



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 776503

Recycling WEEE System Using the Intelligent Bin and Mobile App

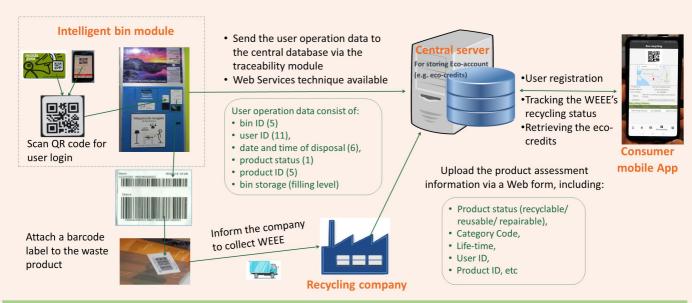
EU H2020 project 'CIRC4Life - A circular economy approach for lifecycles of products and services' Advanced Design and Manufacturing Engineering Centre, Nottingham Trent University, UK

Aim:

To develop the ICT-based system for recycling/reusing waste electronic and electrical equipment (WEEE).

Research Contents:

- The End-of-Life electronic/electrical products (e.g. computer tablets) are recycled through the intelligent bins located at the self-service collection points.
- Eco-credits are awarded to reflect consumer's positive behaviour in reducing environmental impacts. They can be used as a voucher for getting a discount in products.
- The mobile app is developed for consumers to track online the product status (or recycling process) and earn eco-credits.



Implementation Flow of the Recycling WEEE system



1. The intelligent bin system



2 Scan user's ID

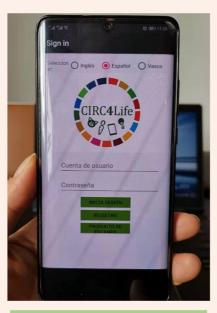


3. Select the status of e-waste and open the bin door



4. Print the barcodes





CIRC4Life mobile App



Retrieving the eco-credits earned













