



# **CITYCIRCLE**

**Training for regional stakeholder groups**

**Circular economy hubs**

**Example of Wcycle, Maribor, Slovenia**

*Online meeting*

*April 10<sup>th</sup>, 2020 – 15:00-16:00 CEST*

*Hosted by BWCON GmbH*



## MINUTES

### Greetings & Intro

Luc Schmerber, BWCON

#### **KEY NOTES:**

1. Introduction to the context of the webinar, as part of D.T2.2.4 Specific trainings for each of the regional stakeholder groups (2 trainings per region)  
Topic: Circular economy hubs
2. Introduction of the speaker:  
*Igor Kos*  
*Inštitut Wcycle Maribor / Wcycle Institute Maribor*  
*Inštitut za krožno gospodarstvo / Institute for Circular Economy*  
*Jadranska 28, 2000 Maribor, Slovenija*

### PRESENTATION

Igor Kos, Wcycle Institute Maribor

#### **KEY NOTES:**

1. Presentation of the Circular Economy strategy of the city of Maribor, with a focus on the Wcycle Maribor initiative, [www.wcycle.com](http://www.wcycle.com).
2. Q&A with the audience

### SUPPORTING DOCUMENTS

1. Presentation (Annex)
2. List of participants (Annex)
3. Recording of the webinar (available upon request)



# ATTENDANCE LIST

**CE1515 CITYCIRCLE**

**Event Name: CITY CIRCLE Webinar**

**Location: online**

**Date: 09.04.2020, from 15:00-16:00 CEST**

No.	Name and Surname	Organisation	E-mail	Signature
1.	Luc Schmerber	BWCON	schmerber@bwcon.de	n.a.
2.	Nadia Vedova	Municipality of Udine	nadia.vedova@gmail.com	n.a.
3.	Giampaolo Tarpignati	Unione Territoriale Intercomunale (UTI) del Friuli Centrale	giampaolo.tarpignati@friulicentrale.utifvg.it	n.a.
4.	Stefano Treu	APE FVG	stefano.treu@ape.fvg.it	n.a.
5.	Robert Hanzen	TUKE	robert.hanzen@tuke.sk	n.a.

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6.	Peter Tapak	TUKE	peter.tapak57@gmail.com	n.a.
7.	František Janke	TUKE	frantisek.janke@tuke.sk	n.a.
8.	Barbora Kovacova	EGTC Via Carpatia	Barbara.kovacova@vucke.sk	n.a.
9.	Petra Schusterova	EGTC Via Carpatia	Petra.schusterova@vucke.sk	n.a.
10.	Marija Ahacic-Premrl	City of Kranj	Marija.Ahacic-Premrl@kranj.si	n.a.
11.	Tomaž Lanišek	City of Kranj	Tomaz.Lanisek@kranj.si	n.a.
12.	Robert Nograšek	City of Kranj	Robert.Nograsek@kranj.si	n.a.
13.	Zihlerl Janez	City of Kranj	Zihlerl.janez@kranj.si	n.a.
14.	Črtomir Kurnik	Local Energy Agency of Gorenjska	crtomir.kurnik@leag.si	n.a.
15.	Branka Balantič	SCKR	branka.balantic@sckr.si	n.a.
16.	Nina Taylor	eZavod	nina@ezavod.si	n.a.
17.	Rea Poljak	City of Varazdin	rea.poljak@varazdin.hr	n.a.

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18.	Gregor Drago Zupančič	Croteh d.o.o. - Centre for development of sustainable technology ltd. Zagreb, Croatia	gregor.zupancic@croteh.eu	n.a.
19.	Nikolina Zigmund	DAN	nikolina.zigmund@dan.hr	n.a.
20.	Filip Biscevic	DAN	Filip.bisevic@dan.hr	n.a.
21.	Ivan Šimić	Regional energy Agency - REA Koprivnica, Croatia	ivan.simic@rea-sjever.hr	n.a.
22.	Emil Tkalec	Local Action Group - Lepoglava, Croatia	Emil Tkalec <etkalec@gmail.com>	n.a.
23.	Martin Dobler	Fachhochschule Vorarlberg	Marv.attin.dobler@fh	n.a.
24.	Bojana Suzic	Fachhochschule Vorarlberg	Bojana.SUZIC@fhv.at	n.a.

