



COLLABORATING FOR E-CIRCULARITY

WEEE Ireland
14 October 2021



OUR WHY

53.6 Mt of e-waste arise every year. The growth rate is 3.3% – 1.8 Mt extra e-waste every single year... Sadly, no tipping point in sight.

Tackling the worldwide societal challenge of e-waste

Source: Global E-waste Monitor



MOUNT RECYCLEMORE

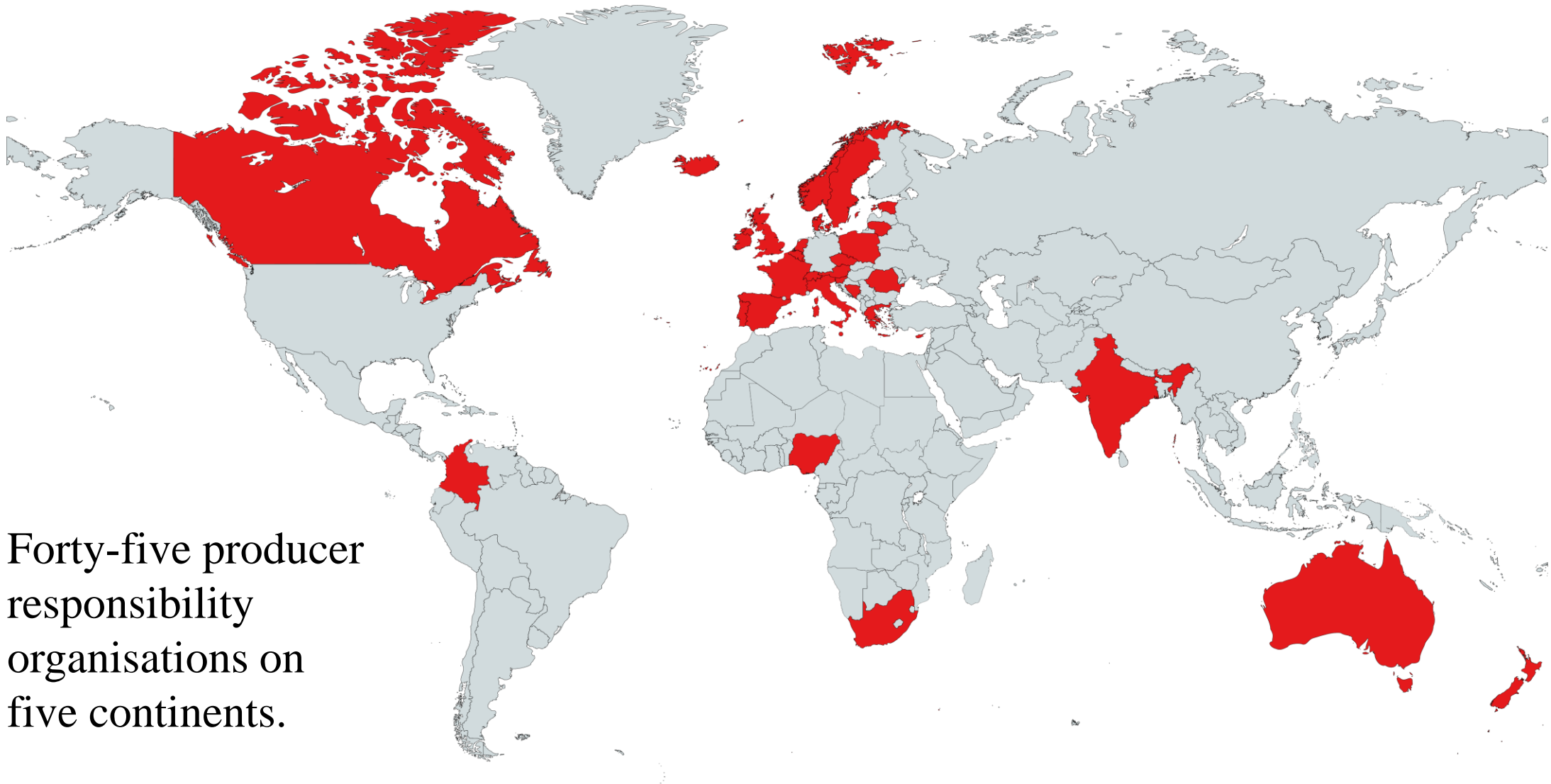


WHO ARE WEEE?

