



ITU/UNU/ISWA Training Workshop on Electronic Waste Statistics
ITU Green Standards Week (GSW)
Zanzibar, Tanzania
12 April 2018

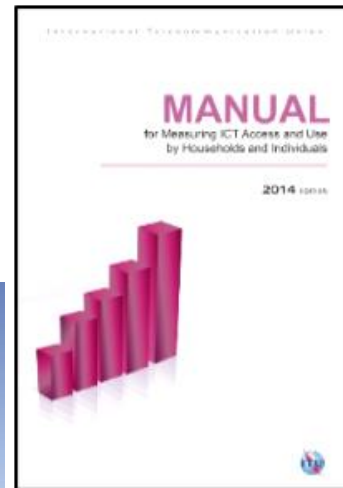
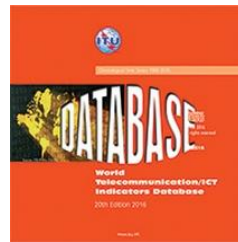
E-waste Statistics

ITU's role and responsibilities

Vanessa GRAY
Head of LDCs, SIDS &
Emergency Telecommunications Division
Telecommunication Development Bureau
International Telecommunication Union (ITU)

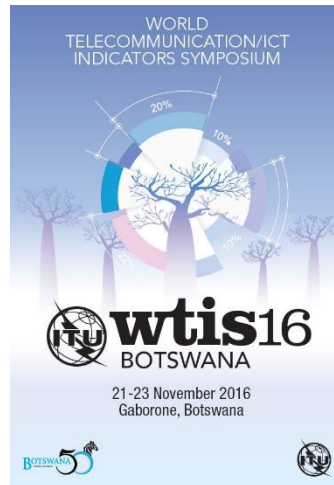


ITU's long history of ICT statistics



ICT FACTS AND FIGURES 2016

 **PARTNERSHIP ON
MEASURING ICT
FOR DEVELOPMENT**



**BIG data for measuring the
information society**

Expert Groups: EGH, EGTI

ITU has a role to play on e-waste

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 $x\%$

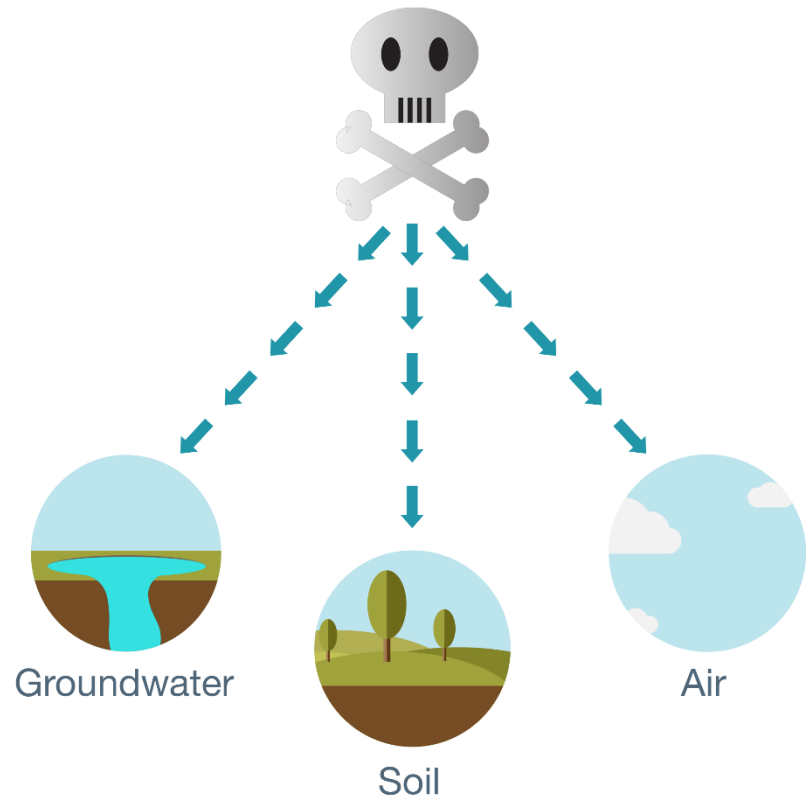
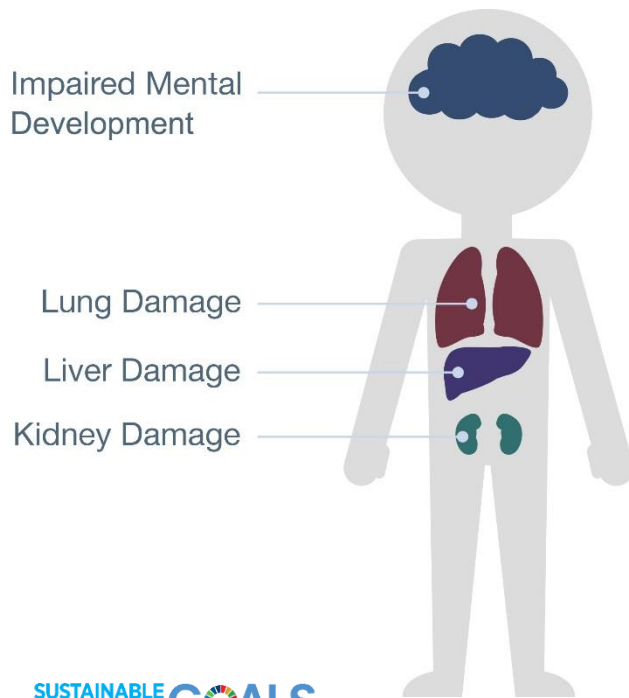


