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CURE+

CENTRES FOR URBAN RESOURCES, REUSE AND REMANUFACTURE

Capacity Building Material Overview

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TARTU

Contents

1. Brief overview of the CURE+ project

The project “Centres for Urban Resources, Reuse and Remanufacture (CURE+)” aimed to improve the management of construction and demolition waste generated by households through reuse and repair respecting the principles of the circular economy. To do so, the main objective of the project was to learn from CE best practices, specifically focusing on Urban Resource Centres (URCs) to implement them in pilots in the 4 partner cities of Riga, Tartu, Kavala and Barcelona. The project was financed by the European Climate Initiative (EUKI) of the German Federal Ministry for Economic Affairs and Climate Action (BMWK) and lead by the Riga Energy Agency, in cooperation with the Tartu City Government, Municipality of Kavala, Amsterdam University of Applied Sciences and Elisava Barcelona School of Engineering and Design.

The overall project outcome was structured with five Work Packages (WP), each focused on their main output, as shown in Table 1.

Outcome Direct outcomes of the CURE+ project are related to the sensitization of the local authorities and relevant local stakeholders for a joint action towards the shift to: ∉ improved CE-based CDW management practises in 4 CURE+ municipalities; ∉ improved knowledge and increased capacities of municipal staff and relevant local stakeholders to plan, design, and implement CE measures, as well as to formulate adequate climate mitigation policies; ∉ improved transnational collaboration and exchange on the best CE practices among Baltic and Southern European municipalities.				
WP1 **Established Networks**	**WP2** **Baseline Study**	**WP3** **Capacity Building**	**WP4** **Pilots**	**WP5** **Policy Recommendations**
Output I Networks have been established among the 4 municipalities, and their ecosystems of local stakeholders’ networks	**Output II** Baseline studies on CDW for each municipality have been conducted	**Output III** Capacity building programme for municipal and local actors has been developed and imparted	**Output IV** Four community-centred CE business models have been developed & piloted in actual urban conditions	**Output V** Policy recommendations have been developed

Table 1: CURE+ Project general outcome, work packages and their outputs.

This document explains what Capacity Building Material was developed under WP3 and is intended to help readers better navigate the documentation to learn about the CE best practices observed during the CURE+ project.

1.1. Work Package III: Capacity Building

The project contemplated a capacity building program, aimed to the people that would be involved in implementing the pilots in the project cities, as well as some relevant external partners identified through the baseline study from WP2.

The activities corresponding to output III: Capacity building, were described as follows in the project proposal:

> ***Capacity-building programme developed/delivered that includes:***
>
> - *Questionnaires and Interviews to evaluate existing knowledge and needs. This will be the starting point to start developing the capacity-building programme.*
> - *Interactive training sessions on specific topics (analysing circular building's lifecycle actions, analysing & assessing material flows, CE business models around waste streams, finance of urban resource/repair centres, organisational design, and management, regulatory issues).*
> - *Study visits to best practice cities to be defined in the baseline study.*
> - *Co-creation sessions for local stakeholders.*
> - *Peer2peer exchanges online, every 2-3 months (to be decided based on need), where one partner presents updates, relevant topics. We can also have them with experts.*
>
> ***Activity (A III.1): Train-the-trainers***
>
> *Designing and organising training sessions, following the "train-the-trainers" approach - interactive training sessions on specific topics (such as analysing circular building's lifecycle actions, analysing & assessing material flows, CE business models around waste streams, finance of urban resource/repair centres, organisational design, and management, regulatory issues, etc.).*
>
> *Making the material developed for these training sessions widely available through the CURE+ web platforms.*
>
> ***Activity (A III.2): Study visits***
>
> - *Study visits to best practice cities to be defined in the baseline study.*
> - *Document the study visits and participants' insights from them.*
>
> ***Activity (A III.3): Co-creation sessions***
>
> *Designing and organising co-creation interactive training sessions for local stakeholders using participatory design methodology. The sessions will include:*

- *A training section where results from the best practices study and baseline report for each city are presented and*
- *An interactive workshop where local stakeholders co-create CE practices and associated business models for their city to pilot on CDW.*

Executing this plan during the project, the study visits (Activity III.1) were done in January and February of 2024, before the train the trainers (Activity III.2). This allowed to integrate the knowledge gathered during the study visits into the training material. Activity III.2 was carried out as a series of three online webinars, in March, April and June of 2024. The co-creation sessions of Activity III.3, were carried out by each partner city after the train the trainers were concluded, translating the knowledge collected from Activities III.1 and III.2 into the local languages, to help the local stakeholders co-create how to implement their own pilot activities.

Section 2 presents an overview of the URCs identified in the project, with the type of documentation available for each one. The co-creation sessions are not covered by this document since they have been done in the local languages and are a part of the development of the pilots developed in WP4.

2. URCs Overview

Figure 1 presents the complete list of the URCs covered during the CURE+ project. The pdf with the active links to each URC is the document Overview of URCs contacted.

The first URCs visited in the CURE+ project were examples visited during the second partner meeting in Barcelona. Even if they were not well-established frontrunning URCs and did not handle Construction and Demolition Waste (CDW), they served as a first approximation to what type of centres the project partners were interested in. The only documentation from these locations are the pictures taken during the visits.

In preparation for the partner meeting in Barcelona, the project team compiled a list of all the URCs they knew and could find information about, combining them into the document Initial Mapping URCs, that included pictures and short information for each case. A total of twenty-six example cases were collected by the project team and plotted onto a map to define the two study visits that the project team would do to learn from the best examples.

