



Horizon 2020
Programme

CICERONE

Coordination and Support Action (CSA)

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Proceedings of Workshop #2

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Summary

One of the main objectives of the CICERONE project is to establish a sustainable platform facilitating joint programming for circular economy involving stakeholders into a wide-scale consultation process. In this respect, the second CICERONE stakeholder workshop on "Funding the Circular Economy" took place in Berlin on November 20th, back to the event "Berlin Circular Tour" organised with local institutions. This deliverable is a summary of the implementation of this workshop. The insights received from the stakeholders will be used for developing the draft SRIA (Strategic Research and Innovation Agenda) which is one of the main deliverables of the project.

Approval

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EXECUTIVE SUMMARY

One of the main objectives of the CICERONE project is to establish a sustainable platform facilitating joint programming for circular economy involving stakeholders into a wide-scale consultation process. In this respect, the second CICERONE stakeholder workshop on “Funding the Circular Economy” took place in Berlin on November 20th, back to the event “Berlin Circular Tour” organised with local institutions. This deliverable is a summary of the implementation of this workshop. The insights received from the stakeholders will be used for developing the draft SRIA (Strategic Research and Innovation Agenda) which is one of the main deliverables of the project.

KEYWORDS

Sustainable innovation, Circular economy, Environment, resources and sustainability, Public sector innovation, sustainability, SRIA, programme owners.

1 INTRODUCTION

The design and establishment of a platform facilitating joint programming for research and innovation (R&I) in the field of circular economy is one of the main objectives of CICERONE. Work Package (WP4) is dedicated to Stakeholder Engagement. Organising workshops with Stakeholders is one way to enhance exchange between the project consortium and the Stakeholders and establish lasting relationship and engagement.

Three Stakeholders workshops are planned in the project lifetime. The first stakeholder workshop titled “Circular Europe: the future of circular economy programming” was held on 26 February 2019 in conjunction with the World Resources Forum conference in Antwerp. It has been documented in the report “D4.5 Proceedings of Workshop #1”.

This report gives a description of the second CICERONE stakeholder workshop, called “Funding the Circular Economy”, which took place in Berlin on November 20th, back to the event “Berlin Circular Day”.

Many CICERONE project partners were involved in the organisation and implementation of this event. Local Organisers were Project Management Jülich / Forschungszentrum Jülich GmbH (JÜLICH) and Geokompetenzzentrum Freiberg e.V. (GKZ).

1.1 Objective and expected outputs

Four key challenge areas of Circular Economy were identified by the CICERONE project partners: Urban areas, Industrial systems, Value chain and Territory and Sea.

In addition to these challenges, the project has defined research and innovation pilots considering the priority themes on circular economy: raw materials, water, waste, plastic, chemicals, food, construction and demolition, and biomass and biotechnologies.

As for the first workshop in Antwerp overall objective of this workshop was to determine the research and innovation needs and pathways for joint programming for research and innovation supporting circular economy from the stakeholder’s perspective. This knowledge will be fed into the main deliverables of the project, Circular Economy Strategic Research and Innovation Agenda (SRIA), which responds to the research needs of national and regional programme owners in Europe and aims to align European, national and regional as well as private research and innovation efforts; as well as the stakeholder platform dedicated to this topic that is being developed in parallel.

Desired outputs of the workshop were:

- Validate circular economy key objectives and **innovation fields** at European level. CICERONE Partners responsible for this content were ENEA and IVL.
- Challenge and validate the **policy toolkit** for circular economy financing. CICERONE Partner responsible for this content was CEPS.
- Develop and test a **joint programming platform** for funders of circular economy programmes. CICERONE Partners responsible for this content are VTT and LGI.

2 BERLIN CIRCULAR DAY (DAY 01)

The first day of the meeting was organised together with two local institutions: Berlin Partner and the Weißensee Art academy Berlin. Both supported actively the activities proposed: a visit of four circular sites in Berlin (Berlin Circular Tour) followed by an evening event on Circular Design including a Networking Reception.

Berlin Circular Tour

Participants had the choice between two tours by bus organised and sponsored by Berlin Partner (detailed agenda: see annex 1).

