

**Project Acronym: Cradle-Alp****Project number: ASP0100003**

## **D.1.1.2**

# **Good practices and lessons learned**

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## Executive Summary

This deliverable documents the results of the collection of existing practices supporting the implementation of the cradle-2-cradle principles and a circular economy in general, as identified by the project partners.

The objective of the documentation was to provide a sufficient understanding of the practice described for capacity building within the partnership and further appreciation of its potential capitalization in the framework of Cradle-Alp.

Over 50 practices were identified in the 3 main areas covered by the project:

- Policies and business support
- Technologies
- Business models

The document provides a structured overview as well as a full package of the practices documented.

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## 1. Introduction to the Cradle-Alp project

Cradle-ALP aims for mainstreaming cradle to cradle (C2C) approaches, circular design and circular substitutions (from the alpine region) for linear products in industrial processes, in different industrial sectors. The Alpine Space has many natural resources and the technologies to substitute fossil raw materials and toxic substances from production with circular and environmentally friendly alternatives. This should lead to the fact that materials and products can be led back into a healthy cycle after use. The focus of this project shall be on the substitution of chemical and fossil based/unsustainable materials with more circular, sustainable and bio-degradable ones.

First, the partners will build a broad awareness and understanding in the public, the relevant industries as well as among stakeholders from policy and innovation intermediaries, for the opportunities, barriers and mechanisms of the transformation of industrial products towards higher circularity by means of C2C approaches, circular design and circular substitutions. Business support providers shall be trained to accompany the transformation of businesses along more circular value chains.

In a second step, the partners will explore in details and test opportunities for implementing C2C approaches, circular design and circular substitutions along specific value chains in the chemistry/plastics and wood/forestry sectors supported by digital technologies. Building on a thorough multidimensional (technology, policy, economy, etc.) roadmapping exercise, transnational groupings of stakeholders – including businesses – will be installed, with the aim to transfer the C2C roadmaps into industrial practice along exemplary value chains.

Finally, the partners will work towards ensuring a transnational policy convergence towards transnational S4 strategies in the priority sectors of the project and initiate common cross border funding instruments for the industrial C2C transformation.

## 2. Good practices and lessons learned in Cradle-Alp - Overview

The collection of good practices and lessons learned from previous projects and activities within and outside the Alpine Space is part of the first activity in Cradle-ALP, which aims at establishing a knowledge pool for potential further capitalization in the framework of the project. It goes hand in hand with the establishment of a transnational expert support group.

The activity was implemented according to the following steps:

### 1. Design of a template and guidelines for the collection of good practices and lessons learned

During the first weeks of the project a template and guidelines for the collection of good practices and lessons learned was drafted by the activity leader TZ Horb and discussed with the partners at the online kick-off meeting on 16.12.2022.

This was the starting point for the identification and collection of relevant input by the partners.

### 2. Identification and documentation of good practices by the partners

The identification and documentation of good practices by the partners in the dimensions policies and business support, technologies and business models took place from 16.12.2022 until 17.03.2023, shortly before the first capitalization workshop on

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21.03.2023, where the content was presented and discussed.

The objective of the documentation was to provide a sufficient understanding of the practice described for capacity building within the partnership and further appreciation of its potential capitalization in the framework of Cradle-ALP, not for publication or further use outside of the partnership.

### 3. Clustering of the good practices identified

In order to enable an easier grasp of the knowledge collected, the practices were clustered within the dimensions policies and business support, technologies and business models were clustered in sub-categories, thus providing a basis for their evaluation with respect to further capitalisation.

The following table shows the classification of good practices used:

<b>Policies and business support</b>	<b>Technologies</b>	<b>Business models and practices</b>
<ul style="list-style-type: none"><li>▪ Model regions</li><li>▪ Handbooks, guidelines, factsheets</li><li>▪ Agencies and stakeholder platforms</li><li>▪ Awareness campaigns</li><li>▪ Public funding schemes</li></ul>	<ul style="list-style-type: none"><li>▪ European and national strategic documents</li><li>▪ Ready to apply technologies</li><li>▪ Tools and guides</li></ul>	<ul style="list-style-type: none"><li>▪ Labels, certificates</li><li>▪ Circular economy marketplaces</li><li>▪ Supply chain traceability tools / Resources databases &amp; innovation platform</li><li>▪ Role model companies</li><li>▪ Industrial partnerships for specific material loops</li></ul>

In the following, the different categories of practices identified in the dimensions:

- Policies and business support
- Technologies
- Business models

are described. A full package of the practices documented is available in the annexes.

### 3. Policies and business support

The good practices identified within the dimension ‘policy / business support’ were regrouped into the following categories:

- Model regions
- Handbooks, guidelines, factsheets
- Agencies and stakeholder platforms
- Awareness campaigns
- Public funding schemes

The above categories have no claim of completeness. They are limited to items relevant to the scope and context of the Cradle-ALP project. Therefore, categories such as legislative measures or tax incentives for example are not mentioned.

In the following, the above-named categories are shortly described, and the respective documented good practices listed.

#### **Model regions**

A model region is a geographical area or cluster that serves as a demonstration site for the implementation of economic development and innovation policies. The concept of a model region is often used in the context of regional innovation strategies, where regions are encouraged to develop their own approaches to stimulate innovation and economic growth.

A model region typically has a well-defined economic focus, such as a specific industry or sector, and is chosen based on its potential to become a hub of innovation and growth. The region then receives targeted policy support, such as funding for research and development, investment in infrastructure, or training programs for entrepreneurs and small businesses.

The goal of creating a model region is to showcase the benefits of a particular approach to economic development and innovation, and to provide a roadmap for other regions to follow. By creating successful model regions, policymakers hope to inspire similar efforts elsewhere, and to stimulate broader economic growth and development.

Creating model regions can have several potential benefits for economic development and innovation policies:

1. Model regions provide a platform for experimentation and learning. By implementing policies and programs in a specific region, policymakers can test their effectiveness and make adjustments based on feedback and results. This approach allows for more targeted and tailored policies that can be better adapted to local conditions and needs.
2. Model regions can serve as showcases for best practices and success stories. By highlighting the successes of a particular region, policymakers can inspire other regions to adopt similar approaches and create a ripple effect of economic growth and innovation. This can also help to build momentum and support for innovation policies at the national or even global level.
3. Model regions can create a sense of competition and drive innovation across regions. By showcasing the successes of one region, other regions may be incentivized to step up their efforts and compete for resources and attention. This competition can spur

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innovation and create a culture of continuous improvement and experimentation.

4. Model regions can help to build networks and collaborations between stakeholders in the innovation ecosystem. By bringing together businesses, researchers, investors, and policymakers in a specific region, model regions can facilitate the exchange of knowledge and ideas and create a supportive ecosystem that fosters innovation and growth.

Overall, model regions can be powerful tools for economic development and innovation policies, helping to drive experimentation, learning, competition, and collaboration across regions.

### **Good practices identified:**

- New Strategies and Structures for a Cradle to Cradle (C2C) Model Region in the Northeast of Lower Saxony
- Model region Lüneburg, Germany
- Circular Economy Model Region Upper Austria

### **Handbooks, guidelines, factsheets**

Handbooks, guidelines and factsheets are well-know tools, which do not require much explanation. In the context of Cradle-Alp and the transformation towards a more circular economy, those tools typically address the following aspects:

- Describing the rationale for why circular economy / cradle to cradle is relevant.
- Identifying circular / cradle 3 cradle business models with highest value potential in specific sectors of the economy.
- Analyzing an highlighting different technologies (physical, digital, biological) and how they can contribute to implement circular / cradle 2 cradle business models.
- Outlining required organisational and operational changes.
- Providing a blueprint of a transformation journey for companies to achieve circular advantage, including relevant tools.

The partnership focused, according to the upcoming activities in the project, on practices addressing the transformation process of businesses towards circular / cradle 2 cradle business models as such, rather than to focus on specific single technologies.

### **Good practices identified:**

#### **For policy makers:**

- Delivering the circular economy: a toolkit for policymakers, EllenMac Arthur Foundation
- Roadmap for a circular economy, 50 measures, France
- Circular Economy Initiative Germany

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- Environmental policy approach (EPR) Toolbox for packaging
- Network C2C Regions in Germany - guideline on C2C oriented public procurement
- BioSinn - Factsheet for meaningfully biodegradable products
- MASDE, Valencia, Spain

### **For businesses:**

- C2C Bauleitfaden from C2C NGO
- CE Playbook SITRA, Finland
- Circular 4.0 Toolbox
- Guide for design of recycleable packaging
- Guide for the use of post-consumer recyclates

### **Circular economy agencies or hubs - Stakeholder platforms**

Circular economy agencies or hubs are still relatively rare. They can be compared in principle to energy agencies or digital hubs / digital innovation hubs, which are more familiar to the European landscape of business support organisations.

Typically, such organisations can cover a broad range of activities such as for instance:

- **Promotion of circular economy** by providing information and resources to local communities, businesses, and governments, and by encouraging the adoption of circular business models and practices.
- **Communication and outreach** to raise awareness of circular economy issues and to build support for related initiatives. This could involve developing public education campaigns, organizing events and workshops, and working with media outlets to share information and promote circular-related topics.
- **Policy development** by developing and implementing circular economy policies and plans at the regional level. This could involve conducting audits and assessments, developing action plans, and providing technical assistance to local governments and businesses.
- **Capacity building and training** by providing training and capacity-building programs to help local communities, businesses, and governments improve their circularity and adopt sustainable practices.
- **Stakeholder engagement and networking** by engaging with a wide range of stakeholders, including businesses, industry associations, environmental organizations, and government agencies. They may facilitate networking and collaboration between these stakeholders to promote circular initiatives and build support for circular policies and programs.
- **Research and innovation:** Circular economy agencies may conduct research and development activities to explore new energy technologies and solutions, and to identify emerging trends and best practices in circular economy. They may also collaborate with universities and research institutions to support innovation and knowledge transfer.

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- **Financing and funding:** Circular economy agencies may help to facilitate financing and funding opportunities for circular projects. They may work with financial institutions, investors, and other stakeholders to develop funding mechanisms and to connect project developers with financing options.
- **Monitoring and evaluation:** Circular economy agencies may be responsible for monitoring and evaluating the performance of circular projects and programs. This could involve tracking material consumption, assessing the effectiveness of circular policies and programs, and reporting on progress towards related goals.
- **International cooperation:** Circular economy agencies may work with other agencies and organizations at the national and international level to promote circular economy and to address global challenges. This could involve participating in international conferences and forums, collaborating with international partners on research and development initiatives, and supporting global circular economy policy and governance efforts.

Overall, circular economy agencies could become important tools for economic development and innovation policies, providing a focused and targeted approach to promoting sustainable growth and competitiveness in key sectors of the economy.

Stakeholder platforms for the circular economy / cradle to cradle are networks of relevant actors on the European, national, regional, or local level – depending on their focus. Their activities are similar in part to the ones of agencies or hubs, with a stronger focus on promotion, communication and outreach, stakeholder engagement and networking, policy development (lobbying) and capacity building. They can be fully bottom-up initiatives started by motivated actors or part of a concerted policy action.

### Good practices identified:

- Zero Waste Scotland
- ICESP-Italian Circular Stakeholder Platform

### Awareness campaigns

In the context of the collection of good practices for Cradle-Alp we have only focused on collecting awareness campaign practice which present an innovative character going significantly beyond the awareness activities already planned in the framework of Cradle-Alp (activity 1.3). Examples for large events were highlighted by the partners.

### Good practices identified:

- Thinkubator
- Labot Tempelhof

### Public funding schemes

While the activities on funding schemes in Cradle-Alp are focusing on transnational funding opportunities, the partners did collect some examples of funding schemes focusing on the circular economy transformation for SMEs: venture capital funds, voucher schemes, etc.

A more detailed comparative maps of local and national funds to trigger circularity in industry in the project regions will be performed later in the project, in the framework of the activity 3.3.

#### **Good practices identified:**

- European Circular Bioeconomy Fund
- Circular Economy Accelerator Programme, Scotland
- Circular Economy Investment Fund, Scotland
- Waldfonds, Austria
- FTI-Initiative Kreislaufwirtschaft, Austria

## 4. Technologies

The good practices identified within the dimension ‘policy / business support’ were regrouped into the following categories:

- European and national strategic documents
- Ready to apply technologies
- Tools and guides

The above categories have no claim of completeness. They are limited to items relevant to the scope and context of the Cradle-ALP project.

In the following, the above-named categories are shortly described, and the respective documented good practices listed.

### European and national strategic documents

The initial collections of documents performed by the partners showed that a number of European and national strategic documents are providing input on mature and emerging technologies (or groups of technologies) which can contribute to the transformation of the economy towards a more circular and sustainable one. This includes products and business models building on the zero waste and cradle 2 cradle paradigms.

Some of those strategic documents have been identified by the partners at this initial stage of the project.

#### Good practices identified:

- ERA Industrial technology roadmap for circular technologies and business models in the textile, construction and energy-intensive industries
- Strategic Research and Innovation Plan for Safe and Sustainable Chemicals and Materials
- EU policy framework on biobased, biodegradable and compostable plastics from 30.11.2022
- European Green Deal: Putting an end to wasteful packaging, boosting reuse and recycling
- Technology Roadmap Sustainable Plastics Solutions, Upper Austria

### Ready to apply technologies

In addition to strategic documents highlighting the potential of specific technologies (or groups of technologies) for the circular transformation of the economy, the partners identified a series of specific technologies already proven or even in application.

While it is not possible to aim for an exhaustive list of such technologies, knowing of some of them can be useful for inspiration and possibly provide an initial spark for specific transformation projects. Examples for technologies directly relevant to the Cradle-ALP project

have been documented by the partners.

### **Good practices identified:**

- Tech4Biowaste database
- Tracer-Based Sorting with fluorescent markers, Polysecure GmbH
- BioOrmocere - barrier coating for packaging, Fraunhofer ISC
- Cooperation project: “Von der Fliege zum Fisch”/” From a fly to a fish”, Upper Austrian Food Cluster
- EnzATex – Recycling of polymers in textile industry, TCKT – Transfercenter für Kunststofftechnik
- SUN - Extraction of proteins from oil press cake, University of Applied Sciences Upper Austria
- Plasticpreneur, small-scale plastic recycling, Austria

### **Tools and guides**

In the framework of the analysis dimension technologies, tools and guides are mostly digital tools, which enable businesses to assess for instance the recyclability of their products, to estimate the ecological footprint of their activities, to identify suitable bio-based materials according to their requirements, etc.

In a first step some tools were identified in order to get an appreciation of the possibilities already on the market.

### **Good practices identified:**

- Biobase Kompass, Austria
- Plastics Recycling Guide, Transfer Center for Polymers, Austria
- Circularity compass, KIC Climate
- CHIRA - CHI Recyclability Assessment, Cyclos Institute, Germany
- Cyrculiteics, EllenMacArthur Foundation

## 5. Business models and practices

The good practices identified within the dimension ‘policy / business support’ were regrouped into the following categories:

- Labels, certificates
- Circular economy marketplaces
- Supply chain traceability tools / Resources databases & innovation platform
- Role model companies
- Industrial partnerships for specific material loops

The above categories have no claim of completeness. They are limited to items relevant to the scope and context of the Cradle-ALP project.

In the following, the above-named categories are shortly described, and the respective documented good practices listed.

### Labels, certificates

Labels and certificates are ways to document and promote the conformity of a product or service with specific terms of references or charter. They support the branding and promotion of products by giving them visibility and highlighting the properties represented by the label or the certificate. ‘Cradle2Cradle certified’ itself is a certification according to the standards defined by the Cradle-to-Cradle Products Innovation Institute.

There are other labels or certificates on the market aiming to promote the C2C principles and the circular economy in general. Some examples have been identified and documented.

#### **Good practices identified:**

- Cradle-2Cradle
- Eco Lighthouse
- Greenroom Voice (outdoor textiles)
- Eucartplast
- EMAS – Ecomanagement and audit Scheme

### Supply chain traceability tools, resources databases and innovation platforms - Circular economy marketplaces

This category of practices regroups a series of web-based applications, which support the transition towards circular products by:

- Helping to make materials traceable,
- Stimulate the exchanges / trading of materials, recyclates, etc.
- Facilitating the identification of partners along value chains to close materials loops

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- Facilitating the identification of (new) technologies helping to make production process more circular.

### Supply chain traceability:

#### Good practices identified:

- Circularise, Make Materials traceable through digitization (regulations, reporting, certificates, CO2 footprint). Netherlands.
- Circular, monitor inherited emissions from the supply chain, track materials and compliance using Blockchain technology. United Kingdom
- Digiprime - Digital Platform for Circular Economy in Cross-Sectorial Sustainable Value Networks)

### Circular economy marketplaces:

#### Good practices identified:

- Cirplus - Global marketplace for recyclates and plastic waste feedstock, Cirplus GmbH, Germany
- ACTIF, France
- Polymore, B2B-Online-market place for purchase and sale of compounds, master batches, recyclates and postindustrial residues in Europe. Digital business initiation based on intelligent matchmaking, Germany

### Innovation platforms:

#### Good practices identified:

- Open Access Facilities: Pilots4U - Database of multipurpose open access pilot & demo-infrastructure
- Value Chain Generator (VCG.AI) - Database of technology providers, material providers, value chain partners and circular solutions to connect stakeholders to share materials in circular economy.
- Federchimica – chemical research handbook, Italy

### Role model companies

There are companies which are already certified Cradle2Cradle or apply the cradle to cradle principles in different ways. Different models have been identified by the partners as good practices.

#### Good practices identified:

- Aliplast – plastic recycling, Italy

- Bergans – Outdoor textiles, Norway
- Biowert – grass-based biorefinery, Germany
- Favini – paper-based products, Italy
- Mixcycling – alternative materials to plastic, Italy
- Novamont - bioplastics and biochemicals, Italy
- Oviesso – textiles, Italy
- WayPointLight – chandeliers, Italy

### **Industrial partnerships for specific material loops**

The application of the cradle-to-cradle principles might be applied collectively by different businesses working jointly on closing specific materials loops. Some examples of such industrial partnerships have been identified by the partners.

#### **Good practices identified:**

- wear2wear™ textile loop, Germany
- ERDE agricultural plastics - Collection of agricultural films for closed loop, Austria

## **6. Conclusions**

The identification and documentation of good practice and lessons learned by the project partners enabled them to:

- Get aware of different approaches to promote circular economy and the application of the cradle-to-cradle principles from the different perspectives of policy makers, businesses and technology providers.
- Develop their understanding of the cradle-to-cradle approach in the broader context of the transition towards a circular economy.
- Identify and highlight relevant practices from their own regions.

The collection of good practices and lessons learned was a good preparation for the identification of approaches to be capitalized upon in the framework of Cradle-ALP

## **7. Annexes**

Short description of the good practices collected, as listed above in the core document.

<b>Name of the practice</b>	"New Strategies and Structures for a Cradle to Cradle (C2C) Model Region in the Northeast of Lower Saxony"				
<b>Good practice ,owner'</b>	Organisation name	Districts, regions (german: Landkreise)	Organisation type	Project	
	City Country	<ul style="list-style-type: none"> <li>• Lüneburg</li> <li>• Lüchow-Dannenberg</li> </ul> Germany	Website	<a href="https://www.landkreis-lueneburg.de/ueber-den-landkreis/politik-und-verwaltung/kreisentwicklung/cradle-to-cradle-modellregion.html">https://www.landkreis-lueneburg.de/ueber-den-landkreis/politik-und-verwaltung/kreisentwicklung/cradle-to-cradle-modellregion.html</a>	
	Contact	Adrian Wulf, Project Manager E-Mail: <a href="mailto:wulf@suederelbe.de">wulf@suederelbe.de</a> Phone: +49 4131 400-1021			
<b>Type of practice</b>	<input checked="" type="checkbox"/> Policy/business support	<input type="checkbox"/> Technology	<input type="checkbox"/> Business model		
<b>Sectoral relevance</b>	<input checked="" type="checkbox"/> No specific sectors	<input type="checkbox"/> Polymers/plastics	<input type="checkbox"/> Wood/furniture		
	<input type="checkbox"/> Chemistry/materials	<input type="checkbox"/> Fibres/textiles	<input type="checkbox"/> Packaging		
<b>Short description</b>	<p><b>Project</b>  Beginning of November 2021, the cross-county strategic regional development of the districts of Lüneburg and Lüchow-Dannenberg in the north-east of Lower Saxony started to promote the topic of <b>regional circular economy</b> with <b>Cradle to Cradle</b> in selected fields of strategic regional development (e.g. in the manufacturing industry and in the building sector).</p>  <p><b>Objective _ Sustainable production through innovative solutions</b></p> <p>The aim of the two year project is to develop a <b>regional innovation, transfer and sustainability strategy</b>. In this process, a regional development concept with a focus on regional circular economy will be created and implemented _ a <b>master plan for a Cradle to Cradle model region</b> which is aimed at the year 2035 is at the heart of efforts to transform north-eastern Lower Saxony into a model of the circular economy. Parts will already be implemented during the project period.</p> <p>The flagship project_ the establishment of a <b>Cradle to Cradle Lab</b> as a place for sustainability innovations _ is to push approaches for a C2C economy and the emergence of innovative projects in structurally weak areas.</p>				

