

Circular Innovation and Resilient City Labs in the Adrion Region

WORK PACKAGE T3

DELIVERABLE T3.2.1

CIRCLab Camp Report

Public Institution REDEA

June 2022'

Introduction

CIRCLabs (Circular Innovation Resilient Cities Labs) are urban laboratories which focus on the creation and implementation of circular models through innovation processes in the field of waste management. The main goal of the CIRCLabs is to design and test circular models focused on 4 pilot fields, i.e. industrial symbiosis, organic waste, WEEE and CDW, and transfer and exchange knowledge about circular principles in ADRION region.

The CIRCLab Camp is an event. It can be a stand-alone event or be part of wider initiative related to the same matter (e.g. the European week for waste reduction, Ecomondo fair, the Labelab event). The CIRCLab Camp must take place in an innovative format, mixing training and key-note speeches with collaborative exchange, and designed to ensure its full effectiveness. Its characteristics (animation, key-speakers, presence of facilitators and experts) have to be guaranteed in all the regional editions.

The aim is to ease knowledge on the results and further promote the urban labs and the circular approach to waste management.

Preparation of CIRCLab Camp in Međimurje County – “CIRCLab Međimurje”

CIRCLab camp Međimurje was held as two day event. It was held on 10th and 11th of May 2022. On the first day we had a lecture and an interactive workshop from two experts in waste management and circular economy field. We got engagement of a diversified public, from the scientific to the citizen level. On the second day of the CIRCLab camp we organized study visit to the leading waste management company in Croatia – C.I.O.S. group in Zagreb.

Despite the difficulties due to the continuing pandemic of Covid, it was still decided to organize the event in person and not online.

Some considerations were taken into account in the organization:

- In organizing the Camp the indications contained in the document "Transnational CIRCLab camp design" (Deliverable T3.1.2) have been followed.
- Since we had “template” on how to organize camp from Municipality of Forli (they were the first one that held CIRCLAB camp), we just upgrade it to our needs in Međimurje.
- Our main intention was to gather all relevant stakeholders, but we also wanted participation of students so we made collaboration with The Polytechnic of Međimurje in Čakovec. Around 20 students from the department of Sustainable Development participated.

Communication

The holding of the CIRCLab Camp was communicated through a series of initiatives:

- Facebook post
- Sending an email to the email address of Circlab stakeholders
- Communication with the Polytechnic of Međimurje (via email and private meetings)
- Tv coverage – press statements;
- Several local media published article about our event

Camp Program

The Camp program was as follows:

May 10th 2022. – Professional lectures – Mrs. Sanja Kalambura and Mrs. Aleksandra Anić Vučinić

8.30 – 9.00 *Gathering, welcome speech*

First part of the lecture - Associate Professor Aleksandra Anić Vučinić, Faculty of Geotechnics, University of Zagreb

9.00 – 10.30 *Circular economy, situation in Croatia, home composting*

10.30 – 10.40 *Coffee break*

Second part of the lecture - izv.prof.dr.sc. associate professor Sanja Kalambura, University of Applied Science Velika Gorica, Faculty of Natural Science, University of Zagreb

10.40 - 12.10 *Waste management - primary separation, plastics and microplastics*

12.10 – 13.00 *Lunch break*

13.00 – 14.00 *interactive workshop (creative methods of turning plastic waste into final product)*

Location: The Polytechnic of Međimurje in Čakovec

May 11th 2022. – Study visit CE-ZA-R Ltd. Recycling center Zagreb

Location: Ul. Josipa Lončara 15, 10090, Zagreb - <https://cios-grupa.com/>

Considerations

Since we already participated at the first CIRCLab camp in Forly, Italy that was organized by our partner Municipality of Forly, we got insight and experience from them. Our main focus was to involve multiple stakeholders from different branches, and we also wanted students to participate. Having that in mind, we collaborate with the Polytechnic of Međimurje in Čakovec, and their students from the department of sustainable development joined us.

The objective of CIRCLab camp organization was to make it known to other realities, organizations, institutions to encourage them to start their own CIRCLab. On the first day of the camp, we organized expert lecturers. Mrs. Sanja Kalambura and Mrs. Aleksandra Anić Vučinić are experts in their field of work – circular economy and waste management. They are well known about their knowledge and expertise so they cooperate with our ministries and higher institution in creation of strategic documents and guidelines in the field of waste management and circular economy. Having that in mind, participants were very interested in their lecture and workshop that was part of the day one. We prepared an evaluation questionnaire for our participants so that they can rate the event, organization, lecturers and so on. The outcome of the questionnaire was that participants were very satisfied with the selection of the lecturers, topics that were covered and

the whole organization in total. Interactive workshop was also very interesting to all of them since it was conceived in such a way that the participants painted with acrylic paints on old waste glasses lenses that would have ended up in the trash, and in this way they become unique brooches. Creator of this workshop, Mrs. Sanja Kalambura got National Geographic award for this project and initiative.