The first tour with focus on WASTE began with the visit of Haus der Materialisierung / Haus der Statistik, a new community-based initiative on re-use and upcycling, followed by a guided tour of a mechanical-physical stabilisation plant of Berlin Cleaning City Company (BSR).



Figure 1: Views of Haus der Materialisierung

The second tour addressed CONSTRUCTION & DEMOLITION with a visit of Wood Market Area, a community-based urban initiative on building and living, followed by an introduction to the Berlin Cradle to Cradle Lab.

Circular Design and Networking Reception

Weißensee Art Academy Berlin welcomed the participants for the last station of the Berlin Circular Day with a focus on circular design. After a warm welcome by Leonie Baumann, President of Weißensee Art Academy Berlin, as well as by Sibylle Kubale und Hannes Lebert, Berlin Partner, an introduction on Berlin Circular Initiatives was given by Dina Padalkina, Circular Berlin.

CICERONE project partners JÜLICH and C-KIC gave information on Strategies and funding activities on CE in Germany and an introduction to CICERONE.

Prof. Dr. Zane Berzina, Co-Founder of Greenlab (Laboratory for Sustainable Design Strategies) Weißensee Art academy Berlin, introduced the Greenlab and the topic of circular design. Three examples of projects results on circular design at Greenlab were then presented by students in a very impressive way. A short exhibition of circular products from the student's works was available.



Figure 2: Welcome words by Berlin Partner and Weißensee Art academy Berlin
(Left: Sibylle Kubale and Hannes Lebert, Right: Prof. Dr. Zane Berzina)

The last presentation was made by Essie Johanna Glomb and addressed the new initiated Textile Prototyping Lab.

During the last part of the evening the participants had the opportunity to exchange and network during the reception.

All presentations can be seen on CICERONE project website.



Figure 3: Excerpts of presentations by Weißensee Art academy Berlin Students
(Left: from “fecal matters”, right: from “Anicca – the sense of impermanence & Cladophora”)

2.1 Stakeholder Workshop (Day 02), Location: MotionLab Berlin

The stakeholder Workshop took place on Day 02. It will be described in 2 WORKSHOP PROCEEDINGS.

2.2 Participants

In order to involve the most relevant stakeholders into this consultation process, persons in charge of setting the agenda or developing solutions towards implementation of circular economy. CICERONE took advantage of its stakeholder network completed by the project partner’s networks. Since the beginning of the project and through different activities like the first workshop in Antwerp and the online consultation during the summer, CICERONE has reached out a representative number of key experts in different countries and sectors. The project has established a stakeholder network

composed of programme owners & managers, research and technology institutions, NGOs, businesses and coordinators of relevant EU projects.

Around 70 participants attended Day 01, 80 were present on Day 02. On both days, in total, 110 participants from 20 countries were registered. 15 member states were represented as well as Serbia, Switzerland, USA, Singapore and Taiwan, associated project partner. Through this international workshop, CICERONE enhanced once again the visibility of the project among the Stakeholder community. On the other hand, many new and relevant stakeholders were engaged into the consultation process and into the CICERONE stakeholder network.

3 WORKSHOP PROCEEDINGS

3.1 Welcome Address & Key Notes

Cliona Howie, CICERONE coordinator, EIT Climate KIC, welcomed the participants and introduced the project. Three key notes linked to the first work package “Benchmark” followed.

Prof. Dr. Markus Reuter, Director Helmholtz Institute Freiberg for Resource Technology and Member of CICERONE Advisory Board, made appealed for more consideration of metallurgy as a key enabler of circular economy.

Britta Bookhagen, German Mineral Resources Agency, insisted on the role of raw materials for emerging technologies. Finally, Dr. Walker Hsin-Ta Hsueh, from CICERONE associated partner National Cheng Kung University, Taiwan, gave an overview of the development of circular economy in Taiwan showing many similarities with the situation in Europe.



Figure 4: Key notes by Britta Bookhagen (left) and Dr. Walker Hsin-Ta Hsueh, with Cliona Howie (right), MotionLab Berlin

After the welcome words and the key notes three sessions of stakeholder dialogue, one plenum session and later two sessions in parallel, each of them addressing a specific objective, followed.

