



# 17th World Telecommunication/ICT Indicators Symposium (WTIS 2020)



Measuring electronic waste – Green ICT

EU survey on the use of ICT in households and by individuals

*3<sup>rd</sup> December 2020*



## 6 Commission priorities for 2019-24

- **A European Green Deal**

*Europe aims to be the first climate-neutral continent by becoming a modern, resource-efficient economy*

- A Europe fit for the digital age
- An economy that works for people
- A stronger Europe in the world
- Promoting our European way of life
- A new push for European democracy

# Rationale for developing datasets on e-sustainability in the EU ICT household survey

- E-Sustainability is reinforced by the **European Green Deal** and the new **Circular Economy Action Plan**. The European Green Deal places particular attention on resource-intensive sectors such as the electronics sector and announced that the Commission would assess “the benefits of supporting ‘take-back’ schemes to incentivise people to return their unwanted devices such as mobile phones, tablets and chargers.” Similarly, the new Circular Economy Action Plan lays out targeted efforts and initiatives in this sector under the Circular Electronics Initiative.

# Rationale for developing datasets on e-sustainability in the EU ICT household survey

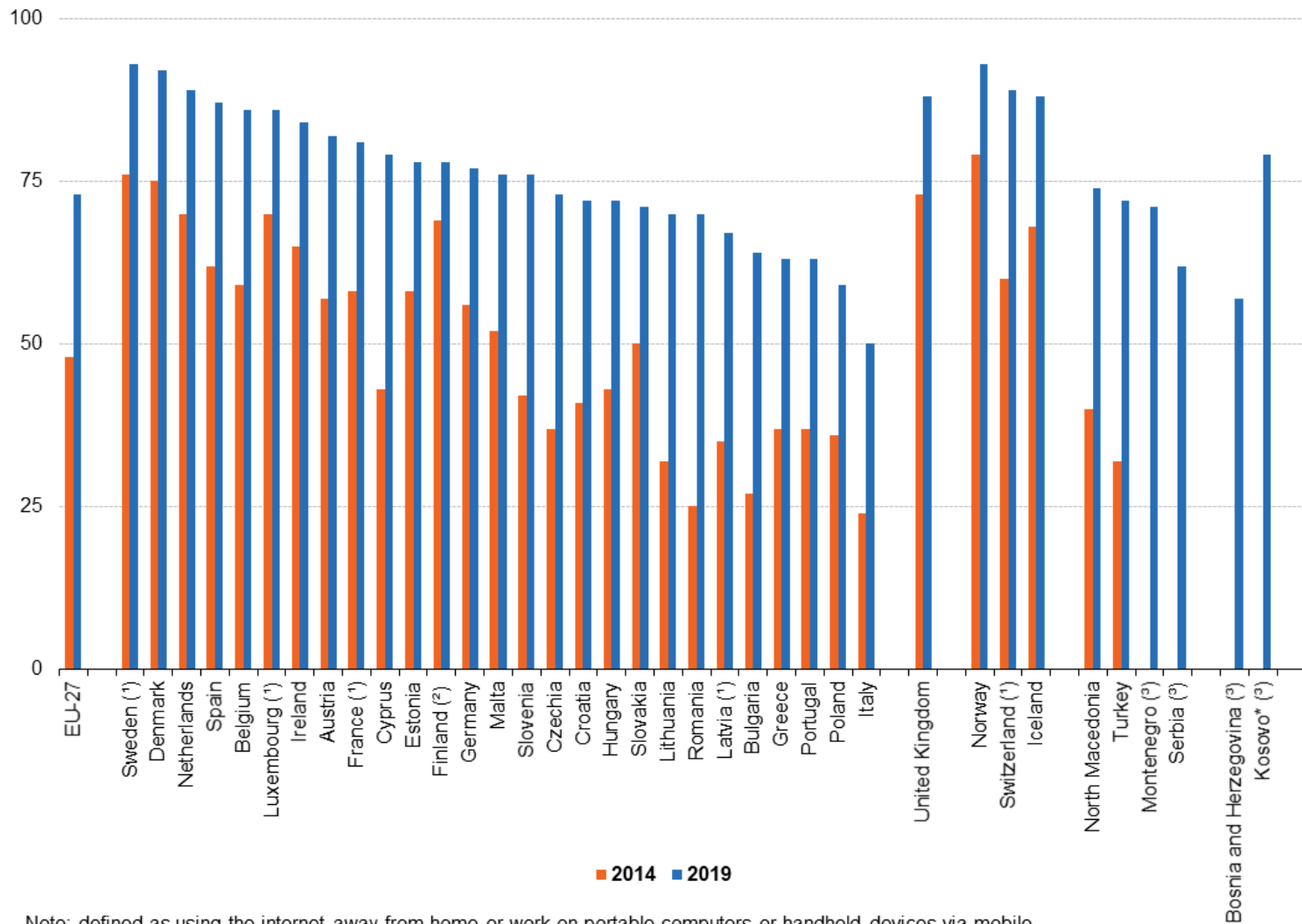
- The Commission is currently looking at its eco-design regulations from 2019 that lay down requirements on the availability of dismantling information and on the recyclability, reparability and end-of-life treatment of Waste of electrical and electronic equipment (WEEE) components for a series of product groups. With the idea of fostering and facilitating recycling, repair and reuse of the regulated electronic products and appliances.
- Data developed in the 2022 edition of the EU survey on the use of ICT in households and by individuals will cover aspects complementary to existing Waste statistics to ensure monitoring tools in this policy field: [https://ec.europa.eu/eurostat/documents/342366/351811/WEEE-Monit-Guidance-Eurostat\\_20180516.pdf](https://ec.europa.eu/eurostat/documents/342366/351811/WEEE-Monit-Guidance-Eurostat_20180516.pdf) , in particular as regards consumer behaviour