	<p>The two districts are accompanying the project and the development of the master plan with their specialised departments for regional development and regional planning in order to ensure and promote long-term integration into the regional action strategies.</p> <p><b>Project partner</b></p> <ul style="list-style-type: none"> <li>- <a href="#">Landkreis Lüchow-Dannenberg</a></li> <li>- <a href="#">Landkreis Lüneburg</a></li> </ul> <p><b>Cooperation partner</b></p> <ul style="list-style-type: none"> <li>- <a href="#">Leuphana Universität Lüneburg</a></li> <li>- <a href="#">Technische Universität Hamburg</a></li> <li>- <a href="#">Wachstumsinitiative Süderelbe AG</a></li> </ul>			
<p><b>Evidence of success</b></p>	<p><b>News can be found <a href="#">here</a>:</b></p> <ul style="list-style-type: none"> <li>- The district of Lüneburg has received a mandate from politicians to develop a <b>sustainable procurement guideline according to the principles of "Cradle to Cradle"</b>. A working group in the district administration has started work. First results will be presented shortly.</li> <li>- The C2C model region has reported on <a href="#">26.01.2023</a> about its experiences in the <a href="#">network C2C regions</a>.</li> <li>- <b>Information events</b> will be held to present the project to the public and invite participation. An introduction for citizens on the topic "What is Cradle to Cradle" will take place on 20 March 2023. In addition, the question is: "How can everyone integrate aspects into everyday life, in associations and voluntary work?"</li> </ul>			
<p><b>Availability of the practice or tool</b></p>	<p>Is the practice or the tool accessible free of use?</p>	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
	<p>N/A</p>			
<p><b>Languages</b></p>	<p>In which language(s) is the tool available?</p>			
	<input type="checkbox"/> English	<input type="checkbox"/> French	<input checked="" type="checkbox"/> German	<input type="checkbox"/> Italian
<p><b>Further resources</b></p>	<p><input type="checkbox"/> Slovenian</p> <p><input type="checkbox"/> Others:</p> <p><b>Background</b></p> <p>With the programme <i>Shaping the Region</i> (Model Project: <i>Active Regional Development</i>), the <i>Federal Ministries of Housing, Urban Development and Building</i> and of the <i>Interior and Community</i>, in cooperation with the <i>Federal Institute for Research on Building, Urban Affairs and Spatial Development</i>, promote projects, especially in rural areas, for the testing, implementation and dissemination of innovative, forward-looking approaches to strategically improving regional working and living conditions.</p> <ul style="list-style-type: none"> <li>- <a href="https://www.region-gestalten.bund.de/Region/DE/vorhaben/aktive-regionalentwicklung/node.html">https://www.region-gestalten.bund.de/Region/DE/vorhaben/aktive-regionalentwicklung/node.html</a></li> <li>- <a href="https://www.region-gestalten.bund.de/Region/DE/news/2112/aktive-regionalentwicklung.html">https://www.region-gestalten.bund.de/Region/DE/news/2112/aktive-regionalentwicklung.html</a></li> </ul> <p><b>Prof. Dr. Michael Braungart ...</b></p> <ul style="list-style-type: none"> <li>- ... developed the Cradle to Cradle concept together with William McDonough. Braungart is - among other positions - also a professor at Leuphana University Lüneburg Professor of Eco-Design.</li> </ul> <p><b>Museum of the Future in Lüneburg</b></p> <ul style="list-style-type: none"> <li>- In Lüneburg, a <a href="#">Museum of the Future</a> is being developed that will carry the cradle-to-cradle idea further.</li> </ul>			

Name of the practice	<b>Network Cradle to Cradle Regions</b> within <i>Cradle to Cradle</i> NGO <b>Guidelines for strategic procurement according to Cradle to Cradle in municipal purchasing</b>					
Good practice ,owner'	Organisation name		Network C2C Regions		Organisation type	Interest groups including NGOs
	City Country		Berlin, Germany		Website	<a href="https://c2c-regionen.org/">https://c2c-regionen.org/</a>
	Contact		---			
Type of practice	<input checked="" type="checkbox"/>	Policy/business support	<input type="checkbox"/>	Technology	<input type="checkbox"/>	Business model
Sectoral relevance	<input checked="" type="checkbox"/>	No specific sectors	<input type="checkbox"/>	Polymers/plastics	<input type="checkbox"/>	Wood/furniture
	<input type="checkbox"/>	Chemistry/materials	<input type="checkbox"/>	Fibres/textiles	<input type="checkbox"/>	Packaging
Short description	<p><b>Network Cradle to Cradle Regions</b> within <i>Cradle to Cradle</i> NGO (cf. Evidence of success)</p>  <p>Dec. 2020 – launch of the <b>Network C2C Regions</b>. Local &amp; city governments meet innovative companies, research institutes &amp; civil society organisations - all with the goal of leaving a positive ecological footprint together.</p> <p>The <b>Network C2C Regions</b> is aimed at</p> <ul style="list-style-type: none"> <li>• <i>Cities &amp; municipalities</i> - that act in a climate and resource positive way and want to act and introduce C2C as a holistic guiding principle;</li> <li>• <i>Companies</i> - who already manufacture products according to the criteria of C2C, have aligned their business processes accordingly or want to be a demonstrable regional driver for C2C;</li> <li>• <i>Organisations</i> - such as foundations, associations, NGOs &amp; research institutions that want to actively participate in shaping a positive ecological footprint of entire communities.</li> </ul> <p>The <b>Network C2C Regions</b> offers ...</p> <ul style="list-style-type: none"> <li>- an <i>exchange platform</i> for expertise and knowledge; one voice, big impact - bundling of positions and representation of interests; potential for regional networking of companies, organisations and political actors; use of network logo for positioning the C2C commitment and integration on the network's website;</li> <li>- <i>practical implementation</i> - support of C2C projects through qualification, assistance &amp; communicative accompaniment;</li> <li>- <i>publications</i> - development and provision of guidelines, factsheets, formulation aids, case studies, etc.;</li> <li>- <i>events</i> - regular/annual network meetings; possible inclusion at C2C NGO events; thematic workshop series, roundtables and keynote speeches for network members; etc.</li> </ul> <p><b>Guidelines for strategic procurement according to C2C in municipal purchasing</b></p> <p>The following figures illustrate the need for a rethink in municipal purchasing: the procurement volume of the public sector (federal government, states, municipalities) in Germany is approximately between 350 and 500 billion euros per year, of which about 40 – 80 % is the responsibility of municipalities.</p> <p>This means that the impact of sustainable public procurement in initiating transformation processes is great, and it is cities and municipalities that offer particularly great potential for C2C solutions due to their diverse starting points and actors.</p> <p>So the <b>guide</b> is aimed at actors in the field of municipal procurement and is intended to promote an understanding of C2C in the context of public product procurement and to provide food for thought and assistance.</p>					

The following questions are addressed ...

... in the first chapter:

- Why do we need a rethink in municipal procurement ?
- Why procure according to C2C ?
- What does C2C mean ?

... in the second chapter:

- Where can C2C be implemented in the procurement process ?
- Which structures can promote C2C in procurement ?
- Which questions should be asked at the beginning of the procurement process ?
- Why is market research so important ?
- What influence does the choice of procedure have ?
- How to include C2C in the tender documents ?
- What could C2C example criteria and means of proof look like ?
- Why should we look at real prices instead of purchase prices ?
- Where can I find further information and support ?

Accordingly, the following contents are dealt with, whereby the explanatory remarks are enriched by practical examples, checklists, etc.

## **1. Sustainable purchasing with C2C**

### *1.1 Levers of municipal procurement for social-ecological and circular transformation*

- The market power of public procurement
- Political objectives: Green Deal and Sustainable Development Goals
- Possibilities under public procurement law for social-ecological criteria
- Importance of municipal pilot projects
- Sustainable procurement strategy

### *1.2 Sustainable municipal procurement with C2C*

- Role model and responsibility of the public sector
- C2C as a holistic approach to public procurement
- The C2C concept & the 2030 Agenda

### *1.3 What is C2C ?*

- Positive added values in all areas (ecology, social and economic)
- ...

## **2. Opportunities for implementing C2C in the municipal procurement process**

### *2.1 Create structural framework conditions*

- Empower procurement staff
- C2C competence centres as interfaces between demand and procurement centres
- Procurement strategy with clear objectives
- Service instructions
- Investment in implementation
- Standardisation of procurement documents
- E-procurement tools
- Long-term mindset / focus on real prices
- Linking procurement with strategic budget management
- Communication and exchange of experience

### *2.2 Starting points for C2C criteria in the procurement process*

This chapter provides an overview of how and at which points within a typical procurement process C2C can be implemented.

## Anknüpfungspunkte für C2C-Kriterien

© Cradle to Cradle NGO



- i) Preliminary considerations and needs analysis
  - Asking the right questions
  - Alternative business models / Product as a Service
  - What does C2C mean for procurement needs?
  - Sensitive aspects for people and the environment?
- ii) Market research
  - Comparison of the desired C2C criteria with the market offer
  - Orientation for the research procedure
  - Finding verification options
  - Determining the feasibility of criteria
  - Workshops & market dialogues
  - Division into lots
- iii) Choice of procedure type
  - Process types
  - Advantages of process types in relation to C2C procurement
- iv) Procurement documents
  - C2C in the tender documents
  - Define quality
  - Helpful framework conditions
    - a) Eligibility criteria
    - b) Performance specification
    - c) Order Execution Conditions
    - d) Award criteria
    - e) Real prices vs. purchase price
    - f) Evaluation of bids & award of contract
- v) Verification options
  - Verification through quality labels
  - C2C product standard
  - C2C-inspired criteria and potential verification options
- vi) C2C example criteria

### 3. Assistance and support

### 4. List of sources

#### **Cradle to Cradle NGO \_ successes and highlights**

In 2012, the **Cradle to Cradle NGO** was founded in Berlin with the aim of bringing the C2C concept to society. In the meantime, numerous initiatives and activities have been launched. The timeline until today can be followed [here](#); here are a few stations:

- In 2014 the 1st **International C2C Congress** took place (600 participants); in January 2020 already the 6th Congress with again 1000 guests and 70 speakers from politics, business and NGOs. In 2021, the 7th Congress took place in 3 stages and 3 cities.
- In 2015, the 1st **C2C Academy** took place (platform for networking, exchange and further education in the voluntary sector); in September 2020, already the 6th (digital).
- Due to Corona, a 1st **LAB Talk** was organized in April 2020.
- The renovation of the 400 sqm **C2C Lab** according to C2C criteria started in March 2019; it opened in September 2019. An education centre, NGO head office and real lab are located within.
- In September 2019, the **C2C Summits** started with the topic: Construction and Architecture.

Evidence of success

Is the practice or the tool accessible free of use?

Yes

No

<b>Availability of the practice or tool</b>	The guide is a project of the <i>Cradle to Cradle</i> NGO funded by the <a href="#">Hans Sauer Foundation</a> . The questions and the contents were translated from German into English.			
<b>Languages</b>	In which language(s) is the tool available?			
	<input type="checkbox"/> English	<input type="checkbox"/> French	<input checked="" type="checkbox"/> German	<input type="checkbox"/> Italian
<b>Further resources</b>	<b>Theses on the topic of 'Public Procurement according to Cradle to Cradle':</b>			
	<ul style="list-style-type: none"> <li>- <a href="#">Masterarbeit "Public Procurement for Future"</a></li> <li>- <a href="#">Bachelorarbeit "Auswirkungen einer nach Cradle to Cradle ausgerichteten öffentlichen Beschaffung"</a></li> </ul> <p><i>Cradle to Cradle</i> NGO: <a href="#">C2C in municipalities ideas for implementation</a></p>			

Name of the practice	<b>Name of practice or tool</b>					
Good practice ,owner'	Organisation name	Model region circular economy			Organisation type	Sectoral agency
	City Country	Upper Austria Austria			Website	<a href="https://www.biz-up.at/circular-region/">https://www.biz-up.at/circular-region/</a>
	Contact	Ashna Mudaffer				
Type of practice	<input type="checkbox"/> Policy/business support	<input type="checkbox"/> Technology	<input type="checkbox"/> Business model			
Sectoral relevance	<input type="checkbox"/> No specific sectors	<input type="checkbox"/> Polymers/plastics		<input type="checkbox"/> Wood/furniture		
	<input type="checkbox"/> Chemistry/materials	<input type="checkbox"/> Fibres/textiles		<input type="checkbox"/> Packaging		
Short description	<p><b>Model region circular economy</b></p> <p>“Up to 2030, Upper Austria will be Europe’s leading model region for a circular economy.” As the Business Upper Austria location agency, we advocate this vision.</p> <p>The companies at the location are part of a circular economy - as providers or users. This gives them a competitive advantage and exportable new technologies, products and services and the potential to open up new markets.</p> <p>We initiate, advise and coordinate interdisciplinary project development around the topic of circular economy.</p> <p><b>Circular Region Community</b></p> <p>Together with the Upper Austrian companies we want to develop the Circular Region. To this end, we organize events three times a year, where we offer the platform for appropriate community meetings to exchange information on specific topics with inputs on best practices and successful examples of circular economy</p> <p>The Circular Region Upper Austria is based on the hierarchically ordered circular economy principles of the Austrian circular economy strategy</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <p><u>Refuse, Rethink, Reduce</u></p>  </div> <div style="text-align: center;"> <p><u>Refurbish, Remanufacture, Repurpose</u></p>  </div> </div> <div style="display: flex; justify-content: space-around; align-items: center; margin-top: 20px;"> <div style="text-align: center;"> <p><u>Reuse, Repair</u></p>  </div> <div style="text-align: center;"> <p><u>Recycle, Recover</u></p>  </div> </div>					
Evidence of success	See projects on the website					
Availability of the practice or tool	Is the practice or the tool accessible free of use?				<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No

<b>Languages</b>	In which language(s) is the tool available?			
	<input type="checkbox"/> English	<input type="checkbox"/> French	<input checked="" type="checkbox"/> German	<input type="checkbox"/> Italian
	<input type="checkbox"/> Slovenian	<input type="checkbox"/> Others:		
<b>Further resources</b>	<ul style="list-style-type: none"><li>- Technology Roadmap Sustainable Plastics Solutions</li><li>- Circular projects descriptions</li></ul>			

<b>Name of the practice</b>	<b>Delivering the circular economy: a toolkit for policymakers</b>				
<b>Good practice ,owner'</b>	Organisation name	EllenMacArthur Foundation	Organisation type	13	
	City	London, UK	Website	<a href="https://ellenmacarthurfoundation.org/">https://ellenmacarthurfoundation.org/</a>	
	Country				
	Contact	Michael Brandkamp, CEO			
<b>Type of practice</b>	<input checked="" type="checkbox"/> Policy/business support	<input type="checkbox"/>	Technology	<input type="checkbox"/>	Business model
<b>Sectoral relevance</b>	<input checked="" type="checkbox"/> No specific sectors	<input type="checkbox"/>	Polymers/plastics	<input type="checkbox"/>	Wood/furniture
	<input type="checkbox"/> Chemistry/materials	<input type="checkbox"/>	Fibres/textiles	<input type="checkbox"/>	Packaging
<b>Short description</b>	<p>Toolkit identifies eight key insights, details policy options, opportunities and barriers, and demonstrates how the tools may be applied in a pilot study of Denmark.</p> <p>Part 2 comprises a how-to guide for policymakers who want to design a strategy to accelerate the transition towards the circular economy. It offers a detailed step-by-step methodology to explore and prioritise circular economy opportunities; quantify their impact; identify the barriers limiting these opportunities; and map and prioritise the policy interventions to overcome these barriers</p>				
<b>Evidence of success</b>					
<b>Availability of the practice or tool</b>	Is the practice or the tool accessible free of use?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No		
	<a href="https://ellenmacarthurfoundation.org/a-toolkit-for-policymakers">https://ellenmacarthurfoundation.org/a-toolkit-for-policymakers</a>				
<b>Languages</b>	In which language(s) is the tool available?				
	<input checked="" type="checkbox"/> English	<input type="checkbox"/> French	<input type="checkbox"/> German	<input type="checkbox"/> Italian	
	<input type="checkbox"/> Slovenian	<input type="checkbox"/> Others:			
<b>Further resources</b>					

<b>Name of the practice</b>	<b>Circular Economy Playbook</b>					
<b>Good practice ,owner'</b>	Organisation name	SITRA The Finnish Innovation Fund Sitra		Organisation type	Sectoral agency	
	City Country	Helsinki, Finland		Website	<a href="https://www.sitra.fi/en/publications/circular-economy-business-models-manufacturing-industry/">https://www.sitra.fi/en/publications/circular-economy-business-models-manufacturing-industry/</a> <a href="https://teknologiateollisuus.fi/fi/circular-economy-playbook">https://teknologiateollisuus.fi/fi/circular-economy-playbook</a>	
	Contact	Kari Herlevi, Project Director Circular Economy				
<b>Type of practice</b>	<input checked="" type="checkbox"/>	Policy/business support	<input type="checkbox"/>	Technology	<input checked="" type="checkbox"/>	Business model
<b>Sectoral relevance</b>	<input checked="" type="checkbox"/>	No specific sectors	<input type="checkbox"/>	Polymers/plastics	<input type="checkbox"/>	Wood/furniture
	<input type="checkbox"/>	Chemistry/materials	<input type="checkbox"/>	Fibres/textiles	<input type="checkbox"/>	Packaging
<b>Short description</b>	<p>This playbook is tailored to companies in the Finnish manufacturing industry giving examples for the following four sub-sectors: (1) Machinery &amp; Equipment, (2) Marine, (3) Energy and (4) Transportation. It specifically addresses companies that want to</p> <ul style="list-style-type: none"> <li>• Better meet customer expectations and deliver customer outcomes</li> <li>• Enable outcome-oriented solutions and new levels of efficiency through technology and digitalisation</li> <li>• Improve resource utilisation and mitigate risk from regulatory, investor and societal pressure</li> </ul> <p>The playbook calls for action by</p> <ul style="list-style-type: none"> <li>• Describing the rationale for why circular economy is relevant</li> <li>• Identifying circular business models with highest value potential per sub-sector</li> <li>• Outlining required organisational and operational changes</li> <li>• Providing a blueprint of a transformation journey for companies to achieve circular advantage</li> </ul> <p>It describes thereby a full methodology for the transformation journey towards circular business models. One of the business models highlighted is called the <b>'Circular Supply Chain'</b>, which fits well to the scope of the Cradle-ALP project.</p> <p>An interesting feature of the Playbook is the analysis of different technologies (physical, digital, biological) and how they can contribute to implement circular business models.</p> <p>The Playbook also contains a series of tools, which can be used by any company as well as examples from businesses and their circular transformation:</p> <ul style="list-style-type: none"> <li>• Business model development toolkit</li> <li>• Value case tool</li> <li>• Capability maturity assessment</li> <li>• Technology maturity assessment tool</li> <li>• Ecosystem partner identification</li> <li>• Funding requirement analysis</li> <li>• Roadmap development</li> <li>• Business model canvas</li> </ul> <p>Further details and links for the tools are provided in the section further resources.</p>					

<b>Evidence of success</b>	<p>The methodology described in the Circular Economy Playbook was applied and tested in Finland in the framework of a national pilot initiative to a group of about 50 manufacturing companies in the sectors (1) Machinery &amp; Equipment, (2) Marine, (3) Energy and (4) Transportation.</p> <p>It proved successful in identifying concrete circular transformation potentials for the participating companies. The sectoral approach enabled also to identify challenges and opportunities on the sector level (current state analysis and portfolio of circular opportunities).</p>			
<b>Availability of the practice or tool</b>	Is the practice or the tool accessible free of use?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
<b>Languages</b>	In which language(s) is the tool available?			
	<input checked="" type="checkbox"/> English	<input type="checkbox"/> French	<input type="checkbox"/> German	<input type="checkbox"/> Italian
	<input type="checkbox"/> Slovenian	<input type="checkbox"/> Others: n.a		
<b>Further resources</b>	<p>The Circular Economy Playbook is available for reading and download from <a href="https://teknologiateollisuus.fi/fi/circular-economy-playbook">https://teknologiateollisuus.fi/fi/circular-economy-playbook</a></p> <p>The following tools are available:</p> <ul style="list-style-type: none"> <li> <p>• <b>Business model development toolkit</b>            Set of exercises for identifying inefficiencies and customer pain points, assessing relevance of circular business models, and prioritising them. (Required time: 30-60 min)</p> <ul style="list-style-type: none"> <li>○ <a href="#">Business model development toolkit introduction</a></li> <li>○ <a href="#">Business model development toolkit</a></li> </ul> </li> <li> <p>• <b>Value case tool</b>            Tool for calculating high-level business case for circular business models. (Required time: 60 min)</p> <ul style="list-style-type: none"> <li>○ <a href="#">Value case tool User guide</a></li> <li>○ <a href="#">Value case tool</a></li> </ul> </li> <li> <p>• <b>Capability maturity assessment</b>            Tool for assessing your company's maturity in the circular capabilities and identifying which capabilities to develop internally and which ones to outsource for external partners. (Required time: 15 min)</p> <ul style="list-style-type: none"> <li>○ <a href="#">Capability maturity assessment</a></li> </ul> </li> <li> <p>• <b>Technology maturity assessment tool</b>            Tool for assessing your company's maturity in the technologies enabling circular business models, and prioritising those for development.(Required time: 20 min)</p> <ul style="list-style-type: none"> <li>○ <a href="#">Technology maturity assessment</a></li> </ul> </li> <li> <p>• <b>Culture gap analysis</b>            Tool for analysing how circular your current company culture is and outlining activities to bridge identified culture gaps. (Required time: 15 min)</p> <ul style="list-style-type: none"> <li>○ <a href="#">Culture gap analysis</a></li> </ul> </li> <li> <p>• <b>Ecosystem partner identification</b>            Tool for identifying external partners that can help in bridging internal capability and technology gaps. (Required time: 15 min)</p> <ul style="list-style-type: none"> <li>○ <a href="#">Ecosystem partner identification</a></li> </ul> </li> <li> <p>• <b>Funding requirement analysis</b>            Tool for reflecting on funding requirements of your selected circular business model. (Required time: 15 min)</p> </li> </ul>			

- [Funding requirement analysis](#)

- **Roadmap development**

Tool for planning your circular transformation journey, including list of activities and key milestones. (Required time: 30–45 min)

- [Roadmap development](#)

- **Business model canvas**

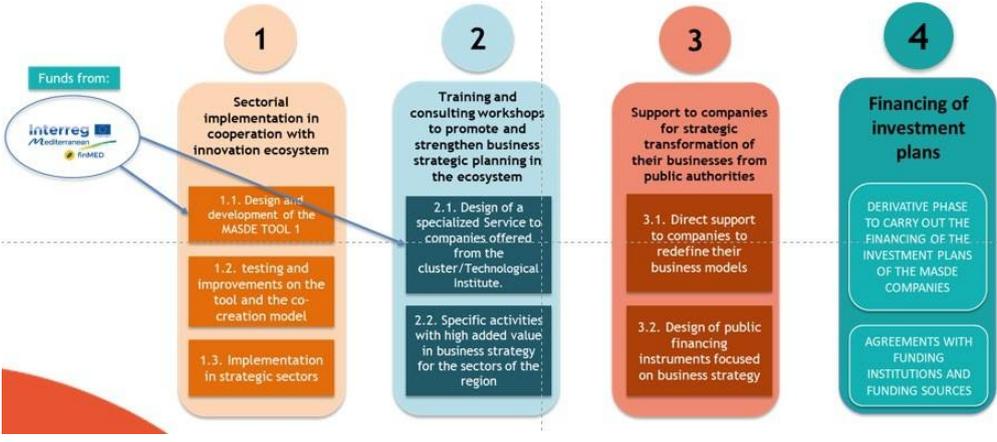
Tool for crystallising your circular business model by reflecting on its key building blocks, including your value proposition, infrastructure, customers and financing. (Required time: 20–30min.)

