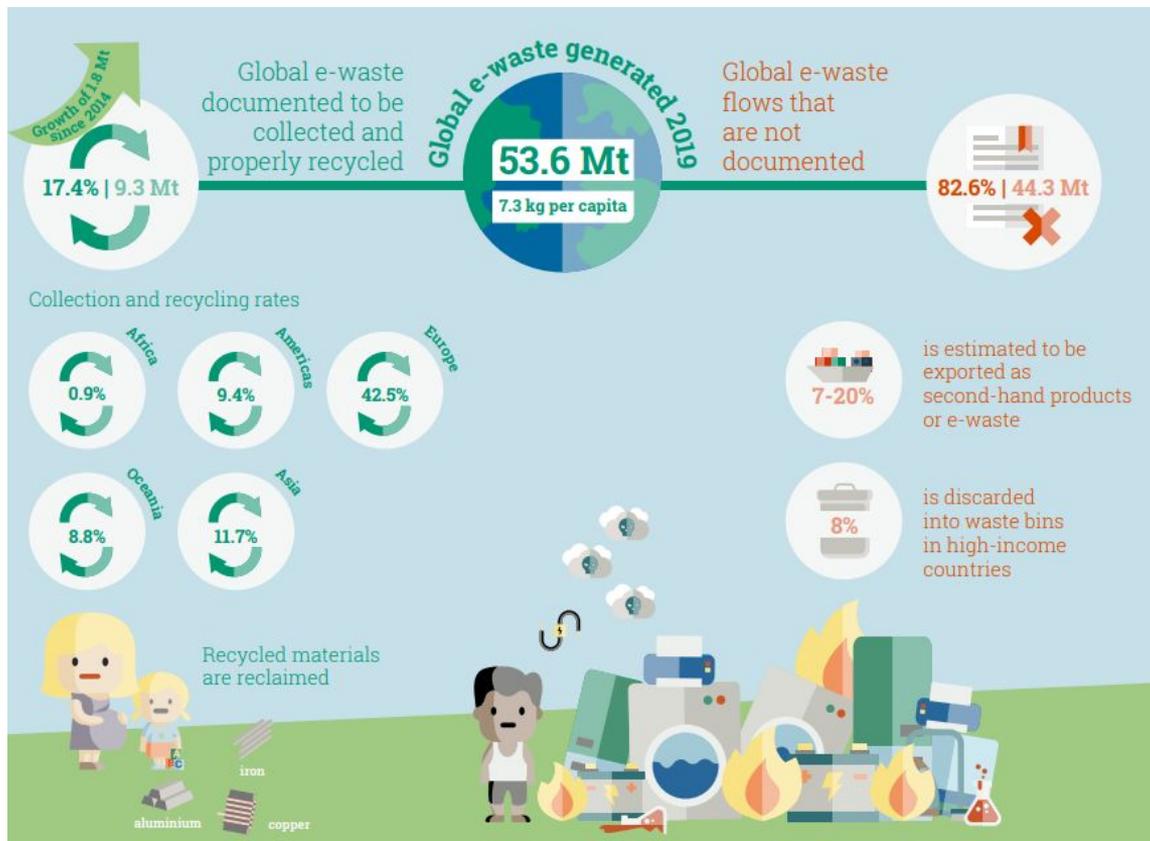
W.E.E. and Air Quality

Co-funded by the
Erasmus+ Programme
of the European Union