The WEEE Forum at a glance.



WORLDWIDE



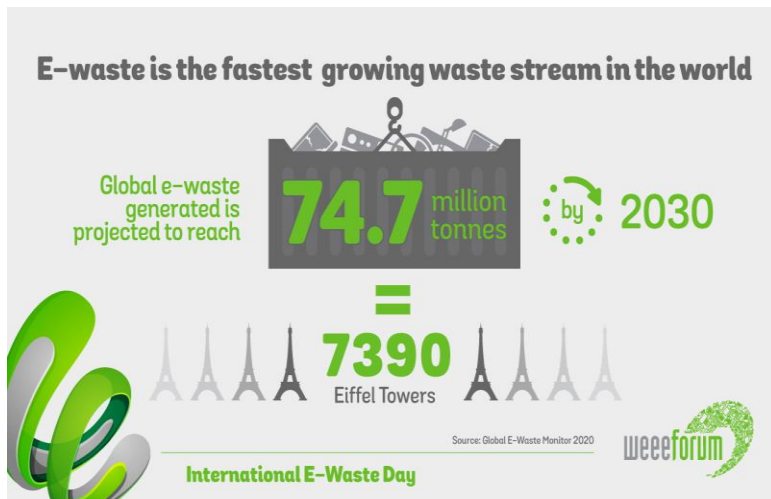
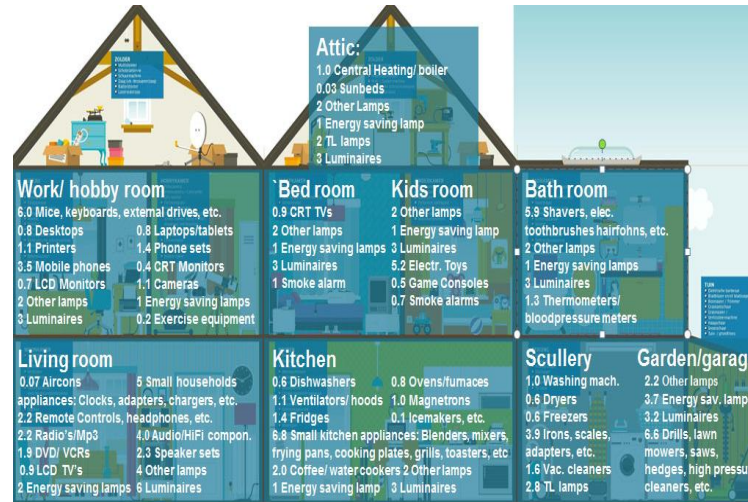
Forty-five producer responsibility organisations on five continents.

THE NATURE AND THE SCALE OF THE PROBLEM.