- [Business model canvas](#)

SITRA’s website offers further relevant publications, such as:

The playbook, “[Sustainable growth with circular economy business models](#)”

<b>Name of the practice</b>	<b>C2C IM BAU: ORIENTIERUNG FÜR KOMMUNEN</b>					
<b>Good practice ,owner'</b>	Organisation name	C2C NGO		Organisation type	NGO	
	City	Berlin		Website	<a href="https://c2c-bau.org/">https://c2c-bau.org/</a>	
	Country	Germany				
Contact	bau@c2c.ngo					
<b>Type of practice</b>	<input type="checkbox"/>	Policy/business support	<input checked="" type="checkbox"/>	Technology	<input type="checkbox"/>	Business model
<b>Sectoral relevance</b>	<input checked="" type="checkbox"/>	No specific sectors	<input type="checkbox"/>	Polymers/plastics	<input type="checkbox"/>	Wood/furniture
	<input type="checkbox"/>	Chemistry/materials	<input type="checkbox"/>	Fibres/textiles	<input checked="" type="checkbox"/>	Packaging
<b>Short description</b>	<p>The „C2C IM BAU: ORIENTIERUNG FÜR KOMMUNEN“ is a recommendation for C2C buildings for municipalities and all other actors in the building sector. It was developed by the C2C NGO in collaboration with the Nordakademie-Stiftung with experts from the building sector. Since the building sector is a big impact on the global resource demand, it can be seen as leverage point in circular economy. The recommendation introducing cradle to cradle to stakeholders in the building sector. The document is divided in 15 different chapters related to C2C and buildings.</p>					
<b>Evidence of success</b>	<p>The C2C NGO is a German organization pushing the cradle to cradle design principles. Their focus is education and networking to bring C2C in the centre of the civil society. The goal of Labor Tempelhof was to identify the potential of circular events and raise awareness at different stakeholders, starting from the actors over the catering and the sanitary system supplier. Many different stakeholders were pushed to think of circular solutions and the visitors had an experience on how circular future events could look like, without leaving a pile of trash behind.</p>					
<b>Availability of the practice or tool</b>	Is the practice or the tool accessible free of use?				<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
	The report and further information to Labor Tempelhof are available on the homepage.					
<b>Languages</b>	In which language(s) is the tool available?					
	<input checked="" type="checkbox"/> English	<input type="checkbox"/> French	<input checked="" type="checkbox"/> German	<input type="checkbox"/> Italian		
	<input type="checkbox"/> Slovenian	<input type="checkbox"/> Others: please specify here which other languages are relevant				
<b>Further resources</b>	<a href="https://labor-tempelhof.org/projektbausteine/report/">https://labor-tempelhof.org/projektbausteine/report/</a>					

Name of the practice	MASDE mechanism					
Good practice ,owner'	Organisation name	Generalitat Valenciana IVACE		Organisation type	Regional public authority	
	City Country	Valencia, Spain		Website	<a href="https://www.ivace.es/index.php/es/">https://www.ivace.es/index.php/es/</a>	
	Contact	n.a. (general contact on the organisation's website)				
Type of practice	<input checked="" type="checkbox"/> Policy/business support	<input type="checkbox"/>	Technology	<input type="checkbox"/>	Business model	
Sectoral relevance	<input checked="" type="checkbox"/> No specific sectors	<input type="checkbox"/>	Polymers/plastics	<input type="checkbox"/>	Wood/furniture	
	<input type="checkbox"/> Chemistry/materials	<input type="checkbox"/>	Fibres/textiles	<input type="checkbox"/>	Packaging	
Short description	<p>MASDE is a business support mechanism that implies a deployment of business support actions and tools improving strategic planning at a company level under a <b>co-creation model between companies and the main actors in the ecosystem at a sectorial level (CLUSTER-TECH INSTITUTE and RDA)</b>:</p> <ul style="list-style-type: none"> <li>MASDE allows companies to analyze their status and make a strategic reflection on their current situation.</li> <li>MASDE allows companies to establish changes in their business strategy to adapt to the new challenges in their sector.</li> <li>Work on a co-creation model with the entities that make up the territory's innovation and financing ecosystem</li> <li>MASDE Design a series of computer support tools, as well as public and private financing instruments to finance strategic planning actions.</li> </ul> <p>This framework aims at making it easier for companies to find the most appropriate strategic combination for sustainable development. At the same time, <b>it facilitates obtaining necessary funding for their sustainable investment plans.</b></p>  <p>MASDE Tool 1 – Features</p> <ul style="list-style-type: none"> <li>Design and definition of the technical content by more than 100 experts in different matters from different entities, during a series of work meetings.</li> <li>180 analysis questions divided into 6 main areas of analysis.</li> </ul>					

	<ul style="list-style-type: none"> <li>▪ 50 questions for open strategic reflection, adapted to each company in an automated way.</li> <li>▪ Flexibility in the creation and configuration of the different sectors, providing MASDE Tool 1 with differentiated criteria for each sector and sub-sector.</li> </ul>		
<b>Evidence of success</b>	<p>More than 100 companies in the textile sector in phase 1.</p> <p>11 industrial sectors are planned in the coming years.</p>		
<b>Availability of the practice or tool</b>	Is the practice or the tool accessible free of use?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
	The tool has partly been developed with European public funds and is partly available in English. IVACE is ready/interested to collaborate with transnational partners.		
<b>Languages</b>	In which language(s) is the tool available?		
	<input checked="" type="checkbox"/> English (in part)	<input type="checkbox"/> French	<input type="checkbox"/> German
	<input type="checkbox"/> Slovenian	<input type="checkbox"/> Others: Spanish	
<b>Further resources</b>	n.a.		

Name of the practice	<b>Network Cradle to Cradle Regions</b> within <i>Cradle to Cradle</i> NGO <b>Guidelines for strategic procurement according to Cradle to Cradle in municipal purchasing</b>					
Good practice ,owner'	Organisation name		Network C2C Regions		Organisation type	Interest groups including NGOs
	City Country		Berlin, Germany		Website	<a href="https://c2c-regionen.org/">https://c2c-regionen.org/</a>
	Contact		---			
Type of practice	<input checked="" type="checkbox"/>	Policy/business support	<input type="checkbox"/>	Technology	<input type="checkbox"/>	Business model
Sectoral relevance	<input checked="" type="checkbox"/>	No specific sectors	<input type="checkbox"/>	Polymers/plastics	<input type="checkbox"/>	Wood/furniture
	<input type="checkbox"/>	Chemistry/materials	<input type="checkbox"/>	Fibres/textiles	<input type="checkbox"/>	Packaging
Short description	<p><b>Network Cradle to Cradle Regions</b> within <i>Cradle to Cradle</i> NGO (cf. Evidence of success)</p>  <p>Dec. 2020 – launch of the <b>Network C2C Regions</b>. Local &amp; city governments meet innovative companies, research institutes &amp; civil society organisations - all with the goal of leaving a positive ecological footprint together.</p> <p>The <b>Network C2C Regions</b> is aimed at</p> <ul style="list-style-type: none"> <li>• <i>Cities &amp; municipalities</i> - that act in a climate and resource positive way and want to act and introduce C2C as a holistic guiding principle;</li> <li>• <i>Companies</i> - who already manufacture products according to the criteria of C2C, have aligned their business processes accordingly or want to be a demonstrable regional driver for C2C;</li> <li>• <i>Organisations</i> - such as foundations, associations, NGOs &amp; research institutions that want to actively participate in shaping a positive ecological footprint of entire communities.</li> </ul> <p>The <b>Network C2C Regions</b> offers ...</p> <ul style="list-style-type: none"> <li>- an <i>exchange platform</i> for expertise and knowledge; one voice, big impact - bundling of positions and representation of interests; potential for regional networking of companies, organisations and political actors; use of network logo for positioning the C2C commitment and integration on the network's website;</li> <li>- <i>practical implementation</i> - support of C2C projects through qualification, assistance &amp; communicative accompaniment;</li> <li>- <i>publications</i> - development and provision of guidelines, factsheets, formulation aids, case studies, etc.;</li> <li>- <i>events</i> - regular/annual network meetings; possible inclusion at C2C NGO events; thematic workshop series, roundtables and keynote speeches for network members; etc.</li> </ul> <p><b>Guidelines for strategic procurement according to C2C in municipal purchasing</b></p> <p>The following figures illustrate the need for a rethink in municipal purchasing: the procurement volume of the public sector (federal government, states, municipalities) in Germany is approximately between 350 and 500 billion euros per year, of which about 40 – 80 % is the responsibility of municipalities.</p> <p>This means that the impact of sustainable public procurement in initiating transformation processes is great, and it is cities and municipalities that offer particularly great potential for C2C solutions due to their diverse starting points and actors.</p> <p>So the <b>guide</b> is aimed at actors in the field of municipal procurement and is intended to promote an understanding of C2C in the context of public product procurement and to provide food for thought and assistance.</p>					

The following questions are addressed ...

... in the first chapter:

- Why do we need a rethink in municipal procurement ?
- Why procure according to C2C ?
- What does C2C mean ?

... in the second chapter:

- Where can C2C be implemented in the procurement process ?
- Which structures can promote C2C in procurement ?
- Which questions should be asked at the beginning of the procurement process ?
- Why is market research so important ?
- What influence does the choice of procedure have ?
- How to include C2C in the tender documents ?
- What could C2C example criteria and means of proof look like ?
- Why should we look at real prices instead of purchase prices ?
- Where can I find further information and support ?

Accordingly, the following contents are dealt with, whereby the explanatory remarks are enriched by practical examples, checklists, etc.

## **1. Sustainable purchasing with C2C**

### *1.1 Levers of municipal procurement for social-ecological and circular transformation*

- The market power of public procurement
- Political objectives: Green Deal and Sustainable Development Goals
- Possibilities under public procurement law for social-ecological criteria
- Importance of municipal pilot projects
- Sustainable procurement strategy

### *1.2 Sustainable municipal procurement with C2C*

- Role model and responsibility of the public sector
- C2C as a holistic approach to public procurement
- The C2C concept & the 2030 Agenda

### *1.3 What is C2C ?*

- Positive added values in all areas (ecology, social and economic)
- ...

## **2. Opportunities for implementing C2C in the municipal procurement process**

### *2.1 Create structural framework conditions*

- Empower procurement staff
- C2C competence centres as interfaces between demand and procurement centres
- Procurement strategy with clear objectives
- Service instructions
- Investment in implementation
- Standardisation of procurement documents
- E-procurement tools
- Long-term mindset / focus on real prices
- Linking procurement with strategic budget management
- Communication and exchange of experience

### *2.2 Starting points for C2C criteria in the procurement process*

This chapter provides an overview of how and at which points within a typical procurement process C2C can be implemented.

## Anknüpfungspunkte für C2C-Kriterien

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- i) Preliminary considerations and needs analysis
  - Asking the right questions
  - Alternative business models / Product as a Service
  - What does C2C mean for procurement needs?
  - Sensitive aspects for people and the environment?
- ii) Market research
  - Comparison of the desired C2C criteria with the market offer
  - Orientation for the research procedure
  - Finding verification options
  - Determining the feasibility of criteria
  - Workshops & market dialogues
  - Division into lots
- iii) Choice of procedure type
  - Process types
  - Advantages of process types in relation to C2C procurement
- iv) Procurement documents
  - C2C in the tender documents
  - Define quality
  - Helpful framework conditions
    - a) Eligibility criteria
    - b) Performance specification
    - c) Order Execution Conditions
    - d) Award criteria
    - e) Real prices vs. purchase price
    - f) Evaluation of bids & award of contract
- v) Verification options
  - Verification through quality labels
  - C2C product standard
  - C2C-inspired criteria and potential verification options
- vi) C2C example criteria

### 3. Assistance and support

### 4. List of sources

#### **Cradle to Cradle NGO \_ successes and highlights**

In 2012, the **Cradle to Cradle NGO** was founded in Berlin with the aim of bringing the C2C concept to society. In the meantime, numerous initiatives and activities have been launched. The timeline until today can be followed [here](#); here are a few stations:

- In 2014 the 1st **International C2C Congress** took place (600 participants); in January 2020 already the 6th Congress with again 1000 guests and 70 speakers from politics, business and NGOs. In 2021, the 7th Congress took place in 3 stages and 3 cities.
- In 2015, the 1st **C2C Academy** took place (platform for networking, exchange and further education in the voluntary sector); in September 2020, already the 6th (digital).
- Due to Corona, a 1st **LAB Talk** was organized in April 2020.
- The renovation of the 400 sqm **C2C Lab** according to C2C criteria started in March 2019; it opened in September 2019. An education centre, NGO head office and real lab are located within.
- In September 2019, the **C2C Summits** started with the topic: Construction and Architecture.

Evidence of success

Is the practice or the tool accessible free of use?

Yes

No

<b>Availability of the practice or tool</b>	The guide is a project of the <i>Cradle to Cradle</i> NGO funded by the <a href="#">Hans Sauer Foundation</a> . The questions and the contents were translated from German into English.		
<b>Languages</b>	In which language(s) is the tool available?		
	<input type="checkbox"/> English	<input type="checkbox"/> French	<input checked="" type="checkbox"/> German
	<input type="checkbox"/> Slovenian	<input type="checkbox"/> Others:	
<b>Further resources</b>	<p><b>Theses on the topic of 'Public Procurement according to Cradle to Cradle':</b></p> <ul style="list-style-type: none"> <li>- <a href="#">Masterarbeit "Public Procurement for Future"</a></li> <li>- <a href="#">Bachelorarbeit "Auswirkungen einer nach Cradle to Cradle ausgerichteten öffentlichen Beschaffung"</a></li> </ul> <p><b><i>Cradle to Cradle</i> NGO: <a href="#">C2C in municipalities ideas for implementation</a></b></p>		

<b>Name of the practice</b>	<b>Name of practice or tool</b>			
	Circular 4.0			
<b>Good practice ,owner'</b>	Organisation name	Technology Park Ljubljana Ltd	Organisation type	Nr 11
	City Country	Ljubljana, Slovenia	Website	<a href="http://Circular40.eu">Circular40.eu</a> - <a href="#">Circular and DMA tools for Circular 40 project</a>
	Contact	Name of contact person		
<b>Type of practice</b>	<input checked="" type="checkbox"/> Policy/business support	<input type="checkbox"/> Technology	<input type="checkbox"/> Business model	
<b>Sectoral relevance</b>	<input checked="" type="checkbox"/> No specific sectors	<input type="checkbox"/> Polymers/plastics	<input type="checkbox"/> Wood/furniture	
	<input type="checkbox"/> Chemistry/materials	<input type="checkbox"/> Fibres/textiles	<input type="checkbox"/> Packaging	
<b>Short description</b>	The main objective of the CIRCULAR4.0 project is to strengthen digitalisation processes by SMEs to foster innovation processes and accelerate the transition to the Circular Economy in Alpine Space. Materials provided here support this objective through a complete set of training materials and tools needed to assist companies with accelerating their transformation.			
<b>Evidence of success</b>	Success cases brochure: <a href="#">CIRCULAR4.0 poster publication – LOW (circular40.eu)</a>			
<b>Availability of the practice or tool</b>	Is the practice or the tool accessible free of use?		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
<b>Languages</b>	In which language(s) is the tool available?			
	<input checked="" type="checkbox"/> English	<input type="checkbox"/> French	<input type="checkbox"/> German	<input type="checkbox"/> Italian
	<input type="checkbox"/> Slovenian	<input type="checkbox"/> Others: please specify here which other languages are relevant		
<b>Further resources</b>	- <a href="#">Circular40.eu - Circular and DMA tools for Circular 40 project</a>			

<b>Name of the practice</b>	Zero Waste Scotland			
<b>Good practice ,owner'</b>	Organisation name	Zero Waste Scotland	Organisation type	Sectoral agency
	City Country	Scotland	Website	<a href="https://www.zerowastescotland.org.uk/">https://www.zerowastescotland.org.uk/</a>
	Contact	n.a. (general contact on the organisation's website)		
<b>Type of practice</b>	<input checked="" type="checkbox"/> Policy/business support	<input type="checkbox"/>	Technology	<input type="checkbox"/> Business model
<b>Sectoral relevance</b>	<input checked="" type="checkbox"/> No specific sectors	<input type="checkbox"/>	Polymers/plastics	<input type="checkbox"/> Wood/furniture
	<input type="checkbox"/> Chemistry/materials	<input type="checkbox"/>	Fibres/textiles	<input type="checkbox"/> Packaging
<b>Short description</b>	<p>Zero Waste Scotland (ZWS) exists to lead Scotland to use products and resources responsibly, focusing on where it can have the greatest impact on climate change. ZWS is funded by the Scottish Government and receives funding from the European Structural Funds Programme to help accelerate the circular economy and resource efficiency work with SMEs in Scotland.</p> <p>ZWS has about 160 employees and offers a broad range of services and support of cities and regions as well as businesses:</p> <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;">  <p><b>Cities and Regions</b> Cities are ideally located for new circular business models due to population and resource density in a small geographic area.</p> </div> <div style="text-align: center;">  <p><b>Business Support Service</b> One to one, expert consultancy to help find new growth opportunities for small and medium sized businesses.</p> </div> <div style="text-align: center;">  <p><b>Investment Fund</b> We are investing £18 million in grant funding to SMEs who are helping to create a more circular economy.</p> </div> <div style="text-align: center;">  <p><b>Business Support Network</b> Sharing and building on good practice in order to lead the transition towards a circular economy for Scotland.</p> </div> <div style="text-align: center;">  <p><b>CE Innovation Workshops</b> Workshops to inspire circular economy thinking and develop, build &amp; refine ideas.</p> </div> </div> <div style="text-align: right; margin-top: 10px;">  </div> <p>The current main support programme to business is <b>the Resource Efficient Circular Economy Accelerator Programme - RECEAP</b> (European Regional Development Funds) £ 73m – EUR 83m. It offers financial and non-financial support:</p> <p><b>Circular Economy Business Support</b></p> <ul style="list-style-type: none"> <li>▪ Focussed on business planning development and execution (Non-financial investment)</li> <li>▪ Supported via specialist contractors</li> </ul> <p><b>Circular Economy Investment Fund</b></p> <ul style="list-style-type: none"> <li>▪ Grant programme to commercialise innovation and acceleration in the circular economy (Financial investment)</li> <li>▪ Key metrics: Carbon Savings, Leverage private &amp; or Institutional Investment &amp; Jobs</li> </ul>			
<b>Evidence of success</b>	Track record of private investments leveraged and SMEs supported. Figures from April 2021:			

	<p>EUR 30 m of private investment leveraged into projects with a forecast of 270 jobs and 40,000 tonnes of CO2 p.a. saved.</p> <p>In addition, Circular Economy Business Support Service has supported 250+ SMEs</p>		
<b>Availability of the practice or tool</b>	Is the practice or the tool accessible free of use?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
<b>Languages</b>	In which language(s) is the tool available?		
	<input checked="" type="checkbox"/> English	<input type="checkbox"/> French	<input type="checkbox"/> German
	<input type="checkbox"/> Slovenian	<input type="checkbox"/> Others:	
<b>Further resources</b>	n.a.		