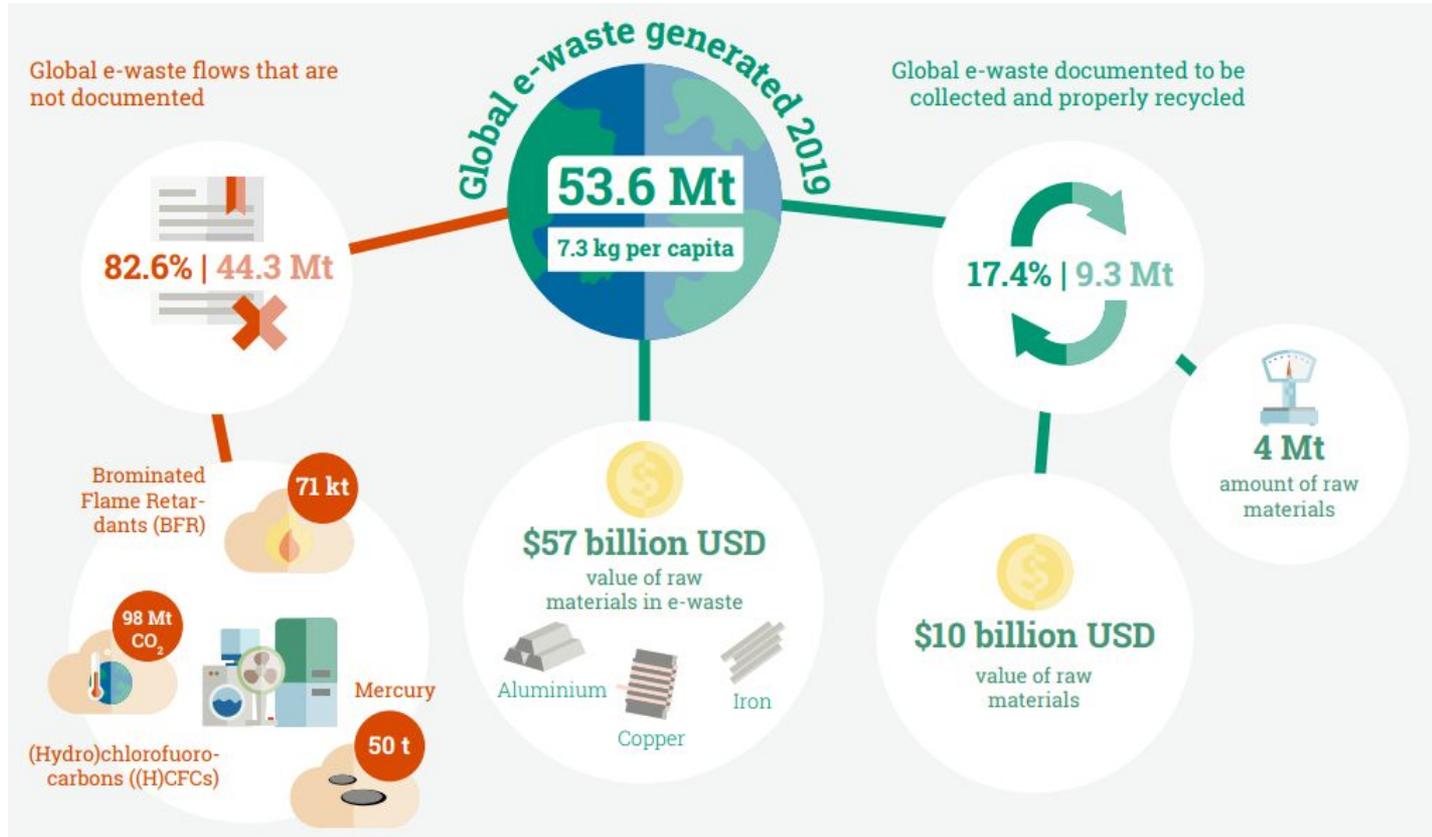
Recycling of EEE

Source [Global E-waste Monitor 2020](#)



