



Objectives



- Map the current status regarding E-Waste management, statistics, policy and regulations per country and in the CIS region.
- Increase the national capacity in gathering data and producing E-Waste statistics.
- Create the starting point for the Regional E-Waste Monitor for CIS.
- Help the SDG implementation process (SDG 12.5.1 on national waste recycling rate).

W Sunitar CIS Regional Monitor - Presentation – Dr. Kees Baldé (UNU-VIE-SCYCLE)

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

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Scope of first 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
- Moscow 20-23 January

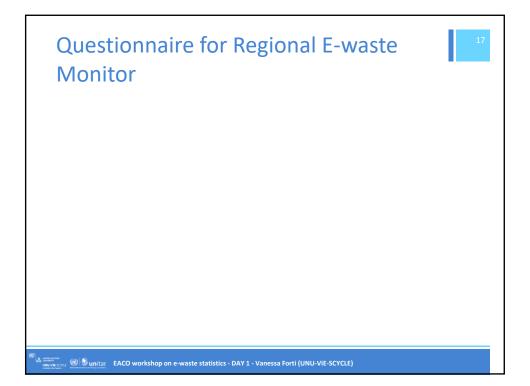
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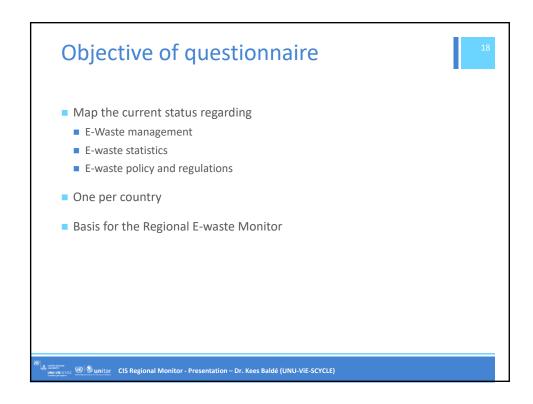
Focal Points

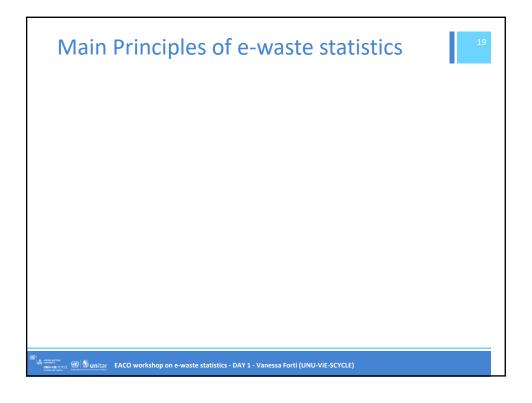


- Ministries of Environment
- National Statistical Offices environment Statistics
- ITU Members
- Questionnaires will be distributed

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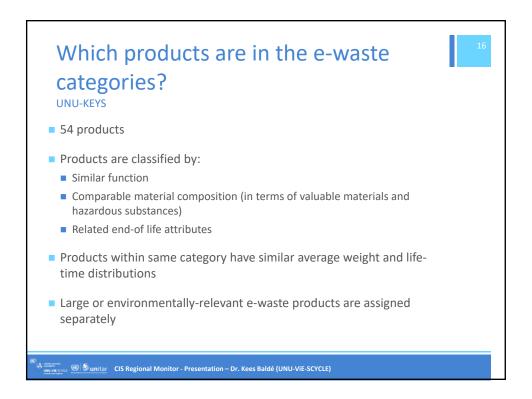