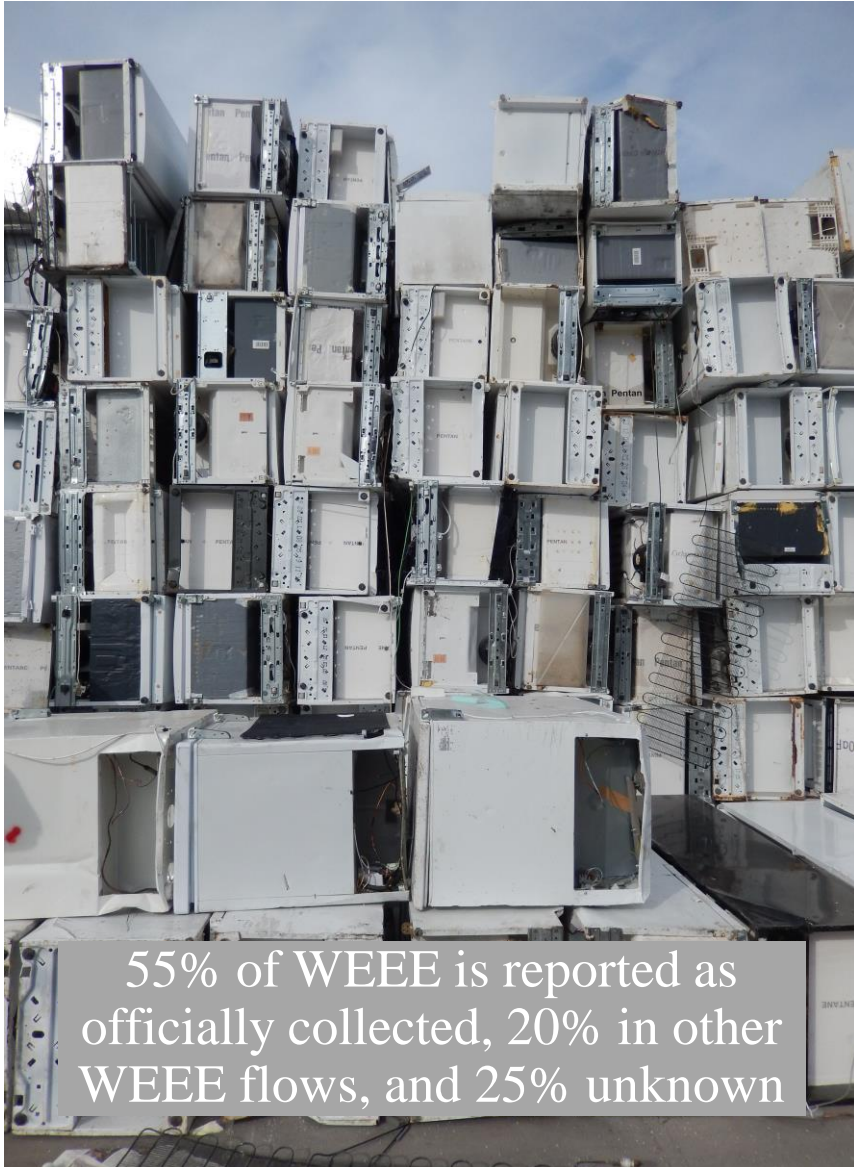
*A worldwide societal
challenge*



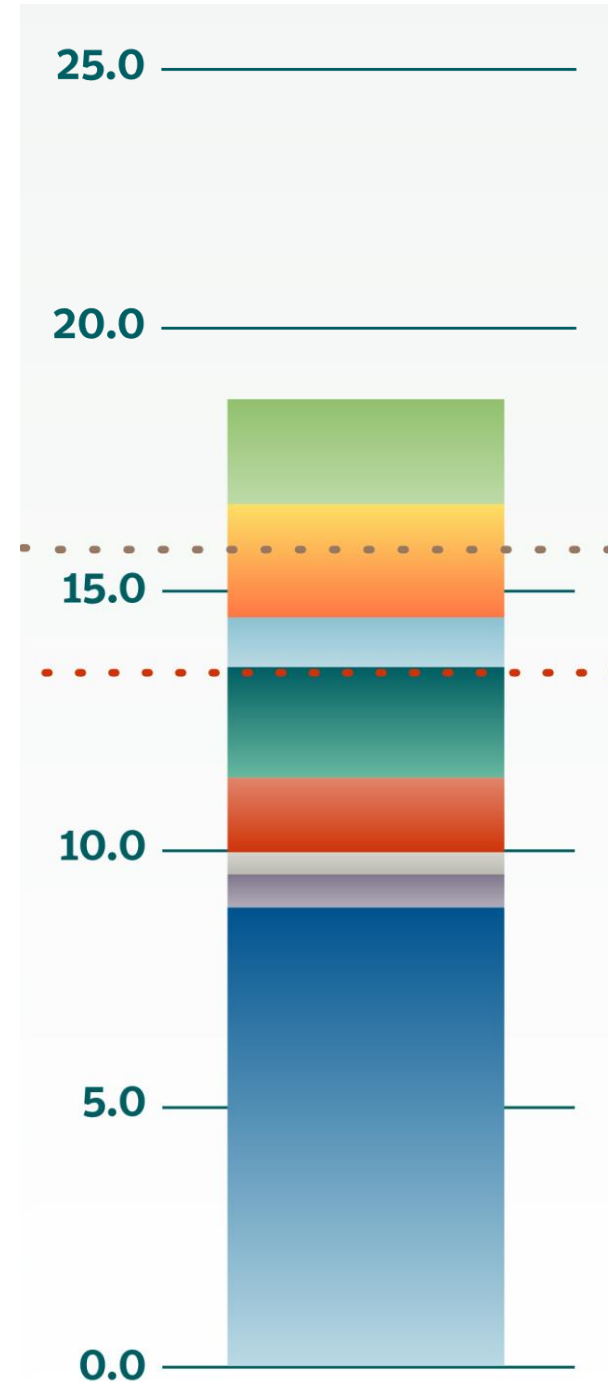
THE NATURE AND THE SCALE OF THE PROBLEM



WHERE THE WEEE GOES



WEEE Generated target
 'Placed on market' target



WHAT CAN PRODUCERS AND PROS DO?

