



EUROPEAN WEEK of Regions & Cities

Strong Regions, Strong Europe



12-14
OCTOBER
2026



#EURegionsWeek

Regions turning industrial waste into circular value chains

What is the biggest barrier to making it happen in your region?



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Strong Regions, Strong Europe

About the CIRCULOOS Project

CIRCULOOS helps SMEs build more circular supply chains through real-world pilots in plastics, leather, and wood supported by digital tools for data sharing, traceability and circular manufacturing, and new collaboration models through open calls.





Plastic pilot

Challenge: acquire certified and high-quality recycled plastic from additional sources other than only the customer themselves.

Leather pilot

Challenge: enable scalable collaboration for the stakeholders interested in leather industry circularity

Wood pilot

Challenge: have an overview of the available sustainable wood across suppliers, and plan for the most efficient supply.





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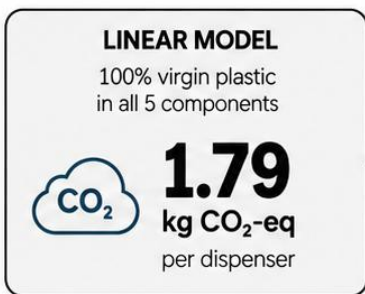




PLASTIC PILOT

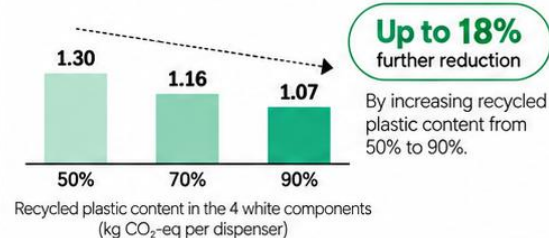
From linear waste to circular value

Turning plastic waste into household appliance components.



-27%
lower carbon footprint
compared to the linear model

MORE RECYCLED PLASTIC FURTHER REDUCES EMISSIONS



A COLLABORATION BETWEEN:



A replicable model for regions

Connecting recyclers, manufacturers and technology providers to create circular value chains.

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This project has received funding from the European Union's "Horizon Europe" programme under grant agreement 101092295.





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LEATHER PILOT

From leather waste to circular value

Turning leather leftovers into new accessories.



Leather leftovers
(e.g. from bag production)



Bag manufacturing
(virgin leather)



Production leftovers
(cutting process)



Manufacturing
of keyholders
from leftovers



Leather products:

- 1 bag
(virgin leather)
- 1 keyholder
(from leather
leftovers)



LINEAR MODEL

100% virgin leather
for bag and keyholder



119.7
kg CO₂-eq
per bag and keyholder



CIRCULAR MODEL

Bag: 100% virgin leather
Keyholder: from production leftovers

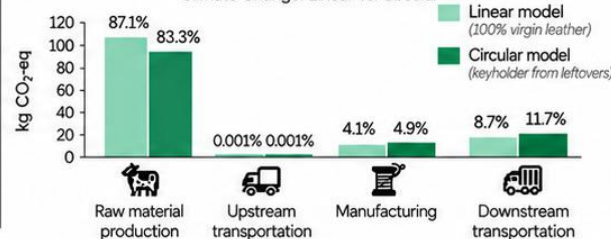


89.1
kg CO₂-eq
per bag and keyholder

-26%
lower carbon footprint
compared to the linear model

LEATHER LEFTOVERS SIGNIFICANTLY REDUCE EMISSIONS FROM RAW MATERIALS

Climate Change: Linear vs. Circular



A COLLABORATION BETWEEN:



Leather fashion industry



Accessories manufacturer



A replicable model for regions

Connecting manufacturers and accessory producers
to valorise industrial leather waste and create circular value chains.

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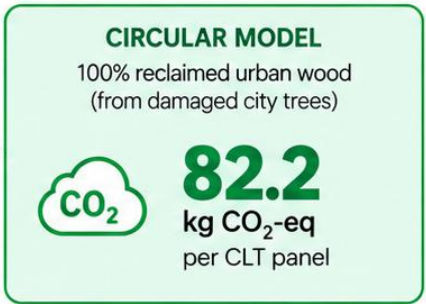
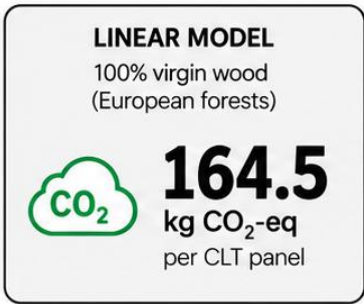




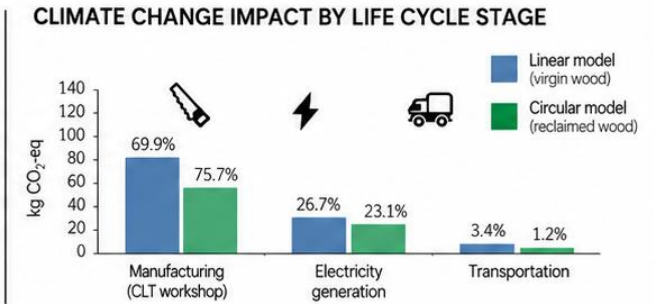
WOOD PILOT

From urban tree waste to circular value

Turning damaged city trees into construction materials.