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Teilnehmer (25)

Finden Sie einen Teilnehmer

- LS** Luc Schmerber (Host, ich)
- I** Igor
- PĚ** Peter Ěapak
- FJ** Frantisek Janke
- BK** Barbora Kovacova
- BS** Bojana Suzic FHV
- BB** Branka B
- ET** Emil Tkalec
- FB** Filip Bišćević
- G** Giampaolo
- I** ivan.šimic
- K** Klaudija
- L** Lanisek
- LC** LEAG Crtomir Kurnik
- MA** Marija Ahačić Premrl
- MD** Martin Dobler (FHV)
- NV** Nadia Vedova
- N** nikolina
- NI** Nina's iPhone
- P** PC
- PS** Petra Schusterova
- R** Rea Poljak
- RH** Robert Hanzen
- TS** Treu Stefano
-  Gregor D. Zupančič

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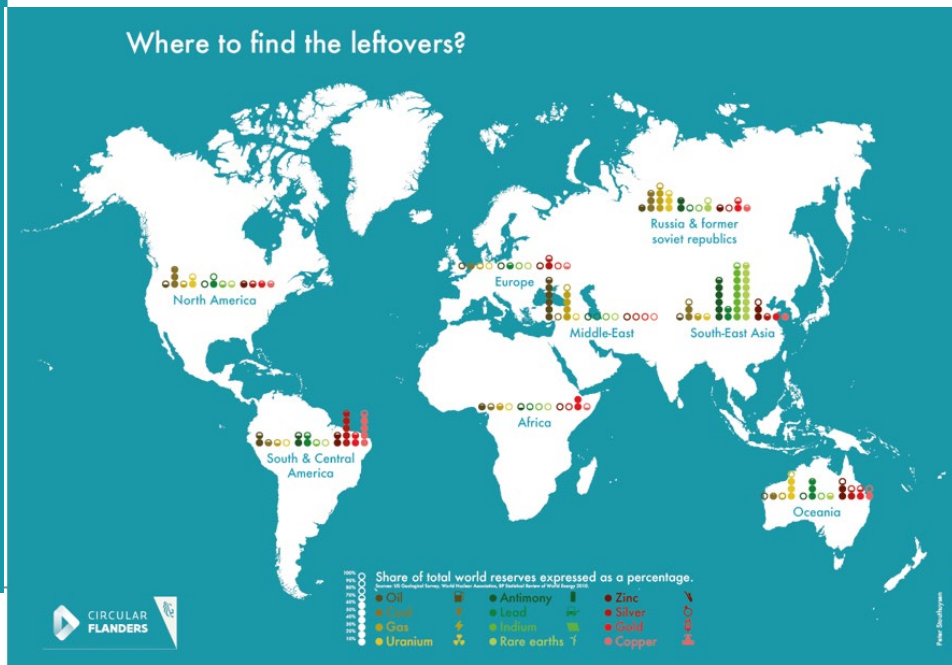
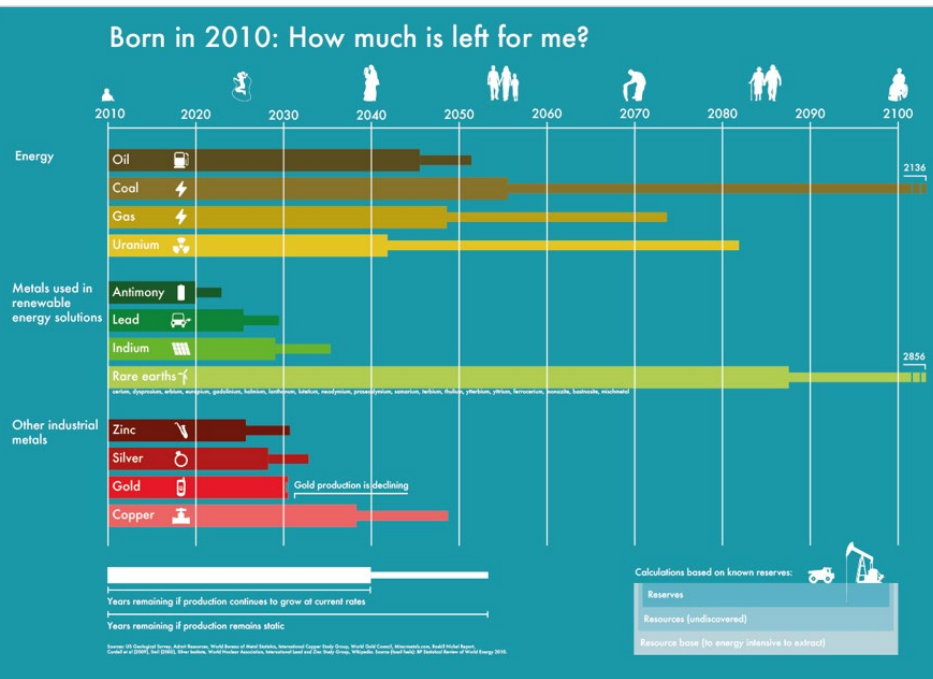
TAKING  
**COOPERATION**  
FORWARD