*A worldwide societal
challenge*



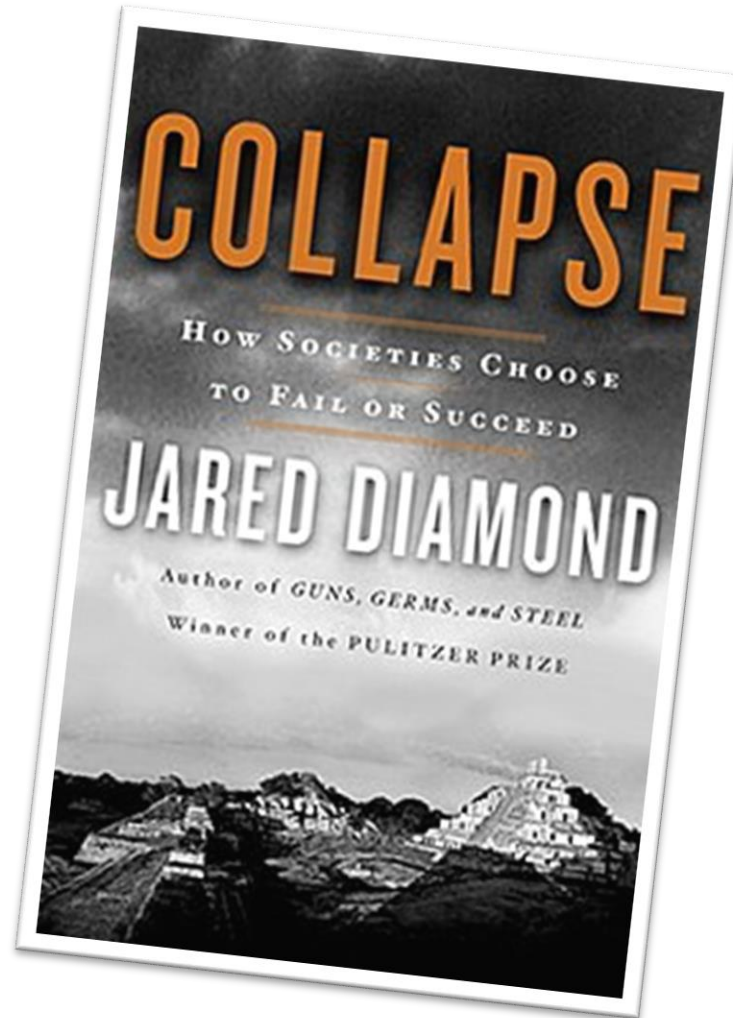
WORK TOGETHER

The environmental problems facing humankind today



“If we want our modern society to avoid collapse we will have to work together to find solutions to our problems”

