



ReWeee

DEVELOPING PARTNERSHIPS FOR E-WASTE PREVENTION, PREPARING FOR RE-USE AND RECYCLING

12 November 2020 – 14:00 to 15:30

<u>1:30</u>	Session 3: WEEE prevention and preparing for re-use in the EU
<u>14:00 – 14:10</u>	Welcome and short introduction
<u>14:10 – 14:25</u>	Keynote speech – Circular Electronics Initiative: what it brings in relation to WEEE Maria Banti – Policy Officer - European Commission – DG ENVI - Circular Economy and Green Growth - Waste Management and Secondary Materials
<u>14:25 – 14:40</u>	The development of WEEE Sorting Centres in Greece Haris Angelakopoulos – ReWEEE Project Manager - Electrocycle
<u>14:40 – 14:55</u>	The preparing for re-use of WEEE in Spain with AERESS José Manuel Portas – Project Manager - AERESS
<u>14:55 – 15:10</u>	The role of social enterprise in WEEE prevention and re-use Mathieu Rama – Senior Policy Officer - RREUSE
<u>15:10 – 15:30</u>	Q&A Session Moderated by Mathieu Rama - RREUSE



ΧΑΡΟΚΟΠΕΙΟ ΠΑΝΕΠΙΣΤΗΜΙΟ
HAROKOPIO UNIVERSITY



19,2% = What could be re-used directly because as good as new or simply requiring a little cleaning

0,5% = What is actually prepared for re-use

39% = What could be prepared for re-use if going through repair operations

90,3% = Processed with recycling being the most prevalent form of treatment (78,8%)

42% = What cannot be prepared for re-use because too damaged

11% = Burnt in waste-to-energy centres

The role of social enterprise in WEEE prevention and re-use

Mathieu Rama | Senior Policy Officer



MEMBERS



AUSTRIA
RepaNet



BELGIUM
• HERWIN
(formerly KOMOSIE)
• RESSOURCES



BOSNIA AND HERZEGOVINA
Association
Citizens "Hands"



CROATIA
Humana
Nova



ESTONIA
Uuskasutuskeskus



FINLAND
• Tramel
• Kierrätyskeskus Oy



FRANCE
• Emmaüs France
• Envie



GREECE
• Ecological
Recycling
Society
• Klimax Plus



HUNGARY
Humusz
Szövetség



IRELAND
• Community
Resources
Network Ireland
• RECOSI
• Rehab Recycle



ITALY
• Associazione
Orius
• Cooperativa
Sociale Insieme



NETHERLANDS
Branchevereniging
Kringloopbedrijven
Nederland



POLAND
EKON



SLOVENIA
Dobrote
z.b.o



SPAIN
AERESS



SWEDEN
Macken



UNITED KINGDOM
• Reuseful UK
Community
• Resources Network
Scotland



USA
donateNYC



PAN-EUROPEAN NETWORKS
Emmaüs Europe





RREUSE NETWORK IMPACT 2018

RREUSE IS AN INDEPENDENT NON-PROFIT ORGANISATION REPRESENTING SOCIAL ENTERPRISES ACTIVE IN THE FIELD OF RE-USE, REPAIR AND RECYCLING

1 000 000 TONNES

[THIS IS EQUIVALENT TO THE WEIGHT OF 137 EIFFEL TOWERS]

OF MATERIAL DIVERTED FROM LANDFILL THROUGH RE-USE, REPAIR AND RECYCLING, WHICH INCLUDED:

FURNITURE
200 000 TONNES
collected

OUT OF WHICH ↓



80 000 TONNES
re-used

TEXTILES
260 000 TONNES
collected

OUT OF WHICH ↓



95 000 TONNES
re-used

ELECTRICALS
290 000 TONNES
collected

OUT OF WHICH ↓



20 000 TONNES
re-used



BOOKS & RECORDS
16 000 TONNES
collected

OUT OF WHICH ↓



5 500 TONNES
re-used

BRIC-A-BRAC
30 000 TONNES
collected

OUT OF WHICH ↓



14 000 TONNES
re-used



27 MEMBERS ACROSS
25 EUROPEAN COUNTRIES
AND THE USA

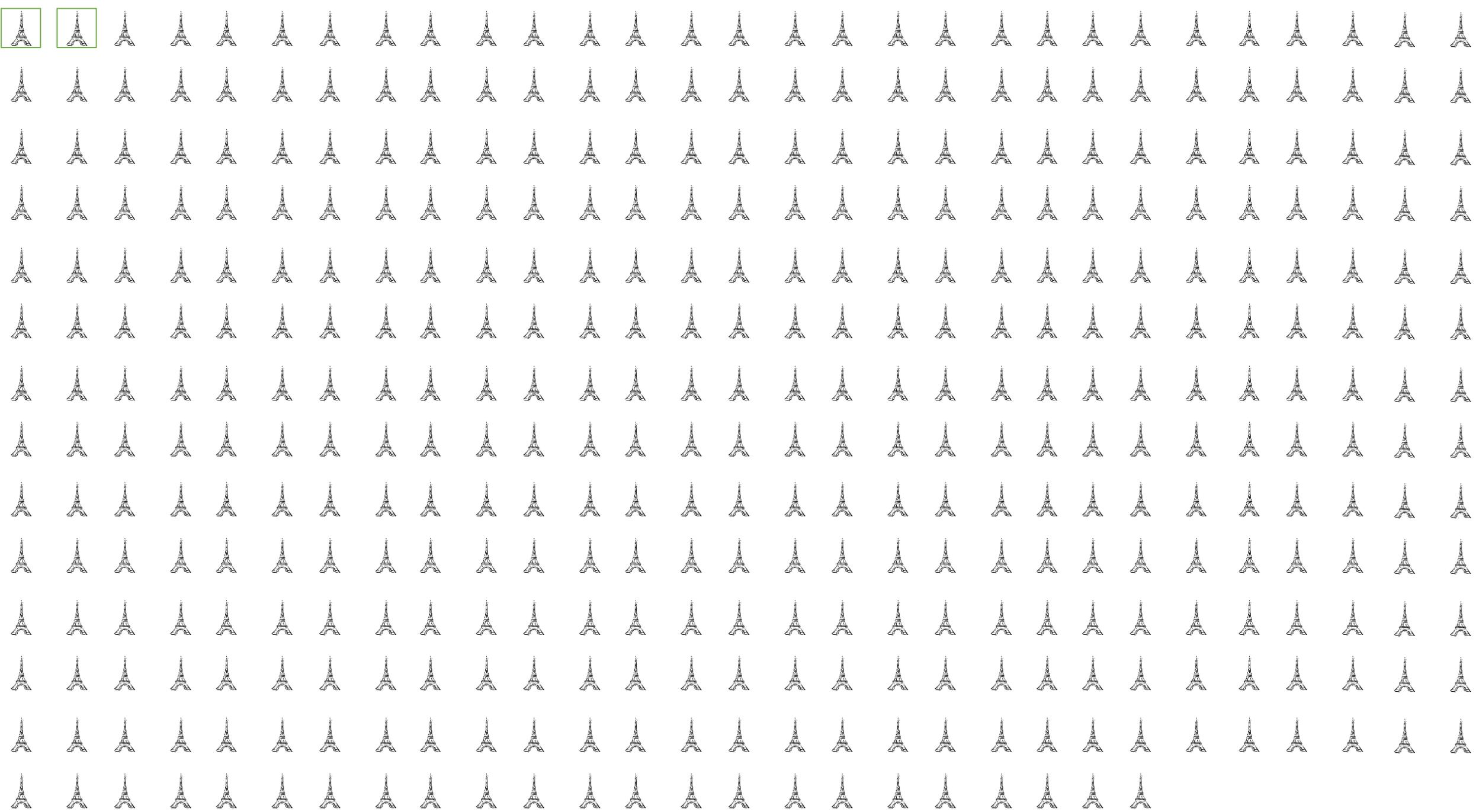
850 SOCIAL ENTERPRISES
ARE PART OF RREUSE'S WIDER NETWORK