3.2 Methodology

The methodology developed by EIT Climate KIC has been explained in the plenum. A short introduction for the methodological approach for the three sessions has been distributed in a printed booklet to all participants (see Annex II).

Plenum session: Session 1: What are the future research and innovation areas for circular economy in Europe?

Objective: Validate circular economy key objectives and innovation fields at European level (ENEA and IVL)

Over the last year CICERONE has been working with circular economy programme owners to better understand where they plan on investing future funding. This exercise is supporting the development of the European Commission Circular Economy Strategic Research & Innovation Agenda, which will create more alignment across the European territory and spark more collaboration and joint programming. Join this session to start building systemic and joint programmes for the circular economy across four challenges: Urban Areas, Industrial Systems, Value Chains and Territory & Sea.

Joint Programme Prototyping tool v1.0 CICERONE

Designed by EIT Climate-KIC Transitions Hub
Matti C., Martin Corvillo, J. M., Vivas Lahinde, I., Juan Aguiló, B., Stamate, E., Bauer, A., & Avella, G. (2019). Challenge-led system mapping: A knowledge management approach. Brussels: EIT Climate-KIC

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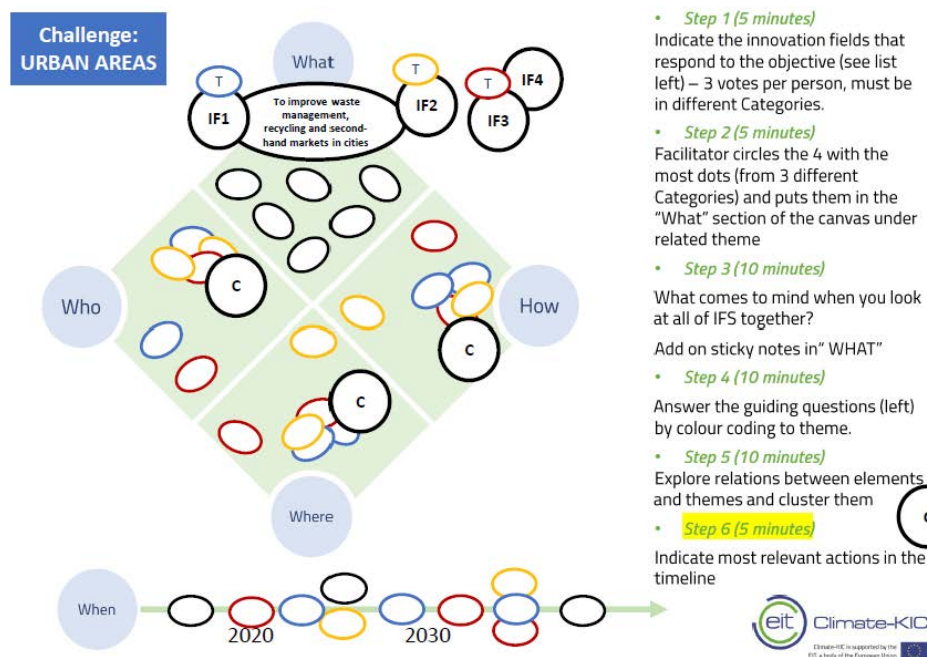


Figure 5: Session one: short description of the methodology (example Urban Areas)

Figure 6: Session one: results of one table



Figure 7: Session one: Explanations (left), In the middle of it (right)

First session in parallel: Session 2: Joining forces - working together to deliver stronger, more impactful projects

Objective: Challenge and validate the Policy Toolkit for circular economy financing (CEPS)

To increase collaboration across Europe, CICERONE is building a platform for joint programming of circular economy programmes, that will enable funders and practitioners to work together to create greater impact. Join this session to help build a lasting platform for circular economy collaboration, and discuss the potential characteristics and services it could offer to be key asset for programme funders.