– Jared Diamond, 2005

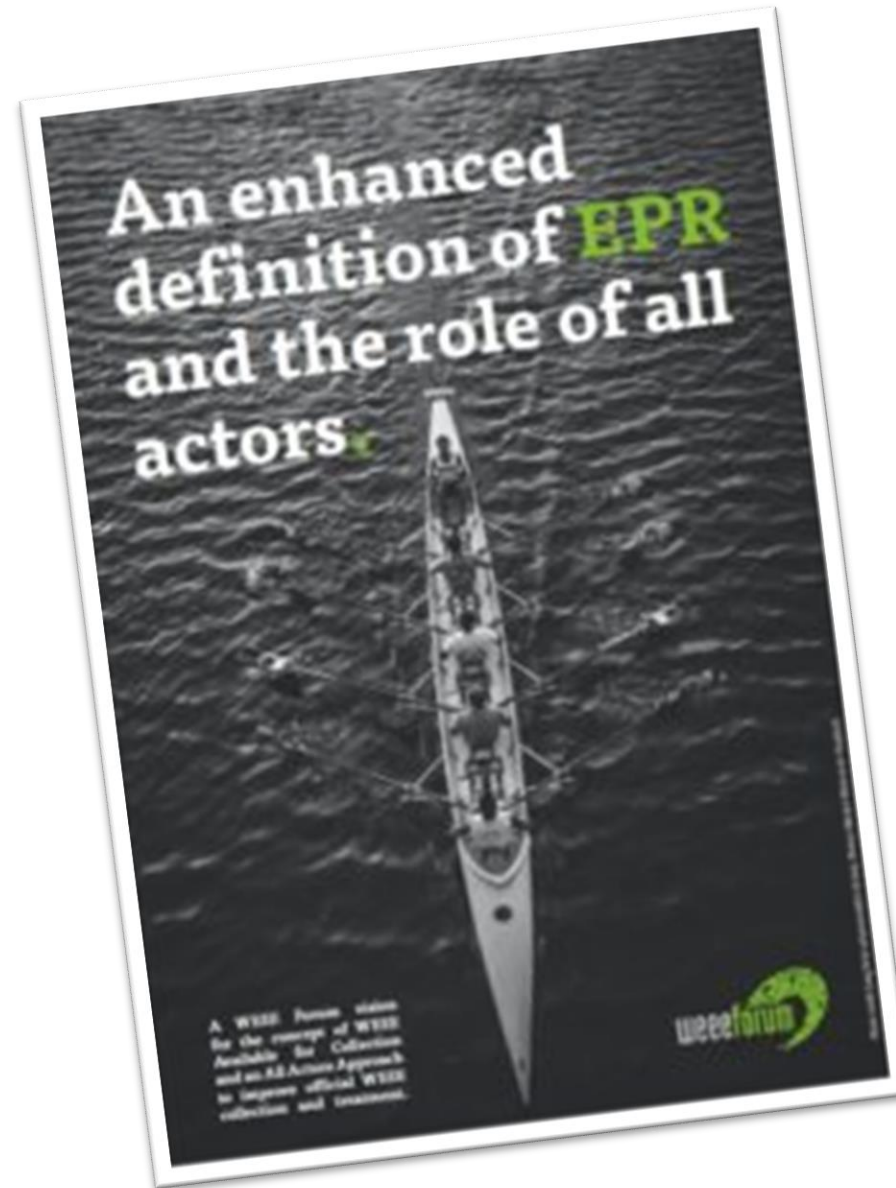


1. Deforestation and habitat destruction
2. Soil problems (erosion, salinization, and soil fertility losses)
3. Water management problems
4. Overhunting
5. Overfishing
6. Effects of introduced species on native species
7. Overpopulation
8. Increased per-capita impact of people

WEEE MUST DO THIS **TOGETHER**

An enhanced definition of EPR and the role of all actors (WEEE Flows)

www.weee-forum.org



EXHIBITS OF TACKLING THE CHALLENGE TOGETHER.