The second day was also very interesting since we organized study visit for our stakeholders. Our main intention was to visit example of good practice, so we visited one of the main company in waste management in Croatia and in the region. We visited C.I.O.S. group, to be more precise, CE-ZA-R Ltd., Recycling Centre Zagreb. Our participants were thrilled, full of enthusiasm and eager to learn something more about them. .

The negative note of this event was, in fact, the low participation of audiences outside the project itself, mostly at the first day of the CIRCLab camp. The responsibilities were identified in a communication that should have been much more effective

In any case, the satisfaction questionnaires (see Annex 1) distributed during the event, and to which 35 people have chosen to respond, show a high level of satisfaction of the initiative (see Annex 2).

Annex 1 – fulfilled questionnaires for 1st day



EVALUACIJSKI UPITNIK

CIRCLAB KAMP - 10. 5. 2022. – stručna predavanja

1. Molimo Vas da ocijenite organizaciju prvog dana CIRCLab kampa sukladno navedenoj ljestvici:
 - Izuzetno sam zadovoljan/na
 - Vrlo zadovoljan/na
 - Zadovoljan/na
 - Ne tako zadovoljan/na
 - Uopće nisam zadovoljan/na
2. Molimo Vas da ocijenite koliko ste bili zadovoljni sadržajem CIRCLab kampa:
 - Izuzetno sam zadovoljan/na
 - Vrlo zadovoljan/na
 - Zadovoljan/na
 - Ne tako zadovoljan/na
 - Uopće nisam zadovoljan/na
3. Molimo Vas da ocijenite koliko su Vam teme radionice/sadržaj bile korisne:
 - Izuzetno korisne
 - Vrlo korisne
 - Donekle korisne
 - Ne baš korisne
 - Uopće nisu bile korisne
4. Molimo Vas da ocijenite koliko ste zadovoljni odabirom predavačica:
 - Izuzetno sam zadovoljan/na
 - Vrlo zadovoljan/na
 - Zadovoljan/na
 - Ne tako zadovoljan/na
 - Uopće nisam zadovoljan/na
5. Molimo Vas da ocijenite koliko ste zadovoljni s prezentacijskim vještinama predavačica:
 - Izuzetno sam zadovoljan/na
 - Vrlo zadovoljan/na



- Zadovoljan/na
- Ne tako zadovoljan/na
- Uopće nisam zadovoljan/na

6. Molimo Vas da ocijenite koliko ste zadovoljni sadržajem interaktivne radionice:

- Izuzetno sam zadovoljan/na
- Vrlo zadovoljan/na
- Zadovoljan/na
- Ne tako zadovoljan/na
- Uopće nisam zadovoljan/na

CIRCLAB KAMP - 11. 5. 2022. – studijski posjet CE – ZA - R d.o.o.

1. Molimo Vas da ocijenite Vaše zadovoljstvo s organizacijom studijskog putovanja:

- Izuzetno sam zadovoljan/na
- Vrlo zadovoljan/na
- Zadovoljan/na
- Ne tako zadovoljan/na
- Uopće nisam zadovoljan/na

2. Molimo Vas da ocijenite Vaše zadovoljstvo s održanim studijskim putovanjem:

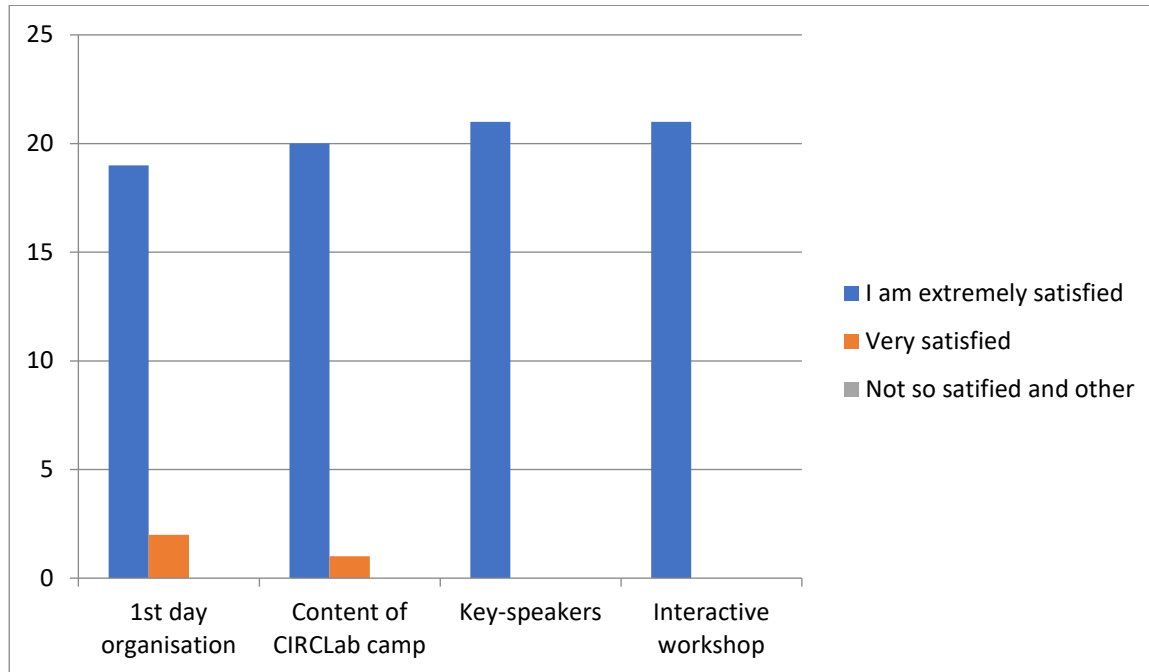
- Izuzetno sam zadovoljan/na
- Vrlo zadovoljan/na
- Zadovoljan/na
- Ne tako zadovoljan/na
- Uopće nisam zadovoljan/na