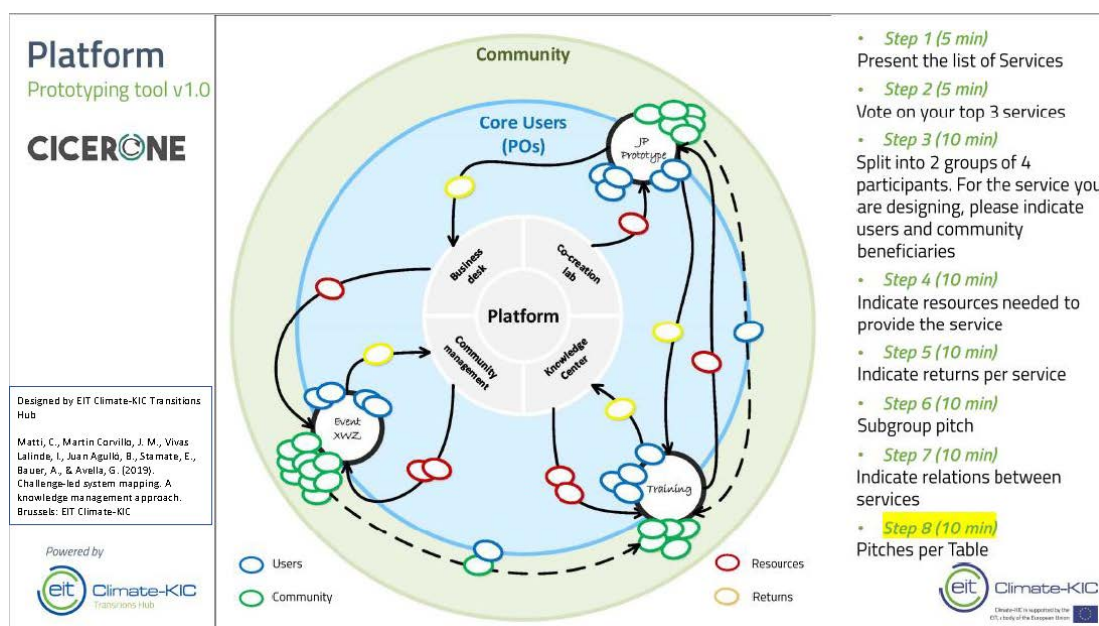


Figure 8: Session two: short description of the methodology

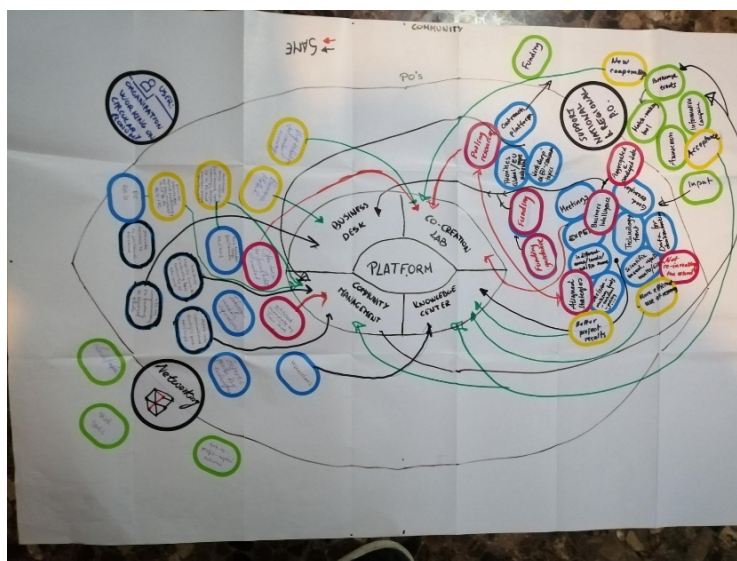


Figure 9: Session two: results of one table

Second session in parallel: Session 3: How can policy support the transition to more efficient Circular Economy programming?

Objective: Develop and test a joint programming platform for funders of circular economy programmes (VTT and LGI)

To determine the priorities of circular economy research and innovation policy in the EU, CICERONE is building a policy toolkit with clear recommendations and actions for policy-makers. This session will aim to seek out suggestions and feedback on the advancement of the policy toolkit, which is being created by a group of specialised stakeholders. Join this session to help identify policy barriers and help build the future policy toolkit for Circular Economy funding.