 09.04.2020

 **Circular economy in Maribor, Slovenia**

 Igor Kos, WCYCLE Institute Maribor [igor.kos@wcycle.com](mailto:igor.kos@wcycle.com)

# WHY CIRCULAR ECONOMY??





- **Maribor** is the capital of the province of Styria and the second largest city in the country with 115.000 inhabitants
- It is a pleasant small 850 year old university town set in the beautiful surroundings of Pohorje hills on one side and the wine hills on the other, divided by the river Drava
- It is the economic and cultural center of northeastern Slovenia with rich industrial history
- It offers a diverse and high-quality tourist services, a clean environment and the highest quality of natural water





**Energetika Maribor d.o.o. – District Heating**



**Snaga d.o.o.- Waste management**



**Mariborski vodovod d.d. – Water supply**



**Nigrad d.d. – Construction**



**Marprom d.o.o. – Public transport**

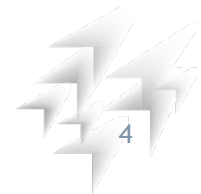


**ESTABLISHED APRIL 2017**

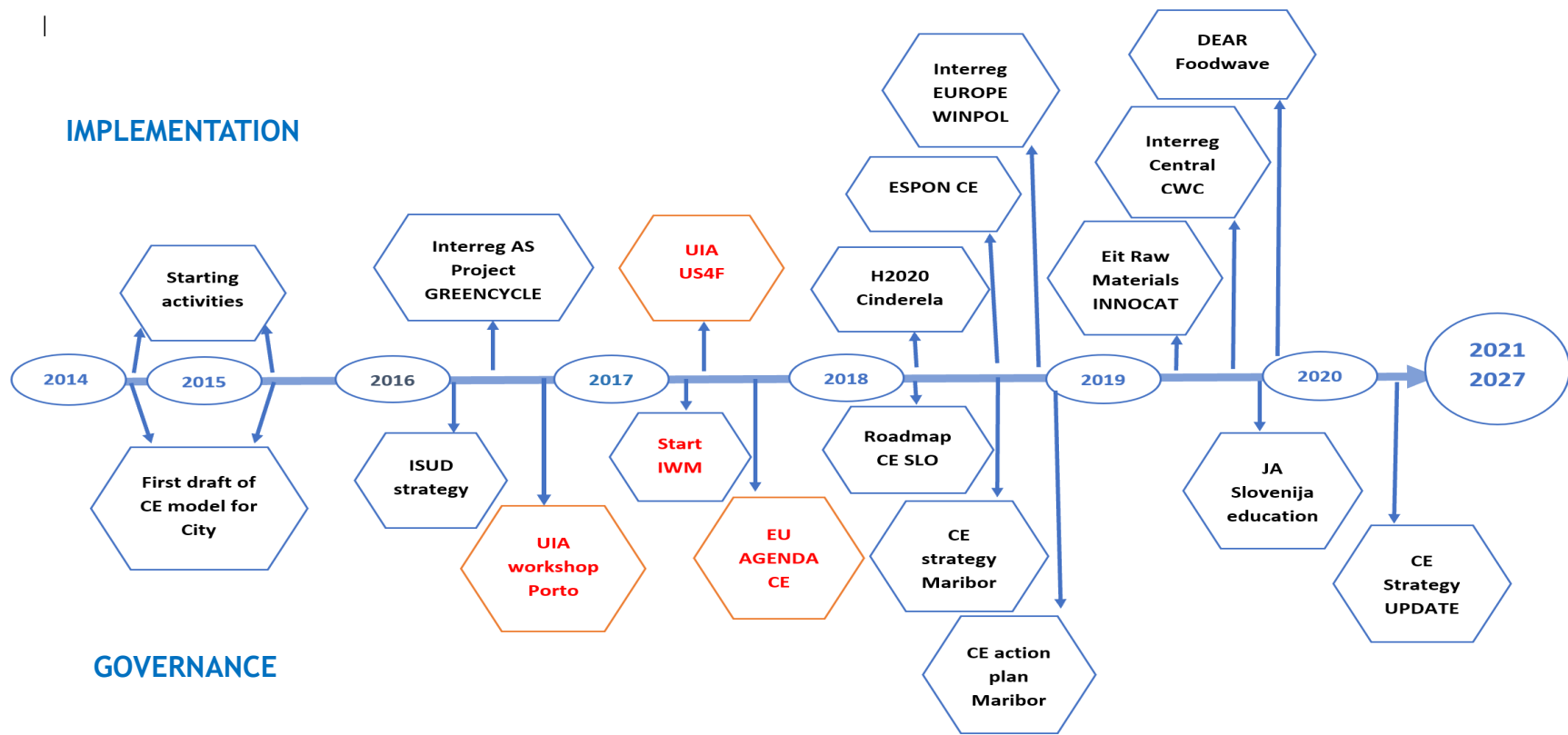
**5 EMPLOYES**

**FROM EACH COMPANY THAT  
ESTABLISHED INSTITUT  
EMPLOYES FROM R&D  
DEPARTMENT ARE INVOLVED**

**WORKING GROPU HAS 12  
MEMBERS**



# TIMELINE OF CIRCULAR ECONOMY DEVELOPMENT IN MARIBOR



# STRATEGY FOR THE TRANSITION TO CIRCULAR ECONOMY IN THE MUNICIPALITY OF MARIBOR

Prepared by: **Wcycle Institute Maribor**  
Maribor, July 2018



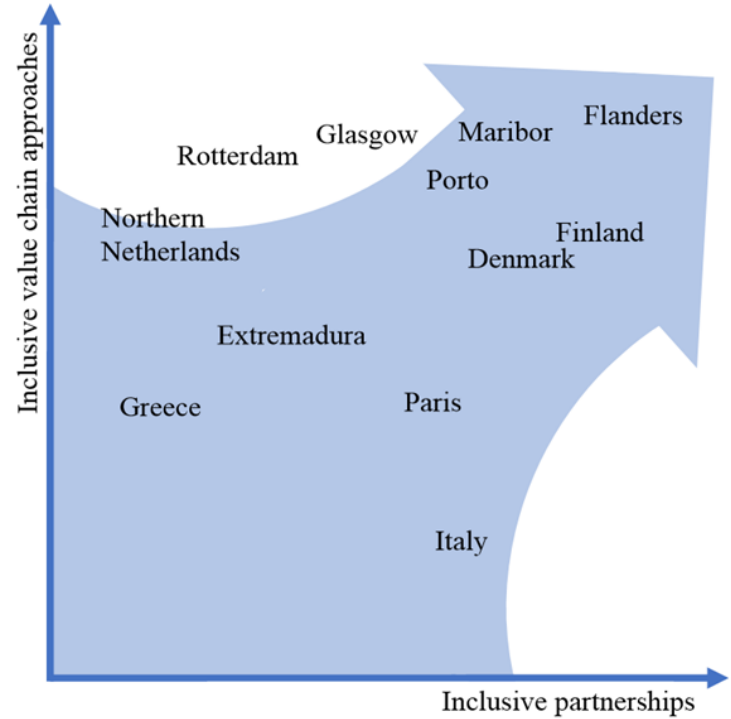
**Interreg**  
Alpine Space  
GREENCYCLE



