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Statistics on E-waste

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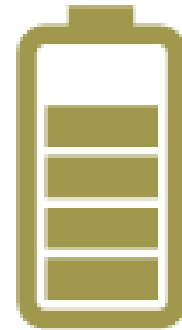
Senior Programme Officer



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Products contain valuable materials



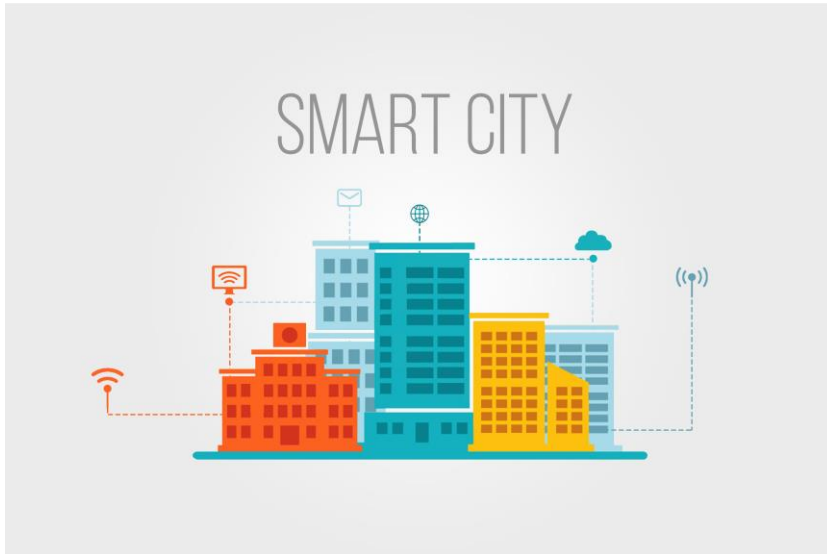
Importance of materials to economy



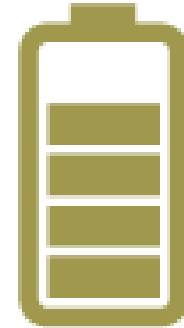
Toxics can cause environmental pressure



Need for the materials !



Where are those materials in our economy? Urban Mine !



Global E-waste Statistics Partnership

1. National and regional capacity building

- Producing reliable e-waste statistics
- Guiding countries to collect national data

Formed in January 2017 to address the e-waste challenge by improving e-waste data

2. Global e-waste database

- To track developments
- To inform policy makers and industry



3. Communicate data

- Via the Global e-Waste Monitor



4. Map recycling opportunities and health effects

5. Identify best practices of global e-waste management

6. Inform on Sustainable Development Goals (SDG)

March '18 – UN E-waste Coalition



UNU, UNEP, ITU, ILO, UNITAR, UNIDO, SBC

Global Political Targets

Current Connect 2020

- Target 3.2: Volume of redundant e-waste to be reduced by 50% by 2020

NEW Draft ITU 2023 Targets include:

- Target 3.2: by 2023, increase the global e-waste recycling rate to **x%**
- Target 3.3: by 2023, raise the number of countries with an e-waste legislation to **x%**

Links to many SDGs



Global work - Methodologies

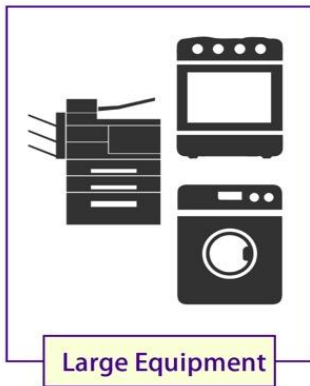
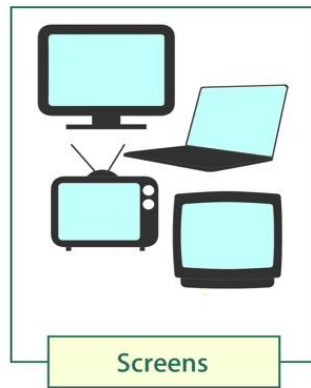
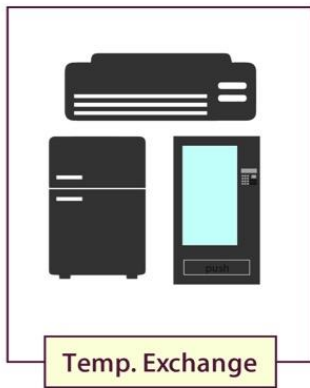
- UN Partnership on Measuring ICT for Development
 - Chair: Task Group on Measuring E-waste
- Endorsed by: ITU, UNCTAD, Eurostat, OECD, ILO, UNECA, ESCAP, UNEP-SBC, etc
- Guide countries to measure relevant parameters for e-waste
 - <http://ias.unu.edu/en/research/e-waste-quantification.html#outputs>
- E-waste Statistics Guidelines
 - First edition 2015
 - Second Edition 2018