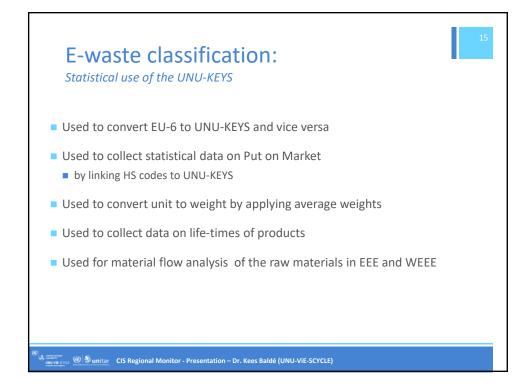


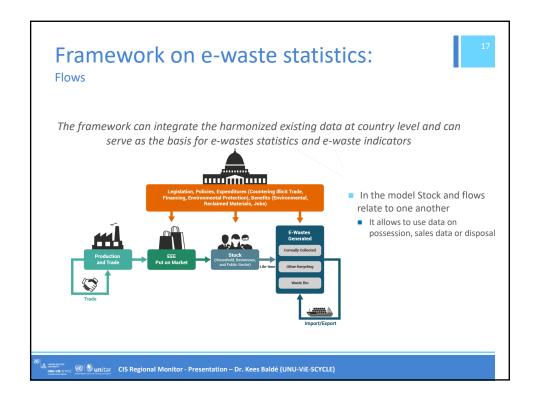
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K UIV	U-KEYS to the EU-6 Collect	tion categories	
UNU KEY	DESCRIPTION	EEE CATEGORY UNDER EU-6	EEE CATEGORY UNDER EU-10
0001	Central Heating (household installed)	Large equipment	Large household appliances
0002	Photovoltaic Panels (incl. inverters)	Large equipment	Consumer equipment
0101	Professional Heating & Ventilation (excl. cooling equipment)	Large equipment	Large household appliances
0102	Dishwashers	Large equipment	Large household appliances
0103	Kitchen equipment (e.g. large furnaces, ovens, cooking equipment)	Large equipment	Large household appliances
0104	Washing Machines (incl. combined dryers)	Large equipment	Large household appliances
0105	Dryers (wash dryers, centrifuges)	Large equipment	Large household appliances
0106	Household Heating & Ventilation (e.g. hoods, ventilators, space heaters)	Large equipment	Large household appliances
0108	Fridges (incl. combi-fridges)	Temperature exchange equipment	Large household appliances
0109	Freezers	Temperature exchange equipment	Large household appliances
0111	Air Conditioners (household installed and portable)	Temperature exchange equipment	Large household appliances
0112	Other cooling equipment (e.g. dehumidifiers, heat pump dryers)	Temperature exchange equipment	Large household appliances
0113	Professional cooling equipment (e.g. large air conditioners, cooling displays)	Temperature exchange equipment	Large household appliances
0114	Microwaves (incl. combined, excl. grills)	Small equipment	Large household appliances
0201	Other small household equipment (e.g. small ventilators, irons, docks, adapters)	Small equipment	Small household appliances
0202	Equipment for food preparation (e.g. toaster, grills, food processing, frying pans)	Small equipment	Small household appliances
0203	Small household equipment for hot water preparation (e.g. coffee, tea, water cookers)	Small equipment	Small household appliances
0204	Vacuum Cleaners (excl. professional)	Small equipment	Small household appliances
0205	Personal Care equipment (e.g. toothbrushes, hairdryers, razors)	Small equipment	Small household appliances
0301	Small IT equipment (e.g. routers, mice, keyboards, external drives & accessories)	Small IT	IT and telecommunications equipment
0302	Desktop PCs (excl. monitors, accessories)	Small IT	IT and telecommunications equipment
0303	Laptops (incl. tablets)	Screens and monitors	IT and telecommunications equipment
0304	Printers (e.g. scanners, multi-functionals, faxes)	Small IT	IT and telecommunications equipment
0305	Telecommunication equipment (e.g. cordless phones, answering machines)	Small IT	IT and telecommunications equipment
0306	Mobile Phones (incl. smartphones, pagers)	Small IT	IT and telecommunications equipment
0307	Professional IT equipment (e.g. servers, routers, data storage, copiers)	Large equipment	IT and telecommunications equipment
0308	Cathode Ray Tube Monitors	Screens and monitors	IT and telecommunications equipment
0309	Flat Display Panel Monitors (LCD, LED)	Screens and monitors	IT and telecommunications equipment
0401	Small Consumer Electronics (e.g. headphones, remote controls)	Small equipment	Consumer equipment