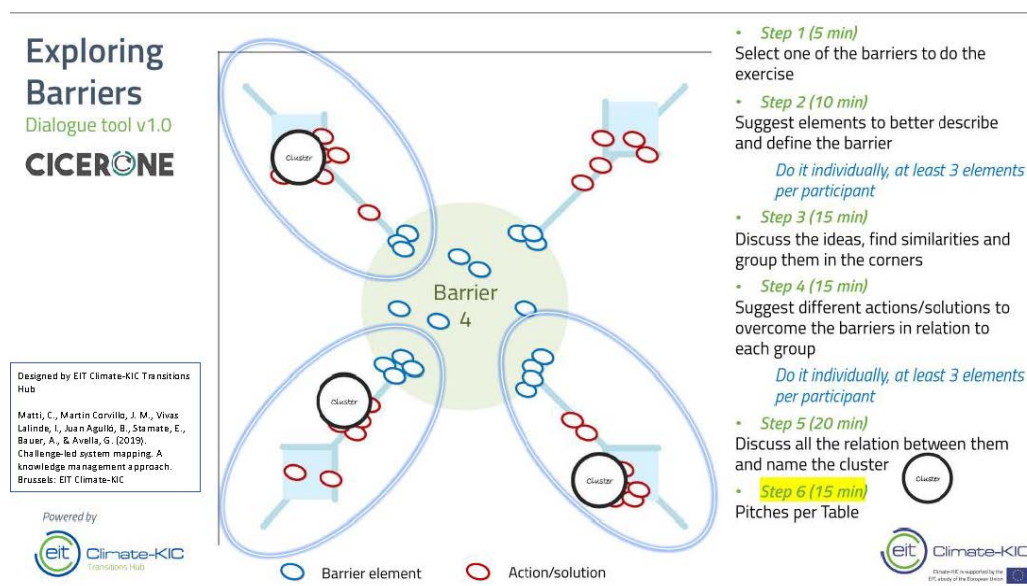


Figure 10: Session three: description of methodology

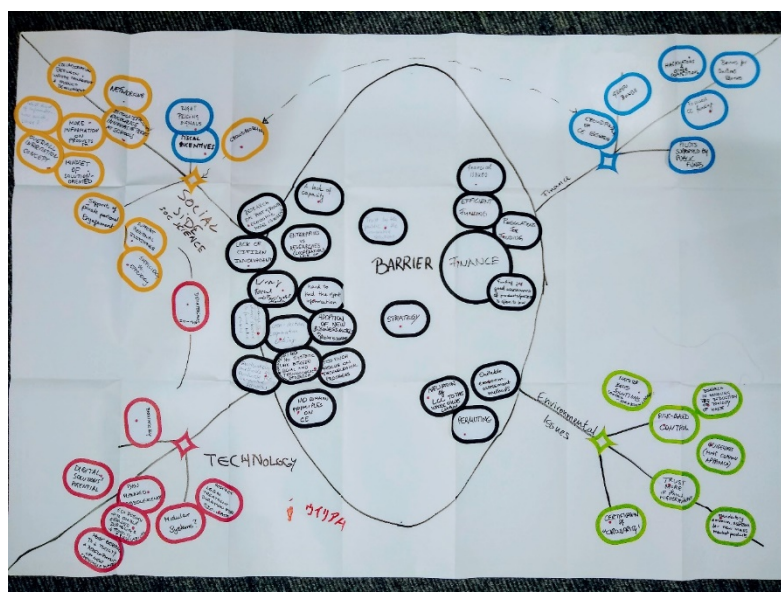


Figure 11: Session three: results of one table

4 FINAL CONCLUDING REMARKS

With more than 110 participants attending at least one day, the second CICERONE Stakeholder Workshop, which took place in Berlin from 19-20 November 2019 was a great success and a significant contribution to further exchange with CE stakeholders representing many branches and countries.

After a first day of visits and networking with a regional focus on Berlin and a technical focus on design, the workshop itself took place on day 02 at MotionLab Berlin, a working place for sustainable mobility.

Three key notes on raw materials and on CE in Taiwan gave insights in the results of work package 1 “benchmark” that ended in October 2019.

Three sessions were achieved in small groups moderated by skilled representatives from several project partners and using a methodology developed for this meeting. There was a rich collect of results from all groups and sessions as well as many comments and questions. The analysis of this input will be made in the next weeks. The results will be communicated to the participants and further interested stakeholders, integrated in different products of the project e.g. the SRIA and finally discussed with Programme Owners during the last step of this task.