What is e-waste

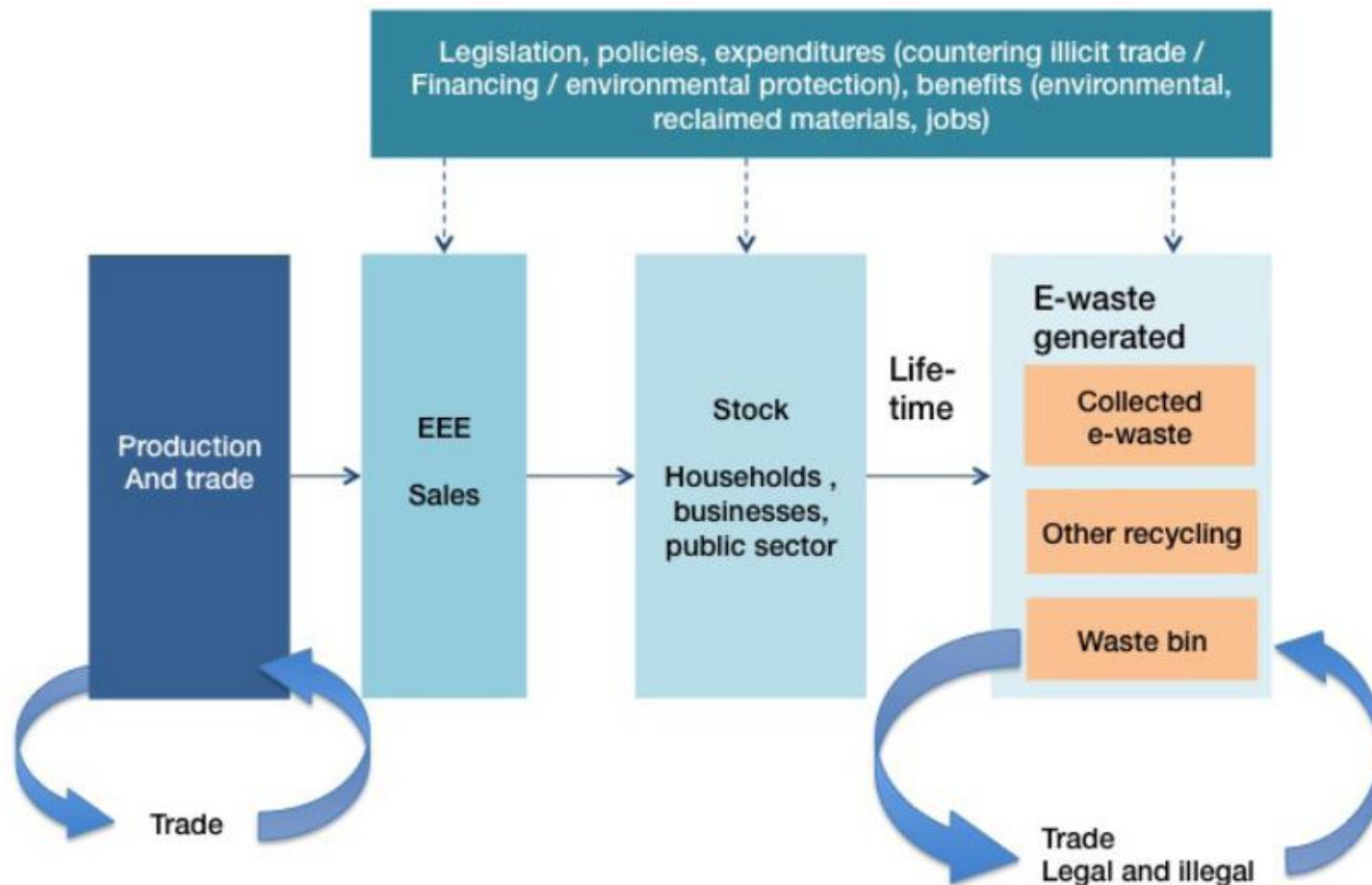


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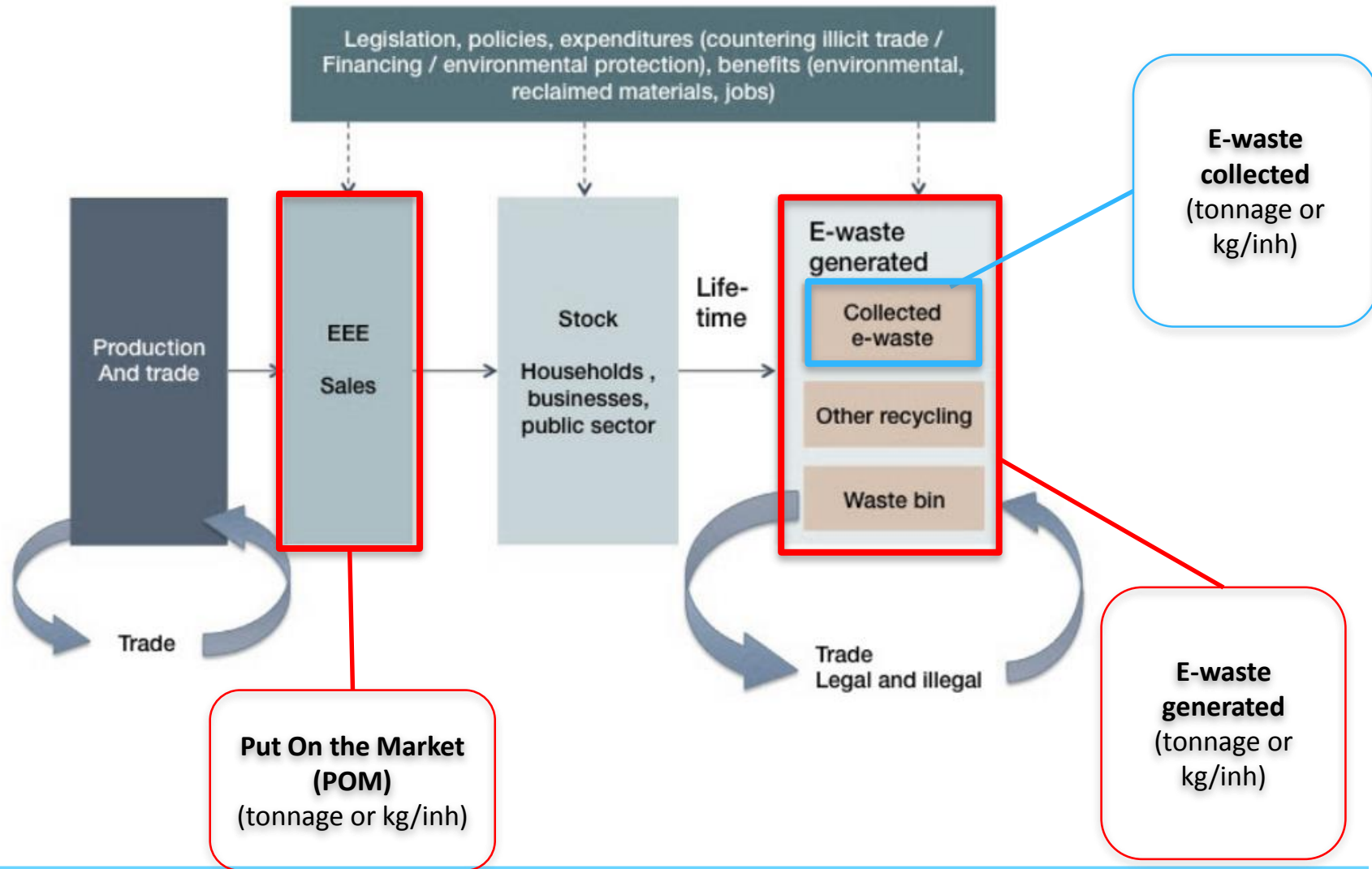


“E-waste, refers to all items of electrical and electronic equipment (EEE) and its parts that have been discarded by its owner as waste without the intent of re-use”