3. Molimo Vas da ocijenite Vaše zadovoljstvo s odabirom posjećenog primjera dobre prakse – tvrtke CE – ZA – R d.o.o.:

- Izuzetno sam zadovoljan/na
- Vrlo zadovoljan/na
- Zadovoljan/na
- Ne tako zadovoljan/na
- Uopće nisam zadovoljan/n

Annex 2

Results of the Questionnaire (35 responses in total – 21 for 1st day, 14 for 2nd day)



Source: Public Institution REDEA - chart about participants' satisfaction with CIRCLab organisation day 1, speakers, interactive workshop etc.

As can be seen from the questionnaire analytics, participants were extremely satisfied with the CIRCLab camp organisation and with the content / themes of the lectures. They were also very satisfied with the key note speakers, Mrs. Sanja Kalmbura and Mrs. Aleksandra Anić Vučinić. Interactive workshop gained big interest from participants what can be seen from pictures and final products - unique brooches made from waste lenses (picture 1. and 2.)

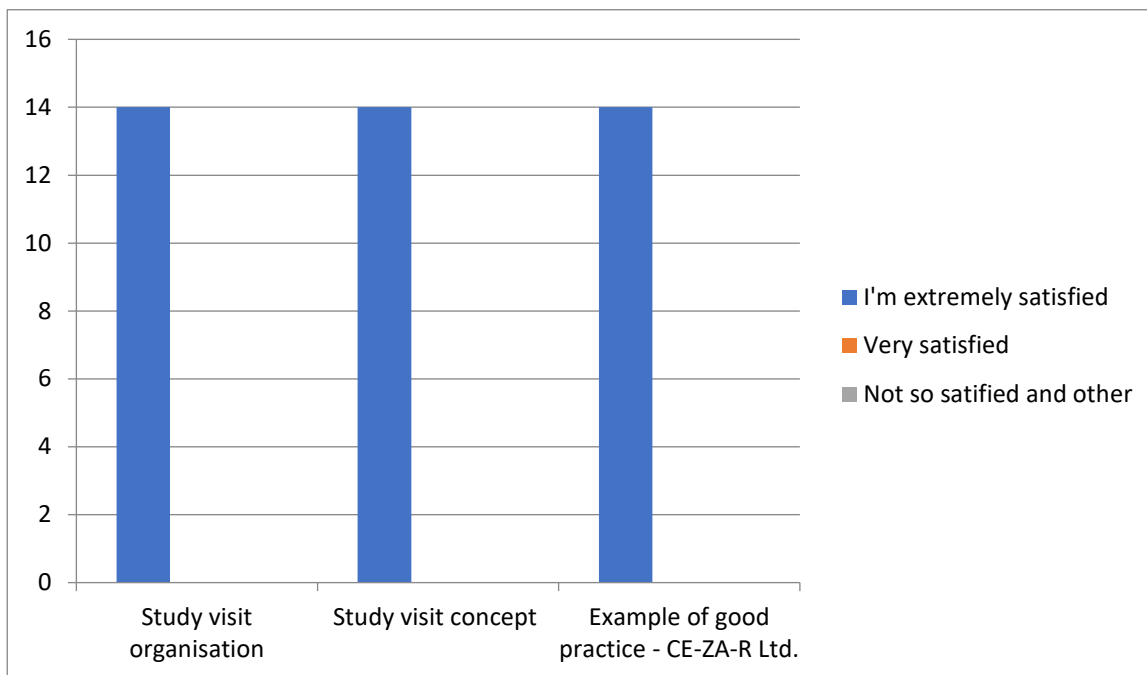


Picture 1. – Participants paint with acrylic paints on waste lenses



Picture 2. – Final product: unique brooches!

Results of the Questionnaire (35 responses in total – 21 for 1st day, 14 for 2nd day)



Source: Public Institution REDEA - chart about participants' satisfaction with CIRCLab organisation day 2, study visit, example of good practice.

Responses that we got from our participants on study visit, clearly shows that they were extremely satisfied with the organisation and our choice for example of good practice - **CE-ZA-R Ltd.**

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