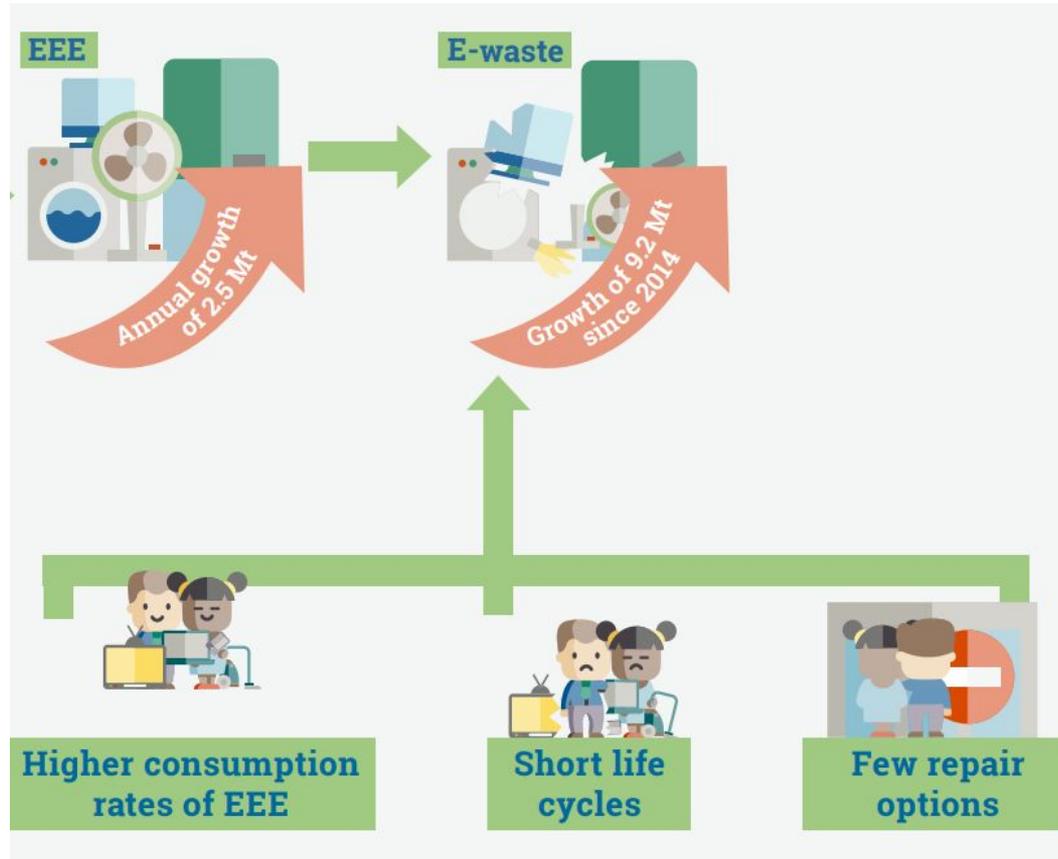
WEEE and pollution

Source [Global E-waste Monitor 2020](#)



Reasons for the increase in WEEE

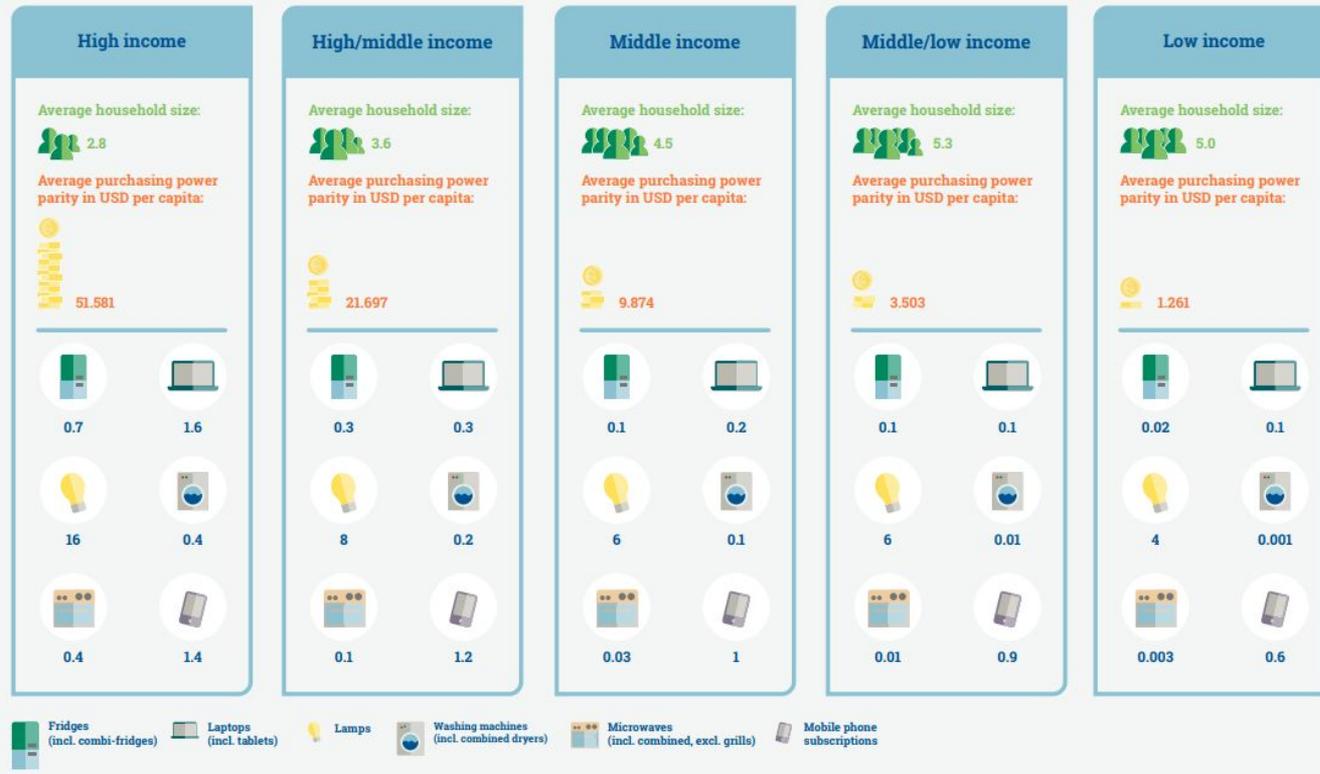
Source [Global E-waste Monitor 2020](#)