Measure e-waste: *flows*



Measure e-waste: *indicators*



Global Work - Monitoring

- Policy advice by monitoring e-waste flows
 - European Commission
 - 10 countries in EU, e.g. Italy, France
 - GMSA – Latin America
- Two Global E-waste Monitors 2015 and 2017
- Regional e-waste monitor 2017 (South East Asia)
 - Co financed by Japan
- More e-waste monitors in future
 - Subject to funding
 - Latin America, Arab States, EAC, CIS

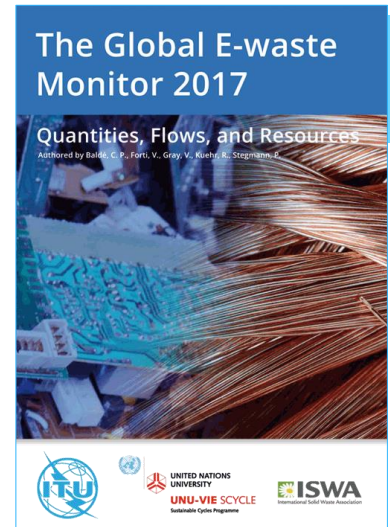


Key drivers for growth of e-waste

- More people joining the information society
- Product lifecycles become shorter
- Many designs do not support repair or reuse

Global E-waste Quantities

Source: The Global E-waste Monitor-2017 (UNU, ITU, ISWA)



=



4500 Eiffel Towers

8.9 Mt
Is documented to be
collected and recycled



2 Mt
end up in waste
bins

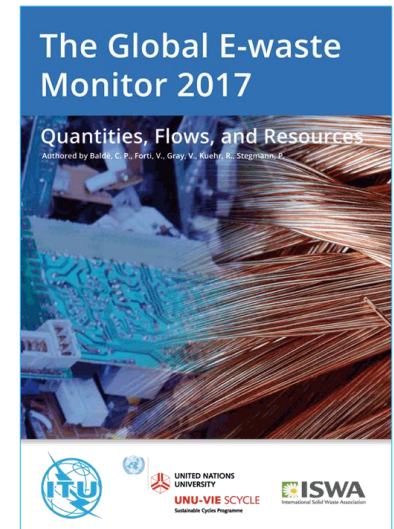


? Outside official
take-back systems

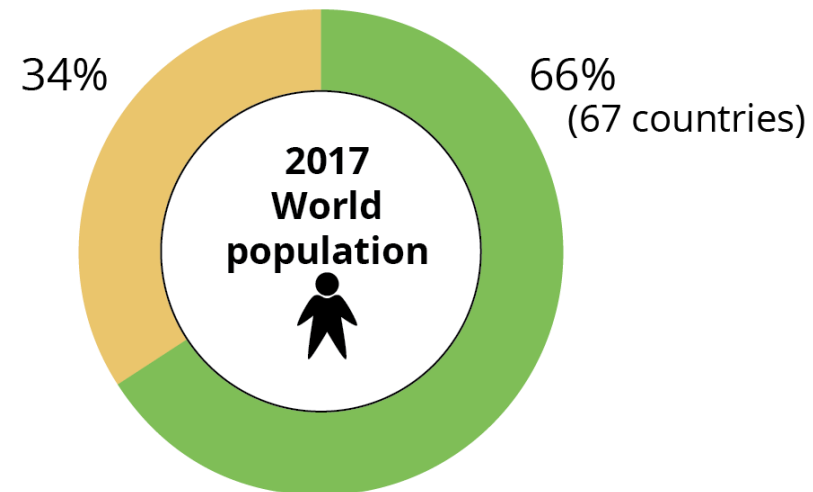
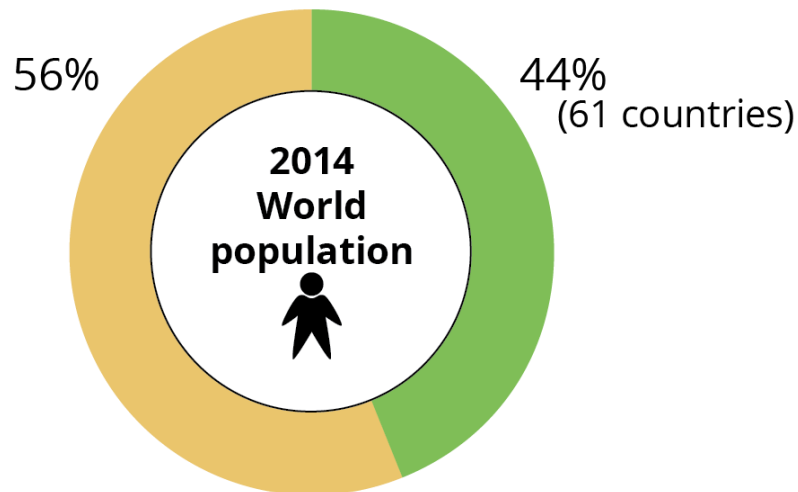
1. Collection outside official take-back systems in developed countries is still unknown
2. Transboundary movement is still unknown
3. Informal collection systems in developing countries are still unknown