# Timeline

Task Force: CZ, DK, DE, IE, IT, LV, NL, AT, PL, SI, SK, FI  
Working Group: all 27 Member States



**Individuals who used a portable computer or a handheld device to access the internet away from home or work, 2014 and 2019**  
(% of individuals aged 16 to 74)



■ 2014 ■ 2019

Note: defined as using the internet away from home or work on portable computers or handheld devices via mobile phone networks or wireless connections.

(¹) Break in series.

(²) 2018 instead of 2019.

(³) 2014: not available.

\* This designation is without prejudice to positions on status, and is in line with UNSCR 1244/99 and the ICJ Opinion on the Kosovo declaration of independence.

Source: Eurostat (online data code: isoc\_ci\_im\_i)

# What focus for the Green ICT questions?

- Increase in use of handheld devices and portable computers over the last years.
- Those devices have often a short lifespan
- What happens with the devices which are not used any more?

# What focus for the Green ICT questions?

- 2 questions proposed for the 2022 EU Model Questionnaire in a small module on Green ICT
- Questions proposed at individual level
- Inspired by work of a pre-testing project conducted by a consortium of National Statistical Offices of the EU, but also national data collection experience of some Member States (e.g. 2011 module on Green ICT developed by Statistics Denmark)

# Green ICT questions - Q1.

**F1** What did you do with any of the following devices when you replaced or were no longer using them?

*(For each item, please refer to your personal, most recent device that you replaced/no longer used)*

*(for each item tick one)*

	a) The device is still kept in my household	b) It was sold or given away	c) It was disposed of in electronic waste collection/recycling (incl. leaving it to the retailer to dispose of)	d) It was disposed of in electronic waste collection/recycling but not in	e) The device was never bought or is still in use	f) Other
a) Mobile or smartphone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) Laptop or tablet	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) Desktop computer	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



# Green ICT questions – Q2. Option 1

**F2** When you most recently bought a mobile or smartphone, laptop, tablet or desktop computer, how important were the following characteristics to you? **(Optional)**

*(for each item tick one)*

	Very important	Somehow important	Not important at all	Never bought any of these devices
a) Price	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) Hard drive capacity and storage, processor speed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) Ecodesign of the device e.g. durable, upgradeable and repairable designs that require fewer materials; environmentally friendly materials used for packaging, etc.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d) Possibility to extend the life span of the device by buying extra guarantee	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e) Energy efficiency of the device	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f) A take-back scheme offered by manufacturer or seller (i.e. the manufacturer or seller takes the device which becomes obsolete at no cost or offers discounts to the client to purchase another device)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

# Green ICT questions – Q2. Option 2

F2	<b>When you most recently bought a mobile or smartphone, tablet, laptop or desktop computer, which of the following characteristics did you consider important? (Optional)</b>	
	<i>(tick all that apply or g) or h))</i>	
	a) Price	<input type="checkbox"/>
	b) Hard drive capacity and storage, processor speed	<input type="checkbox"/>
	c) Ecodesign of the device e.g. durable, upgradeable and repairable design that require fewer materials; environmentally friendly materials used for packaging, etc.	<input type="checkbox"/>
	d) Possibility to extend the life span of the device by buying extra guarantee	<input type="checkbox"/>
	e) Energy efficiency of the device	<input type="checkbox"/>
	f) A take-back scheme offered by manufacturer or seller (i.e. the manufacturer or seller takes the device which becomes obsolete at no cost or offers discounts to the client to purchase another device)	<input type="checkbox"/>
	g) Have not considered any of the mentioned characteristics	<input type="checkbox"/>
	h) Never bought any of these devices	<input type="checkbox"/>

# Next steps

- Questions are not final as the process of approval of the 2022 MQ still foresees several steps
- Final version of the 2022 EU Model Questionnaire should be available by end February 2021
- The legislative measures adopted by September 2021
- Fieldwork should be carried out in the majority of Member States in the second quarter of 2022
- Results to be published end 2022 or early 2023

# Thank you

© European Union 2020



Please note the reuse of this presentation is authorised under the [CC BY 4.0](https://creativecommons.org/licenses/by/4.0/) license. For any use or reproduction of elements that are not owned by the EU, permission may need to be sought directly from the respective right holders.

Slide xx: **element concerned**, source: **e.g. Fotolia.com**; Slide xx: **element concerned**, source: **e.g. iStock.com**