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Programme

Regional E-waste Monitor for the CIS+

Kees Baldé

1 Oct, 2019 – Regional ITU Meeting





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1. Policy advice

- European Commission (2007, 2014 & 2015)

2. SDG & E-waste Statistics

- Global E-waste Statistics Partnership
- Global E-waste Monitor (2017, 2014)
- Regional E-waste Studies: East and Southeast Asia (2017), Latin America (2018, 2015)

3. Capacity building and training

- E-waste Academies for Managers (EWAM) & Scientists (EWAS) (Global, since 2009)

4. Facilitating International Dialogue

- Hosting StEP Secretariat: Solving the e-waste problem (Global, since 2004)
- UN E-waste: towards a joint e-waste effort of UN organizations (Global, since 2016)



Products contain valuable materials



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Importance of materials to economy



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Statistics on E-waste for the Circular Economy

Need for the materials !



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Where are those materials in our economy? Urban Mine !



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E-waste generated: in the World

Source: United Nations University - global e-waste monitor

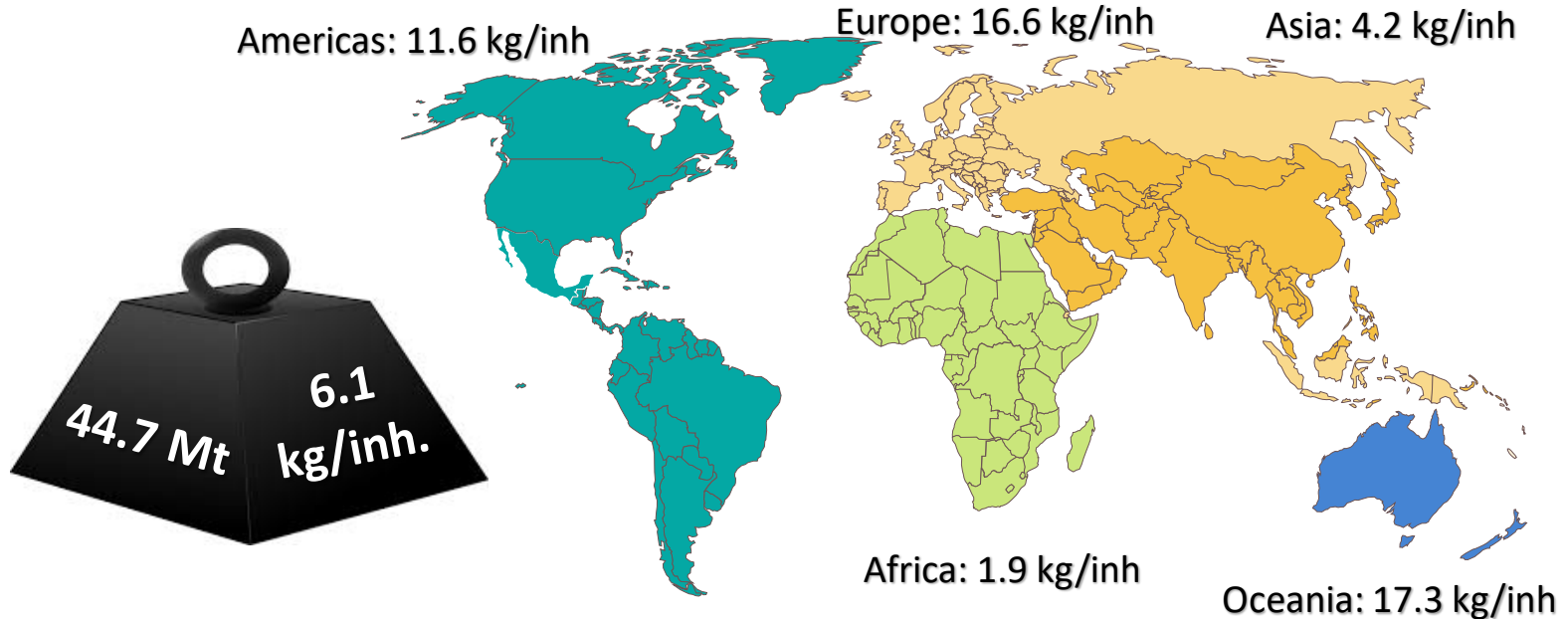


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* Data refers to 2016

E-waste generated in Eurasia

Source: global e-waste monitor



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** Data refers to 2016*

Estimation of electronics in Eurasia