The last CICERONE Stakeholder Workshop will take place on 6th of March 2020 in Brussels at CEPC Headquarters.

5 ANNEX I – WORKSHOP AGENDA

Day 01 : Berlin Circular Tour



DAY 01
Berlin Circular Tour
2:45PM

DAY 02
CICERONE Workshop
9AM - 4PM

Expert Tours

19th November, 2019

Berlin Partner for Business and Technology is delighted to invite you to a 3-hrs tour on circular economy projects in Berlin. During the tour you'll have the opportunity to learn about Berlin as a city of constant change and to discover various initiatives in the city dealing with waste, construction and demolition. Both tours start from Hotel Scandic, Potsdamer Platz, and will end at Kunsthochschule Weissenhof.

Expert Tour 1 „WASTE“

Hotel Scandic, Scandic Hotel Potsdamer Platz - Gabriele-Tergit-Promenade 19, 10963 Berlin

2:45 pm	Welcome & Check In
	Transfer
3:30 pm	House of Materialization @ House of Statistics The House of Materialization is being built in the centre of Berlin at Alexanderplatz on an area of 2500 square metres as part of the pioneer uses in the new model quarter House of Statistics. It serves as a practical laboratory for sustainable circular-flow economy for future users, the neighbourhood and urban society. In the building complex House of Statistics, a central location for ReUse, circular economy, repair and experiment - the House of Materialization - is being created.
4:15 pm	Transfer
4:45 pm	Berlin City Cleaning Company (BSR) Berlin's residual waste still contains a great deal of energy. In two plants for mechanical-physical stabilisation (MPS) the BSR produces substitute fuel for energy generation. With the MPS plant in the districts of Pankow, Berlin's residual waste is replaced by substitute fuel, the fossil energy source in power plants and industrial plants. The

	waste is first shredded and dried. Some materials, such as metals, are discharged and recycled. This enables us to recycle 8,000 tons of metals each year. The high-quality substitute fuel serves as a climate-friendly alternative to lignite in power or cement plants, for example. The plant can produce around 100,000 tonnes of this "green" fuel per year.
5:30 pm	Transfer
5:45 pm	Arrival at location for evening event

Expert Tour 2 „Construction & Demolition“

Hotel Scandic, Scandic Hotel Potsdamer Platz - Gabriele-Tergit-Promenade 19, 10963 Berlin

2:45 pm	Welcome & Check In
	Transfer
3:15 pm	Area of Wood Market Berlin (Holzmarkt Berlin) The wood market is not just a street in Berlin with an eventful history. The name represents future and program: On the timber market the initiators think nature, economy and culture together. „For us, sustainability and change are not a contradiction in terms. We create a tension between modern architecture and a timber market in the sense of the word. New technologies and craftsmanship are fertilizing each other. The timber market leaves room for something new and does not remain static. We want to create values, experiment, learn at a unique place worth living in.“
4:15 pm	Transfer
4:30 pm	Cradle to Cradle LAB The C2C LAB in Berlin is the world's first comprehensive inventory refurbishment according to Cradle to Cradle criteria and makes it a tangible and practical experience as an educational centre, NGO office and real laboratory. As a quality and innovation driver in Berlin, it sets new standards for innovations and for a genuine recycling economy. The C2C LAB offers workshops, lectures, panel discussions etc. for all age groups and all levels of knowledge.
5:30 pm	Transfer
5:45 pm	Arrival at location for evening event

Day 01 : Circular Design and Networking Reception



DAY 01

Berlin Circular Tour

2:45 PM

DAY 02

CICERONE Workshop

9 AM - 4 PM

Agenda: Funding the Circular Economy

Organised by [CICERONE H2020 \(Projektträger Jülich & GKZ e.V.\)](#)

In collaboration with [Berlin Partner](#) and the [Weißensee Art Academy Berlin](#)

Date: 19 November 2019

Location: Weißensee Art Academy Berlin, Germany

Circular design & networking reception

with support from the [Weißensee Art Academy Berlin](#)

