

Interreg



EUROPEAN UNION

2 Seas Mers Zeeën

PlastiCity

European Regional Development Fund



Circular
economy



The objective of the PlastiCity project is to develop replicable strategies and solutions that are able to **increase plastic recycling rates** in urban environments from 20-30% to over 50% by unlocking the use of 'lost plastics' as secondary resources from the urban environment.

Project partners:



Working to make
Leeds better
www.leeds.gov.uk



www.PlastiCityProject.eu

The European coastal region along the Southern North Sea and the Channel area is one of the most proliferative regions in the EU when it comes to generating plastic waste.

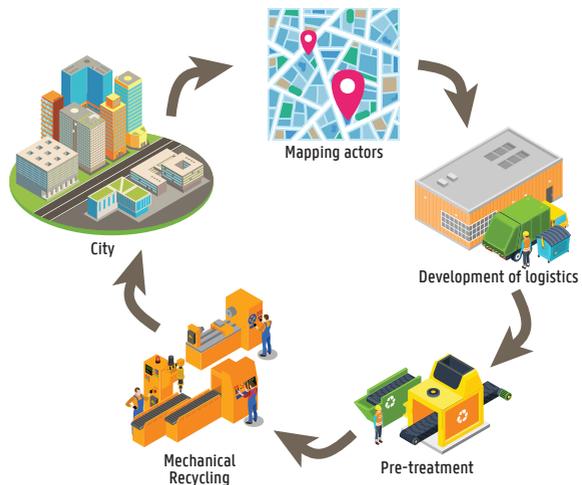
But overall, plastic recycling rates are incredibly low (20-30%). Within the urban environment – often including cities near water bodies – a lot of plastic waste is available that would, in terms of quality, technically be eligible for recycling but is not effectively validated.

These so-called ‘lost plastics’ can form a prominent role in the circular economy,

providing actors and stakeholders with an economic opportunity to benefit by stepping away from traditional plastic disposal methods.

The economic opportunities are not fully known, nor understood. Some important barriers to realize the full potential of plastic in the circular economy - such as collection logistics that aren't fully developed, sorting facilities that aren't well equipped, or stakeholders who aren't fully engaged - need to be overcome if the 2S region is to play a key role in delivering the EU strategy for plastics in the Circular Economy.

Resourcing Plastics from the City



Mapping actors and waste flows

PlastiCity maps the quantities, qualities and composition of waste, the behavior of actors and the geography in the 4 case study cities.

Developing logistic & processing scenarios

Technical solutions for logistics, pretreatment and reprocessing are developed and demonstrated to deliver proof of what is feasible and how current market difficulties can be tackled.

Developing business cases for the new value chains from plastic waste

PlastiCity implements the technical solutions in 4 pilot cities, induces behaviour change and creates sustainable business models.

Creation of a mobile pretreatment unit

The mobile unit combines characterization and (pre)processing. It demonstrates the technical solutions related to logistics and processing.