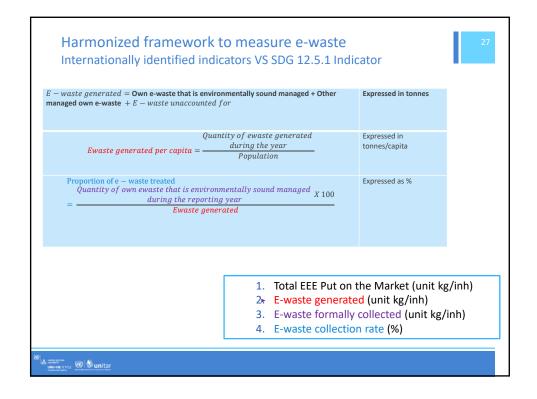


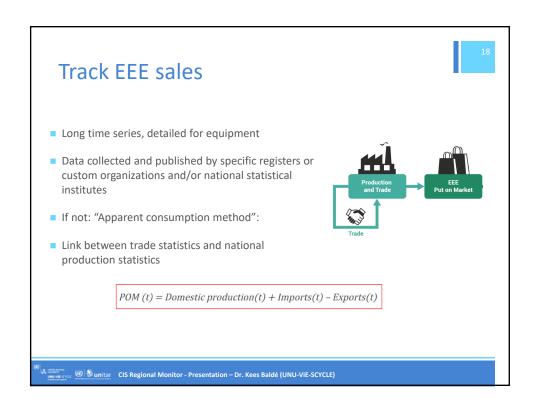
ink UNU-KEYS to the HS codes						
UNU-KEY	UNU KEY DESCRIPTION	HS	HS DESCRIPTION			
0001	Central Heating (household installed)	840310	Boilers; central heating boilers (excluding those of heading no. 8402)			
0001	Central Heating (household installed)	854140	Electrical apparatus; photosensitive, including photovoltaic cells, whether or not assembled in modules or made up into panels, light emitting diodes			
0101	Professional Heating & Ventilation (excl. cooling equipment)	845110	Dry-cleaning machines			
0101	Professional Heating & Ventilation (excl. cooling equipment)	845130	Ironing machines and presses (including fusing presses)			
0102	Dish washers	842211	Dish washing machines; of the household type			
0102	Dish washers	842219	Dish washing machines; of other than household type			
0103	Kitchen equipment (e.g. large furnaces, ovens, cooking equipment)	851660	Ovens, cookers, cooking plates, boiling rings, grillers and roasters; of a kind used for domestic purposes (excluding microwaves)			
0104	Washing Machines (incl. combined dryers)	845011	Washing machines; household or laundry-type, fully-automatic, (of a dry linen capacity not exceeding 10kg)			
0104	Washing Machines (incl. combined dryers)	845012	Washing machines; household or laundry-type, with built-in centrifugal drier, (not fully-automatic), of a dry linen capacity not exceeding 10kg			
0104	Washing Machines (incl. combined dryers)	845019	Washing machines; household or laundry-type, not fully-automatic, without built-in centrifugal drier; of a dry linen capacity not exceeding 10kg			
0104	Washing Machines (incl. combined dryers)	845020	Washing machines; household or laundry-type, of a dry linen capacity exceeding 10kg			
0105	Dryers (wash dryers, centrifuges)	842112	Centrifuges; clothes-dryers			
0105	Dryers (wash dryers, centrifuges)	845121	Drying machines; of a dry linen capacity not exceeding 10kg			
0105	Dryers (wash dryers, centrifuges)	845129	Drying machines; of a dry linen capacity exceeding 10kg			
0106	Household Heating & Ventilation (e.g. hoods, ventilators, space heaters)	841460	Hoods; ventilating or recycling hoods incorporating a fan, whether or not fitted with filters, having a maximum horizontal side not exceeding 120cm			
0106	Household Heating & Ventilation (e.g. hoods, ventilators, space heaters)	851621	Heating apparatus; electric storage heating radiators			
0106	Household Heating & Ventilation (e.g. hoods, ventilators, space heaters)	851629	Heating apparatus; electric soil heating apparatus and space heating apparatus (excluding storage heating radiators)			
0108	Fridges (incl. combi-fridges)	841810	Refrigerators and freezers; combined refrigerator-freezers, fitted with separate external doors, electric or other			
0108	Fridges (incl. combi-fridges)	841821	Refrigerators; for household use, compression-type, electric or other			