*A worldwide societal
challenge*



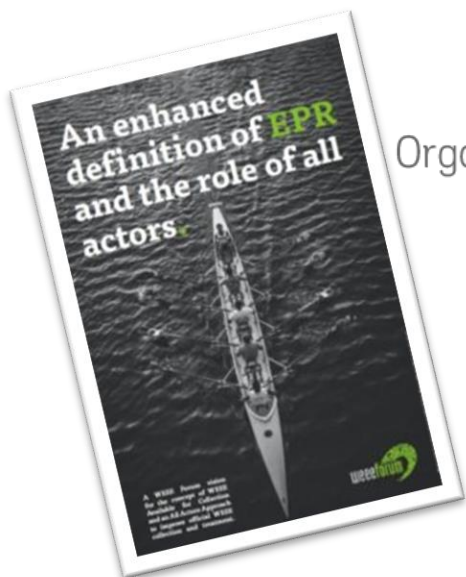
WEEE MUST DO THIS TOGETHER #1

Bring all actors around the table and let's tackle the e-waste challenge together (#allactors)



All actors that influence the WEEE collection rate should be represented in the Coordination Body.

The #allactors approach means that all entities that have access to e-waste are subject to minimum legal obligations and collaborate towards responsible WEEE operations.



WEEE MUST DO THIS TOGETHER #2

Raise awareness

What can we do to tackle the e-waste challenge?


Don't bin e-waste!



Up to **1.4kg** of e-waste per person ends up in the mixed waste bin in Europe. It will most likely be incinerated or sent to landfill.




 Solutions:

 Repair the device or, if not possible, take it to:


e-waste collection point


Municipal collection point


Home appliances shop


Dedicated container in a supermarket


Check online for the closest solution

Source: WEEE Flows report

 International E-Waste Day





Knowledge



Convenient collection points



Compensation



Social norms



Care for the environment



Benefit to charities




WEEE MUST DO THIS TOGETHER #3

Monitor the WEEE flows and identify the actors in the market

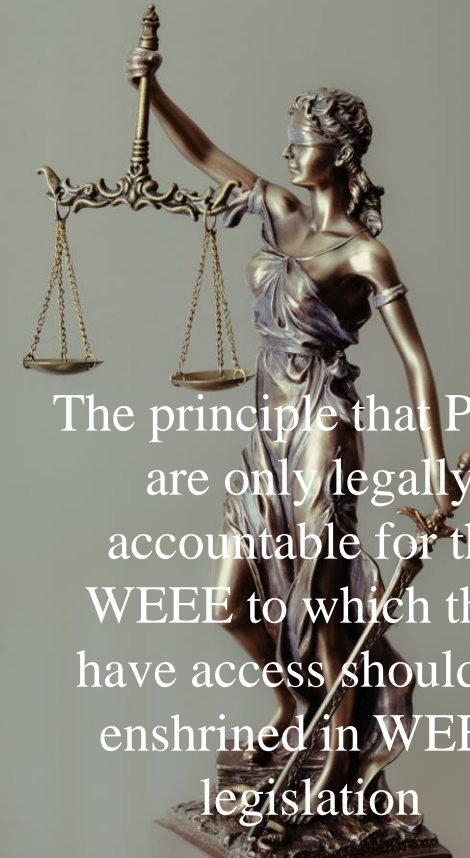


Where is the undocumented WEEE?

-  WEEE in mixed residual waste
-  WEEE/UEEE hoarded, passed on
-  WEEE collected with scrap and/or scavenged
-  Exports

Lord Kelvin: “If you can’t measure it, you can’t improve it”. All WEEE flows and all actors in all markets must be monitored.