EEE consumption by families

Source [Global E-waste Monitor 2020](#)

Global average number of selected appliances owned per capita, by country's income level



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.

2. Screens and monitors:

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

3. Lamps:

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

4. Large equipment:

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

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.

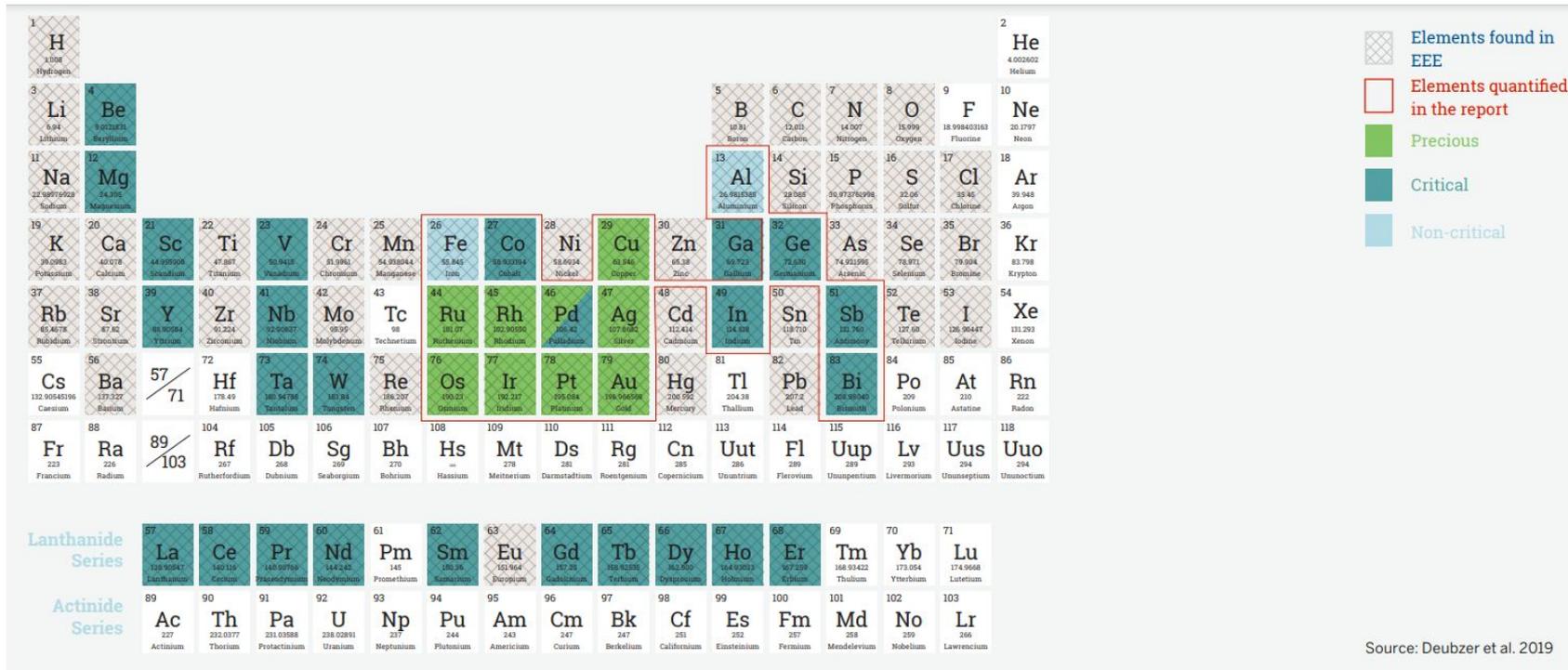
6. Small IT and Telecommunication equipment:

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



EEE: elements used

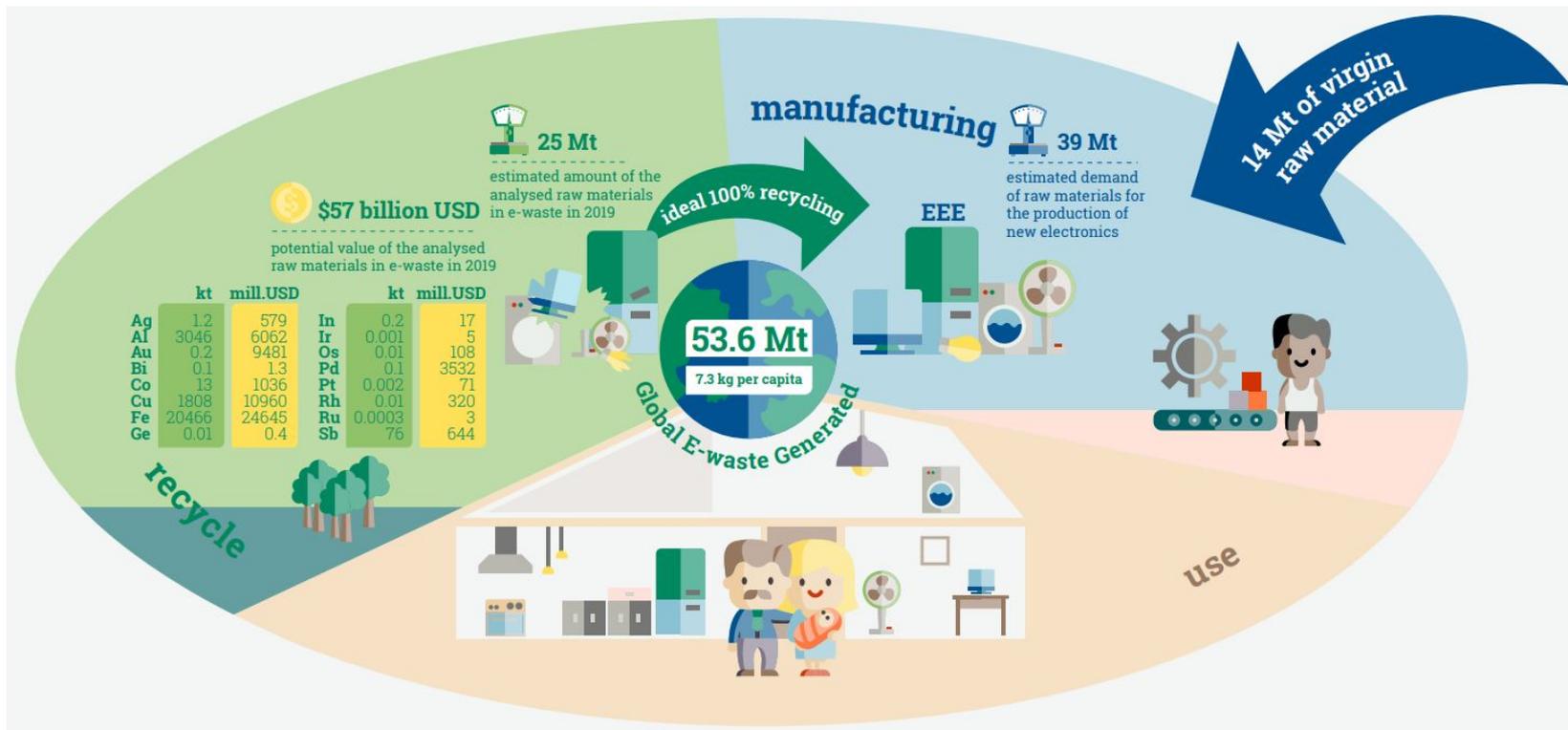
Source [Global E-waste Monitor 2020](#)



Source: Deubzer et al. 2019

EEE: items recovered

Source [Global E-waste Monitor 2020](#)