95 000 EMPLOYEES,
VOLUNTEERS AND TRAINEES
ENGAGED IN THE ACTIVITIES OF
RREUSE'S MEMBERS

2 000 SHOPS WELCOMED
39 000 000 CUSTOMERS
[THIS IS EQUIVALENT TO SERVING THE
WHOLE POPULATION OF POLAND]
CONTRIBUTING TO AN OVERALL
RREUSE MEMBER ACTIVITY
TURNOVER OF € 1 200 000 000

RREUSE MEMBERS COLLECTED AND HANDLED **22 DIFFERENT MATERIAL STREAMS:**

FURNITURE, ELECTRICALS, TEXTILES, BOOKS & RECORDS, BRIC-A-BRAC, TOYS, DIY, BICYCLES, CONSTRUCTION MATERIALS, BIOWASTE, VEGETABLE OIL, FOOD DONATIONS, GLASS, PAPER, WOOD, PACKAGING & PLASTICS, METAL SCRAP, USED CARTRIDGES, BATTERIES, MATTRESSES, PAINT, OTHER MATERIALS



awareness raising campaigns, international projects, exchange of best practice and business support



Integration of disadvantaged groups on the job market



95 000 EMPLOYEES, VOLUNTEERS AND TRAINEES ENGAGED IN THE ACTIVITIES OF RREUSE'S MEMBERS



JOB CREATION POTENTIAL 10,000 TONNES OF USED GOODS



Source of data: US EPA (2002) and the Institute for Local Self Reliance; Icons by Freepic – CC license



Action B.1:

Design and Development of Methodologies and Tools for Measuring Re-Use Preparation Background of the Study

Deliverable B1.1: “Mapping of the Currently Applied Methodologies for Re-use and Preparation for Re-use of WEEE’ across EU Member – States”

Three (3) sets of questionnaires were formed and distributed to:

- National and/or Regional Re-use Centres Networks
- Local Re-use Centres Networks
- Individual Re-Use Centres
- Producer’s Responsibility Organizations (PROs)
- Local Authorities & Waste Agencies



Background of the Study (2)

Deliverable B1.2: “Comparative Analysis Report of Existing Measures Used in the European Union”

From a total of 28 responses representing at least 363 entities (from 12 EU-countries), 18 respondents (from 7 EU-countries and representing at least 255 entities) were selected based on the validity and inclusiveness of adequate data for:

- Mapping the procedures’ chain of each applied (W)EEE Re-use (& Recycle) methodology.
- Identifying the involved actors.
- Extracting information on how the re-use & preparation for re-use ratios are measured.
- Quantitative & qualitative performance indicators on (W)EEE separate collection & REWEEE production.



Integrated Methodology - Structure

Design: Merging of Differences into One Single Methodology that Integrates All Applied Ones

Modeling & Visualization: Correlation of Procedures & Transactions Among All Involved Actors & Stakeholders

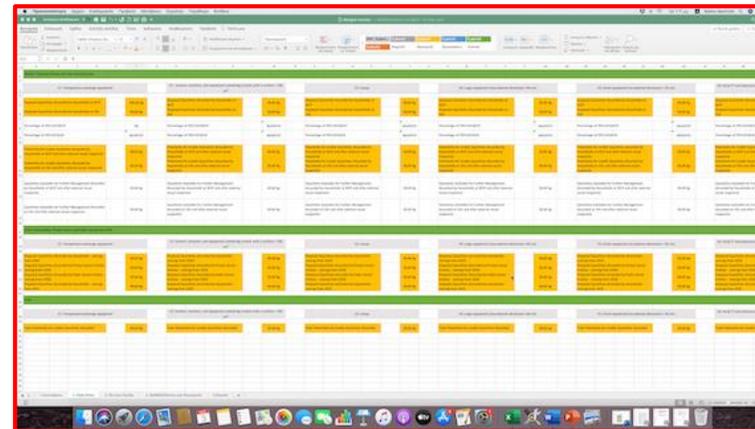
Integrated Methodology – Overall Structure:

- (W)EEE Applied Delivery – Collection Schemes (CAS, D2DC, WCPs and DIYD)
- (W)EEE Management Facilities
 - Temporary Storage (sorting & weighting)
 - REWEEE Processing – Preparation for Re-Use
 - REWEEE Trading – Donating Stores
- Points of Calculation & Mathematical Formulas (as baseline for the development of Demo Tool)



Action B.1.3: Electronic toolkit formation for the methodology application in a user-friendly format:

	Q1: Separate waste for material recovery (kg)	Q2: Separate waste for material recovery (kg)	Q3: Total "artificially" separate waste (kg)
Q1: Current quantity of household WEEE collected in Greece	2000 kg	2000 kg	2000 kg
Q2: Current quantity of household WEEE collected in Greece	2000 kg	2000 kg	2000 kg
Q3: Current quantity of household WEEE collected in Greece	2000 kg	2000 kg	2000 kg
Percentage of REE/RODOP	25%	25%	25%
Percentage of REE/RODOP	25%	25%	25%
Percentage of REE/RODOP	25%	25%	25%
Quantity of household WEEE management (kg)	1500 kg	1500 kg	1500 kg
Quantity of household WEEE management (kg)	1500 kg	1500 kg	1500 kg
Quantity of household WEEE management (kg)	1500 kg	1500 kg	1500 kg



- Instructions have been developed
- A demo will be developed in Greek, English and French

In Bavarian waste collection points, 86% of identifiable damage caused to WEEE is attributed to a lack of sufficient weatherproof roofing

Potentials of preparation for reuse: A case study at collection points in the German state of Bavaria – 11/07/2018

Lukas Messmann, Sandra Boldoczki, Andrea Thorenz, Axel Tuma - Resource Lab, University of Augsburg

Article 11 of the Waste Framework Directive provides that Member States shall take measures to promote preparing for re-use activities by facilitating access to waste held by collection schemes or facilities

WEEELove campaign



Waste electrical goods need to be protected from rain or they can't be re-used



#WEEELove



WEEELove campaign

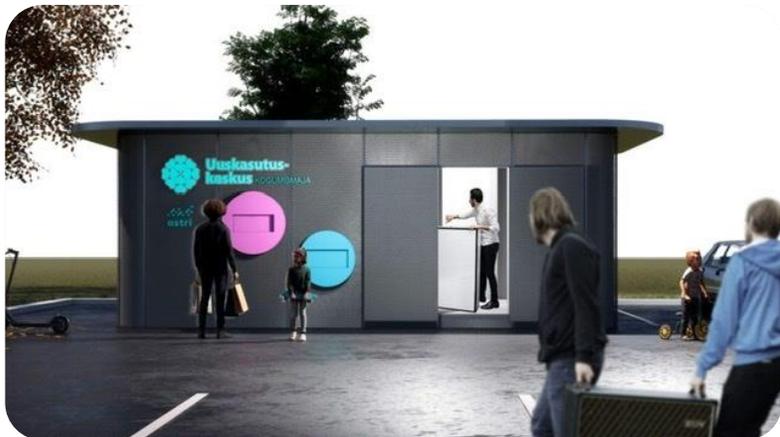


Waste electrical goods need to be handled with care, or they can't be re-used



#WEEELove





Astri Group and **Uuskasutuskeskus** (Estonia) developed a “collection house”



Tandler Box in Wien



Re-Use container Schwadorf (**Repanet - Austria**)



Laptop collectors Helsinki (**Kierratyskeskus**)

Policy

Re-use targets at national level

- **Flanders, Belgium:** 7 kg re-used material per capita by 2022
- **Spain:**
 - 50 % preparing for re-use and recycling by 2020 of which 2% will be prepared for re-use
 - WEEE target: 3 % of large household appliances and 4 % of IT equipment to be prepared for re-use from 2018
- **France:** About to develop re-use and preparing for re-use targets, as well as a Solidarity Re-Use fund which will save 5% of the extended producer responsibility fee to operators from the social economy.