<b>Name of the practice</b>	<b>ICESP-Italian Circular Stakeholder Platform</b>					
<b>Good practice ,owner'</b>	Organisation name	ENEA- Italian National Agency for New Technologies, Energy and Sustainable Economic Development		Organisation type	4- Sectoral Agency	
	City Country	- Italy		Website	<a href="https://www.enea.it/en">https://www.enea.it/en</a> <a href="https://www.icesp.it/">https://www.icesp.it/</a>	
	Contact	info@icesp.it (technical secretariat)				
<b>Type of practice</b>	<input checked="" type="checkbox"/>	Policy/business support	<input type="checkbox"/>	Technology	<input type="checkbox"/>	Business model
<b>Sectoral relevance</b>	<input checked="" type="checkbox"/>	No specific sectors	<input type="checkbox"/>	Polymers/plastics	<input type="checkbox"/>	Wood/furniture
	<input type="checkbox"/>	Chemistry/materials	<input type="checkbox"/>	Fibres/textiles	<input type="checkbox"/>	Packaging
<b>Short description</b>	<p>ICESP is an Italian platform that was created to bring initiatives together, to share experiences, to highlight critical issues and indicate perspectives in order to represent Italian specificities in the field of circular economy in Europe and to promote circular economy in Italy through specific dedicated actions.</p> <p>ICESP is promoted by ENEA (Italian National Agency for New Technologies, Energy and Sustainable Economic Development) as an initiative that mirrors and integrates with ECESP, the European Platform for the Circular Economy, with the aim of spreading knowledge on circular economy, mapping good circular economy practices, and fostering multi-stakeholder dialogue.</p>					
<b>Evidence of success</b>	<p>ICESP is a network whose objective is to create a national convergence on initiatives, experiences, critical issues, perspectives, and expectations on circular economy that are presented in Europe with a single voice, promoting the Italian way of making circular economy also through specific dedicated actions.</p> <p>GOALS:</p> <ul style="list-style-type: none"> <li>• to promote knowledge dissemination</li> <li>• to foster dialogue and possible synergies between the Italian players involved in the initiatives</li> <li>• to map Italian good practices</li> <li>• to promote the integration of initiatives at the Italian level</li> <li>• to create a permanent operational tool that can promote and facilitate intersectoral dialogue and interactions</li> <li>• to spreading Italian excellence and the Italian way of making a circular economy starting from the traditions and typical features of our country and the related cultural, social, and business models.</li> </ul> <p>The platform has adopted a Charter (manifesto) and a Regulation that allow organizations to share commitment to achieve common circular economy goals.</p>					

<b>Availability of the practice or tool</b>	Is the practice or the tool accessible free of use?		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
	The tool is free of use previous registration. The adherent has to fill in a module presenting good practices in circular economy <a href="https://www.icesp.it/aderisci">https://www.icesp.it/aderisci</a>			
<b>Languages</b>	In which language(s) is the tool available?			
	<input type="checkbox"/> English	<input type="checkbox"/> French	<input type="checkbox"/> German	<input checked="" type="checkbox"/> Italian
	<input type="checkbox"/> Slovenian	<input type="checkbox"/> Others: please specify here which other languages are relevant		
<b>Further resources</b>	<a href="https://www.icesp.it/sites/default/files/2022-11/Pieghevole_ICESP_REV_11_2022_IT.pdf">https://www.icesp.it/sites/default/files/2022-11/Pieghevole_ICESP_REV_11_2022_IT.pdf</a> <a href="https://www.icesp.it/sites/default/files/2021-12/ICESP_lineaguida_2021_def.pdf">https://www.icesp.it/sites/default/files/2021-12/ICESP_lineaguida_2021_def.pdf</a>			

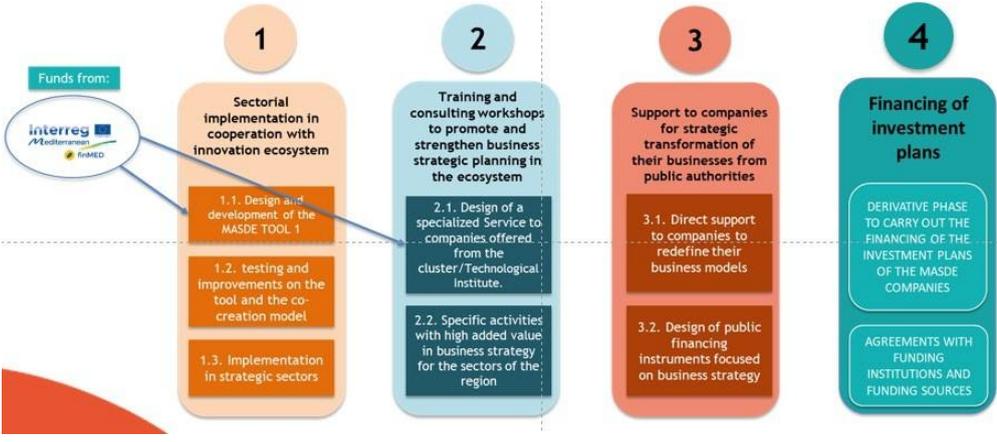
<b>Name of the practice</b>	Labor Tempelhof					
<b>Good practice ,owner'</b>	Organisation name	C2C NGO		Organisation type	NGO	
	City	Berlin		Website	<a href="https://labor-tempelhof.org/">https://labor-tempelhof.org/</a>	
	Country	Germany				
Contact	Wolter Student					
<b>Type of practice</b>	<input type="checkbox"/>	Policy/business support	<input checked="" type="checkbox"/>	Technology	<input type="checkbox"/>	Business model
<b>Sectoral relevance</b>	<input checked="" type="checkbox"/>	No specific sectors	<input type="checkbox"/>	Polymers/plastics	<input type="checkbox"/>	Wood/furniture
	<input type="checkbox"/>	Chemistry/materials	<input type="checkbox"/>	Fibres/textiles	<input checked="" type="checkbox"/>	Packaging
<b>Short description</b>	<p>Many products in the event sector have a short life-cycle or are even single use products, which leads to big amounts of waste. The larger an event is, the more challenging it is to make a sustainable event, because logistics must include a reverse logistic.</p> <p>The C2C NGO developed and organized a sustainable C2C event in Berlin on the “Tempelhofer Feld” with four concerts and in total 250,000 visitors. The event was very successful and can be seen as first step towards a sustainable and circular event industry. The event was used to transport a message to different stakeholders, e.g. visitors, artists, event sector, which are often not considering circular economy in their daily business. The reporting in mainstream media raised awareness by people watching, listening, or reading something about the project. Learnings and detailed documentation of the project can be found in the report or the guidebook for circular events.</p>					
<b>Evidence of success</b>	<p>The C2C NGO is a German organization pushing the cradle to cradle design principles. Their focus is education and networking to bring C2C in the centre of the civil society. The goal of Labor Tempelhof was to identify the potential of circular events and raise awareness at different stakeholders, starting from the actors over the catering and the sanitary system supplier. Many different stakeholders were pushed to think of circular solutions and the visitors had an experience on how circular future events could look like, without leaving a pile of trash behind.</p>					
<b>Availability of the practice or tool</b>	Is the practice or the tool accessible free of use?				<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
	The report and further information to Labor Tempelhof are available on the homepage.					
<b>Languages</b>	In which language(s) is the tool available?					
	<input checked="" type="checkbox"/> English	<input type="checkbox"/> French		<input checked="" type="checkbox"/> German	<input type="checkbox"/> Italian	
	<input type="checkbox"/> Slovenian	<input type="checkbox"/> Others: please specify here which other languages are relevant				
<b>Further resources</b>	<a href="https://labor-tempelhof.org/projektbausteine/report/">https://labor-tempelhof.org/projektbausteine/report/</a>					

<b>Name of the practice</b>	<b>Thinkubator Fellow Program</b>			
<b>Good practice ,owner'</b>	Organisation name	Thinkubator	Organisation type	SME
	City Country	Vienna Austria	Website	<a href="https://www.thinkubator.earth/">https://www.thinkubator.earth/</a>
	Contact	Felix Ambros		
<b>Type of practice</b>	<input checked="" type="checkbox"/> Policy/business support	<input type="checkbox"/> Technology	<input checked="" type="checkbox"/> Business model	
<b>Sectoral relevance</b>	<input checked="" type="checkbox"/> No specific sectors	<input type="checkbox"/> Polymers/plastics	<input type="checkbox"/> Wood/furniture	
	<input type="checkbox"/> Chemistry/materials	<input type="checkbox"/> Fibres/textiles	<input type="checkbox"/> Packaging	
<b>Short description</b>	<p>The Thinkubator is a social business with a Fellow Program and a business support program for companies. The goal of the Fellow Program is to identify the knowledge action gap, describing the discrepancy between research findings and their implementation. The Fellowship runs for four months and starts twice a year. During this period the fellows are working in interdisciplinary teams on certain topics related to circular economy. The program starts with an introduction phase followed by a research phase including expert interviews. Then the fellows develop solution concepts for the identified problems using design thinking and prototyping in the innovation sprint. In the final event of the program the teams present their solutions and future perspectives of their project.</p>			
<b>Evidence of success</b>	<p>Within 18 months more than 40 participants have been in the fellowship program working on different innovative solutions. Two teams have started a spin out and more than 15 cooperation partners could be identified. Additionally, more than 1,000 followers on LinkedIn contribute to raising the awareness for circular economy. The successful start the Thinkubator shows the importance of such programs to push certain topics from research to implementation.</p>			
<b>Availability of the practice or tool</b>	Is the practice or the tool accessible free of use?		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
<b>Languages</b>	In which language(s) is the tool available?			
	<input checked="" type="checkbox"/> English	<input type="checkbox"/> French	<input checked="" type="checkbox"/> German	<input type="checkbox"/> Italian
	<input type="checkbox"/> Slovenian	<input type="checkbox"/> Others: please specify here which other languages are relevant		
<b>Further resources</b>	<a href="https://www.thinkubator.earth/thinktank/fellow-programm">https://www.thinkubator.earth/thinktank/fellow-programm</a>			

<b>Name of the practice</b>	<b>European Circular Bioeconomy Fund</b>					
<b>Good practice ,owner'</b>	Organisation name	<b>ECBF Management GmbH</b>		Organisation type	13	
	City	Bonn		Website	<a href="https://www.ecbf.vc/">https://www.ecbf.vc/</a>	
	Country					
	Contact	Michael Brandkamp, CEO				
<b>Type of practice</b>	<input checked="" type="checkbox"/>	Policy/business support	<input type="checkbox"/>	Technology	<input type="checkbox"/>	Business model
<b>Sectoral relevance</b>	<input type="checkbox"/>	No specific sectors	<input checked="" type="checkbox"/>	Polymers/plastics	<input type="checkbox"/>	Wood/furniture
	<input checked="" type="checkbox"/>	Chemistry/materials	<input checked="" type="checkbox"/>	Fibres/textiles	<input checked="" type="checkbox"/>	Packaging
<b>Short description</b>	<p>Venture capital impact fund exclusively dedicated to the (circular-) bioeconomy. Set up by the European Union and European Investment Bank.</p> <p>Targeted industry sectors are Ag- and food, forestry, blue economy, industrial biotech, bio-based chemicals and materials, packaging, personal &amp; home care, construction, textiles; TRL 6-9, Invest size €2.5-10 million</p>					
<b>Evidence of success</b>	9 funded startups					
<b>Availability of the practice or tool</b>	Is the practice or the tool accessible free of use?				<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
<b>Languages</b>	In which language(s) is the tool available?					
	<input checked="" type="checkbox"/> English	<input type="checkbox"/> French	<input type="checkbox"/> German		<input type="checkbox"/> Italian	
	<input type="checkbox"/> Slovenian	<input type="checkbox"/> Others:				
<b>Further resources</b>						

<b>Name of the practice</b>	FTI-Initiative Kreislaufwirtschaft				
<b>Good practice ,owner'</b>	Organisation name	BMK	Organisation type	National public authority	
	City	Vienna	Website	https://www.bmk.gv.at/themen/innovation/schwerpunkte.html	
	Country	Austria			
	Contact				
<b>Type of practice</b>	<input checked="" type="checkbox"/> Policy/business support	<input type="checkbox"/>	Technology	<input type="checkbox"/>	Business model
<b>Sectoral relevance</b>	<input checked="" type="checkbox"/> No specific sectors	<input type="checkbox"/>	Polymers/plastics	<input type="checkbox"/>	Wood/furniture
	<input type="checkbox"/> Chemistry/materials	<input type="checkbox"/>	Fibres/textiles	<input type="checkbox"/>	Packaging
<b>Short description</b>	<p>The FTI-Initiatives are an Austrian funding instrument for research, technology, and innovation with four different focus areas: energy transition, circular economy, mobility transition and climate-neutral city. For circular economy (CE) two calls were published, one in 2021 with € 10 mio and one in 2022 with € 12 mio. In 2021 the addressed topics were: innovation for a CE, circular procurement and manufacturing, intensification of use and recycling. Within this framework 10 projects were funded in 2021. In 2022 the addressed topics were innovation for a CE, intensification of the use of goods and residual materials and recycling. Within this framework different research projects were funded.</p>				
<b>Evidence of success</b>	<p>The funding of the FTI initiative in the CE was supporting different projects towards a more circular future. Stakeholders addressed with this initiative were research institutes on the one hand and companies on the other hand. In total a budget of € 22 mio was allocated to these projects. Additionally the publication of the circular economy strategy in December 2022 raised awareness on CE in the public.</p>				
<b>Availability of the practice or tool</b>	Is the practice or the tool accessible free of use?	<input checked="" type="checkbox"/> Yes		<input type="checkbox"/> No	
<b>Languages</b>	In which language(s) is the tool available?				
	<input type="checkbox"/> English	<input type="checkbox"/> French	<input checked="" type="checkbox"/> German	<input type="checkbox"/> Italian	
	<input type="checkbox"/> Slovenian	<input type="checkbox"/> Others:			
<b>Further resources</b>	<a href="https://nachhaltigwirtschaften.at/de/themen/kreislaufwirtschaft/projekte-1-ausschreibung.php">https://nachhaltigwirtschaften.at/de/themen/kreislaufwirtschaft/projekte-1-ausschreibung.php</a>				

<b>Name of the practice</b>	<b>Waldfonds</b>			
<b>Good practice ,owner'</b>	Organisation name	BML	Organisation type	National public authority
	City Country	Vienna Wien	Website	<a href="https://www.waldfonds.at/">https://www.waldfonds.at/</a>
	Contact	Georg Rappold		
<b>Type of practice</b>	<input checked="" type="checkbox"/> Policy/business support	<input type="checkbox"/> Technology	<input type="checkbox"/> Business model	
<b>Sectoral relevance</b>	<input checked="" type="checkbox"/> No specific sectors	<input type="checkbox"/> Polymers/plastics	<input type="checkbox"/> Wood/furniture	
	<input type="checkbox"/> Chemistry/materials	<input type="checkbox"/> Fibres/textiles	<input type="checkbox"/> Packaging	
<b>Short description</b>	The Waldfonds is a funding instrument from the BML for forestry and wood value chain with a dedicated budget of € 350 mio running for four years (until 2025). The budget was divided in 10 different topics, e.g. actions on reforestation, bark beetle or forest fires or research on future forests and wood as material or energy and education in this field. This program offers a unique opportunity for the wood-based bioeconomy in Austria because the funded projects accelerate the transition towards a wood-based bioeconomy.			
<b>Evidence of success</b>	The dedicated budget was used to push the wood and forest sector in Austria through many different projects. The stakeholders were forest owners, research institutes, wood industry and universities. This program was also rising awareness in policy and society.			
<b>Availability of the practice or tool</b>	Is the practice or the tool accessible free of use?		<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
	Funding program			
<b>Languages</b>	In which language(s) is the tool available?			
	<input type="checkbox"/> English	<input type="checkbox"/> French	<input checked="" type="checkbox"/> German	<input type="checkbox"/> Italian
	<input type="checkbox"/> Slovenian	<input type="checkbox"/> Others: please specify here which other languages are relevant		
<b>Further resources</b>				

Name of the practice	MASDE mechanism					
Good practice ,owner'	Organisation name	Generalitat Valenciana IVACE		Organisation type	Regional public authority	
	City Country	Valencia, Spain		Website	<a href="https://www.ivace.es/index.php/es/">https://www.ivace.es/index.php/es/</a>	
	Contact	n.a. (general contact on the organisation's website)				
Type of practice	<input checked="" type="checkbox"/> Policy/business support	<input type="checkbox"/>	Technology	<input type="checkbox"/>	Business model	
Sectoral relevance	<input checked="" type="checkbox"/> No specific sectors	<input type="checkbox"/>	Polymers/plastics	<input type="checkbox"/>	Wood/furniture	
	<input type="checkbox"/> Chemistry/materials	<input type="checkbox"/>	Fibres/textiles	<input type="checkbox"/>	Packaging	
Short description	<p>MASDE is a business support mechanism that implies a deployment of business support actions and tools improving strategic planning at a company level under a <b>co-creation model between companies and the main actors in the ecosystem at a sectorial level (CLUSTER-TECH INSTITUTE and RDA)</b>:</p> <ul style="list-style-type: none"> <li>MASDE allows companies to analyze their status and make a strategic reflection on their current situation.</li> <li>MASDE allows companies to establish changes in their business strategy to adapt to the new challenges in their sector.</li> <li>Work on a co-creation model with the entities that make up the territory's innovation and financing ecosystem</li> <li>MASDE Design a series of computer support tools, as well as public and private financing instruments to finance strategic planning actions.</li> </ul> <p>This framework aims at making it easier for companies to find the most appropriate strategic combination for sustainable development. At the same time, <b>it facilitates obtaining necessary funding for their sustainable investment plans.</b></p>  <p>MASDE Tool 1 – Features</p> <ul style="list-style-type: none"> <li>Design and definition of the technical content by more than 100 experts in different matters from different entities, during a series of work meetings.</li> <li>180 analysis questions divided into 6 main areas of analysis.</li> </ul>					

	<ul style="list-style-type: none"> <li>▪ 50 questions for open strategic reflection, adapted to each company in an automated way.</li> <li>▪ Flexibility in the creation and configuration of the different sectors, providing MASDE Tool 1 with differentiated criteria for each sector and sub-sector.</li> </ul>		
<b>Evidence of success</b>	<p>More than 100 companies in the textile sector in phase 1.</p> <p>11 industrial sectors are planned in the coming years.</p>		
<b>Availability of the practice or tool</b>	Is the practice or the tool accessible free of use?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
	The tool has partly been developed with European public funds and is partly available in English. IVACE is ready/interested to collaborate with transnational partners.		
<b>Languages</b>	In which language(s) is the tool available?		
	<input checked="" type="checkbox"/> English (in part)	<input type="checkbox"/> French	<input type="checkbox"/> German
	<input type="checkbox"/> Slovenian	<input type="checkbox"/> Others: Spanish	
<b>Further resources</b>	n.a.		

Name of the practice	<b>ERA Industrial technology roadmap for circular technologies and business models in the textile, construction and energy-intensive industries</b>					
Good practice ,owner'	Organisation name	European Commission Directorate-General for Research and Innovation		Organisati on type	EC	
	City Country	Brussels, Belgium		Website	<a href="https://op.europa.eu/en/publication-detail/-/publication/2b5f63b1-9d8b-11ed-b508-01aa75ed71a1/language-en/format-PDF/source-279514152">https://op.europa.eu/en/publication-detail/-/publication/2b5f63b1-9d8b-11ed-b508-01aa75ed71a1/language-en/format-PDF/source-279514152</a>	
	Contact	---				
Type of practice	<input type="checkbox"/>	Policy/business support	<input checked="" type="checkbox"/>	Technology	<input type="checkbox"/>	Business model
Sectoral relevance	<input type="checkbox"/>	No specific sectors	<input checked="" type="checkbox"/>	Polymers/plastics	<input type="checkbox"/>	Wood/furniture
	<input checked="" type="checkbox"/>	Chemistry/materials	<input checked="" type="checkbox"/>	Fibres/textiles	<input type="checkbox"/>	Packaging
Short description	<p>From the executive summary:</p> <p>This roadmap focuses on the <b>EU industrial ecosystems for textile, construction and energy-intensive industries (note: in particular chemical industries)</b>. These ecosystems stand out as they have an excessive impact on waste generation and pollution (air, soil and water pollutants) compared to their share of gross value added in the economy. Energy-intensive industries serve various value chains across different EU industrial ecosystems, influencing, among other things, their circularity.</p> <p>The roadmap analyses <b>92 technologies for circularity in these three ecosystems</b>. They address <b>all stages of a material's and product's life cycle</b> and are diverse, ranging from use of <b>bio-based or recycled materials in the textile ecosystem</b>, to additive and robotic manufacturing or telematics in the construction ecosystem, to end-of-life technologies, e.g. separation or regeneration of spent solvents, in the energy-intensive industries ecosystem. The analysis includes the <b>technology readiness levels for each of these technologies, as well as their circularity potential, economic performance, contribution to zero-pollution and possible side effects</b>.</p> <p>Some conclusions:</p> <ul style="list-style-type: none"> <li>▪ <b>For the success of the circular transformation, a life cycle approach must be adopted in the development process across all ecosystems</b></li> </ul> <p>For example, recycling technologies for construction waste are more effective when buildings are constructed using materials that can be easily traced and sorted, similarly for textiles. In order to generate systemic change, circular economy principles must be integrated into the design and development of materials. The implementation of digital technologies could speed up the application of a life cycle approach to products, enabling the reuse of materials across value chains and reducing the need for new materials.</p>					

	<p>In light of this, the European Commission is working on a plan for the design of advanced materials for innovation markets, including the three industrial ecosystems mentioned in the ERA roadmap. Digital technologies and business models play a key role in the transition of all three industrial ecosystems to the circular economy, including in data collection, material tracking and waste management (all depending on the use of traceable materials, which can be separated).</p> <ul style="list-style-type: none"> <li>▪ Digital technologies and innovative business models are crucial in the transition of the textile, construction, and energy-intensive industries towards the circular economy.</li> </ul> <p>These technologies can support data collection, material tracking, and waste management, with a focus on using traceable materials that can be easily separated. Examples of such technologies are:</p> <ul style="list-style-type: none"> <li>○ Artificial intelligence for data analysis and design</li> <li>○ Blockchain for building planning and operation</li> <li>○ Platform technologies for managing supply chains and customer relationships</li> <li>○ Virtual and augmented reality for influencing sustainable consumer behaviour.</li> </ul> <p>The upcoming digital product passports, as part of the Sustainable Products Initiative, will provide information on a product's origin, composition, and repair and disassembly options, including the recycling or disposal options for its components at end-of-life. This will pave the way for upscaling circular economy strategies, such as predictive maintenance, repair, remanufacturing, and recycling.</p>		
<b>Evidence of success</b>	Potential impact on funding programmes and investment decisions on the European, national and regional level.		
<b>Availability of the practice or tool</b>	Is the practice or the tool accessible free of use?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
<b>Languages</b>	In which language(s) is the tool available?		
	<input checked="" type="checkbox"/> English	<input type="checkbox"/> French	<input checked="" type="checkbox"/> German
	<input type="checkbox"/> Slovenian	<input type="checkbox"/> Others:	
<b>Further resources</b>	-		

Name of the practice	<b>Strategic Research and Innovation Plan for Safe and Sustainable Chemicals and Materials</b>					
Good practice ,owner'	Organisation name	European Commission Directorate-General for Research and Innovation		Organisation type	EC	
	City Country	Brussels, Belgium		Website	<a href="https://op.europa.eu/en/publication-detail/-/publication/9f04603f-534b-11ed-92ed-01aa75ed71a1/">https://op.europa.eu/en/publication-detail/-/publication/9f04603f-534b-11ed-92ed-01aa75ed71a1/</a>	
	Contact	---				
Type of practice	<input type="checkbox"/> Policy/business support	<input checked="" type="checkbox"/>	Technology	<input type="checkbox"/>	Business model	
Sectoral relevance	<input type="checkbox"/> No specific sectors	<input checked="" type="checkbox"/>	Polymers/plastics	<input type="checkbox"/>	Wood/furniture	
	<input checked="" type="checkbox"/> Chemistry/materials	<input type="checkbox"/>	Fibres/textiles	<input type="checkbox"/>	Packaging	
Short description	<p>From the executive summary:</p> <p>The current Strategic Research and Innovation Plan (SRIP) for Safe and Sustainable Chemicals and Materials highlights current research and innovation (R&amp;I) areas crucial for accelerating the transition to chemicals and materials that are safe and sustainable.</p> <p>This SRIP is a result of extensive consultations with different stakeholder groups and reflects the R&amp;I needs flagged during these consultations. It provides a <b>comprehensive outlook of R&amp;I needs for chemicals and materials across their lifecycle</b>, i.e., from production to (re)use, disposal and pollution remediation.</p> <p>Chapter 3 outlines the key enablers and cross-cutting aspects crucial for maximising the impact of future research. This encompasses green and innovative business models, including circular approaches.</p> <p>Chapter 4 lists the R&amp;I challenges linked to the design phase and builds on the work done in developing the <b>safe and sustainable by design framework for chemicals and materials</b>. Chapter 5 focuses on <b>safe and sustainable production processes</b>. The use stage of chemicals and materials requires R&amp;I to enable a reliable assessment of functionality, performance, safety and sustainability, including exposure monitoring and modelling (Chapter 6) as well as hazard (Chapter 7) and risk assessment (Chapter 8). R&amp;I needs related to the end of life of chemicals and materials emerging from the need to decontaminate and remediate pollution are addressed in Chapter 9. Chapter 10 sets out a monitoring scheme for the SRIP implementation.</p>					
Evidence of success	<p>Potential policy impact:</p> <ul style="list-style-type: none"> <li>▪ The aim of the SRIP is to guide R&amp;I funders in their decisions on investments across EU, national and private funding programmes.</li> <li>▪ It is an opportunity for a more transparent communication among all relevant actors on joint R&amp;I priorities proposed by the wider community: from academia to SMEs, large-scale industry, regulators and policymakers.</li> </ul>					

