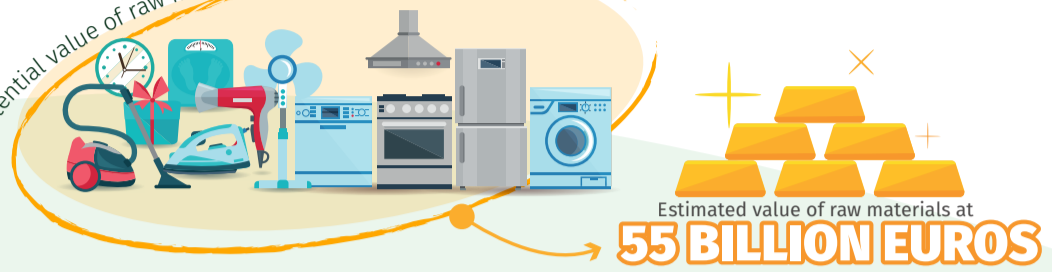




# ACTIVATING CIRCULAR SERVICES IN THE ELECTRIC AND ELECTRONIC SECTOR

Potential value of raw materials in e-waste in 2016



## THE NEED

Waste Electrical & Electronic Equipment (WEEE) in EU:

- Growing at 3-5% per year
- Generation > 12 Mt (for 2020)
- Complex mixture of valuable materials

## THE SOLUTION

C-SERVEES aims to transform the Electrical and Electronic (E&E) sector into circular and 4.0

- New opportunities for end-users
  - Involvement in design
  - Access to a product as a service
- Social and solidarity economy
  - Jobs for people at risk of social exclusion
- Systemic eco-innovative services
  - Eco-leasing
  - Product customization
  - Improved WEEE management
- Supported by ICT tools

## RESULTS

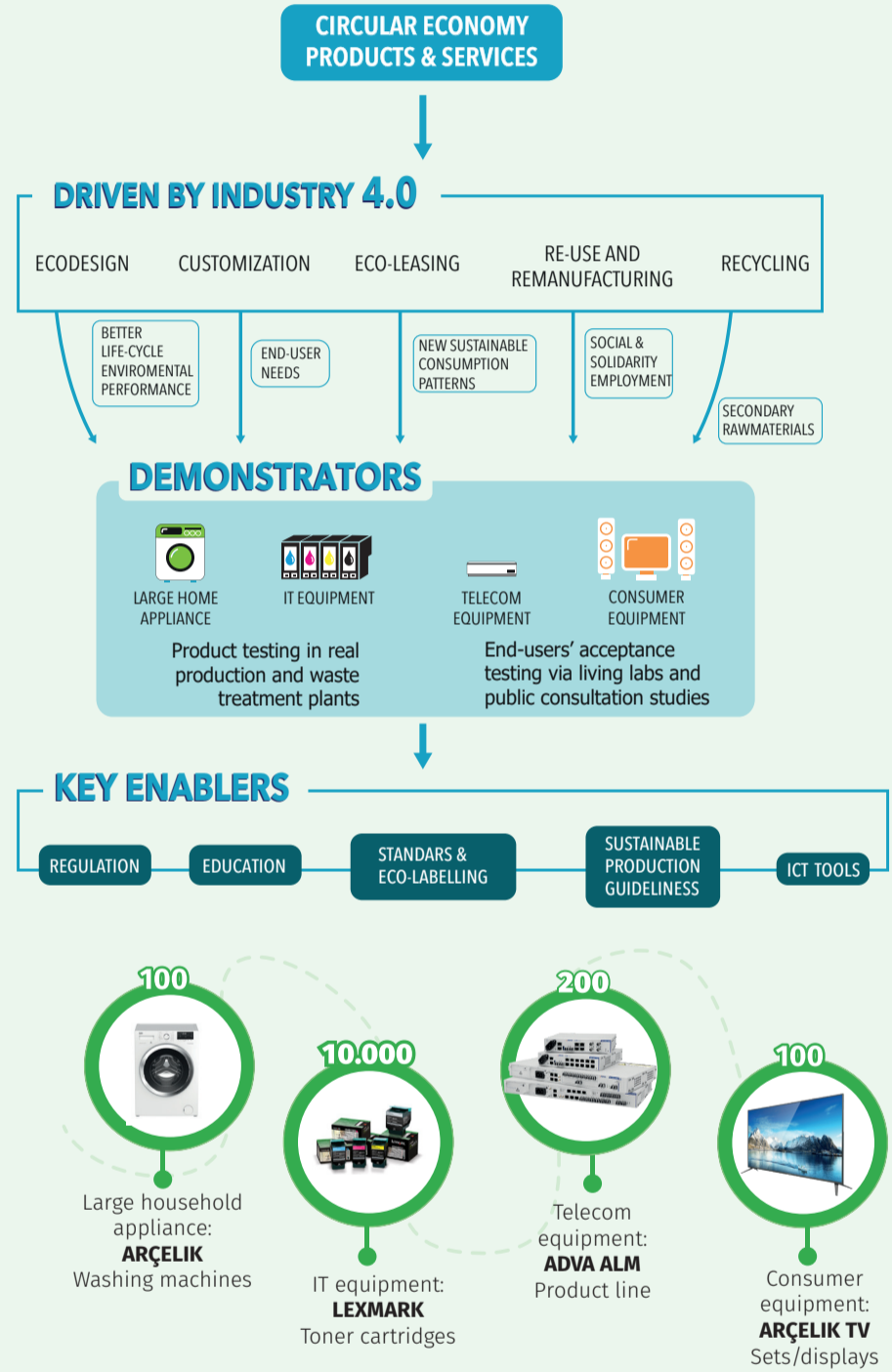
Running demonstration with target products to:

- Develop circular economy business models for E&E sector
- Develop ICT tools for bidirectional communication & secure information exchange through the EEE value chain
- Implement the new circular economy business models
- Validate the new business models
- Provide key enabling tools for boosting the replicability & transferability
- Maximize the innovation impacts of the project for contributing to the uptake of the project results for growth and jobs

## THE ICT TOOL

Driver of the proposed eco-innovative services for boosting both

- Circular economy
- Industry 4.0



### ZERO-KNOWLEDGE ICT FOR INFORMATION EXCHANGE IN A SECURE, QUICK & TRANSPARENT MANNER

Who?	How?	What?
<b>Manufactures</b>	QR label on products	First-hand feedback from end-users and EoL managers: market insights, improving user experience, product customization and design for EoL
<b>End users</b>	QR app for smartphones	It is a digital passport for products and provides services to users Interactive user manuals, Consumables management, Warranty tracking, Theft prevention, Repair manuals, Producer feedback
<b>EoL managers</b>	QR scanners (handheld or in-line)	Improvement of EoL management by enabling product life-cycle tracking and automatically make sorting & treatment decisions based on computer algorithms

## MORE INFO – NEWSLETTER – BECOME A STAKEHOLDER

[www.c-serveesproject.eu](http://www.c-serveesproject.eu) | [c-servees@aimplas.es](mailto:c-servees@aimplas.es)