

## Each participating nation has its very own means of end-of-life courses for various items.

Although each nation underlies the very same European Rules as well as Directives, there are a little different courses considered specific items as this hinges on the facilities readily available in those nations. As an example is a television set not in every nation manually took down, in some other it is shredded and also then immediately arranged.

**The kind of paths of each product is not just differing from nation to nation, but also from area to region.**

To identify the various end-of-life routes each partner nation is asked to explain their EOL alternatives in their nation. The results are shown in this deliverable as well as shall serve as a following file on deliverable 3.2.1- as a basis for the ecological, financial as well as also social assessment- as an overview on the development of the waste administration field in each nation.

Chapter 2 shows the end-of-life alternatives for each product in each nation, which were already offered in Deliverable 3.2.1. In phase 3 the various alternatives are explained in detail. The number of centers in each country and also their abilities are likewise given.

- 2 Recognition of nation details end-of-life administration The adhering to tables (out of deliverable 3.2.1) reveal the end-of-life alternatives for all chosen indicator items in the engaged nations.
- Arold H.; Koring C. (2007 ): An Investigation and also Evaluation of the Second-Hand Market in Europe.
- New Vocational Ways as well as Certifications for Professionalisation in the Second-Hand Industry, QualiPro Secon Hand, European record.
- ITB Universität Bremen.

Germany Otherwise specified or else, the following resource was taken: BAWP (2011 ): Federal Waste Administration Strategy. <http://www.bundesabfallwirtschaftsplan.at/3.3> Hungary 3.3.1 ReUse There are no specialized reuse shops according to the Waste Framework Instruction (2008/98/EC), but there are numerous pre-owned stores in the nation for clothes, furnishings as well as digital devices. 3.3.

## 2 Material recycling The reply covers the waste stream of WEEE, garments, furnishings and downtime activity tools.

As only WEEE-relevant directive is in force, so ordered collection as well as treatment system exists just for this waste-stream. What connects to the various other streams, there are no collective plans for them.

These wastes are disposed by organised unique waste collection occasions by the local waste collector business or by prohibited means. It is difficult to determine whether the product has actually come to be waste or it still can be used as its key purpose.

The pre-owned market of these items is relevant in Hungary. In case of various other waste streams other than the worried product classifications, like community strong waste, the following packaging fractions

are gathered separately throughout the country (it means it is selectively collected around, and also bigger communities):- plastic containers.- cardboard, papers.

### **Glass containers**

An organised collection system exists additionally for these fractions, funded by item cost. For other fractions, like ALU containers, tetrapack boxes, and also naturally degradable organic waste content the selective collection system exists only on particular locations of the nation. Other waste streams, like naturally degradable organic waste from horticulture activity of municipalities are also independently collected.

According to the general public advantage activity record of the biggest Hungarian Producers' Obligation Organisation, called Öko-Pannon Nonprofit PLC., they recouped (product recycling - 57,2% as well as energetic heating - 3,8% together) 61% of their co-ordinated amount in 2010. Their system offers.

### **Transwaste page 20.5,3 million occupants.**

The municipalities got with Öko-Pannon gathered an average amount of 10 kg/person/year waste in 2015. The material reusing actions of the above discussed portions vary in Hungary and also foreign countries as well.

Typical product recovery process for every portion, i.e. plastics are chosen by colour and also kind, then washed, homogenised and also granulated for returning right into the manufacturing loop. For End-of-Life Automobiles: there are 3 shredder-plants (2 in Budapest (Ereco: 12.000 t/year, MüGu: 100.000 t/year, 1 in Fehérvárcsurgó: 120.000 t/year).

For WEEE: in Hungary there are 5 PRO-s. The greatest of them, called Electro-coord Kft. covers regarding the 75 % of the WEEE concerned producers in Hungary. They remain in contract with 14 recyclers (Electro coord, 2009), throughout the nation. They refine at about 40 thousand lots of WEEE annually. Amongst them, there are just 4 possessing Shredder equipment, while the remainder take down typically by handwork.