[https://circulareconomy.europa.eu/platform/sites/default/files/strategy\\_wcycle\\_final.pdf](https://circulareconomy.europa.eu/platform/sites/default/files/strategy_wcycle_final.pdf)



Figure 3.4 Inclusiveness of circular economy strategies

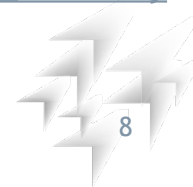


Source: Spatial Foresight, 2019

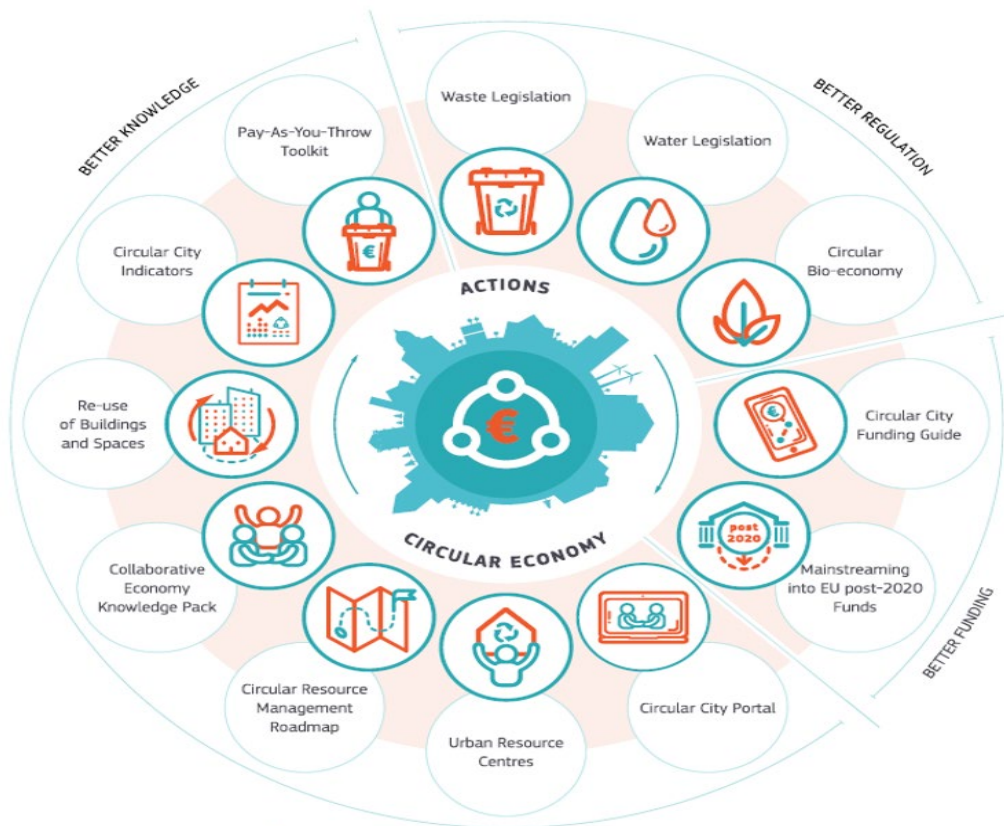




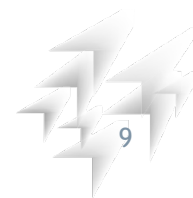
[https://circulareconomy.europa.eu/platform/sites/default/files/roadmap\\_towards\\_the\\_circular\\_economy\\_in\\_slovenia.pdf](https://circulareconomy.europa.eu/platform/sites/default/files/roadmap_towards_the_circular_economy_in_slovenia.pdf)





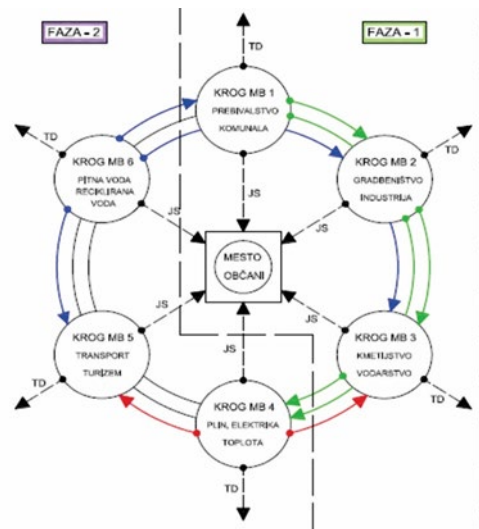


**EU AGENDA PARTNERSHIP  
FOR CIRCULAR ECONOMY**  
[HTTPS://EC.EUROPA.EU/FU  
TURIU/EN/CIRCULAR-  
ECONOMY](https://ec.europa.eu/futurium/en/circular-economy)