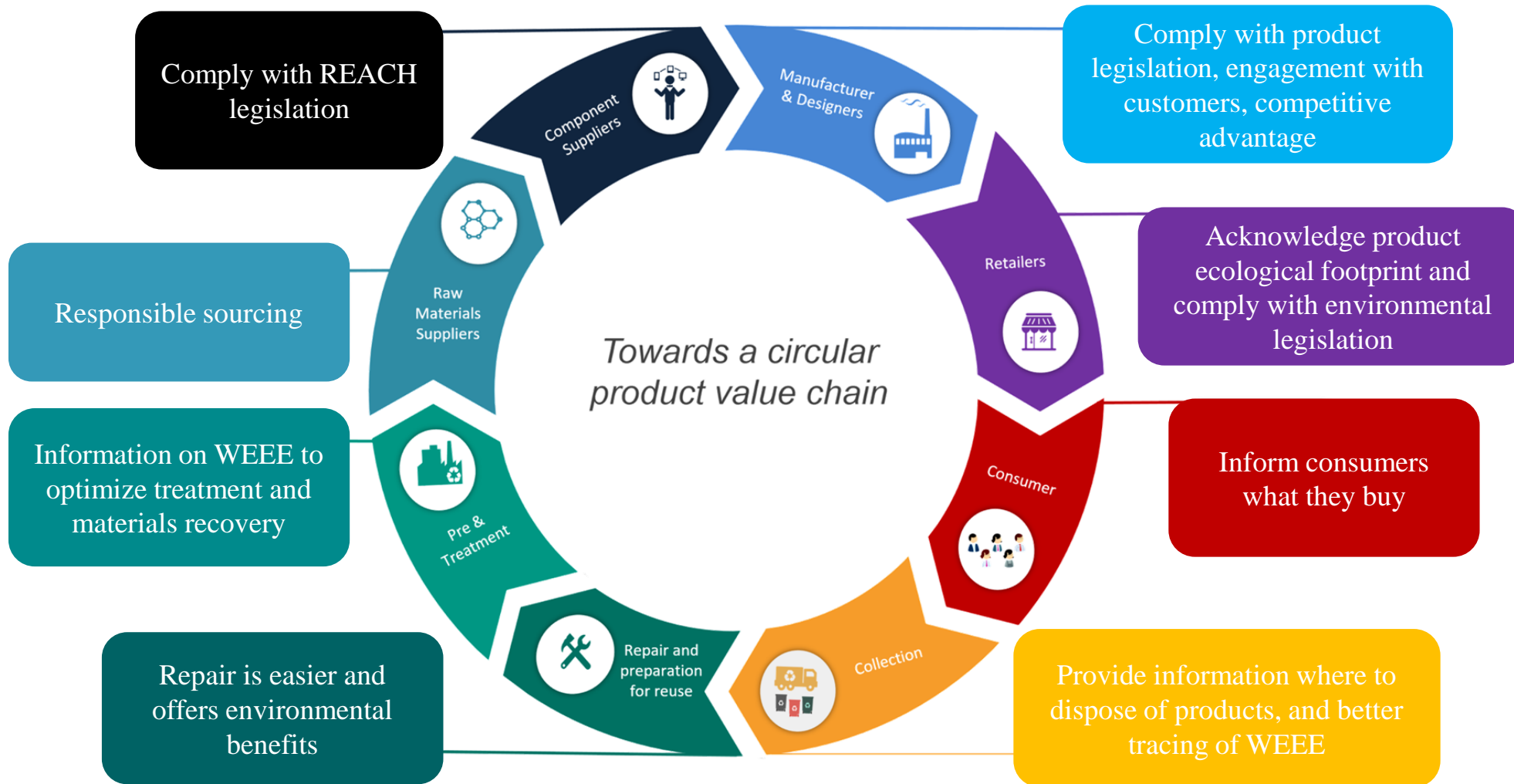
EPR stands for ‘extended’, not ‘exclusive’ producer responsibility



The principle that PROs are only legally accountable for the WEEE to which they have access should be enshrined in WEEE legislation

WEEE MUST DO THIS TOGETHER #4

Prevent waste from arising and work towards a (digitally enabled) circular value chain



WEEE MUST DO THIS TOGETHER #5



Together with other experts, responding to EU research programmes

Digital Circular Economy	Extended Producer Responsibility	Circular Economy Business Models
Future availability of raw materials	Advanced solutions Secondary Raw Materials in value chains	Circularity in digital health
Countering organised environmental crime	Embedded electronics	Robotics