	<ul style="list-style-type: none"> <li>▪ The Commission will refer to this SRIP in the Horizon Europe work programme as an overarching strategy.</li> <li>▪ In addition, the Commission invites research and innovation funders across EU, national and private funding programmes as well as researchers and innovators to support this strategy and to contribute to its implementation.</li> </ul>		
<b>Availability of the practice or tool</b>	Is the practice or the tool accessible free of use?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
<b>Languages</b>	In which language(s) is the tool available?		
	<input checked="" type="checkbox"/> English	<input type="checkbox"/> French	<input checked="" type="checkbox"/> German <input type="checkbox"/> Italian
	<input type="checkbox"/> Slovenian	<input type="checkbox"/> Others:	
<b>Further resources</b>	-		

## ANNEX 1 - Classification of type of partners and target groups

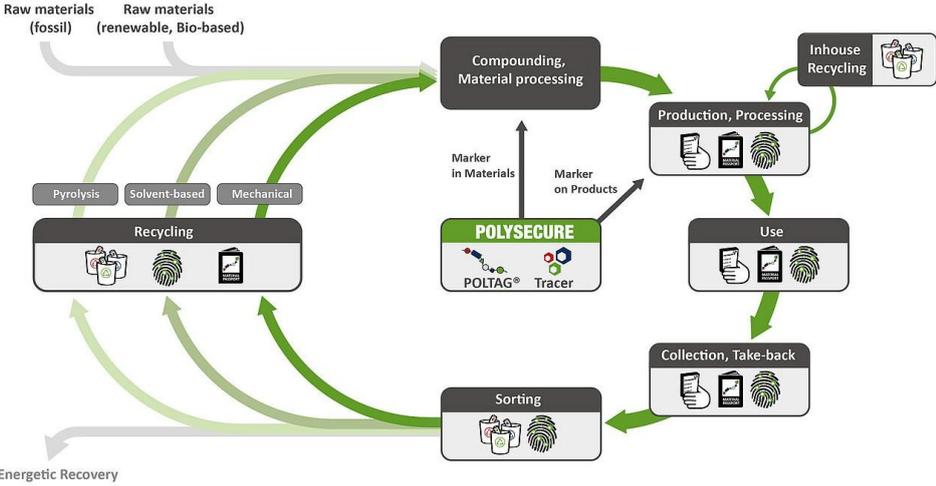
Nr	Main categories	Examples
1	Local public authority	municipality, etc.
2	Regional public authority	regional council, etc.
3	National public authority	ministry, etc.
4	Sectoral agency	local or regional development agency, environmental agency, energy agency, employment agency, etc.
5	Infrastructure and (public) service provider	public transport, utility company (water supply, electricity supply, sewage, gas, waste collection, etc.), airport, port, railway, etc.
6	Interest groups including NGOs	international organisation, trade union, foundation, charity, voluntary association, club, etc.
7	Higher education and research organisations	university faculty, college, research institution, RTD facility, research cluster, etc.
8	Education/training centre and school	primary, secondary, pre-school, vocational training, etc.
9	Enterprise, except SME	
10	SME	micro, small, medium
11	Business support organisation	chamber of commerce, chamber of trade and crafts, business incubator or innovation centre, business clusters, etc.
12	European Grouping of Territorial Cooperation (EGTC)	
13	International organisation, European Economic Interest Grouping (EEIG)	under national law, under international law
14	General public <sup>1</sup>	
15	Hospitals and medical centres	
16	Other	

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<sup>1</sup> Relevant only for target groups.

Name of the practice	<b>Technology Roadmap Sustainable Plastics Solutions</b>					
Good practice owner	Organisation name	Business Upper Austria		Organisation type	11	
	City	Linz		Website	<a href="http://Uppervision.at">Uppervision.at</a>	
	Country	Austria				
	Contact	Gamze Ilbeyi				
Type of practice	<input checked="" type="checkbox"/>	Policy/business support	<input checked="" type="checkbox"/>	Technology	<input checked="" type="checkbox"/>	Business model
	<input type="checkbox"/>	No specific sectors	<input checked="" type="checkbox"/>	Polymers/plastics	<input type="checkbox"/>	Wood/furniture
Sectoral relevance	<input type="checkbox"/>	Chemistry/materials	<input type="checkbox"/>	Fibres/textiles	<input type="checkbox"/>	Packaging
Short description	<p>Upper Austria aims to become a model region for the circular economy. Since Austria, and Upper Austria in particular has a very strong and diversified plastics industry, the focus is on implementing sustainable plastics solutions along the entire value chain. Together with business, research, and political representatives, a roadmap (strategic plan) was developed to make plastics more sustainable and circular. The workshops with stakeholders in the value chain resulted in three sets of topics with different measures that are necessary for Upper Austria to be perceived as a model region for the plastics circular economy.</p> <ul style="list-style-type: none"> <li>• Design4Circularity</li> <li>• Collection, Sorting, Recycling</li> <li>• Materials, Technologies and R&amp;D</li> </ul>					
Evidence of success	<p>Examples for qualitative and quantitative criteria</p> <ul style="list-style-type: none"> <li>- Commitment of different stakeholders from the value chain, from the regional government and policy is provided (find the companies in the report)</li> <li>- Awareness measures (Industry, Education etc.) are in work</li> <li>- Monitoring activities that are defined in the roadmap</li> </ul>					
Availability of the practice or tool	Is the practice or the tool accessible free of use?				<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
	The report is accessible for free, but only in german					
	In which language(s) is the tool available?					

<b>Lang uage s</b>	<input type="checkbox"/> English	<input type="checkbox"/> French	<input checked="" type="checkbox"/> German	<input type="checkbox"/> Italian
	<input type="checkbox"/> Slovenian	<input type="checkbox"/> Others: please specify here which other languages are relevant		
<b>Furth er resou rces</b>	<ul style="list-style-type: none"> <li>- <a href="https://www.uppervision.at/fileadmin/user_upload/Projektwebsites/uppervision/Staticse Seiten/Downloads/Sustainable Plastics Solutions Roadmap Endbericht.pdf">https://www.uppervision.at/fileadmin/user_upload/Projektwebsites/uppervision/Staticse Seiten/Downloads/Sustainable Plastics Solutions Roadmap Endbericht.pdf</a></li> <li>- <a href="https://www.jku.at/en/institute-of-polymeric-materials-and-testing/news-events/detail/news/technology-roadmap-sustainable-plastic-solutions-pressekonferenz-mit-lr-markus-achleitner-prof-land-manfred-hackl-erema-stefan-laske-greiner-packaging/">https://www.jku.at/en/institute-of-polymeric-materials-and-testing/news-events/detail/news/technology-roadmap-sustainable-plastic-solutions-pressekonferenz-mit-lr-markus-achleitner-prof-land-manfred-hackl-erema-stefan-laske-greiner-packaging/</a></li> <li>- <a href="https://www.jku.at/fileadmin/gruppen/172/Events/2022-03-29_PK_LK_TRM-Roadmap_Final.pdf">https://www.jku.at/fileadmin/gruppen/172/Events/2022-03-29_PK_LK_TRM-Roadmap_Final.pdf</a></li> </ul>			

<b>Name of the practice</b>	<b>Tracer-Based Sorting with fluorescent markers</b>			
<b>Good practice ,owner'</b>	Organisation name	<b>Polysecure GmbH</b>	Organisation type	10
	City Country	Freiburg Germany	Website	<a href="https://www.polysecure.eu/">https://www.polysecure.eu/</a>
	Contact	Jochen Moesslein, CEO		
<b>Type of practice</b>	<input type="checkbox"/> Policy/business support	<input checked="" type="checkbox"/> Technology	<input type="checkbox"/> Business model	
<b>Sectoral relevance</b>	<input type="checkbox"/> No specific sectors	<input checked="" type="checkbox"/> Polymers/plastics	<input type="checkbox"/> Wood/furniture	
	<input checked="" type="checkbox"/> Chemistry/materials	<input checked="" type="checkbox"/> Fibres/textiles	<input checked="" type="checkbox"/> Packaging	
<b>Short description</b>	<p>Innovative fluorescent material (glass-ceramic markers and organic macromolecules) for detection and sorting in order to recycle products. Materials and products can be invisibly marked, practicably authenticated and tracked to reliably sort waste streams into all desired fractions. May be used for product passport/authentication, material tracking and precise sorting.</p> 			
<b>Evidence of success</b>	Applied by Röchling Industrial for some of its plastics compounds. Comes with a hand-held detector.			
<b>Availability of the practice or tool</b>	Is the practice or the tool accessible free of use?		<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
<b>Languages</b>	In which language(s) is the tool available?			
	<input checked="" type="checkbox"/> English	<input type="checkbox"/> French	<input checked="" type="checkbox"/> German	<input type="checkbox"/> Italian
<b>Further resources</b>	<a href="https://packagingeurope.com/news/polysecure-collaboration-creates-marking-technology-for-plastic-products/8133.article">https://packagingeurope.com/news/polysecure-collaboration-creates-marking-technology-for-plastic-products/8133.article</a>			

<b>Name of the practice</b>	BioOrmocere - barrier coating for packaging					
<b>Good practice ,owner'</b>	Organisation name	<b>Fraunhofer ISC</b>		Organisation type	7	
	City	Würzburg		Website	<a href="https://www.barrier.fraunhofer.com/en.html">https://www.barrier.fraunhofer.com/en.html</a>	
	Country	Germany				
	Contact	Dr. Ferdinand Somorowsky, Head of Chemical Coating Technology				
<b>Type of practice</b>	<input type="checkbox"/>	Policy/business support	<input checked="" type="checkbox"/>	Technology	<input type="checkbox"/>	Business model
<b>Sectoral relevance</b>	<input type="checkbox"/>	No specific sectors	<input checked="" type="checkbox"/>	Polymers/plastics	<input type="checkbox"/>	Wood/furniture
	<input type="checkbox"/>	Chemistry/materials	<input type="checkbox"/>	Fibres/textiles	<input checked="" type="checkbox"/>	Packaging
<b>Short description</b>	<p>High-performance biobased and biodegradable functional layers for coating of packaging materials to improve performance of conventional bio-packaging systems. Via inorganic-organic material combinations the properties can be optimized to meet the requirements of specific products.</p> <p>More info:  <a href="http://www.barrier.fraunhofer.com/content/dam/isc/de/documents/Publikationen/Flyer_bioORMOCER.pdf">www.barrier.fraunhofer.com/content/dam/isc/de/documents/Publikationen/Flyer_bioORMOCER.pdf</a></p>					
<b>Evidence of success</b>	German Packaging Award 2020, Sustainability Awards 2020, New Plastics Economy Initiative of the Ellen MacArthur Foundation					
<b>Availability of the practice or tool</b>	Is the practice or the tool accessible free of use?			<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
	License agreement or contract production					
<b>Languages</b>	In which language(s) is the tool available?					
	<input checked="" type="checkbox"/> English	<input type="checkbox"/> French	<input checked="" type="checkbox"/> German		<input type="checkbox"/> Italian	
	<input type="checkbox"/> Slovenian	<input type="checkbox"/> Others:				
<b>Further resources</b>						

<b>Name of the practice</b>	<b>Cooperation project: "Von der Fliege zum Fisch"/" From a fly to a fish"</b>					
<b>Good practice ,owner'</b>	Organisation name	Upper Austrian Food Cluster & Insektioner/Reploid Value Solutions		Organisation type	10/11	
	City Country	Wels Austria		Website	Link to the practice (as relevant) or 'owner' website	
	Contact	Christian Teufel, Philip Pauer				
<b>Type of practice</b>	<input type="checkbox"/>	Policy/business support	<input checked="" type="checkbox"/>	Technology	<input type="checkbox"/>	Business model
<b>Sectoral relevance</b>	<input checked="" type="checkbox"/>	No specific sectors	<input type="checkbox"/>	Polymers/plastics	<input type="checkbox"/>	Wood/furniture
	<input type="checkbox"/>	Chemistry/materials	<input type="checkbox"/>	Fibres/textiles	<input type="checkbox"/>	Packaging
<b>Short description</b>	<p>The present project dealt with the development of a novel feed produced from insect protein. The protein was prepared in such a way that it can serve as a "power food" for trout and char at the juvenile stage. This feed is intended to counteract overfishing of the oceans and provide a sustainable alternative for aquaculture. Currently, fishmeal and soy products are used as feed in aquaculture. Fishmeal is often produced from waste from the fish industry but also from the by-catch of deep-sea fishing. The use of high-quality proteins, which are produced in a regional and sustainable production process, can be a real alternative. The larvae can feed on organic waste of any kind. In the present project, this included draff (the malt-containing production residue is produced during beer production). Upgrading a supposed waste product makes an important contribution to sustainability and demonstrates that resource conservation and upcycling are also possible in many food sectors. Equally, the integration into or creation of a new value chain represents an innovative form of circular economy.</p>					
<b>Evidence of success</b>	<p>In addition to the proteins obtained, the fats produced during the pressing process can also be used for high-quality applications. The excretions of the insects can also be used as substrate for plant cultivation. This results in a "zero waste product", as all production by-products can also be further processed as raw materials in various industries. As a result of the project, a regionally produced and sustainable fish feed is now on the market. Besides the renunciation of common products of the fish feed market (fish meal/soya), there is equally no more dependence on foreign producers and suppliers. This strengthens the regional added value and thereby also the region and the federal state.</p> <ul style="list-style-type: none"> <li>- The project was initiated and accompanied by the upper-austrian food cluster. In addition, the Upper Austria University of Applied Sciences and its Department of Food Technology and Nutrition were involved as scientific partners.</li> <li>- 2 Companies were involved</li> <li>- Initiation of a follow-up project concerning insect fat.</li> <li>- Scaling the manufacturing process and creating a large-scale industrial facility.</li> </ul>					
	Is the practice or the tool accessible free of use?				<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No

<b>Availability of the practice or tool</b>	No tool available; only project results and reports			
<b>Languages</b>	In which language(s) is the tool available?			
	<input type="checkbox"/> English	<input type="checkbox"/> French	<input checked="" type="checkbox"/> German	<input type="checkbox"/> Italian
<b>Further resources</b>	<input type="checkbox"/> Slovenian			
	<input type="checkbox"/> Others: please specify here which other languages are relevant			
	<ul style="list-style-type: none"> <li>- <a href="https://reploid.eu/en/value-solutions/">https://reploid.eu/en/value-solutions/</a></li> <li>- <a href="https://www.meinbezirk.at/wels-wels-land/c-lokales/insekten-als-wertvoller-rohstoff_a5560831#gallery=null">https://www.meinbezirk.at/wels-wels-land/c-lokales/insekten-als-wertvoller-rohstoff_a5560831#gallery=null</a></li> <li>- <a href="https://science.apa.at/power-search/15641709491608364920">https://science.apa.at/power-search/15641709491608364920</a></li> <li>- <a href="https://www.oekonews.at/?mdoc_id=1168141">https://www.oekonews.at/?mdoc_id=1168141</a></li> </ul>			

<b>Name of the practice</b>	EnzATex				
<b>Good practice ,owner'</b>	Organisation name	TCKT – Transfercenter für Kunststofftechnik	Organisation type	7	
	City Country	Wels, Austria	Website	<a href="https://www.tckt.at/forschungsprojekte/recycling-von-polymeren/enzatex">https://www.tckt.at/forschungsprojekte/recycling-von-polymeren/enzatex</a>	
	Contact	Christoph Burgstaller			
<b>Type of practice</b>	<input type="checkbox"/> Policy/business support	<input type="checkbox"/> Technology	<input type="checkbox"/> Business model		
<b>Sectoral relevance</b>	<input type="checkbox"/> No specific sectors	<input checked="" type="checkbox"/> Polymers/plastics	<input type="checkbox"/> Wood/furniture		
	<input type="checkbox"/> Chemistry/materials	<input checked="" type="checkbox"/> Fibres/textiles	<input type="checkbox"/> Packaging		
<b>Short description</b>	<p>In Austria, large quantities of textile waste are generated, of which only a small amount is collected sorted by type and the majority ends up in mixed waste. Used textiles in mixed waste end up almost exclusively in thermal recycling. A significant increase in the recycling rate of used textiles should therefore be aimed for. Since most textiles consist of two or more fiber types, recycling is not efficiently possible with current technologies. Therefore, the aim of the project is to solve this problem and make it possible to recycle polymers from textiles. The core of this is enzymatic hydrolysis, which separates those components from a fiber mixture that are present in small proportions so that the remaining polymer can be made available as a raw material for the textile processing chain. Depending on the polymer, a recycled fiber can be produced in a melt or solvent spinning process, which can subsequently be processed into a yarn and finally into a textile.</p> <p>In the project, partners along the entire value chain - from collection and sorting of textiles to shredding and processing, recycling, fiber and textile production, and finishing - are working to close this loop.</p> <p>The project creates the basis for the high-quality, mechanical recycling of textile waste and thus closes the cycle, which was not possible before. Based on the results generated along the entire value chain, a recycling process can be developed which, on the one hand, enables a major contribution to resource conservation and, on the other hand, also creates new sources of raw materials for textiles locally.</p>				
<b>Evidence of success</b>	<p>Examples for qualitative and quantitative criteria:</p> <ul style="list-style-type: none"> <li>- Commitment of multiple stakeholders along the entire value chain is given</li> <li>- The project was submitted in the circular economy call (upperVISION2030) and it was evaluated positively</li> <li>- The project is supported and financed by #upperVISION2030</li> </ul> <p>The project will run until 2024 and is not completed yet</p>				
	Is the practice or the tool accessible free of use?	<input type="checkbox"/> Yes		<input checked="" type="checkbox"/> No	

<b>Availability of the practice or tool</b>	The project is not finalized yet, therefore the results are not available for further use			
<b>Languages</b>	In which language(s) is the tool available?			
	<input type="checkbox"/> English	<input type="checkbox"/> French	<input checked="" type="checkbox"/> German	<input type="checkbox"/> Italian
	<input type="checkbox"/> Slovenian	<input type="checkbox"/> Others: please specify here which other languages are relevant		
<b>Further resources</b>	<ul style="list-style-type: none"> <li>- <a href="https://www.profactor.at/forschung/industrielle-assistenzsysteme/lernende-bildverarbeitung/projekte/enzatex/">https://www.profactor.at/forschung/industrielle-assistenzsysteme/lernende-bildverarbeitung/projekte/enzatex/</a></li> <li>- <a href="https://www.tckt.at/forschungsprojekte/recycling-von-polymeren">https://www.tckt.at/forschungsprojekte/recycling-von-polymeren</a></li> <li>-</li> </ul>			

<b>Name of the practice</b>	<b>SUN - Extraction of proteins from oil press cake</b>			
<b>Good practice ,owner'</b>	Organisation name	University of Applied Sciences Upper Austria	Organisation type	7
	City Country	Wels Austria	Website	<a href="https://www.fh-ooe.at/">https://www.fh-ooe.at/</a>
	Contact	Dr. Bettina Zieher		
<b>Type of practice</b>	<input type="checkbox"/> Policy/business support	<input checked="" type="checkbox"/> Technology	<input type="checkbox"/> Business model	
<b>Sectoral relevance</b>	<input checked="" type="checkbox"/> No specific sectors	<input type="checkbox"/> Polymers/plastics	<input type="checkbox"/> Wood/furniture	
	<input type="checkbox"/> Chemistry/materials	<input type="checkbox"/> Fibres/textiles	<input type="checkbox"/> Packaging	
<b>Short description</b>	<p>In the production of sunflower oil, the remaining oil press cake has a high protein content. The oil press cake is currently mainly used as animal feed. However, its composition makes it very interesting for further processing and for refeeding as an ingredient in food, pharmaceutical or cosmetic products.</p> <p>The aim of the project is to develop a sustainable process consisting of solid state fermentation followed by membrane separation technology. Solid state fermentation is used to improve the function of proteins. The membrane separation technique is used to concentrate them. The proteins are extracted using natural and environmentally friendly processes and are ideal for use in the life science sector due to their positive properties (natural and beneficial to health). The protein isolate obtained will then be used to develop new high-quality food and natural cosmetic products.</p>			
<b>Evidence of success</b>	<p>The project promotes the "upcycling" of organic residues, as they are put to a higher use and thus not wasted. Likewise, a further contribution is made to the expansion of "Responsible Technologies" at the Upper Austrian location and the increase in efficiency.</p> <p>3 companies from different sectors are collaborating on the project: a specialist in vegetable and edible oils, a baker and a cosmetics company. The University of Applied Sciences Upper Austria and the Department of Food Technology &amp; Nutrition act as scientific partners.</p> <p>The project provides important insights and builds up know-how. Currently, another similar project has just been submitted. Another project related to the upcycling of former waste products and membrane separation technology is currently in the final planning phase.</p>			
<b>Availability of the practice or tool</b>	Is the practice or the tool accessible free of use?		<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
	It's an ongoing cooperation project, so there's no tool or report available now.			
<b>Languages</b>	In which language(s) is the tool available?			
	<input type="checkbox"/> English	<input type="checkbox"/> French	<input checked="" type="checkbox"/> German	<input type="checkbox"/> Italian
	<input type="checkbox"/> Slovenian	<input type="checkbox"/> Others: please specify here which other languages are relevant		