WEEE first steps for a better future

Source: [news european parliament](#)

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

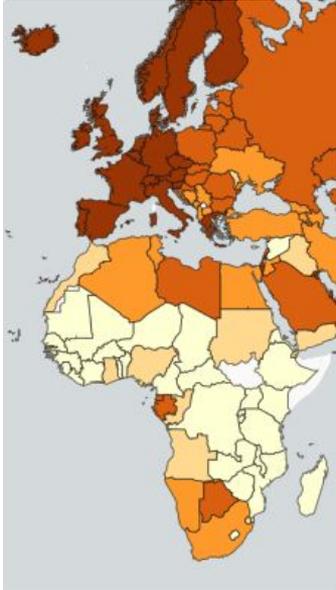
- Promote more sustainable public procurement, as well as responsible marketing and advertising.
- Establish a common mandatory labeling that indicates durability.
- Fight against planned obsolescence at the EU level.

WEEE: the other side

Sources: <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?](#)
- [Don't use standby](#)



[Electrical and electronic devices used at home](#)



Our suggestions

Videos on the right use of EEE:

- [Mobile phone](#)



Our suggestions

Videos on the right use of EEE:

- Laptops

Co-funded by the
Erasmus+ Programme
of the European Union



W.E.E. and Air Quality



I.E.S. PUNTA DEL VERDE

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

Medidas Medioambientales Portátil

Jesús Cardeñas Mármol



Our suggestions

Co-funded by the
Erasmus+ Programme
of the European Union



W.E.E. and Air Quality

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

Impresoras responsables

Jaime Jesús Barrionuevo Mairén

Manuel González Gamito

Videos on the right use of EEE:

- [General tips.](#)
- [Tips for ink and toner](#)

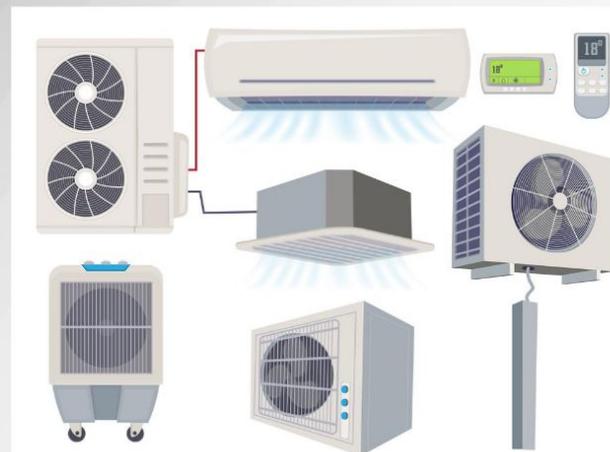


Our suggestions

Videos on the right use of EEE:

- [Choisel tips.](#)
- [Technical characteristics to reduce energy consumption and pollution.](#)
- [Economic Tips](#)

Types of air conditioners



Authors: ELEFThERAKI
Aggelina, PIMPLIS EMMANUIL
Illustration: DOUROUNTAKI
Maria, PROESTAKIS
Konstantinos, KARTAKI Maria
Logo: PAPAFLIPAKIS Nikolas
Translation: ORNERAKI
Georgia, DOUROUNTAKI Maria

VectorStock®

VectorStock.com/29652511

Co-funded by the
Erasmus+ Programme
of the European Union



Project Erasmus + 2010-1-ES01-KA202-063878
Residuos Eléctricos y Electrónicos y Calidad del Aire



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>

<https://twinspace.etwinning.net/files/collabspac/7/67/367/94367/files/bddb3cf6.pdf>

<https://twinspace.etwinning.net/files/collabspac/7/67/367/94367/files/be105c032.pdf>

<https://twinspace.etwinning.net/files/collabspac/7/67/367/94367/files/bda4b562.pdf>

<https://twinspace.etwinning.net/files/collabspac/7/67/367/94367/files/baa268aba.pdf>

<https://twinspace.etwinning.net/files/collabspac/7/67/367/94367/files/b6b34f418.pdf>

<https://www.youtube.com/watch?v=5FJE-WmiO3Q&list=PLnIWZp6eq5hGftDmfJXmra6CMBn3MvnHr>

This project has been funded with support from the European Commission. This publication [communication] reflects the views only of the author, and the Commission cannot be held responsible for any use which may be made of the information contained therein.