Ongoing

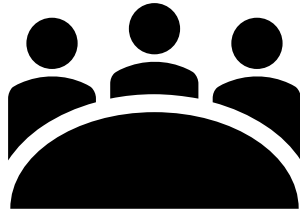
Proposal writing

Submitted

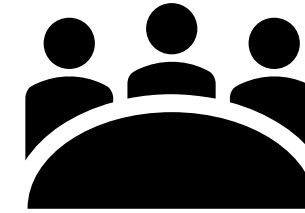
Future-oriented,
strategic and bold

WEEE MUST DO THIS TOGETHER #6

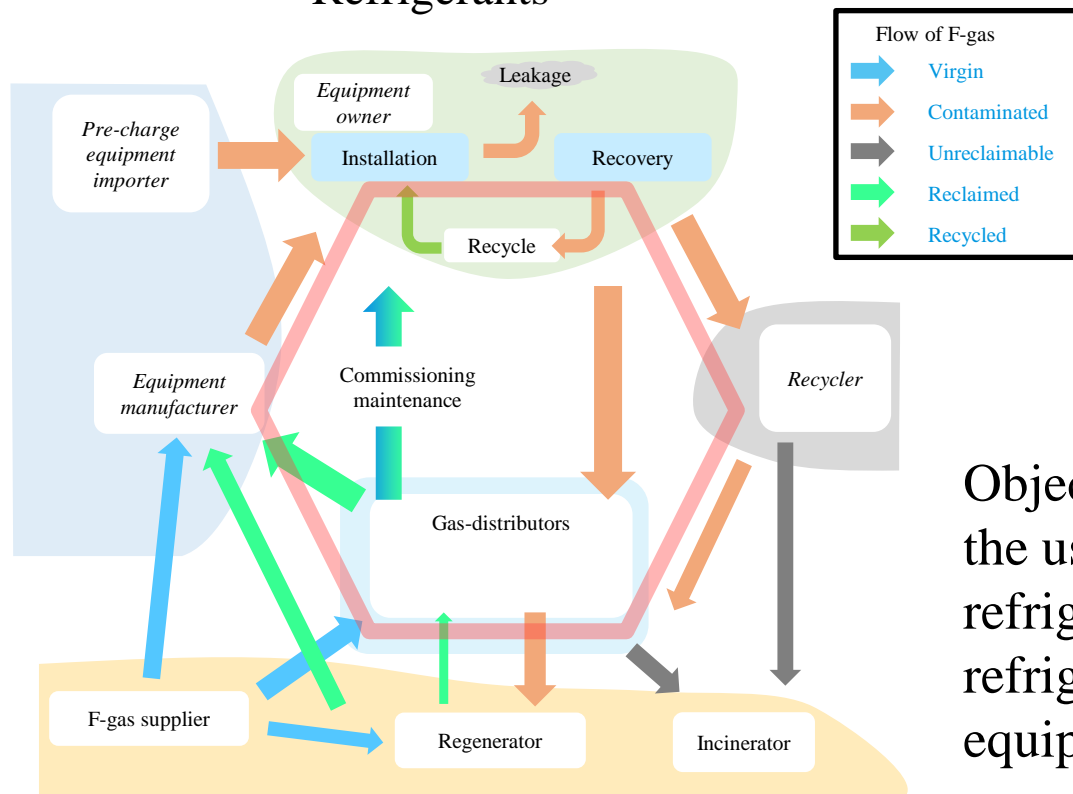
Roundtables with industry partners



Refrigerants



Batteries



Objective: Increase the use of reclaimed refrigerants in new refrigeration equipment

TOWARDS WEEE 2025



Green Deal

Sustainable Products Initiative

Regulation vs Directive

UN Sustainable Development Goals

Lifecycle Thinking

Global EPR

Transboundary Shipments of Waste

E-Waste as a Commercial Opportunity

Eco-design

Eco-modulation of fees

Harmonised Standards providing Presumption of Conformity

Aided by its Digital Agenda, the EU must aim to create a **fully circular and resource efficient electronics value chain and e-waste system** based on an updated vision on the **EPR** principle, implementing the #allactors approach, by **2030** and become a **global leader** in using standards and digitalisation to foster circularity, to improve waste prevention, collection, reuse, repair and recycling of e-waste, and to foster reporting.

Online Free-riders
Enforcement

Digital Product Passport

Digitally enabled circular value chain

Recycled Content

Target Calculation Methodology

Critical Raw Materials

Recycling Targets

All Actors

Product Stewardship

WEEE Available for Collection

THANK YOU

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