Location: Weißensee Art Academy Berlin - Bühringstraße 20, 13086 Berlin

- 18:00 Circular design & Berlin circular initiatives
- **Welcome** - Leonie Baumann, President (Weißensee Art Academy Berlin)
 - **Introduction** - Sibylle Kubale & Hannes Lebert (Berlin Partner for Business and Technology)
 - **Highlights of circular economy in Berlin** – Dina Padalkina (Circular Berlin)
 - **Overview of Circular Economy strategies and funding initiatives in Germany** – Dr. Jean-Francois Renault (Projektträger Jülich, Forschungszentrum Jülich GmbH)
 - **CICERONE – Strategy and Platform for a European Circular Economy** – Thomas Wagner (EIT Climate-KIC)
 - **Introduction greenlab and Circular Design** - Prof. Dr. Zane Berzina, Prof. Susanne Schwarz-Raacke, greenlab - Laboratory for Sustainable Design Strategies, Weißensee Art Academy Berlin
 - **greenlab project results on circular design**
 - Anicca – the sense of impermanence & Cladophora** - Malu Lücking, Juni Neyenhuys, in collaboration with TU Berlin
 - REwoodable - turning saw dust into new shapes** - Esther Stögerer, Nicole Dietz, Tilman Holz, in collaboration with Fraunhofer-Institut für Holzforschung WKI, Lignin und biobasierte Klebstoffe
 - Fecal Matters – turning used material into usable materials** - Nicholas Plunkett, Lobke Beckfeld, Melissa Kramer, Elisabetta Goltermann, in cooperation with Cellvation B.V. | CirTec B.V. and Textile Prototyping Lab
 - PLASTICULA, Beyond Plastic** - Jannis Kempkens, in cooperation with Precious Plastic
 - **Textile Prototyping Lab - A Platform and Open Laboratory for the Promotion of Open Innovation and Networking between Research, Design and Industry** - Essi Johanna Glomb, DXM - Design and Experimental Material Research / Weißensee Art Academy Berlin
- 19:30 Networking drinks & canapés

Day 02 : CICERONE Workshop



DAY 01
Berlin Circular Tour
2:45 PM

DAY 02
CICERONE Workshop
9 AM - 4 PM

Workshop agenda: Funding the Circular Economy

Organised by [CICERONE H2020](#) (Projektträger Jülich & GKZ e.V.)

in collaboration with [Berlin Partner](#) and the [Weißensee Art Academy Berlin](#)

Date: 20 November 2019

Location: MotionLab Berlin, Germany

CICERONE WORKSHOP

organised by [CICERONE H2020](#) with support from [Berlin Partner](#)

Location: MotionLab Berlin - Halle 20, Bouchéstraße 12, 12435 Berlin

09:00 Registration & Coffee

09:30 Welcome & Keynotes

- Welcome and introduction to CICERONE – Cliona Howie (EIT Climate-KIC)
- Metallurgy as the key enabler in Circular Economy, and bottlenecks by REACH and other policies on metal banning – Markus Reuter (Helmholtz Institute Freiberg for Resource Technology)
- Raw Materials for emerging technologies - Britta Bookhagen (German Mineral Resources Agency, DERA)
- Circular Economy Development in Taiwan – Walker Hsin-Ta Hsueh (National Cheng Kung University, Taiwan)

10:30 Session 1: What are the future research and innovation areas for circular economy in Europe?

Over the last year CICERONE has been working with circular economy programme owners to better understand where they plan on investing future funding. This exercise is supporting the development of the European



DAY 01

Berlin Circular Tour

2:45 PM

DAY 02

CICERONE Workshop

9 AM - 4 PM

Commission Circular Economy Strategic Research & Innovation Agenda, that will create more alignment across the European territory and spark more collaboration and joint programming. [Join this session to start building systemic and joint programmes for the circular economy across four challenges: Urban Areas, Industrial Systems, Value Chains and Territory & Sea.](#)

12:00 *Lunch*

13:00 *[Parallel sessions]*

Session 2: Joining forces - working together to deliver stronger, more impactful projects

To increase collaboration across Europe, CICERONE is building a platform for joint programming of circular economy programmes, that will enable funders and practitioners to work together to create greater impact. [Join this session to help build a lasting platform for circular economy collaboration, and discuss the potential characteristics and services it could offer to be a key asset for programme funders.](#)

Session 3: How can policy support the transition to more efficient Circular Economy programming?