**Further  
resources**

- <https://www.lebensmittel-cluster.at/kooperationen/cluster-kooperationsprojekte/detail/cooperation/sun-gewinnung-von-proteinen-aus-oelpresskuchen>
- <https://www.lebensmittel-cluster.at/news-presse/detail/news/lebensmittel-und-kosmetika-aus-tierfutter>

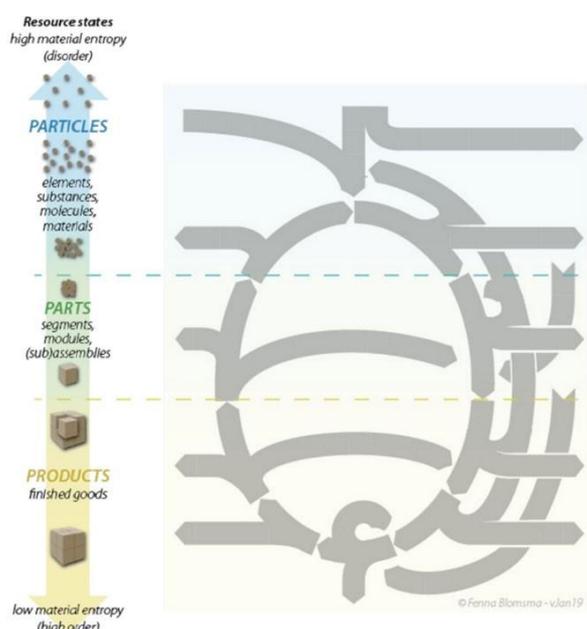
<b>Name of the practice</b>	<b>Plastipreneur</b>				
<b>Good practice ,owner'</b>	Organisation name	Plasticpreneur		Organisation type	10
	City Country	Austria		Website	<a href="#">plasticpreneur</a> - <a href="#">plastic recycling solutions</a>
	Contact	/			
<b>Type of practice</b>	<input type="checkbox"/> Policy/business support	<input checked="" type="checkbox"/>	Technology	<input type="checkbox"/>	Business model
<b>Sectoral relevance</b>	<input checked="" type="checkbox"/> No specific sectors	<input type="checkbox"/>	Polymers/plastics	<input type="checkbox"/>	Wood/furniture
	<input type="checkbox"/> Chemistry/materials	<input type="checkbox"/>	Fibres/textiles	<input type="checkbox"/>	Packaging
<b>Short description</b>	<p>A small Austrian company with the mission to provide affordable small-scale plastic recycling. The work on solutions to close the loop and make plastic circular. The work on a global level.</p> <p>Their approach is to use simple machines to start recycling workspaces to provide small-scale plastic recycling options.</p>				
<b>Evidence of success</b>	Many awards and global clients				
<b>Availability of the practice or tool</b>	Is the practice or the tool accessible free of use?			<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
<b>Languages</b>	In which language(s) is the tool available?				
	<input checked="" type="checkbox"/> English	<input type="checkbox"/> French	<input type="checkbox"/> German	<input type="checkbox"/> Italian	
	<input type="checkbox"/> Slovenian	<input type="checkbox"/> Others: please specify here which other languages are relevant			
<b>Further resources</b>					

<b>Name of the practice</b>	<b>Biobase Kompass</b>			
<b>Good practice ,owner'</b>	Organisation name	Biobase GmbH	Organisation type	SME
	City Country	St. Pölten Austria	Website	<a href="https://biobase.at/">https://biobase.at/</a>
	Contact	Thomas Timmel		
<b>Type of practice</b>	<input checked="" type="checkbox"/> Policy/business support	<input type="checkbox"/> Technology	<input type="checkbox"/> Business model	
<b>Sectoral relevance</b>	<input checked="" type="checkbox"/> No specific sectors	<input type="checkbox"/> Polymers/plastics	<input type="checkbox"/> Wood/furniture	
	<input type="checkbox"/> Chemistry/materials	<input type="checkbox"/> Fibres/textiles	<input type="checkbox"/> Packaging	
<b>Short description</b>	<p>Biobase is a platform for bioeconomy and circular economy, with the goal to push innovation in this area. They created the “Biobase Kompass”, which is a database displaying material flows in different sectors. The Kompass shows important information for the transformation of classical value chains towards biobased resources and provides background information for this transition towards bioeconomy. The focus is on biobased materials, but also fossils or minerals are included in the growing database. The Kompass is displaying different materials with the related inputs and outputs and the companies working with the materials. This information allows companies to identify alternative raw materials. Secondary raw materials and waste streams play an important role in circular economy.</p>			
<b>Evidence of success</b>	<p>The Kompass allows to get an overview of materials flows in the bioeconomy and make the biobased value chain more transparent. The interactions of different stakeholders are displayed and both SME and big companies are involved. The Kompass is mainly generating information and displaying it so, that is can be used by companies who want to find alternative raw materials. Additionally, the biobased rises awareness for biobased raw materials and the future relevance of this topic.</p>			
<b>Availability of the practice or tool</b>	Is the practice or the tool accessible free of use?		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
<b>Languages</b>	In which language(s) is the tool available?			
	<input type="checkbox"/> English	<input type="checkbox"/> French	<input checked="" type="checkbox"/> German	<input type="checkbox"/> Italian
	<input type="checkbox"/> Slovenian	<input type="checkbox"/> Others: please specify here which other languages are relevant		
<b>Further resources</b>	<a href="https://biobase.at/kompass/">https://biobase.at/kompass/</a>			

<b>Name of the practice</b>	<b>Plastics Recycling Guide</b>					
<b>Good practice ,owner'</b>	Organisation name	Transfer Center for Polymers & Business Upper Austria		Organisation type	Higher education and research organisation & Business support organisation	
	City Country	Wels / Linz Austria		Website	<a href="https://www.tckt.at/en/">https://www.tckt.at/en/</a> <a href="https://www.biz-up.at/en/">https://www.biz-up.at/en/</a>	
	Contact	Christoph Burgstaller				
<b>Type of practice</b>	<input type="checkbox"/>	Policy/business support	<input type="checkbox"/>	Technology	<input checked="" type="checkbox"/>	Business model
<b>Sectoral relevance</b>	<input type="checkbox"/>	No specific sectors	<input checked="" type="checkbox"/>	Polymers/plastics	<input type="checkbox"/>	Wood/furniture
	<input type="checkbox"/>	Chemistry/materials	<input type="checkbox"/>	Fibres/textiles	<input type="checkbox"/>	Packaging
<b>Short description</b>	<p>The Plastics Recycling Guide...</p> <p>Is a guide for the use of post-consumer recyclates (PCR) emerged from the findings of case studies. It is intended to show ways of using plastics sensibly and efficiently in accordance with a circular economy.</p> <p>The objectives of the project - in addition to increasing the appreciation and acceptance of plastics – were</p> <ul style="list-style-type: none"> <li>• to demonstrate the applicability of recyclates by manufacturing at least 3 products from recyclates.</li> <li>• The percentage of recyclates should be at least 25% for post-consumer recyclates or at least 45% for post-industrial materials, but as many recyclates as technically possible should be used.</li> <li>• The representation of demanding products, e.g. from technical packaging or in the construction sector.</li> <li>• The focus was on polyolefins.</li> </ul> <p>The guide covers the fields of use for PCR, a troubleshooting chapter, a FAQ section on recyclates and the four case studies.</p> <p>The projects on the case studies were carried out as a collaborative cluster project with seven companies covering the whole polymer value chain and two research centers. The guide addresses companies in the polymer industry and encourages them to use PCR in their products and to follow a concept of design for recycling.</p>					
<b>Evidence of success</b>	<p>The use cases met the objectives of the project by showing good practice in the reuse of polyolefin PCR in high-quality applications. One of the use cases provides the learning, that 50/50 PCR and virgin blend product did not perform as well as the 100% PCR product. The blended attempt was the first and as it failed a lot of hope was lost. One qualitative achievement of this case is not only the achieved reuse of PCR but also the learning that failure can also lead to scientific achievements.</p> <p>Since its publication in German and English the guide was spread mostly in Austria's community of polymer transforming companies and supplied knowledge and motivation for a more sensible and efficient use of plastics in accordance with a circular economy, encouraging new projects and product designs.</p>					
	Is the practice or the tool accessible free of use?				<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No

<b>Availability of the practice or tool</b>	<a href="https://www.kunststoff-cluster.at/fileadmin/user_upload/Cluster/KC/2021/Statische_Seiten/2021-05-26_Circumat_Englisch_V4.pdf">https://www.kunststoff-cluster.at/fileadmin/user_upload/Cluster/KC/2021/Statische_Seiten/2021-05-26_Circumat_Englisch_V4.pdf</a>			
<b>Languages</b>	In which language(s) is the tool available?			
	<input checked="" type="checkbox"/> English	<input type="checkbox"/> French	<input checked="" type="checkbox"/> German	<input type="checkbox"/> Italian
<b>Further resources</b>	<input type="checkbox"/> Slovenian			
	<input type="checkbox"/> Others: please specify here which other languages are relevant <ul style="list-style-type: none"> <li>- <a href="https://www.tckt.at/forschungsprojekte/recycling-von-polymeren/circumat">https://www.tckt.at/forschungsprojekte/recycling-von-polymeren/circumat</a></li> <li>- <a href="https://www.kunststoff-cluster.at/news-presse/detail/news/so-gelingt-kunststoffrecycling">https://www.kunststoff-cluster.at/news-presse/detail/news/so-gelingt-kunststoffrecycling</a> (GER)</li> </ul>			

<b>Name of the practice</b>	<b>Circularity compass</b>			
<b>Good practice ,owner'</b>	Organisation name	KIC Climate	Organisation type	10
	City Country	Amsterdam, Netherlands	Website	Internal tools used in their training offer
	Contact	/		
<b>Type of practice</b>	<input type="checkbox"/> Policy/business support	<input type="checkbox"/> Technology	<input checked="" type="checkbox"/> Business model	
<b>Sectoral relevance</b>	<input checked="" type="checkbox"/> No specific sectors	<input type="checkbox"/> Polymers/plastics	<input type="checkbox"/> Wood/furniture	
	<input type="checkbox"/> Chemistry/materials	<input type="checkbox"/> Fibres/textiles	<input type="checkbox"/> Packaging	
<b>Short description</b>	<p>The Circularity Compass provides a way to illustrate how resources flow through our economy. It supports system thinking.</p> <p>By using the tools, you map the resource flows including co-used materials or produced by-products, it pays great attention to end-of-life treatment scenarios.</p> <p>The tool can be combined and used with other tools (Big 5 structural wastes or value hill).</p> <p>The tool can be used to either analyse a sector, value chain or single company.</p> <p>This thorough analysis is the starting point for planning changes and seeing their impact on the entire system (e.g. using PESTLE)</p> <p>The tool offers quite a lot of complexity in deepness. This is needed to understand the entire system, on the other hand, the tool is not easy or ready to use by an untrained person.</p>			
<b>Evidence of success</b>	KIC Climate uses this tool in their trainings for sustainability adviser and in their work with companies. There have been showcased a lot of company examples. However, this si no public data.			
<b>Availability of the practice or tool</b>	Is the practice or the tool accessible free of use?		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
	<p>As participant of the training, we can use and share the tool and the materials freely, but they are not available on a website.</p> <p>The Circularity compass is part of the Circularity Thinking tool series developed by Blomsma, Brennan and Tennant.</p>			
<b>Languages</b>	In which language(s) is the tool available?			



	<input checked="" type="checkbox"/> English	<input type="checkbox"/> French	<input type="checkbox"/> German	<input type="checkbox"/> Italian
	<input type="checkbox"/> Slovenian	<input type="checkbox"/> Others: please specify here which other languages are relevant		
<b>Further resources</b>	We have created a drive folder with some material <a href="#">Circularity compass - OneDrive (sharepoint.com)</a>			

<b>Name of the practice</b>	<b>Eco-Lighthouse (ELH) certification scheme</b>					
<b>Good practice ,owner'</b>	Organisation name	Eco-Lighthouse Foundation		Organisation type	NGO	
	City Country	Kristiansand, Norway		Website	<a href="https://eco-lighthouse.org/">https://eco-lighthouse.org/</a>	
	Contact	n.a. (general contact on the organisation's website)				
<b>Type of practice</b>	<input checked="" type="checkbox"/>	Policy/business support	<input type="checkbox"/>	Technology	<input type="checkbox"/>	Business model
<b>Sectoral relevance</b>	<input type="checkbox"/>	No specific sectors	<input type="checkbox"/>	Polymers/plastics	<input type="checkbox"/>	Wood/furniture
	<input type="checkbox"/>	Chemistry/materials	<input type="checkbox"/>	Fibres/textiles	<input type="checkbox"/>	Packaging
<b>Short description</b>	<p>Through easily-implemented, concrete, relevant and profitable (in the widest sense: local, regional, global) measures, enterprises can improve their environmental performance, control their environmental impact and prove their dedication to corporate responsibility. <b>The Eco-Lighthouse is a tool for authorities and for small, medium-sized and large enterprises in the quest for sustainability and increased eco-efficiency.</b></p> <p>The Eco-Lighthouse certification scheme integrates environmental management and both internal and external environmental measures, into the Norwegian Regulations relating to Systematic Health, Environmental and Safety Activities in Enterprises (Internal Control Regulations). Being Eco-Lighthouse certified thus equals full compliance with the Internal Control Regulations and with the relevant environmental regulations pertaining to the enterprise.</p> <p>The Eco-Lighthouse trains, approves and monitors Eco-Lighthouse consultants, including in-house consultants if an enterprise decides that an employee should undergo training and approval.</p> <p>An enterprise wanting to become an Eco-Lighthouse is required to hire a qualified Eco-Lighthouse consultant. The environmental statement (Miljøkartlegging) is generated based on the General and Specific industry criteria selected in the ELH web portal (Miljøfyrtårnportalen). The criteria are developed in collusion with relevant government bodies, scientific communities, interest groups and major customers, identifying and addressing the relevant environmental aspects in the industry addressed. The enterprise, through the environmental statement, confirms that the relevant industry criteria have been met before certification is carried out and this is then checked by the certifier. All industry criteria must be met to achieve certification. The enterprise must, with thorough preparation and training by the consultant, complete a detailed annual Climate and environmental report (årlig Klima- og miljørapport) with relevant environmental statistics and a description of implemented environmental actions in the past year as well as those planned for the coming year (this in addition to the industry criteria).</p> <p>The Eco-Lighthouse Foundations is certified per the ISO-9001:2015 standard</p>					
<b>Evidence of success</b>	<p>The Eco-Lighthouse (ELH) certification scheme is Norway's most widely used environmental management system, with nearly 6700 valid certificates.</p> <p>Out of 430-odd Norwegian municipalities, more than 300 are fee-paying members of the Eco-Lighthouse certification scheme. In addition, several counties (there are 19) are active participants.</p>					

	The Eco-Lighthouse Foundation is the first national certification scheme in Europe to be recognised by the European Commission. The recognition verifies that the scheme holds the standard and quality on a par with international eco-labelling schemes (EMAS and ISO 14001).		
<b>Availability of the practice or tool</b>	Is the practice or the tool accessible free of use?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
	<p>Certification is subject to fees.</p> <p>Membership is also subject to fees and responsibilities for municipalities and counties.</p>		
<b>Languages</b>	In which language(s) is the tool available?		
	<input checked="" type="checkbox"/> English	<input type="checkbox"/> French	<input type="checkbox"/> German
	<input type="checkbox"/> Italian	<input type="checkbox"/> Slovenian	
	<input type="checkbox"/> Others: Norwegian		
<b>Further resources</b>	<p>The Eco-Lighthouse scheme is based on a set of general requirements, the General Industry Criteria, which apply to enterprises in all industries, and over 70 sets of criteria applicable to specific industries.</p> <p>Some of these requirements have been translated into English and are available <a href="#">here</a> for download.</p>		

<b>Name of the practice</b>	<b>GreenroomVoice</b> <b>Transparency Tool - A Framework for Sustainability Practice and Communication</b>					
<b>Good practice ,owner'</b>	Organisation name	GreenroomVoice SARL		Organisation type	SME	
	City Country	Martigny-Combe, Switzerland		Website	<a href="http://www.greenroomvoice.com">www.greenroomvoice.com</a>	
	Contact	E-Mail: <a href="mailto:hello@greenroomvoice.com">hello@greenroomvoice.com</a> Phone: +33661175126				
<b>Type of practice</b>	<input checked="" type="checkbox"/>	Policy/business support	<input type="checkbox"/>	Technology	<input type="checkbox"/>	Business model
<b>Sectoral relevance</b>	<input checked="" type="checkbox"/>	No specific sectors	<input type="checkbox"/>	Polymers/plastics	<input type="checkbox"/>	Wood/furniture
	<input type="checkbox"/>	Chemistry/materials	<input type="checkbox"/>	Fibres/textiles	<input type="checkbox"/>	Packaging
<b>Short description</b>	<p><b>GreenroomVoice (GRV)</b> was founded in 2012. It focuses on the communication of sustainability in the outdoor sports sector.</p> <p>The “independent third party organization” works at the interface between outdoor company and customers: As studies show, outdoor consumers in particular are increasingly interested in sustainable behaviour/ future, but are often unable to understand the environmental footprint and social impact of a product or service, its brand and its company. This is where GRV comes in, their <b>Objective</b> “is to foster clear, meaningful and trustworthy communication about CSR brand activities and their products.”</p> <p>The <b>expert team</b> at GRV has “backgrounds in sustainability, science, responsible management, textile engineering, communication and journalism” and “is working with extended team of professionals in the field of sustainability management, material development, production and science like e.g.: <a href="#">Mycelium - Partners for Sustainable Business Solutions</a>, <a href="#">ISPO</a>, <a href="#">MonViso Institute</a>, <a href="#">Textile Exchange</a>, <a href="#">ETH Zürich</a>.”</p> <p>GRV “<b>mainly works with passionate SME’s that pioneer true change.</b>”</p> <p><b>Transparency Tool _ A Framework for Sustainability Practice and Communication</b></p> <p>The GRV “Transparency Tool supports brands with the help of a basic framework to be aligned with the latest EU legislative developments on sustainability practice, and to identify achievements, priorities, deliverables and progress.”</p> <p>GRV/ the Transparency Tool is looking at three vectors _ Brand Management, Brand Commitment and the brand’s Products including their supply chain:</p>					

**TRANSPARENCY  
TOOL**  
2022

**BRAND  
MANAGEMENT**

Integration of Sustainability  
Certificates, Standards and Guidelines  
Social and Environmental Responsibility  
Design Process  
Sourcing Strategy  
Resource Management  
Product Transport Strategy  
Environmental & Social Projects  
Event Management  
Integration of Circular Businessmodels



**BRAND  
COMMITMENT**

Public Reporting  
Economy of Common Goods, etc  
Common Welfare Investment  
Share of «environmentally friendlier» Products  
Share of «socially responsible» Products  
Sustainable Innovation  
Stakeholder Engagement  
Life Cycle Assessments  
Accountability

**PRODUCTS**

Transparency & Traceability  
Design  
Supply Chain  
Materials  
Environmental and Social Management  
Certificates, Standards and Guidelines  
Chemical Management (PFC's)  
Animal Welfare  
Product Packaging  
Product Transport  
Warranty  
Maintenance & Care  
Life Cycle Assessments

Source illustration: <https://www.greenroomvoice.com/transparency-tool/> [02.02.2023]

The following **methodology** is used to work out the respective assessment:

1. Interview(s)
2. Analysis and checking of proof
3. Products
4. Result

The **results** generate graphics and score cards. In order to make the results comparable, the three dimensions are each rated on up to 15 points:



Source illustration: <https://www.greenroomvoice.com/transparency-tool/> [02.02.2023]

Finally the **evaluations** are published on the GRV website with the consent of the brand. See e.g. in 2021 Bergans of Norway, bleed organic clothing, VAUDE.

To summarize:

“This way a brand can communicate in a clear, trustworthy and comparable way to their own staff as well as the external world - may it be press, retailers or directly to their customer.”

<b>Evidence of success</b>	The “Transparency Tool a handy tool to verify communication about sustainable development.”		
<b>Availability of the practice or tool</b>	Is the practice or the tool accessible free of use?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
	<p>Regarding the YES, the following must be briefly stated: The Transparency Tool is outlined on the website - as listed in the text. The in-depth details - such as interview guidelines or the evaluation procedure - are not published.</p> <p>The GRV Transparency Tool is adapted annually to new developments.</p>		
<b>Languages</b>	In which language(s) is the tool available?		
	<input checked="" type="checkbox"/> English	<input type="checkbox"/> French	<input checked="" type="checkbox"/> German
	<input type="checkbox"/> Slovenian	<input type="checkbox"/> Others:	
<b>Further resources</b>	-		

## ANNEX 1 - Classification of type of partners and target groups

Nr	Main categories	Examples
1	Local public authority	municipality, etc.
2	Regional public authority	regional council, etc.
3	National public authority	ministry, etc.
4	Sectoral agency	local or regional development agency, environmental agency, energy agency, employment agency, etc.
5	Infrastructure and (public) service provider	public transport, utility company (water supply, electricity supply, sewage, gas, waste collection, etc.), airport, port, railway, etc.
6	Interest groups including NGOs	international organisation, trade union, foundation, charity, voluntary association, club, etc.
7	Higher education and research organisations	university faculty, college, research institution, RTD facility, research cluster, etc.
8	Education/training centre and school	primary, secondary, pre-school, vocational training, etc.
9	Enterprise, except SME	
10	SME	micro, small, medium
11	Business support organisation	chamber of commerce, chamber of trade and crafts, business incubator or innovation centre, business clusters, etc.
12	European Grouping of Territorial Cooperation (EGTC)	
13	International organisation, European Economic Interest Grouping (EEIG)	under national law, under international law
14	General public <sup>1</sup>	
15	Hospitals and medical centres	
16	Other	

<sup>1</sup> Relevant only for target groups.