Making repair & re-use easier and cheaper

Consumer goods are now less durable and repairable than in the past. RREUSE has investigated the increasing difficulties associated with attempting to repair modern electronic equipment including:

- Lack of access to and high costs of spare parts: costs of repair are higher than purchasing a new appliance
- Lack of appropriate repair information: no free access to service manuals, software and hardware of product and components
- Product design and components without re-use potential: new designs make it increasingly difficult to repair a product or components without breaking it.

Not only is this a serious environment issue but not being able to repair an appliance also puts at risk the economic viability of re-use and repair organisations.

In Europe 77% of citizens would be willing to have their goods repaired but hardly ever do because it is too expensive for them to do so !

Making repair & re-use easier and cheaper

RREUSE is a member of the Right to Repair movement



We believe that products should be designed to last and to be repaired, and that as many people as possible should be involved: Repair activities should not only be conducted by repairers that are picked by manufacturers or retailers.

Making repair & re-use easier and cheaper

EU policy agenda

From March 2021 onwards, manufacturers of domestic washing machines and washerdryers, fridges, dishwashers and electronic displays will have to respect the following requirements:

- Designing their products so they can be **easily disassembled non-destructively**
- Ensuring that **key parts can be removed and replaced** without the need for proprietary tools
- Providing certain key spare parts to professional repairers under a **delivery period of 15 working days**
- Making repair manuals available to professional repairers, but in exchange for a 'reasonable fee'

The **Sustainable Product Policy Initiative** and the **Circular Electronics Initiative** announced in the new Circular Economy Action Plan should extend these requirements to other types of products.

What is needed:

- **Labels and warranties** to ensure good quality to clients
- Availability of **repair and maintenance booklets** (provided by manufacturers or developed by the reuse centre)
- More **communication**



What could boost the sale of second-hand electronics?

Public procurement:

- Public authorities in the EU are spending about 14 % of GDP on public purchases.
- 55 % of procurement procedures still use the lowest price as the only award criterion.
- Green Public Procurement should encourage the purchase of second-hand goods from social enterprises (computers in schools for example)

Preferential taxation for re-use and repair activities:

- Ireland, Luxembourg, Malta, Netherlands, Poland, Slovenia, Finland: Sweden VAT reduction on minor repair services (including mending and alteration) of: Bicycles; shoes and leather goods;
- France: the collection and sales of used goods carried out by social enterprises are exempt from VAT because their activities are linked to the employment of disadvantaged and disabled persons
- More examples here: https://www.rreuse.org/wp-content/uploads/RREUSE-position-on-VAT-2017-Final-website_1.pdf

Keep in touch!



RREUSE is on social media...



...and we do have a newsletter!
sign up at www.rreuse.org



Interesting links

- [Preparing for Re-use of Waste Electrical and Electronic Equipment by Social Enterprise \(video\)](#)
- [Potentials of preparation for reuse: A case study at collection points in the German state of Bavaria](#)
- [RREUSE 2018 Impact & Activity Report](#)
- [Right to Repair campaign](#)
- [Position paper on Reduced taxation to support re-use and repair](#)
- [France to create a Solidarity Re-use Fund \(and other re-use friendly measures\)!](#)
- [WEEE preparation for re-use: Position on CENELEC standards for the sector](#)
- [Open letter: Google threatens existence of independent repair service providers](#)
- [Grab your tools! Today is Repair Day!](#)
- [EU leap toward the Right to Repair needs an extra push](#)
- [Opinion: Repairing electronics shouldn't be rocket science](#)
- [Poor handling of WEEE must be tackled](#)
- [Repair truck 'Tour de France'](#)
- [Longer-lasting white goods cut environmental impacts by 30% – study](#)
- [Spain first EU country to mandate re-use of electrical goods](#)
- [New French legislation pushes for longer-lasting products](#)

Contact us:

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