



E-WORLD TO E-WASTE

1



WHAT HAPPENS TO YOUR ELECTRONIC WASTE?

You upgrade to a new device when your old one is outdated or broken quickly.

3



It ends up in a local **landfill**.

OR

EXPORTED

to low income countries.

4



Hazardous working conditions for low-income communities.



5



2



53.6 MILLION (MT)

of e-waste was thrown out in 2019

- Increased by 21% in the past 4 years



DEEPLY ROOTED

Much of the e-waste problem stems from the consumer culture of the tech industry.

- Large tech companies design electronics to be quickly outdated and thrown away
- Cheaper to buy new versions.
- Rich countries **generate** massive amounts of e-waste.

“Planned obsolescence”



ONLY 20%
of the world's total
E-WASTE
is collected to
formal recyclers.

HUMANITARIAN

A case study in Guiyu, China:

- **60–80%** of families engaging in e-waste recycling
- Median of BLL in Guiyu children is **7.06 g/dL** → significantly higher than children in another region (5.89 g/dL)

ECOLOGICAL

Americans alone throw out
phones worth

\$60 MILLION

in gold and silver every year

SOLUTIONS

- Legal and regulatory
 - Right to Repair
- Circular economy
- New recycling methods



- **Unsustainable extraction** of non-renewable minerals
- **Non-biodegradable** precious materials put into landfills
- Toxic waste contributing to water and soil **contamination** and **methane emissions**