<b>Name of the practice</b>	<b>Digital Tools for Supply Chain Traceability</b>					
<b>Good practice ,owner'</b>	Organisation name	- <b>Circularise</b> - <b>Circular</b>		Organisation type	10	
	City	- Den Haag, NL		Website	<a href="https://www.circularise.com">https://www.circularise.com</a>	
	Country	- London, UK			<a href="https://www.circular.com/">https://www.circular.com/</a>	
	Contact	No direct contact currently				
<b>Type of practice</b>	<input type="checkbox"/>	Policy/business support	<input type="checkbox"/>	Technology	<input checked="" type="checkbox"/>	Business model
<b>Sectoral relevance</b>	<input type="checkbox"/>	No specific sectors	<input checked="" type="checkbox"/>	Polymers/plastics	<input type="checkbox"/>	Wood/furniture
	<input checked="" type="checkbox"/>	Chemistry/materials	<input type="checkbox"/>	Fibres/textiles	<input checked="" type="checkbox"/>	Packaging
<b>Short description</b>	<p>- Circularise: software platform that provides end-to-end traceability and secure data exchange for industrial supply chains. Supports customers to make Materials traceable through digitization, adapt to circular economy regulations, reporting and certificates and to track CO2 footprint</p> <p>- Circular: allows to monitor inherited emissions from the supply chain, track materials, emissions and compliance using Blockchain technology</p>					
<b>Evidence of success</b>						
<b>Availability of the practice or tool</b>	Is the practice or the tool accessible free of use?				<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
	License agreement or contract prpduction					
<b>Languages</b>	In which language(s) is the tool available?					
	<input checked="" type="checkbox"/> English	<input type="checkbox"/> French	<input type="checkbox"/> German		<input type="checkbox"/> Italian	
	<input type="checkbox"/> Slovenian	<input type="checkbox"/> Others:				
<b>Further resources</b>						

<b>Name of the practice</b>	<b>Circular Economy Marketplace</b>					
<b>Good practice ,owner'</b>	Organisation name	<b>- Cirplus GmbH</b> <b>- Polymore</b>		Organisation type	10	
	City	- Hamburg		Website	<a href="https://www.cirplus.com/en">https://www.cirplus.com/en</a> <a href="https://www.polymore.com/">https://www.polymore.com/</a>	
	Country	- München				
Contact	No direct contact currently					
<b>Type of practice</b>	<input type="checkbox"/>	Policy/business support	<input type="checkbox"/>	Technology	<input checked="" type="checkbox"/>	Business model
<b>Sectoral relevance</b>	<input type="checkbox"/>	No specific sectors	<input checked="" type="checkbox"/>	Polymers/plastics	<input type="checkbox"/>	Wood/furniture
	<input checked="" type="checkbox"/>	Chemistry/materials	<input type="checkbox"/>	Fibres/textiles	<input type="checkbox"/>	Packaging
<b>Short description</b>	<p>- Cirplus: Global marketplace for recyclates and plastic waste feedstock</p> <p>- Polymore, München (Startup of KraussMaffei): B2B-Online-market place for purchase and sale of compounds/master batches/recyclates/postindustrial residues in Europe. Digital business initiation based on intelligent matchmaking.</p>					
<b>Evidence of success</b>	<p>- Cirplus: ~140 current listings of recyclates and compounds</p> <p>- Polymore: 5 current listings of recyclates (LDPE, EVA, Polyolefins) on the platform</p>					
<b>Availability of the practice or tool</b>	Is the practice or the tool accessible free of use?				<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
	Registration seems to be free of charge. I assume brokerage fees for companies offering there recyclates.					
<b>Languages</b>	In which language(s) is the tool available?					
	<input checked="" type="checkbox"/> English	<input type="checkbox"/> French	<input checked="" type="checkbox"/> German		<input checked="" type="checkbox"/> Italian	
	<input type="checkbox"/> Slovenian	<input type="checkbox"/> Others:				
<b>Further resources</b>						

<b>Name of the practice</b>	ACTIF					
<b>Good practice ,owner'</b>	Organisation name	Chambers of Commerce and Industry France		Organisation type	Business support organisation	
	City	France (national scope)		Website	<a href="https://portail.actif-cci.fr/login/">https://portail.actif-cci.fr/login/</a>	
	Country					
	Contact	contact@actif.cci.fr				
<b>Type of practice</b>	<input checked="" type="checkbox"/>	Policy/business support	<input type="checkbox"/>	Technology	<input type="checkbox"/>	Business model
<b>Sectoral relevance</b>	<input checked="" type="checkbox"/>	No specific sectors	<input type="checkbox"/>	Polymers/plastics	<input type="checkbox"/>	Wood/furniture
	<input type="checkbox"/>	Chemistry/materials	<input type="checkbox"/>	Fibres/textiles	<input type="checkbox"/>	Packaging
<b>Short description</b>	<p>ACTIF is a national platform that aims to stimulate and organise the exchange of resources and flows (materials, energy, skills) on a territorial scale.</p> <p>This interactive platform geo-locates the resources identified in a territory, detects possible synergies and ensures their follow-up. The latest version is accessible to enterprises so that they can directly exchange their excess flows. They can offer or publish requests for: any type of raw materials from waste (cardboard packaging, pallets, polystyrene, biomass, production waste etc.), human resources (legal assistant, administrative assistants etc.), energy resources (water, electricity etc.) equipment and services, lands. Works on a donation/bartering arrangements basis but possible to sell products/flows. Enterprises register anonymously.</p> <p>Target groups: local public authorities &amp; enterprises. Thanks to ACTIF and the support of CCI experts, local authorities can identify the sources of lost energy and unused waste in their area (quantity and location of resources via an interactive map) and visualise possible cooperation between companies to attract new activities in the region. ACTIF aims to foster cooperation between enterprises to create synergies between industrial sectors and collaborative innovations.</p> <p>Stakeholders: Chambers of commerce and industries, regional agencies for environment (ADEME)</p> <p>Resources needed:</p> <ul style="list-style-type: none"> <li>- Human resources : support to public administrations &amp; enterprises in using the tool is provided by the CCI advisors. IT tool.</li> <li>- Using a national nomenclature</li> </ul>					
<b>Evidence of success</b>	<p>This platform encourages the identification of the needs and resources of a territory, identify potential synergies between actors and put in relations the relevant stakeholders/actors to create synergies for a circular/local-based economy.</p> <p>Examples for qualitative criteria :</p> <ul style="list-style-type: none"> <li>- Commitment of multiple stakeholders: chambers of commerce and industries and regional public agencies</li> <li>- Works on the national nomenclature</li> </ul>					

	<ul style="list-style-type: none"> <li>- Policy awareness to local authority and support in helping them geolocalized at a local scale the lost energy resources and non-exploited wastes.</li> <li>- Services and access to circular economy available for both types of targets : public authorities and enterprises</li> </ul> <p>Examples of quantitative criteria :</p> <ul style="list-style-type: none"> <li>- 6 033 enterprises registered in march 2022</li> <li>- More than 30 000 resources identified by the platform</li> <li>- 2 workshops gathering 15 to 30 enterprises organised to foster local cooperation/ matchmaking at a local level. Increase of cooperation after the organisation of workshops.</li> <li>- Possible to organise virtual matchmaking workshops for enterprises from a specific sectors (for eg : polymers/plastics)</li> </ul> <p>Challenges/lessons learned : just a tool, still needs a strong promotion &amp; awareness campaign as well as dedicated support for enterprises and local authority to use it and implement circular economy approaches. Accessible to other countries (for example Italy) but further developments are needed to modify the nomenclature and adapt to the national needs.</p>		
<b>Availability of the practice or tool</b>	Is the practice or the tool accessible free of use?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
	free License for enterprises but not free for public authorities that needs access to geolocalisation maps and data on enterprises registered		
<b>Languages</b>	In which language(s) is the tool available?		
	<input type="checkbox"/> English	<input checked="" type="checkbox"/> French	<input type="checkbox"/> German
	<input type="checkbox"/> Slovenian	<input type="checkbox"/> Others:	
<b>Further resources</b>	Please include here any further useful information linked to the practice, such as e.g. Presentation of the tool on the website of CCI France : <a href="https://www.cci.fr/ressources/developpement-durable/economie-circulaire/ecologie-industrielle-et-territoriale/actif-la-plateforme-de-leconomie-circulaire">https://www.cci.fr/ressources/developpement-durable/economie-circulaire/ecologie-industrielle-et-territoriale/actif-la-plateforme-de-leconomie-circulaire</a>		

<b>Name of the practice</b>	<b>Chemical Research Handbook</b>					
<b>Good practice ,owner'</b>	Organisation name	Federchimica Confindustria		Organisation type	6- Interest group	
	City Country	Milan Italy		Website	<a href="https://annuario.federchimica.it/">https://annuario.federchimica.it/</a>	
	Contact	R&D Sviluppo Chimica C.Monaco@sviluppochimica.it				
<b>Type of practice</b>	<input checked="" type="checkbox"/>	Policy/business support	<input type="checkbox"/>	Technology	<input type="checkbox"/>	Business model
<b>Sectoral relevance</b>	<input type="checkbox"/>	No specific sectors	<input type="checkbox"/>	Polymers/plastics	<input type="checkbox"/>	Wood/furniture
	<input checked="" type="checkbox"/>	Chemistry/materials	<input type="checkbox"/>	Fibres/textiles	<input type="checkbox"/>	Packaging
<b>Short description</b>	<p>Federchimica is the National Federation of the Chemical Industry. Around 1,400 companies currently belong to Federchimica, for a total of over 94,000 employees, grouped into 17 sector associations, which are in turn divided into 38 product groups.</p> <p>Every year, Federchimica prepares a "Yearbook on Chemical Research" that includes information on member companies and university departments which carry out research activities for sustainability.</p> <p>Since chemical companies are strongly committed to pursuing ever greater sustainability of products and processes, reducing the impact on safety, health and the environment, the purpose of this document is to show the concrete involvement of the chemical industry on this issue.</p> <p>Federchimica first published the Yearbook in 2012 in order to give visibility to companies and universities that committed to contribute to research for sustainability.</p>					
<b>Evidence of success</b>	<p>The Chemical Research Handbook was born from an initiative of the "Sustainable Chemistry" Working Group of Federchimica. The Group "Sustainable Chemistry" has set out to address sustainable chemistry on different levels, both in a national and European context.</p> <p>At the same time, the Group intends to promote the relaunch of the Italian Technological Platform for Sustainable Chemistry "SusChem Italy" and, consequently, strengthen the links with the European context and with the mother platform "SusChem" (<a href="http://www.suschem.org/">http://www.suschem.org/</a>)</p> <p>The Group is part of the Research, Development, and Innovation Committee (Co.R.S.I.) of Federchimica, an institutional body that deals with issues related to R&amp;D in chemical companies.</p> <p>Currently the Co.R.S.I. deals with specific issues also through 3 Working Groups:</p> <ul style="list-style-type: none"> <li>- Open Innovation and Sustainability and Technology Transfer</li> <li>- Nanomaterials and Safety</li> <li>- European and national funding</li> </ul> <p>Furthermore, it supports Chemical Companies for participation in national and European tenders for R&amp;D and deals with other topics of relevance to R&amp;D, in synergy with other Associations of the Federation.</p>					

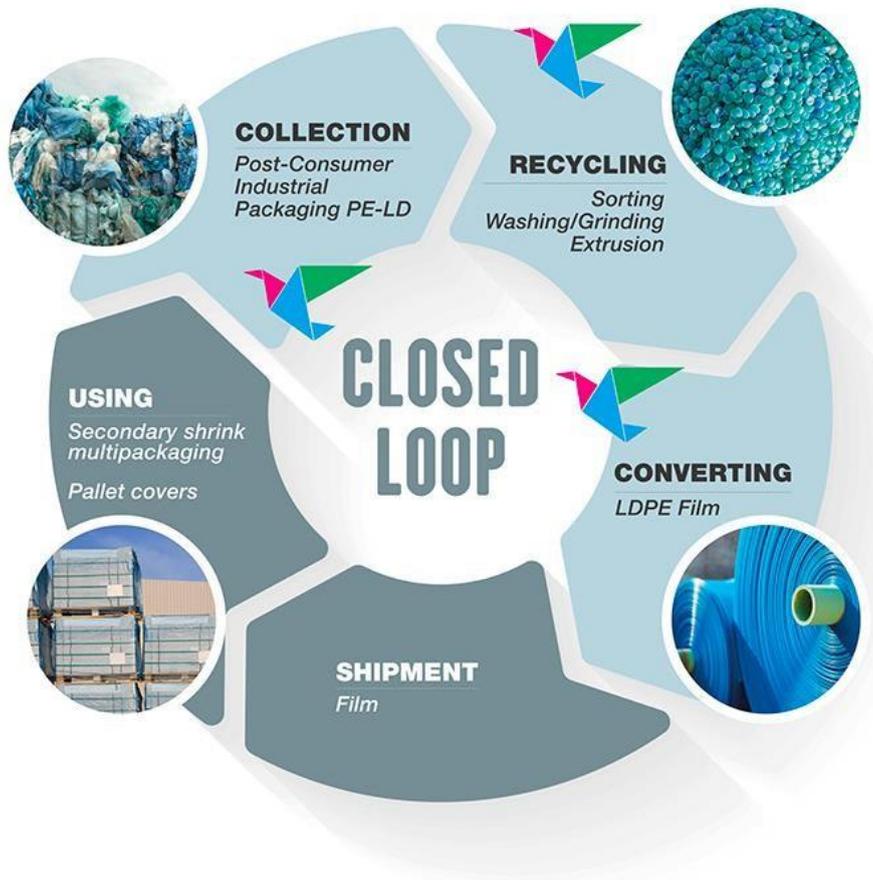
<b>Availability of the practice or tool</b>	Is the practice or the tool accessible free of use?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
<b>Languages</b>	In which language(s) is the tool available?		
	<input type="checkbox"/> English	<input type="checkbox"/> French	<input type="checkbox"/> German
	<input checked="" type="checkbox"/> Italian		
	<input type="checkbox"/> Slovenian	<input type="checkbox"/> Others: <b>please specify here which other languages are relevant</b>	
<b>Further resources</b>	<a href="https://annuario.federchimica.it/docs/default-source/annuario/annuario.pdf?sfvrsn=c0a12aa_1748">https://annuario.federchimica.it/docs/default-source/annuario/annuario.pdf?sfvrsn=c0a12aa_1748</a> <a href="http://www.suschem.org/">http://www.suschem.org/</a>		

<b>Name of the practice</b>	<b>Circular Economy Marketplace</b>					
<b>Good practice ,owner'</b>	Organisation name	<b>- Cirplus GmbH</b> <b>- Polymore</b>		Organisation type	10	
	City	- Hamburg		Website	<a href="https://www.cirplus.com/en">https://www.cirplus.com/en</a> <a href="https://www.polymore.com/">https://www.polymore.com/</a>	
	Country	- München				
Contact	No direct contact currently					
<b>Type of practice</b>	<input type="checkbox"/>	Policy/business support	<input type="checkbox"/>	Technology	<input checked="" type="checkbox"/>	Business model
<b>Sectoral relevance</b>	<input type="checkbox"/>	No specific sectors	<input checked="" type="checkbox"/>	Polymers/plastics	<input type="checkbox"/>	Wood/furniture
	<input checked="" type="checkbox"/>	Chemistry/materials	<input type="checkbox"/>	Fibres/textiles	<input type="checkbox"/>	Packaging
<b>Short description</b>	<p>- Cirplus: Global marketplace for recyclates and plastic waste feedstock</p> <p>- Polymore, München (Startup of KraussMaffei): B2B-Online-market place for purchase and sale of compounds/master batches/recyclates/postindustrial residues in Europe. Digital business initiation based on intelligent matchmaking.</p>					
<b>Evidence of success</b>	<p>- Cirplus: ~140 current listings of recyclates and compounds</p> <p>- Polymore: 5 current listings of recyclates (LDPE, EVA, Polyolefins) on the platform</p>					
<b>Availability of the practice or tool</b>	Is the practice or the tool accessible free of use?				<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
	Registration seems to be free of charge. I assume brokerage fees for companies offering there recyclates.					
<b>Languages</b>	In which language(s) is the tool available?					
	<input checked="" type="checkbox"/> English	<input type="checkbox"/> French	<input checked="" type="checkbox"/> German		<input checked="" type="checkbox"/> Italian	
	<input type="checkbox"/> Slovenian	<input type="checkbox"/> Others:				
<b>Further resources</b>						

<b>Name of the practice</b>	<b>VCG</b>					
<b>Good practice ,owner'</b>	Organisation name	<b>UWAZI Tech GmbH</b>			Organisation type	10
	City Country	Stuttgart, DE			Website	<a href="https://vcg.ai/">https://vcg.ai/</a>
	Contact	Jon Goriup, Uwazi Tech				
<b>Type of practice</b>	<input checked="" type="checkbox"/>	Policy/business support	<input type="checkbox"/>	Technology	<input type="checkbox"/>	Business model
<b>Sectoral relevance</b>	<input checked="" type="checkbox"/>	No specific sectors	<input type="checkbox"/>	Polymers/plastics	<input type="checkbox"/>	Wood/furniture
	<input type="checkbox"/>	Chemistry/materials	<input type="checkbox"/>	Fibres/textiles	<input type="checkbox"/>	Packaging
<b>Short description</b>	<p><b>Value Chain Generator (VCG.AI)</b> UWAZI Tech GmbH  Database of technology providers, material providers, value chain partners and circular solutions to connect stakeholders to share materials in circular economy. BioLink models connect companies and technology providers to share materials in circular economy. Ready-to-go AI &amp; Big Data platform for data share, networking and matchmaking. Map cluster network members and better understand their value chain challenges.</p>					
<b>Evidence of success</b>	100+ validated circular technologies in the network; marketed in 7 European countries with over 75 clusters					
<b>Availability of the practice or tool</b>	Is the practice or the tool accessible free of use?				<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
<b>Languages</b>	In which language(s) is the tool available?					
	<input checked="" type="checkbox"/> English	<input type="checkbox"/> French	<input type="checkbox"/> German		<input type="checkbox"/> Italian	
	<input type="checkbox"/> Slovenian	<input type="checkbox"/> Others:				
<b>Further resources</b>	- Access available via: <a href="#">AI &amp; Big Data platform for circular bioeconomy   VCG</a>					

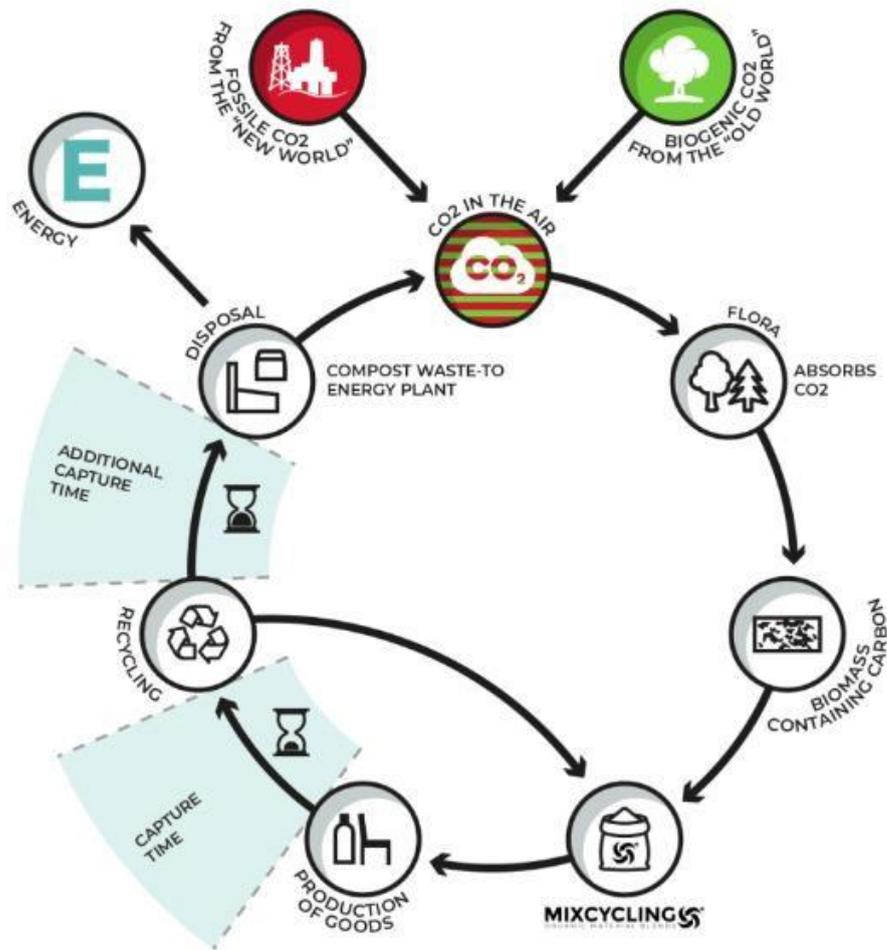
<b>Name of the practice</b>	<b>Resource Databases &amp; Innovation Platforms</b>					
<b>Good practice ,owner'</b>	Organisation name	<b>Open Access Facilities: Pilots4U BTG: Tech4Biowaste DB</b>			Organisation type	7
	City Country	Ghent, Belgium DE			Website	<a href="https://biopilots4u.eu/">https://biopilots4u.eu/</a> <a href="https://www.tech4biowaste.eu/">https://www.tech4biowaste.eu/</a>
	Contact	?? John Voss, BTG Biomass Technology Group BV				
<b>Type of practice</b>	<input checked="" type="checkbox"/>	Policy/business support	<input type="checkbox"/>	Technology	<input type="checkbox"/>	Business model
<b>Sectoral relevance</b>	<input checked="" type="checkbox"/>	No specific sectors	<input type="checkbox"/>	Polymers/plastics	<input type="checkbox"/>	Wood/furniture
	<input type="checkbox"/>	Chemistry/materials	<input type="checkbox"/>	Fibres/textiles	<input type="checkbox"/>	Packaging
<b>Short description</b>	<p>- <b>Open Access Facilities Pilots4U</b> → <b>BBI JU/Horizon 2020 funded project</b> Easily accessible database of multipurpose open access pilot and demo-infrastructures for the European bio-economy. Within this particular database, "bioeconomy" is translated into the 10 following main technologies: Industrial biotechnologies, Thermochemical conversions, Material technologies, Mechanical separations, Physicochemical separations, Pre-treatment, Pulping, Algae cultivation and harvesting, Anaerobic digestion.</p> <p>- <b>Tech4Biowaste DB:</b> → <b>BBI JU/Horizon 2020 funded project</b> Database to provide a complete overview of existing and emerging technologies with a TRL 4 and higher for biowaste utilisation and valorisation.</p>					
<b>Evidence of success</b>						
<b>Availability of the practice or tool</b>	Is the practice or the tool accessible free of use?				<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
	<a href="https://biopilots4u.eu/user/login">https://biopilots4u.eu/user/login</a> <a href="https://www.tech4biowaste.eu/wiki/Main_Page">https://www.tech4biowaste.eu/wiki/Main_Page</a>					
<b>Languages</b>	In which language(s) is the tool available?					
	<input checked="" type="checkbox"/> English	<input type="checkbox"/> French	<input type="checkbox"/> German		<input type="checkbox"/> Italian	
	<input type="checkbox"/> Slovenian	<input type="checkbox"/> Others:				
<b>Further resources</b>						