The study visits were done to 9 frontrunner URCs located in the Netherlands in January 2024, and Denmark and Sweden, in February 2024 (highlighted in Figure 1). For each of these visits the project team, plus the external actors invited to the visits, took individual notes using a paper template. These notes were then combined into collective notes for each URC visited, that was then put into a URC description template. These templates can be found in the Frontrunner URC Templates folder. Additionally, an empty editable URC description template is made available in the same folder for other actors to use if desired.

#	Name	Location	Web page	Initial Mapping	Visit	Webinar
1	Vollebekk Fabrikker	Oslo, Norway	https://www.vollebekkfabrikker.no/	Yes		
2	RLab	Porto, Portugal		Yes		
3	Recycling stations - Big – 3; Medium – 2; Mini – 9; Mini mobile.	Oslo, Norway	https://www.oslo.kommune.no/english/waste-and-recycling/recycling-stations/	Yes		
4	48-er Tandler	Vienna, Austria	https://48ertandler.wien.gv.at/	Yes		
5	OPO'Lab	Porto, Portugal	http://www.opolab.com/	Yes		
6	Made in Moerwijk	The Hague, Netherlands	https://www.madeinmoerwijk.nl/	Yes		
7	Center ponovne uporabe (CPU) Slovenia - Centre for Re-use Slovenia	8 Re-use centres and 3 Repair cafés in Slovenia	http://www.cpu-reuse.com/	Yes		2
8	De Kringwinkel - a network of re-use centers	Flanders, Belgium	https://www.dekringwinkel.be/index.html	Yes		
9	Reparatur Netzwerk - a network of over 80 small- and medium-sized enterprises	Vienna, Austria	https://www.reparaturnetzwerk.at/	Yes		
10	Grönne Gengbrugshal (Green Reuse Hall)	Copenhaguen, Denmark	https://www.gronnehal.dk/	Yes	2nd SV	
11	Resirkula	Oslo, Norway	https://www.resirkula.no/english/	Yes		
12	ReTuna	Eskilstuna, Sweden	https://www.retuna.se/om-oss/	Yes		
13	Återbruket (part of the Recycling Park Alelyckan)	Gothenburg, Sweden	goteborg.se/aterbruket	Yes	2nd SV	1
14	Material mafia	Berlin, Germany	https://www.material-mafia.net/	Yes		
15	Fab Lab Berlin	Berlin, Germany	https://www.fablab-berlin.org/	Yes		
16	Fixoteket	3 spaces in Gothenburg, Sweden	https://bostadsbolaget.se/	Yes	2nd SV	
17	Cykelköket	Gothenburg, Sweden	https://www.cykelkoket.org/	Yes		
18	Bike kitchen north east	Berlin, Germany	https://bikekitchennortheast.wordpress.com/	Yes		
19	RotorDC	Brussels, Belgium	https://rotordc.com/	Yes		2
20	Haus der materialisierung	Berlin, Germany	https://hausdermaterialisierung.org/	Yes		2
21	Guldminen	Copenhaguen, Denmark		Yes		
22	Malmö Återbyggdepå	Malmo, Sweden	https://www.malmoabd.se/	Yes	2nd SV	
23	Halle 2	Munich, Germany	https://www.awm-muenchen.de/vermeiden/halle-2	Yes		
24	Sydhavn recycling centre	Copenhagen, Denmark	https://youtu.be/-Nv46qGN08s?si=J-IdnUNpHdNpk7c	Yes	2nd SV	
25	Peterspladsen	Copenhagen, Denmark	https://youtu.be/kGnfMSw3Wl4?si=wnAF4I8JnVbO1TTD	Yes		
26	Résidence. La Grande Halle. Marseille.	Marseille, France	https://www.lareservedesarts.org/en_GB/residence-marseille	Yes		
27	De Terugwinning	Woerden, The Netherlands	https://www.deterugwinning.nl/		1st SV	1
28	Hof van Cartesius	Utrecht	https://www.hofvancartesius.nl/		1st SV	
29	Refunc / Maakhaven	The Hague, Netherlands	https://refunc.nl/people/maakhaven/		1st SV	
30	Vermlandsgade Recycling Centre	Copenhagen, Denmark	www.a-r-c.dk		2nd SV	
31	La Fabrica del Sol	Barcelona, Spain	ateneu-la-fabrica-del-sol		2nd PM	
32	Transfolab	Barcelona, Spain	https://www.transfolabbcn.com/		2nd PM	
33	Viladecans Recycling Center	Viladecans, Spain	viladecans.cat/ca/deixalleriamunicipal		2nd PM	
34	Paranduskelder (Repair Basement)	Tartu, Estonia	https://paranda.ee/en/		3rd PM	
35	Tartu Ringkasutuspank (Construction material reuse bank)	Tartu, Estonia	https://tartu.ee/et/ringkasutuspank		3rd PM	
36	HER project, Rotterdam Circulair	Rotterdam, the Netherlands	https://rotterdamcirculair.nl/de-her			3
37	Recurs Urbans	Barcelona, Spain	https://www.recursosurbans.com/			3

SV: Study Visit
PM: Partner Meetings

Figure 1: Overview of the URCs contacted in the CURE+ project.

The Train-the-Trainers webinars allowed us to share the knowledge that was being gathered with a wider audience. In the 2nd and 3rd webinar we invited managers from URCs that the project could not visit in person, adding information about more examples. The agendas and the presentation slides all webinars can be found in the folder Train-the-Trainer webinars, together with videos for the presentations done in the 2nd and 3rd webinar.

Finally, during the third partner meeting in Tartu, in October 2024, two additional URCs were visited as part of the scheduled activities, in addition to seeing the space where the Tartu pilot was being established. Description templates for each of the 4 pilots can be found in the folder Pilot URCs.