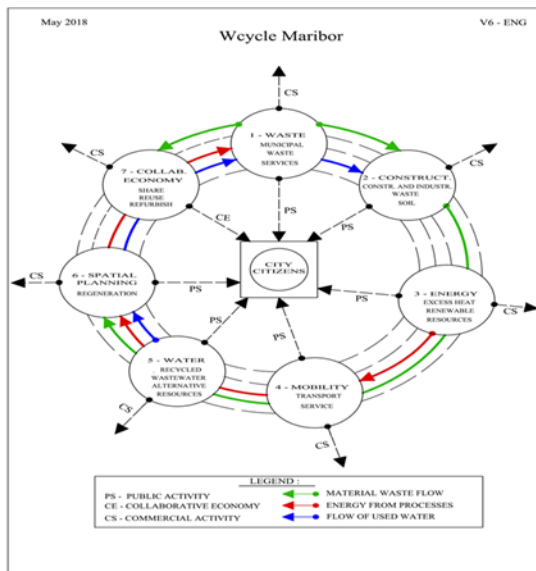


# DEVELOPMENT OF CE MODEL IN MARIBOR

## SUD 2016



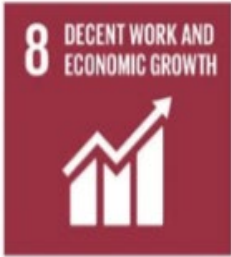
## SKG 2018



## Update SKG 2020







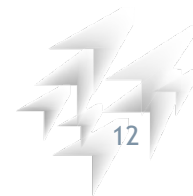
## PROJECT GREENCYCLE

**Interreg**  
**Alpine Space**  
**GREENCYCLE**  
EUROPEAN REGIONAL DEVELOPMENT FUND



The aim of the GREENCYCLE project was to introduce a circular economy system as an integrated approach to support the implementation of low carbon strategies and to provide an additional 2-4% reduction in greenhouse gas emissions in partner cities.

<https://www.alpine-space.eu/projects/greencycle/en/home>

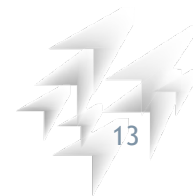




**Urban  
soil  
4 food**

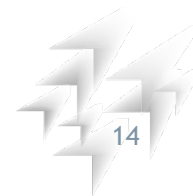
Establishing innovative economic circles in the urban environment to increase local food self-sufficiency and reduce the environmental footprint.

<https://www.uia-initiative.eu/en/uia-cities/maribor>



The CINDERELA project aims to untap potential of construction and demolition waste by developing and demonstrating a new business model (CinderCEBM) to assist companies in setting up successful circular economy business cases based on waste-to-resource opportunities.

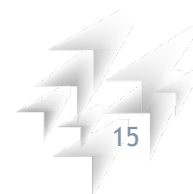
<https://www.cinderela.eu/The-project>





The CWC project aims to help municipalities to reform outdated urban water infrastructure systems via applying a circular economy approach, which offers many economic and environmental benefits. This will be achieved by the project by promoting a water saving culture, including the use of non-conventional water resources and by taking the lead in adopting urban rainwater harvesting and utilisation as well as greywater recovery measures on city level.

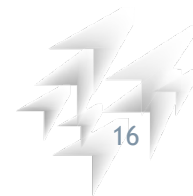
<https://www.interreg-central.eu/Content.Node/CWC.html>





Improving policies for waste management so that they increasingly foster and promote the use of intelligent equipment and planning derived of it, significantly contributing to waste minimisation in European cities and regions, through improved management procedures and awareness campaigns.

<https://www.interregeurope.eu/winpol/>





working together is essential part of  
Circular economy  
so that  $1+1+1 > 3$   
thank you for your attention