Selected elements in Put on Market, Stock and Waste



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Product (CIS)		POM (tonnes)	Stock (tonnes)	Waste generate d (tonnes)
Electronics (Mt)		2,6	29	2.3
Selected elements (t):	Plastics:	660'000	6'000'000	550'000
	Copper:	60'000	900'000	75'000
	Gold:	6	50	7
	Neodymium	300	3'000	200
	Indium:	7	70	7
	Silver:	30	300	40



Objectives of project



- Improve Statistics
- Analyse Policies and national stakeholders
- Countries: Armenia, Azerbaijan, Belarus, Georgia, Kazakhstan, Kyrgyzstan, Moldova, Russia, Ukraine, Uzbekistan, Tajikistan, Turkmenistan
- Publication of Regional E-waste Monitor
- Implementation by UNU, ISWA, UNEP and ITU
 - www.globalewaste.org

WP	Activity	2019				2020				2021	
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
1	• First Data collection and analysis										
	• Mapping of focal points										
	• Data collection by national experts in 12 countries (not financed by project).										
2	• Preparation training material										
3	• E-waste Statistics Support Hotline										
	• Validation of statistical data										
4	• Workshop 1 – Moscow – UNEP – 20-24 Jan										
	• Workshop 2 – t.b.d. - ± Sept 2020										
5	• Production Regional E-waste Monitor										
	• Media campaign										
	• Evaluation and closure										

Focal Points

- Ministries of Environment
- National Statistical Offices – environment Statistics
- ITU Members

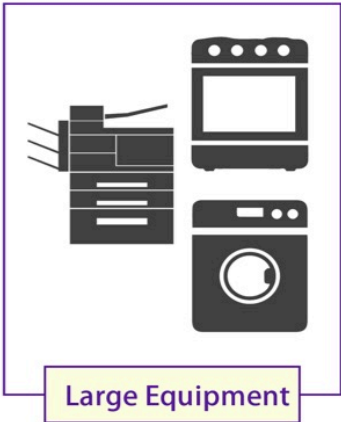
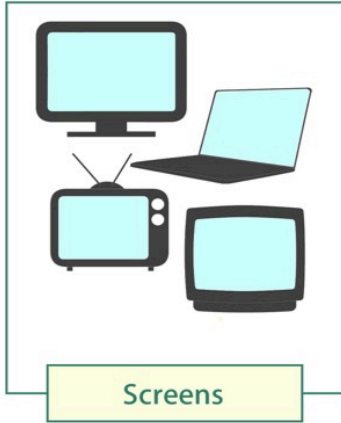
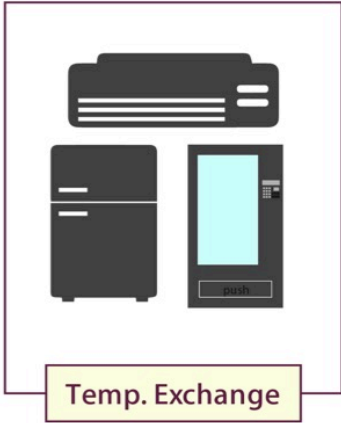