Key drivers of growing e-waste

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



E-waste poses health/environmental risks if treated inadequately



Challenges to the achievement of the SDGs

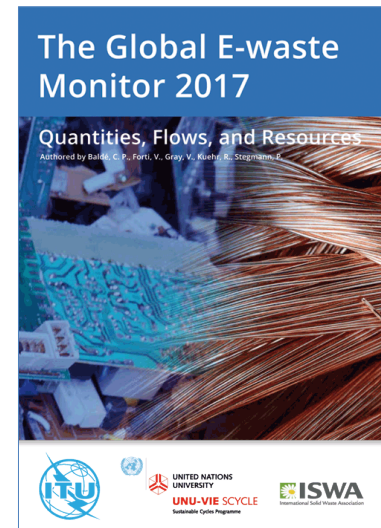
Better e-waste data will:

- Evaluate developments over time
- Set and assess targets
- Identify best practices of policies
- Minimize e-waste generation
- Prevent illegal dumping
- Promote recycling
- Create jobs in the reuse, refurbishment and recycling sectors
- Help achieve SDG 11 and 12



Global E-waste Statistics Partnership

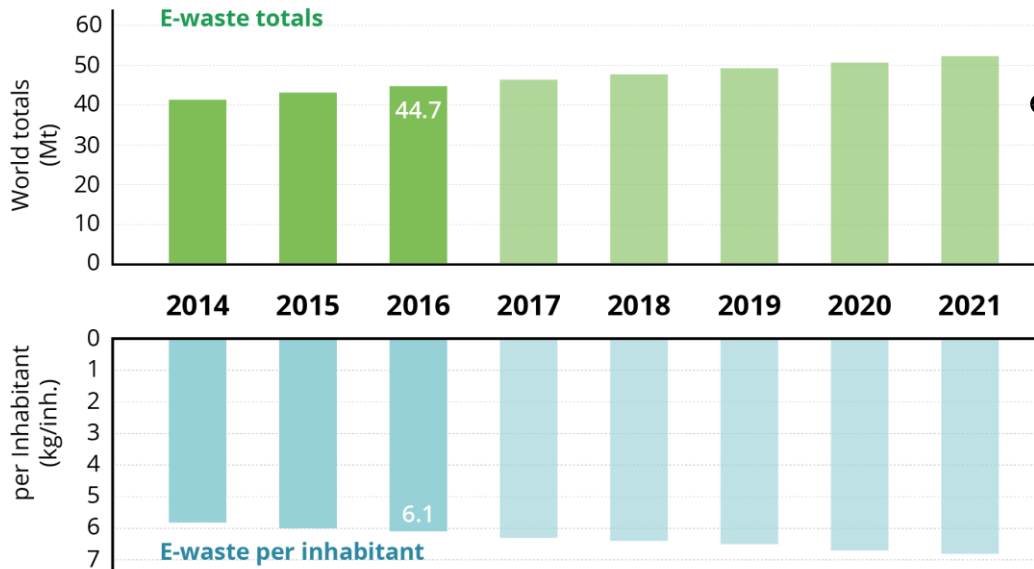
- Formed in January 2017 to address the e-waste challenge by improving e-waste data
- Collects and produces e-waste data (GEM)
- Provides methodological guidance and builds capacity to help countries produce e-waste data
- Increases awareness
- Tracks SDG 11.6, 12.5 + ITU Connect 2020 target 3.2.