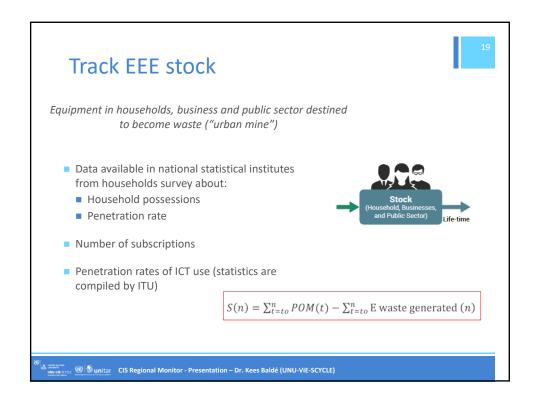


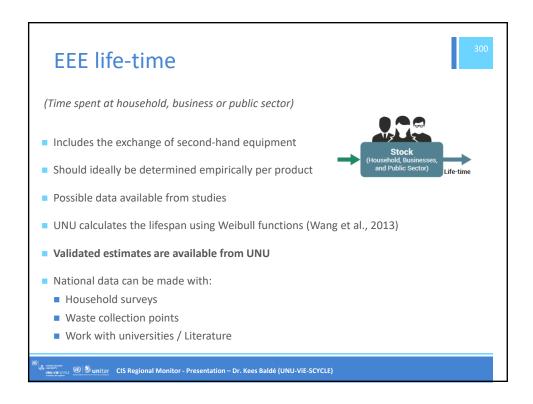


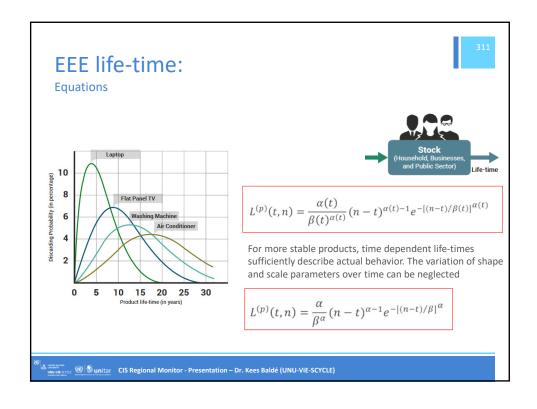


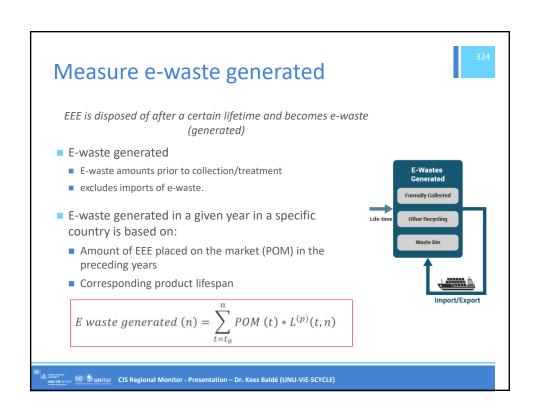




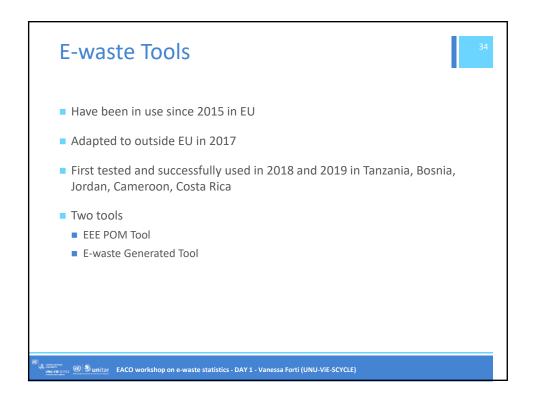








Measure e-waste generated • Then if there is an indication of the stock amounts, one can do a comparison to check is the Stock data (estimated or empirical) are comparable: • If not: are the stock data off? Or the POM? $S(n) = \sum_{t=to}^{n} POM(t) - \sum_{t=to}^{n} E \text{ waste generated } (n)$



EEE Put on Market Tool



- Insert HS and Domestic Production data
- Standard conversion factors to convert units into weight
- After validation
 - Output is compatible with international standards + E-waste Generation Tool