To determine the priorities of circular economy research and innovation policy in the EU, CICERONE is building a policy toolkit with clear recommendations and actions for policy-makers. This session will aim to seek out suggestions and feedback on the advancement of the policy toolkit, which is being created by a group of specialised stakeholders. [Join this session to help identify policy barriers and help build the future policy toolkit for Circular Economy funding.](#)

14:30 *Coffee Break*

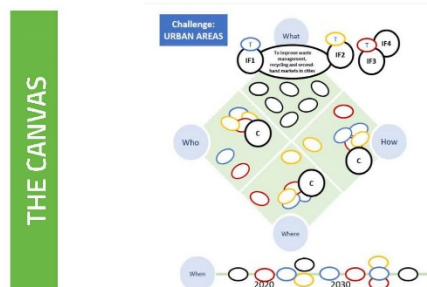
15:00 **Summary of parallel sessions**

15:30 **Conclusions and closing**

6 ANNEX II – METHODOLOGY BOOKLET

Session 1

Objective: Build systemic and joint circular economy programmes across various thematic areas



Step 1: Indicate the innovation fields that respond to the objective (see list on board) – 3 votes per person (use sticky dots), must be in different thematic areas.

Step 2: Facilitator circles the 4 with most votes (from 3 different themes) and puts them in the "What" section of the canvas with their related theme

Step 3: What comes to mind when you look at all of innovation fields together, for example sectors, activities? Add on sticky notes in "What"

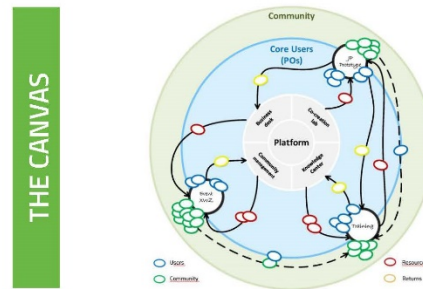
Step 4: Answer the guiding questions by colour coding to theme: Who, How, Where

Step 5: Explore relations between elements and themes and cluster them

Step 6: Indicate most relevant actions in the timeline "When"

Session 2

Objective: Define the key services a joint programming platform for circular economy can offer



Step 1: Presentation of the list of Services (on board)

Step 2: Vote on your top 3 services (use sticky dots)

Step 3: Split into 2 groups of 4 participants. For the service you are designing, please indicate **users** and **community** beneficiaries

Step 4: Indicate **resources** needed to provide the service

Step 5: Indicate **returns** per service

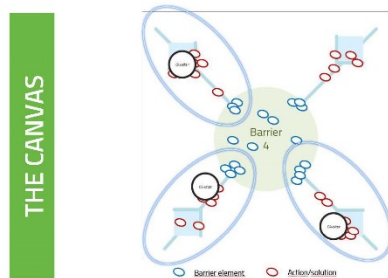
Step 6: Subgroup pitch

Step 7: Indicate relations between services

Step 8: Pitches per table

Session 3

Objective: Identify key barriers and challenges that hinder joint programming and funding for circular economy



Step 1: Select one of the barriers to do the exercise

Step 2: Suggest elements to better describe and define the barrier. Do it individually, at least 3 elements per participant

Step 3: Discuss the ideas, find similarities and group them in the corners

Step 4: Suggest different actions/solutions to overcome the barriers in relation to each group. Do it individually, at least 3 elements per participant

Step 5: Discuss all the relation between them and name the cluster

Step 6: Pitches per Table



Workshop sessions steps

The EIT Climate-KIC Transitions Hub is a policy-oriented in-house lab unit located in Brussels since 2015, where we enable interactions with key EU organisations, policy-makers and external experts in fields such as sustainability transitions & system innovation, EU/regional policy and circular economy. We embrace the complexity of applying system innovation to climate change and make it accessible and useful for practitioners and policy-making processes.

Designed by EIT Climate-KIC Transitions Hub

Matti, C., Martín Corvillo, J. M., Vivas Lalinde, I., Juan Aguiló, B., Stamate, E., Bauer, A., & Avela, G. (2019). Challenge-led system mapping: A knowledge management approach. Brussels: EIT Climate-KIC.