-50%
lower carbon footprint compared to the linear model



A COLLABORATION BETWEEN:



A replicable model for regions

Connecting urban tree managers, manufacturers and construction stakeholders to create circular value chains.

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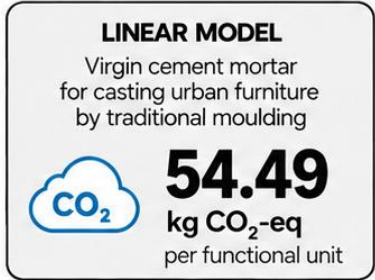




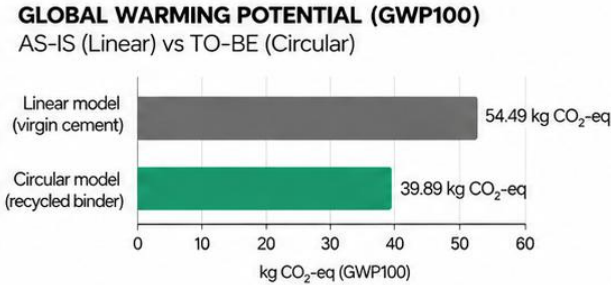
CIRCULOOS OPEN CALLS | SUCCESS CASE

RE-CONCRETE: from industrial waste to circular urban furniture.

Giving a second life to construction and steel waste.



-27%
lower carbon footprint compared to the linear model



DEVELOPED THROUGH THE CIRCULOOS OPEN CALLS:



A replicable solution for circular cities.
Turning construction and industrial waste into high-value urban furniture, reducing emissions and preserving natural resources.

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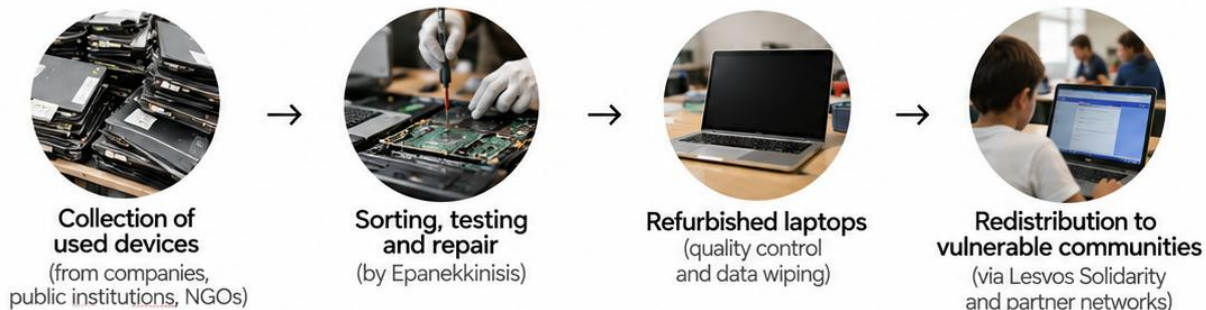




CIRCULOOS OPEN CALLS | SUCCESS CASE

REboot EQuality (REQ): from used devices to new opportunities.

Repairing laptops to extend their life and bridge the digital divide.



Target groups:

Refugees, unemployed youth (NEETs), women from low-income backgrounds



New application:

Refurbished laptops for education, training and employment



Actors involved:

Epanekkinisis, Lesvos Solidarity and local partners



ENVIRONMENTAL BENEFIT

Less e-waste and lower emissions by extending device lifetime.



SOCIAL IMPACT

Access to digital tools for underserved communities.



SCALABLE MODEL

Data-driven collaboration across diverse stakeholders using CIRCULOOS tools.

“

Digital inclusion through circularity.

Turning donated laptops into opportunities for education, employment and social integration, while reducing electronic waste.

DEVELOPED THROUGH THE
CIRCULOOS OPEN CALLS:

REboot EQuality (REQ)
Epanekkinisis & Lesvos Solidarity



A replicable solution for a more inclusive and circular Europe.

Connecting device donors, repairers and social organisations to maximise environmental and social value through circular supply chains.

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What does a region need in place to replicate these circular value chains?

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