# GLCb2020 Environmental threats and security

**Contemporary environmental threats** 

April 6, 2023 Miriam Matejova, PhD

### Agenda

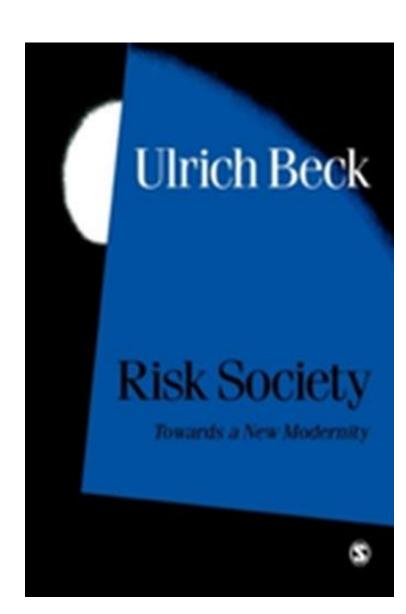
- Pollution
- Overconsumption
- Waste

# What is killing us?

	Type of pollution	Deaths (2010)
1.	Household air pollution (smoke)	3,546,399
2.	Outdoor air pollution (particulate matter)	3,223,540
3.	Led poisoning	674,038
4.	Water/sanitation pollution	337,476
5.	Ozone	152,434
6.	Residential radon exposure	98,992
Source: Lim et al. (2012)		

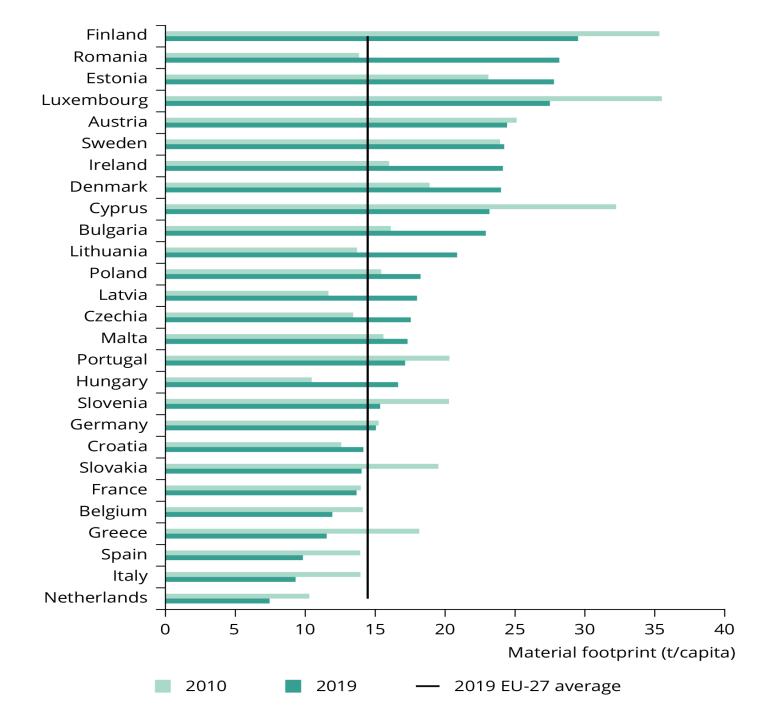
## "Risk society"

- Ulrich Beck (1992)
- People who live in risk society accept pollution and disasters as a necessary part of life.
- "Insecurity" is becoming an everyday part of life.



### Overconsumption

- Material footprint: "the total amount of raw materials extracted to meet final consumption demands"
  - Indicator of the pressure put on the environment due to economic growth and satisfaction of people's material needs



### Obsolescence and consumption

#### Technological obsolescence

Due to technological innovation

#### Psychological or dynamic obsolescence

 A change in the product style as a way to manipulate consumers

#### Planned obsolescence

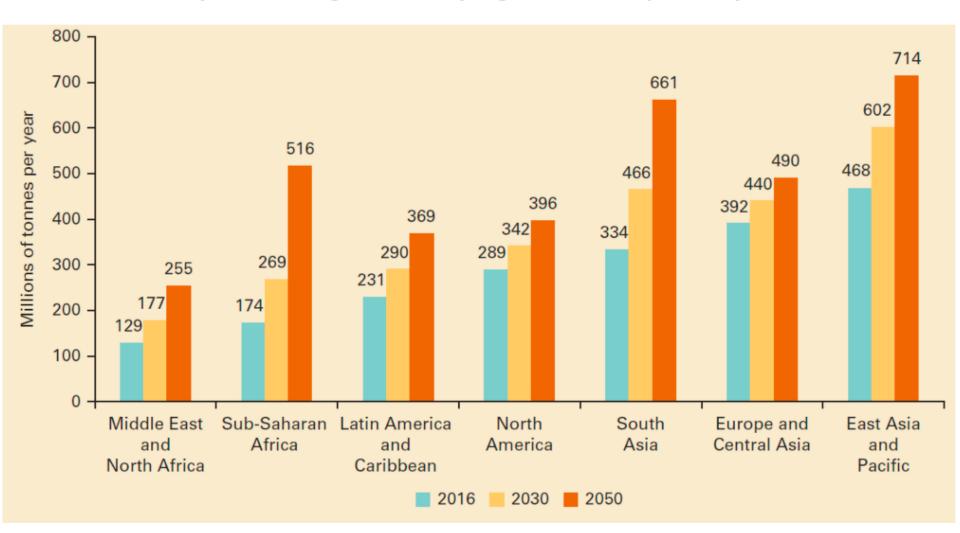
Limit the durability of products to stimulate
repeat consumption

## **Smartphone: ingredients**



### **Consumption and waste**

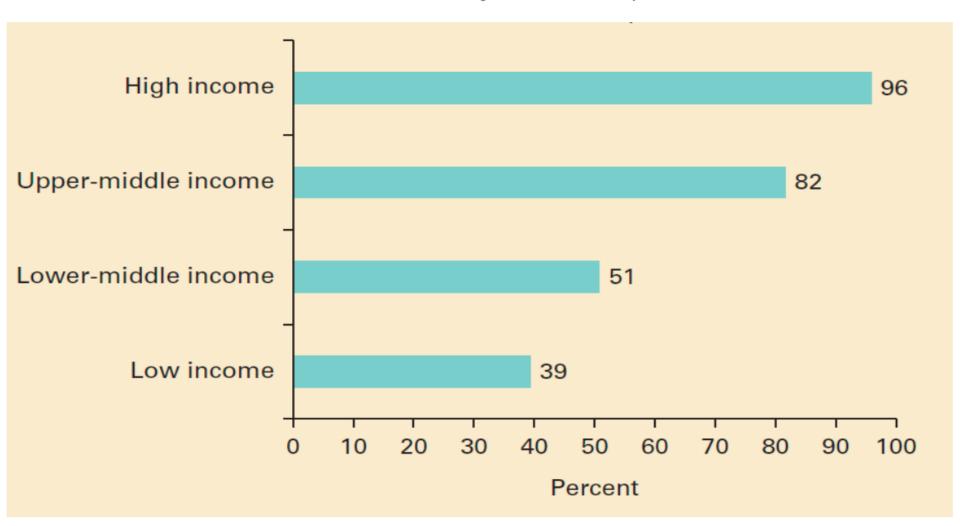
Projected waste generation, by region (millions of tonnes/year)



Source: World Bank

### Waste and income

Waste collection rates, by income level (percent)



Source: World Bank



Questions?