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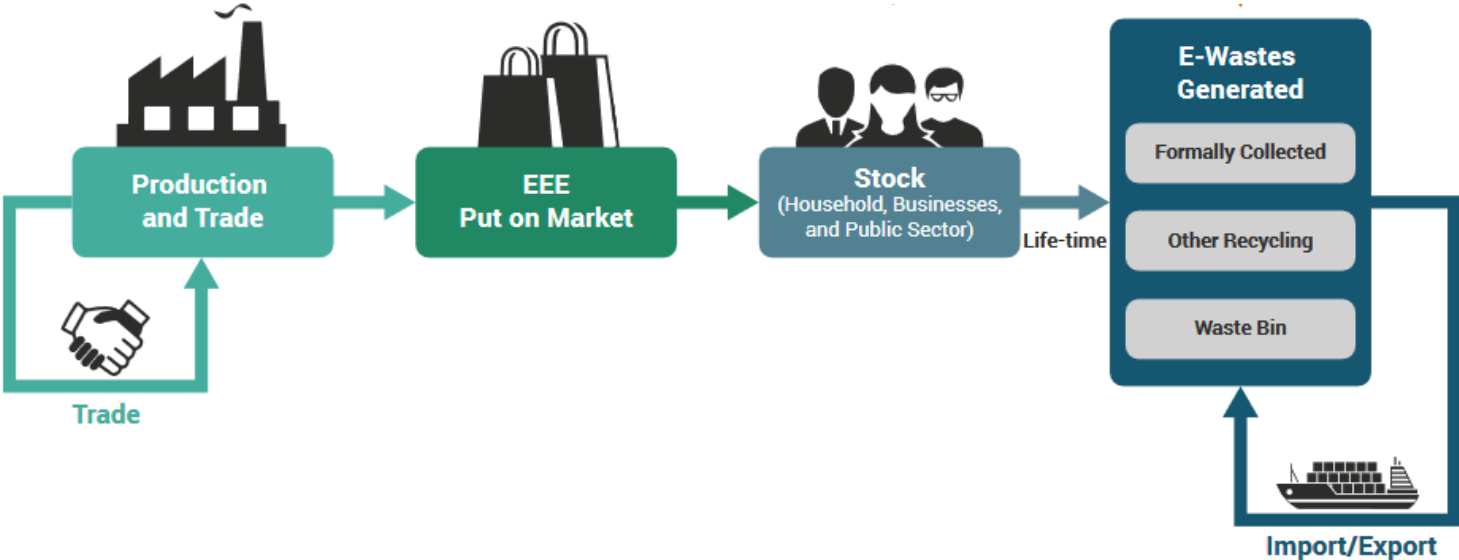


What is e-waste



“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”

Framework on e-waste statistics:



Harmonized framework to measure e-waste: The Partnership Measuring ICT for Development



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■ Objectives:

■ Framework based on internationally defined indicators:

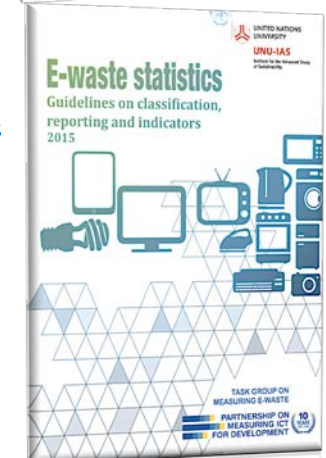
1. Total EEE Put on the Market (unit kg/inh)
2. E-waste generated (unit kg/inh)
3. E-waste formally collected (unit kg/inh)
4. E-waste collection rate (%)

■ Statistical guidelines (in 2015 and 2018)

http://collections.unu.edu/eserv/UNU:6477/RZ_EWaste_Guidelines_LoRes.pdf

■ Translated into Russian:

■ <https://globalewaste.org/publications/?tags%5B0%5D=445&tags%5B1%5D=468>



Methodology for policy assessment



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- Waste management characteristics in country
- Key statistics (if any)
- Legal Framework
- During project → group during project in three countries
 - Starting countries
 - Emerging countries
 - Established countries
- **If you don't mind, you will receive questionnaire**

Scope of workshop

- Build capacity in e-waste statistics
- Invite: NSO, Min Env, (and ITU Members)
- Train countries in e-waste statistics with the UNU Tools
 - Before workshop: they should already collect some basic data
 - During workshop: They integrate that in our tools before + also after the workshop
 - After workshop: consolidate data in the UNU Tools
- Core statistics are needed for the REM
- UNU have models to transfer core statistics into environmental impact
- Have group sessions that they need to gather info + write down the other needed information too during the workshop.
- After workshop → follow-up with countries

Tentative dates

- First workshop: 20-23 January 2020
- Second Workshop: September 2020



Questions?

- Contact: Kees Baldé – balde@vie.unu.edu