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E-Waste Tools



The "WEEE calculation tool" is an integral part of the methodologies for the calculation of the weight of electrical and electronic equipment (EEE) placed on the market, imported, exported, collected and recycled

- Supported by European Commission and US EPA
- Tools for 177 countries
- Customized and pre-populated with the necessary data to allow for direct application

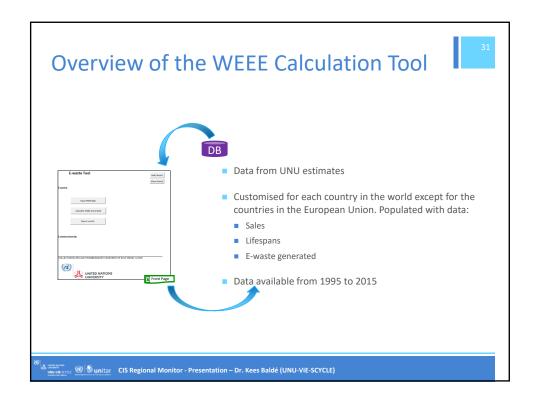


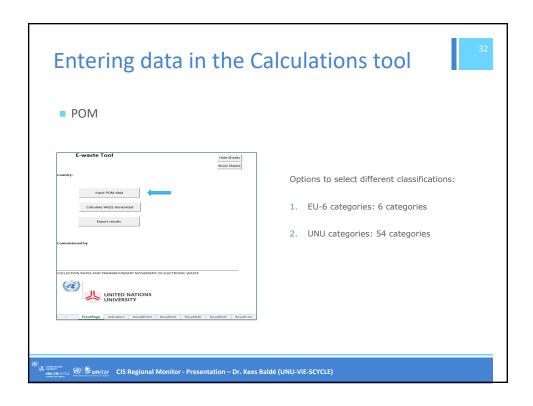
- The prepopulated data have been estimated by UNU
- Countries can update Put on Market data or life-time data, if available



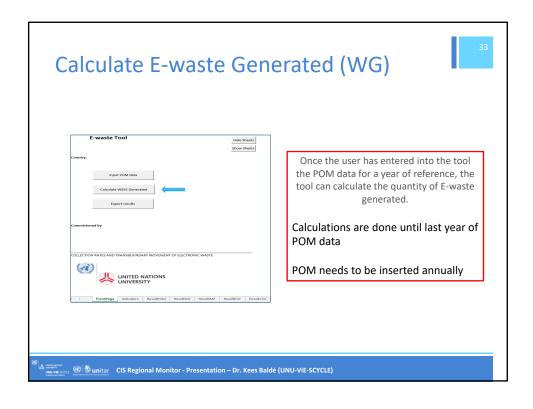
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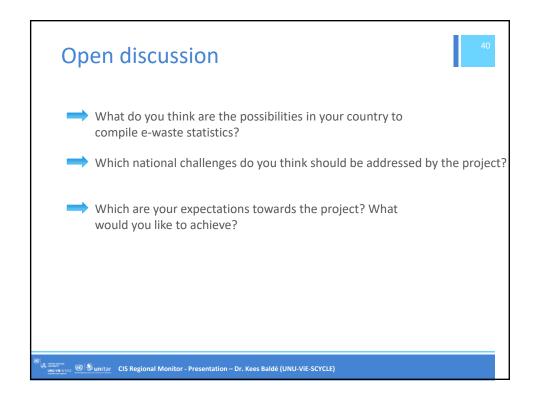
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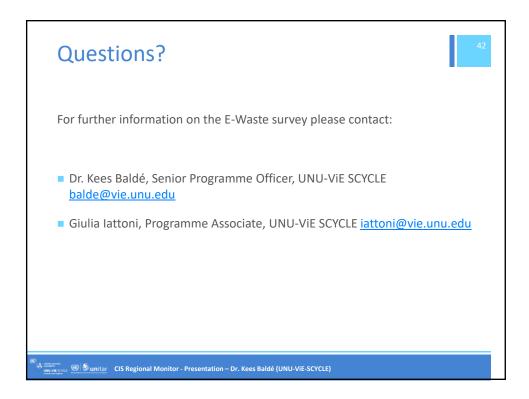


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