How much e-waste is generated?



- Amount of e-waste grew 8% between 2014 and 2016
- 44.7 million metric tonnes of e-waste generated (2016)



Note: 2017-2021 are estimates

The Global E-waste Monitor 2017

Quantities, Flows, and Resources

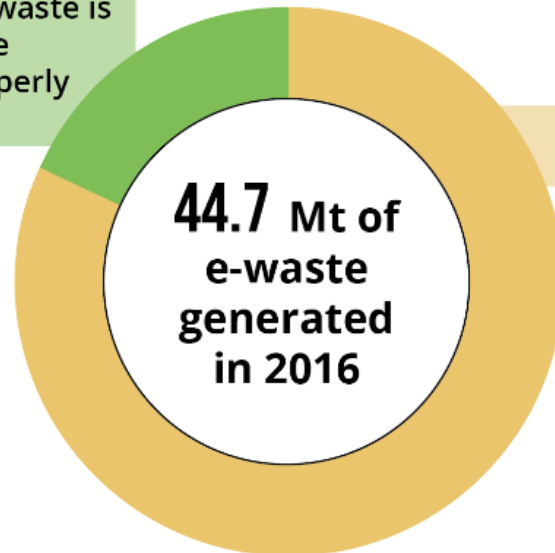
Authored by Balakrishna C. P., Forti, V., Gray, V., Kuehr, R., Stegmann, P.



How much e-waste is recycled?

Globally, only 20% of e-waste is properly documented and recycled

20% (8.9 Mt) of e-waste is documented to be collected and properly recycled



80% (35.8 Mt) of e-waste is not documented

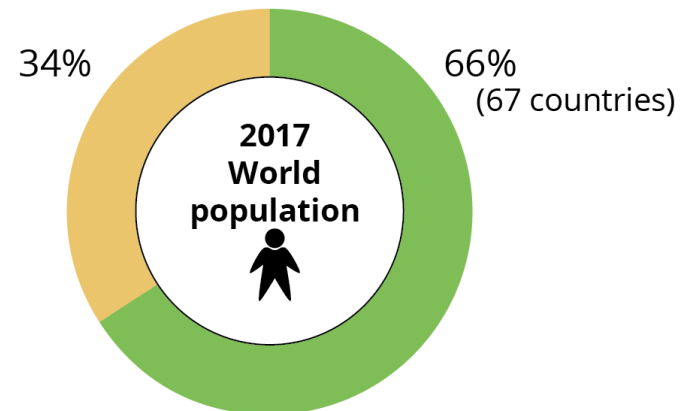
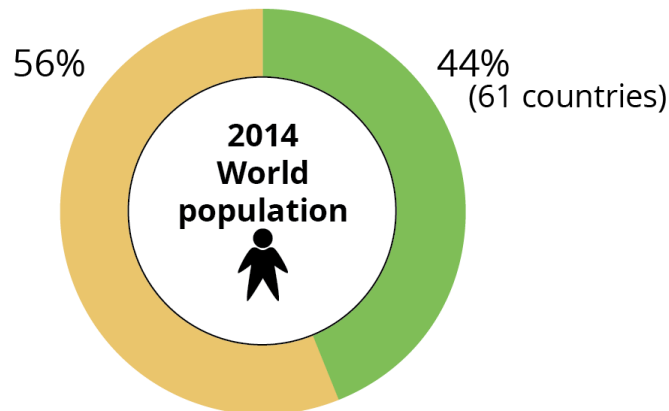
- 4% (1.7 Mt) of e-waste in the higher income countries is thrown into the residual waste
- The fate of 76% (34.1 Mt) of e-waste is unknown; this is likely dumped, traded, or recycled under inferior conditions



How many people & countries are covered by e-waste legislation?

67 countries have e-waste legislation

- Covered by legislation
- Not covered by legislation





e-waste@itu.int



UNITED NATIONS
UNIVERSITY

UNU-VIE SCYCLE

Sustainable Cycles Programme



ISWA

International Solid Waste Association