Legislation

- 67 countries have e-waste legislation

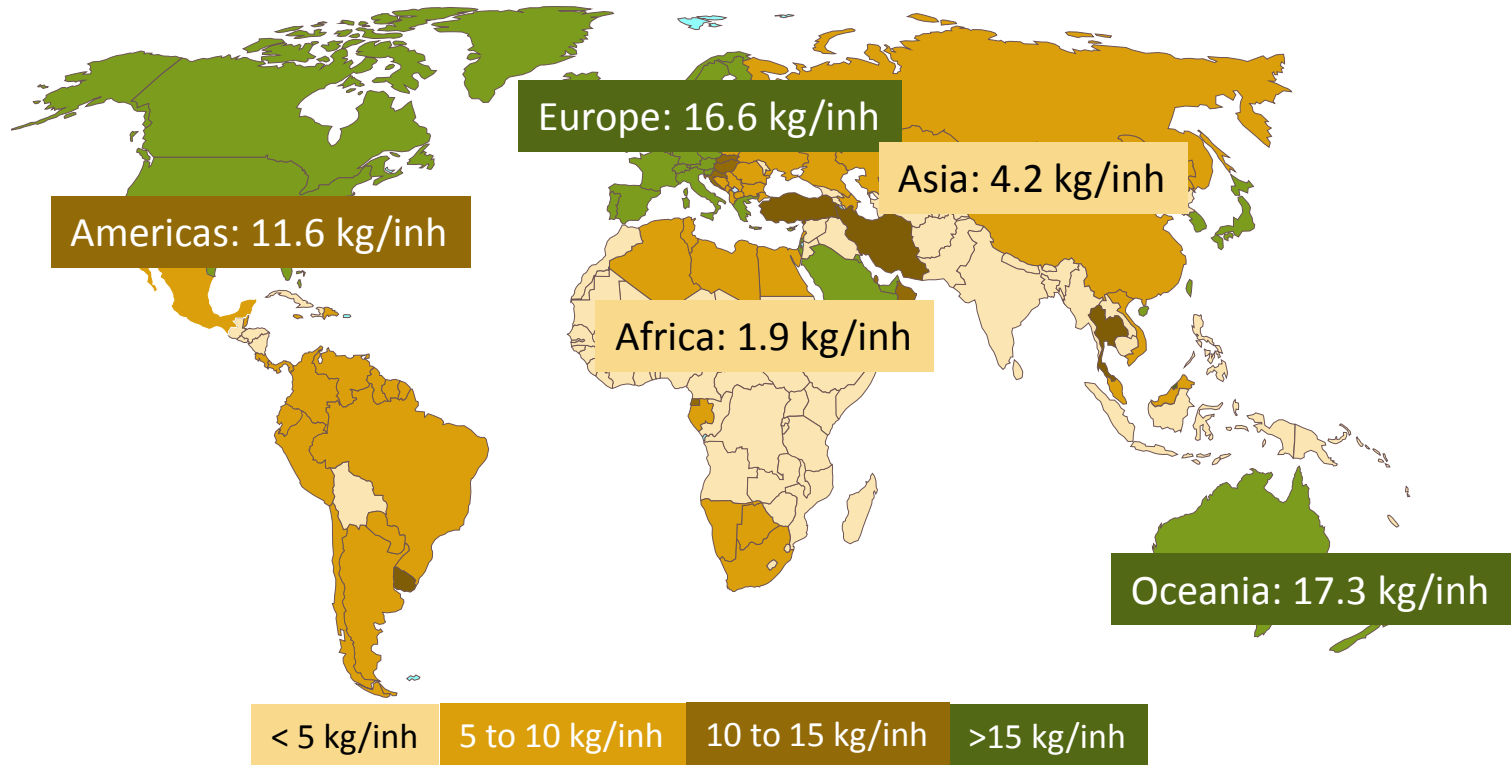


- Covered by legislation
- Not covered by legislation



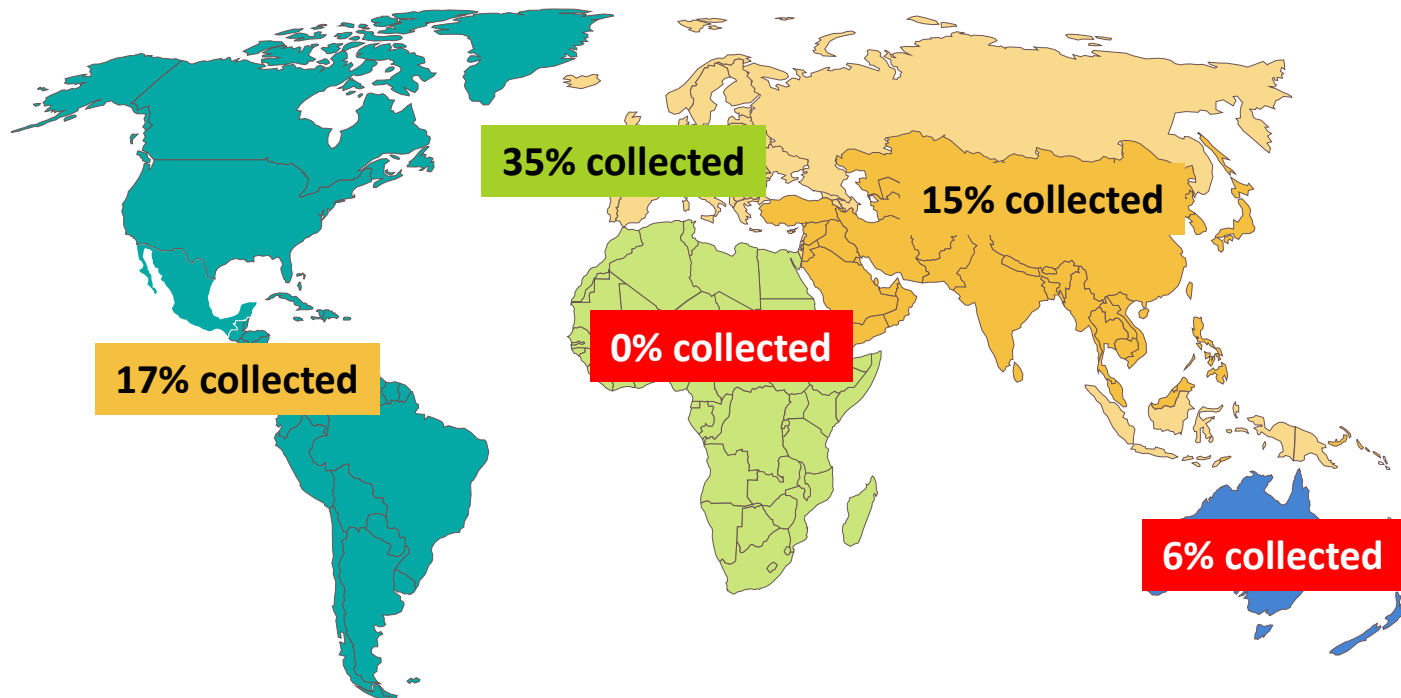
Global E-waste Quantities

Source: The Global E-waste Monitor-2017 (UNU, ITU, ISWA)



Global E-waste Quantities

Source: The Global E-waste Monitor-2017 (UNU, ITU, ISWA)



Statistics are not harmonized throughout the countries

Only **41** countries in the world collect international statistics on e-waste

Global Work- Workshops

- Statistics
 - November 2017 – Arusha with UNSD
 - April 2018 – Zanzibar with ITU

- Policy Makers / e-waste management
 - Several in EU pre 2017 (WEEE Directive)
 - May 2018 in Bangkok
 - Several in Fall 2018+2019 in Latin America

- E-waste is coming more on the global political agenda
- More countries are developing legislation
- Monitoring of e-waste increasingly important to measure progress
 - Results of the pilots of UNSD/UNECE/OECD have been used in Global E-waste Monitor 2017
 - Addition data was needed (literature research)
- 2018 Data of UNU/UNEP questionnaire used in the Global Monitoring of e-waste in 2019
- Your input is needed to improve data coverage