<b>Name of the practice</b>	<b>Integrated cycle- Business Model</b>				
<b>Good practice ,owner'</b>	Organisation name	Aliplast – Gruppo Hera		Organisation type	5- Service provider
	City	Treviso		Website	<a href="https://www.aliplastspa.com/ciclo-integrato">https://www.aliplastspa.com/ciclo-integrato</a>
	Country	Italy		Contact	aliplast@aliplastspa.it
<b>Type of practice</b>	<input type="checkbox"/> Policy/business support	<input type="checkbox"/> Technology	<input checked="" type="checkbox"/> Business model		
<b>Sectoral relevance</b>	<input type="checkbox"/> No specific sectors	<input checked="" type="checkbox"/> Polymers/plastics	<input type="checkbox"/> Wood/furniture		
	<input checked="" type="checkbox"/> Chemistry/materials	<input type="checkbox"/> Fibres/textiles	<input checked="" type="checkbox"/> Packaging		
<b>Short description</b>	<p>Aliplast is a leader in plastics recycling and production of flexible PE films, PET sheets and recycled polymers. Founded in 1982 in Ospedaletto di Istrana (Treviso, Italy) as a service company for the collection of plastic waste, it has progressively expanded its offer thanks to a careful and far-sighted management, combined with constant investments in research and development and the use of cutting-edge technologies, soon expanding its activity beyond the borders of the Veneto region, becoming first an Italian company and then an international group. Since 2017, Aliplast is part of Herambiente, a Hera Group company and the first national operator in the treatment and disposal of all types of waste. The Herambiente Group has always been present and active in the development of a circular economy model, increasingly minimizing the use of landfills. With approximately 6.3 million tons of waste treated each year, Herambiente has 90 certified plants and employs over 1,400 specialized operators, providing high level services that also represent a benchmark on a European scale.</p>				
<b>Evidence of success</b>	<p>Plastic is collected, recycled, and returned to the market in the form of new products. Every year Aliplast processes over 80,000 tons of plastic waste, collecting plastics waste and scraps directly from companies, using vehicles and procedures specialized in materials sorting. With their subsequent use already in mind, Aliplast sorts them on-site, based on the most suitable storage and pickup procedures. The company optimizes the use of space, limits environmental impact, and ensures the proper launch of a quality recycling process. PE, PET, PP and LDPE are transformed: the material is ground and regenerated in the form of PE granules or PET flakes and granules. The result of the process is PE film, but also rigid PET sheets, suitable even for the food industry.</p>				
<b>Availability of the practice or tool</b>	Is the practice or the tool accessible free of use?			<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
	No tools available/ business model disclosed				
<b>Languages</b>	In which language(s) is the tool available?				
	<input checked="" type="checkbox"/> English	<input type="checkbox"/> French	<input type="checkbox"/> German	<input checked="" type="checkbox"/> Italian	
	<input type="checkbox"/> Slovenian	<input type="checkbox"/> Others: please specify here which other languages are relevant			
<b>Further resources</b>	<a href="https://www.aliplastspa.com/FILES/2022_08_04_HASI_A4_ENG_WEB.pdf">https://www.aliplastspa.com/FILES/2022_08_04_HASI_A4_ENG_WEB.pdf</a>				



<b>Name of the practice</b>	<b>Name of practice or tool</b>					
<b>Good practice ,owner'</b>	Organisation name	FAVINI		Organisation type	10- SME	
	City Country	Rossano Veneto Italy		Website	<a href="https://www.favini.com/">https://www.favini.com/</a>	
	Contact	barbara.dalsasso@favini.com				
<b>Type of practice</b>	<input type="checkbox"/> Policy/business support	<input checked="" type="checkbox"/>	Technology	<input type="checkbox"/>	Business model	
<b>Sectoral relevance</b>	<input type="checkbox"/> No specific sectors	<input type="checkbox"/>	Polymers/plastics	<input type="checkbox"/>	Wood/furniture	
	<input type="checkbox"/> Chemistry/materials	<input checked="" type="checkbox"/>	Fibres/textiles	<input checked="" type="checkbox"/>	Packaging	
<b>Short description</b>	Favini offers a wide range of paper-based products of high quality. The company is particularly active on the sustainability field, managing a wide range of activities for preserving the natural resources that are pivotal for their business – one of these activities (Voiala Project) sees Favini directly involved in preserving the delicate forests that are found in Madagascar, promoting the reforesting large sterile sectors of the island, particularly near the villages. In this way, Favini aims at promoting the development of a more sustainable farming system that is respectful of the rainforest and local ecosystem. As such, the goal is also to become a model for other communities who can benefit from improved living standards, especially in rural areas. 75 hectares have already been restored so far. The process relies on the participation of the local communities and residents, who clear weeds, fertilise the soils and plant the local species for reforestation. During the years, Favini helped to plant over 150.000 plants, re-establishing the natural equilibrium of the system of the environment.					
<b>Evidence of success</b>	75 hectares of soil have already been reforested > 150.000 local trees have already been planted Direct help to farmers for rebuilding a local economy that is respectful of the environment and animals living in there					
<b>Availability of the practice or tool</b>	Is the practice or the tool accessible free of use?				<input type="checkbox"/> Yes	<input type="checkbox"/> No
	No tools available					
<b>Languages</b>	In which language(s) is the tool available?					
	<input checked="" type="checkbox"/> English	<input type="checkbox"/> French	<input type="checkbox"/> German	<input checked="" type="checkbox"/> Italian		
	<input type="checkbox"/> Slovenian	<input type="checkbox"/> Others: please specify here which other languages are relevant				
<b>Further resources</b>	The tool is not to be downloaded rather than a practice to be put in place directly on the areas of interests					

<b>Name of the practice</b>	CO2 storage					
<b>Good practice ,owner'</b>	Organisation name	Mixcycling S.r.l.		Organisation type	10- SME	
	City Country	Vicenza Italy		Website	<a href="https://mixcycling.com/sostenibilita/">https://mixcycling.com/sostenibilita/</a>	
	Contact	info@mixcycling.com				
<b>Type of practice</b>	<input type="checkbox"/> Policy/business support	<input type="checkbox"/>	Technology	<input checked="" type="checkbox"/>	Business model	
<b>Sectoral relevance</b>	<input type="checkbox"/> No specific sectors	<input type="checkbox"/>	Polymers/plastics	<input checked="" type="checkbox"/>	Wood/furniture	
	<input checked="" type="checkbox"/> Chemistry/materials	<input checked="" type="checkbox"/>	Fibres/textiles	<input type="checkbox"/>	Packaging	
<b>Short description</b>	Mixcycling is a company that uses production waste to create ecological alternative materials to plastic, applying a circular economy solution that finds application in many sectors, from packaging to automotive.					
<b>Evidence of success</b>	Through its CO2 storage project, Mixcycling aims to “prolong the Carbon Cycle” by sequestering biogenic CO2* so as to compensate, at least partly, for the fossil carbon emissions of the last 100 years. The Mixcycling process allows to “freeze” the vegetal component of plant-based raw materials and prevents its oxidation, which would lead to CO2 emissions.					
<b>Availability of the practice or tool</b>	Is the practice or the tool accessible free of use?			<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
	If no, please specify here the conditions and price for using the practice or tool: software licence, upfront single payment, etc.					
<b>Languages</b>	In which language(s) is the tool available?					
	<input type="checkbox"/> English	<input type="checkbox"/> French	<input type="checkbox"/> German		<input checked="" type="checkbox"/> Italian	
	<input type="checkbox"/> Slovenian	<input type="checkbox"/> Others: please specify here which other languages are relevant				
<b>Further resources</b>						



BIOGENICCO2STORAGE.COM

\* biogenic carbon is that which is naturally occurring in the atmosphere, not emitted by human activities.

<b>Name of the practice</b>	<b>Circular bioeconomy and soil regeneration</b>					
<b>Good practice ,owner'</b>	Organisation name	Novamont S.p.A.		Organisation type	9	
	City Country	Novara Italy		Website	https://www.novamont.com/sostenibilita-238	
	Contact	Name of contact person				
<b>Type of practice</b>	<input type="checkbox"/>	Policy/business support	<input checked="" type="checkbox"/>	Technology	<input checked="" type="checkbox"/>	Business model
<b>Sectoral relevance</b>	<input type="checkbox"/>	No specific sectors	<input checked="" type="checkbox"/>	Polymers/plastics	<input type="checkbox"/>	Wood/furniture
	<input checked="" type="checkbox"/>	Chemistry/materials	<input type="checkbox"/>	Fibres/textiles	<input checked="" type="checkbox"/>	Packaging
<b>Short description</b>	Novamont is the leading international company in the bioplastics and biochemicals sector (Mater-Bi, Matrol-Bi, Celus-Bi) Through a new sustainable development model, Novamont promotes the transition from a product economy to a system economy, relying on the valorization of local areas and on products that can redesign entire application sectors, reducing the costs of environmental and social externalities. Novamont is part of Bio-based Industries Consortium <a href="https://www.cbe.europa.eu/">https://www.cbe.europa.eu/</a>					
<b>Evidence of success</b>	Novamont promotes a bioeconomy model based on the efficient use of renewable resources and territorial regeneration. Starting from local areas, the company activates integrated biorefineries in the territories dedicated to the production of bioplastics and bioproducts from renewable sources designed to protect the soil and water, through the reconversion of industrial sites that are no longer competitive, in compliance with local specificities and in partnership with all the actors of the supply chain.					
<b>Availability of the practice or tool</b>	Is the practice or the tool accessible free of use?			<input type="checkbox"/> Yes	<input type="checkbox"/> No	
	No info available					
<b>Languages</b>	In which language(s) is the tool available?					
	<input checked="" type="checkbox"/> English	<input type="checkbox"/> French	<input type="checkbox"/> German		<input checked="" type="checkbox"/> Italian	
	<input type="checkbox"/> Slovenian	<input type="checkbox"/> Others: please specify here which other languages are relevant				
<b>Further resources</b>						

<b>Name of the practice</b>	<b>Circulytics tool</b>			
<b>Good practice ,owner'</b>	Organisation name	Way Point Light	Organisation type	10- SME
	City Country	Altivole Italy	Website	<a href="http://www.waypoint-light.com/">http://www.waypoint-light.com/</a>
	Contact	alberto@waypoint-light.com		
<b>Type of practice</b>	<input type="checkbox"/> Policy/business support	<input checked="" type="checkbox"/> Technology	<input type="checkbox"/> Business model	
<b>Sectoral relevance</b>	<input type="checkbox"/> No specific sectors	<input type="checkbox"/> Polymers/plastics	<input type="checkbox"/> Wood/furniture	
	<input type="checkbox"/> Chemistry/materials	<input type="checkbox"/> Fibres/textiles	<input type="checkbox"/> Packaging	
<b>Short description</b>	WayPoint-Light (Lumicom) is a local company that builds chandeliers. These objects are critically engineered to reach the highest standards for energy safe and material recycling and reuse. They make use of the Circulytics tool developed by the Ellen Macarthur Foundation that allows to track the company's circular economy profile and helps to take better decisions to improve critical points.			
<b>Evidence of success</b>	The use of tools like the one described above helped WayPoint Light to develop a sustainable economic product line with a detailed track of the single-chandelier components, offering a piece-by-piece monitoring of the performances of the product, dramatically reducing the wasting of electric materials while improving the durability of the product itself.			
<b>Availability of the practice or tool</b>	Is the practice or the tool accessible free of use?			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>Languages</b>	In which language(s) is the tool available?			
	<input checked="" type="checkbox"/> English	<input type="checkbox"/> French	<input type="checkbox"/> German	<input type="checkbox"/> Italian
	<input type="checkbox"/> Slovenian	<input type="checkbox"/> Others: please specify here which other languages are relevant		
<b>Further resources</b>				

<b>Name of the practice</b>	<b>Eco Valore</b>			
<b>Good practice ,owner'</b>	Organisation name	Oviessa S.p.A.	Organisation type	9- Enterprise
	City	-	Website	<a href="https://www.ovs.it/">https://www.ovs.it/</a>
	Country	Italy		
	Contact	Name of contact person		
<b>Type of practice</b>	<input type="checkbox"/> Policy/business support	<input checked="" type="checkbox"/> Technology	<input checked="" type="checkbox"/> Business model	
<b>Sectoral relevance</b>	<input type="checkbox"/> No specific sectors	<input checked="" type="checkbox"/> Polymers/plastics	<input type="checkbox"/> Wood/furniture	
	<input type="checkbox"/> Chemistry/materials	<input checked="" type="checkbox"/> Fibres/textiles	<input type="checkbox"/> Packaging	
<b>Short description</b>	Oviessa is a clothing company for men, women, and children. The name comes from the acronym of Special Sales Organization. Eco Valore is an index that was developed thanks to a project in collaboration with Padua University. Eco Valore allows customers to understand at a glance the environmental impact of each item. The index consists of three data points: water consumption and CO2 emissions, both deriving from the production process, and circularity. From 2021 Eco Valore is extended to 100% of the products sold in the e-commerce and from 2022 the Eco Valore is also shown on the digital receipt, which those who buy in the store receive with the OVSID.			
<b>Evidence of success</b>	<p>CO2 index indicates how much CO2 was emitted to make the product. To produce a t-shirt, up to 4 kg of CO2 are emitted- the same amount consumed in a 30 km journey by car. OVS is committed to reduce environmental impact: an OVS organic cotton t-shirt emits only 0.75 kg. Oviessa has also a T-shirt that got the C2C certification <a href="http://www.c2c-centre.com/product/fashion-textiles/earth-day-tshirt">http://www.c2c-centre.com/product/fashion-textiles/earth-day-tshirt</a></p> <p>Water index indicates how much water was used to produce an item. A t-shirt needs up to 1400 litres of water- like 25 showers. An OVS t-shirt in bio-cotton needs only 220 litres water.</p> <p>Circularity index: is a value ranging from 1 (least recyclable) to 10 (the most recyclable), calculated on the basis of these factors: number and type of materials used (for example: only cotton or 50% and 50% polyester, presence of linings or padding, etc.) and recyclability of individual materials (polyester is easier to recycle than cotton, for example). Besides these indexes, OVS works with recycled cotton (the yarn made from recycled fibres enhances materials that already exist, avoiding the environmental impact and energy costs associated with new cotton crops); and biological cotton (Cultivated with natural methods, without pesticides and chemical fertilizers harmful to the environment and people. The seeds are not genetically modified, and water resources are managed more efficiently than with conventional cotton, preserving the organic matter in the soil.)</p> <p>Oviessa adheres to the Better Cotton Standard, the first global programme that promotes agricultural practices that improve environmental impact and people employed in the cotton industry and value chain.</p>			
<b>Availability of the practice or tool</b>	Is the practice or the tool accessible free of use?		<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
	No info available			
<b>Languages</b>	In which language(s) is the tool available?			

	<input checked="" type="checkbox"/> English	<input type="checkbox"/> French	<input type="checkbox"/> German	<input checked="" type="checkbox"/> Italian
	<input type="checkbox"/> Slovenian	<input type="checkbox"/> Others: please specify here which other languages are relevant		
<b>Further resources</b>	<ul style="list-style-type: none"><li>- <a href="https://www.ovs.it/sostenibilita/eco-valore">https://www.ovs.it/sostenibilita/eco-valore</a></li><li>- <a href="https://www.ovs.it/sostenibilita/cotone-sostenibile">https://www.ovs.it/sostenibilita/cotone-sostenibile</a></li></ul>			

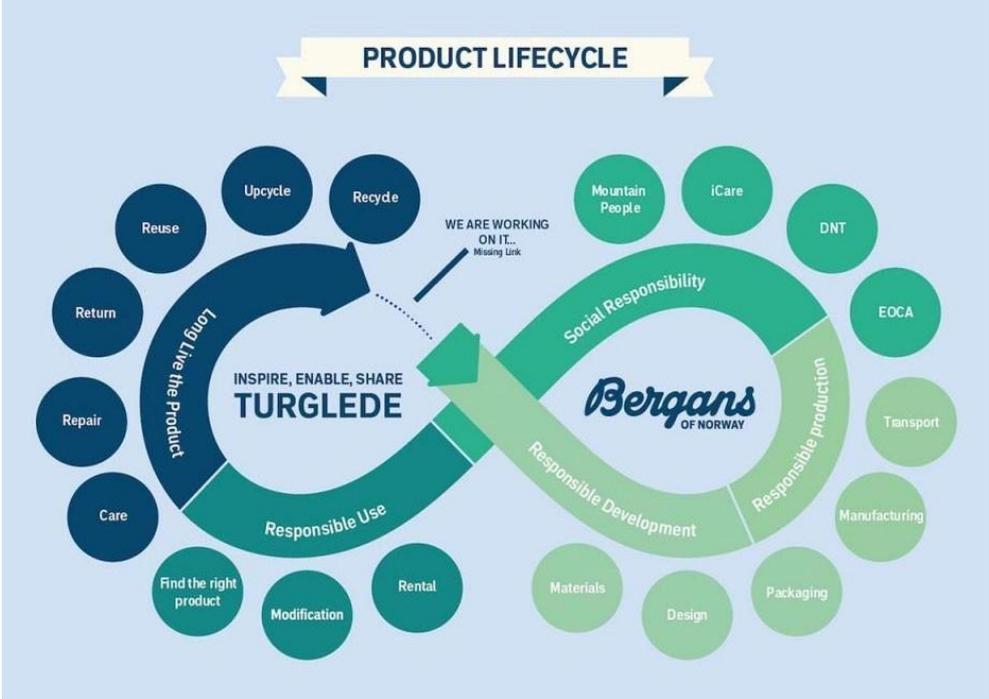
## ANNEX 1 - Classification of type of partners and target groups

Nr	Main categories	Examples
1	Local public authority	municipality, etc.
2	Regional public authority	regional council, etc.
3	National public authority	ministry, etc.
4	Sectoral agency	local or regional development agency, environmental agency, energy agency, employment agency, etc.
5	Infrastructure and (public) service provider	public transport, utility company (water supply, electricity supply, sewage, gas, waste collection, etc.), airport, port, railway, etc.
6	Interest groups including NGOs	international organisation, trade union, foundation, charity, voluntary association, club, etc.
7	Higher education and research organisations	university faculty, college, research institution, RTD facility, research cluster, etc.
8	Education/training centre and school	primary, secondary, pre-school, vocational training, etc.
9	Enterprise, except SME	
10	SME	micro, small, medium
11	Business support organisation	chamber of commerce, chamber of trade and crafts, business incubator or innovation centre, business clusters, etc.
12	European Grouping of Territorial Cooperation (EGTC)	
13	International organisation, European Economic Interest Grouping (EEIG)	under national law, under international law
14	General public <sup>1</sup>	
15	Hospitals and medical centres	
16	Other	

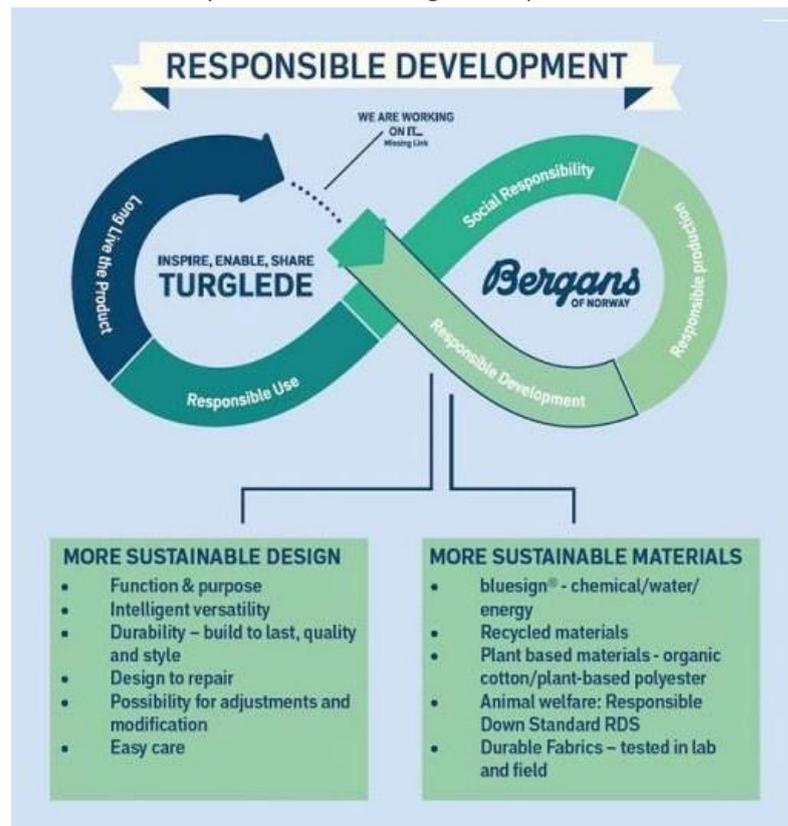
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<sup>1</sup> Relevant only for target groups.

<b>Name of the practice</b>	<b>Grass-based biorefinery</b>					
<b>Good practice ,owner'</b>	Organisation name	Biowert GmbH	Industrie	Organisation type	10	
	City Country	Brensbach, DE		Website	<a href="https://biowert.com/">https://biowert.com/</a>	
	Contact	Jens Meyer zu Drewer, CEO				
<b>Type of practice</b>	<input type="checkbox"/>	Policy/business support	<input checked="" type="checkbox"/>	Technology	<input type="checkbox"/>	Business model
<b>Sectoral relevance</b>	<input type="checkbox"/>	No specific sectors	<input type="checkbox"/>	Polymers/plastics	<input type="checkbox"/>	Wood/furniture
	<input type="checkbox"/>	Chemistry/materials	<input type="checkbox"/>	Fibres/textiles	<input type="checkbox"/>	Packaging
<b>Short description</b>	Closed-loop recycling process to manufacture plastics, insulation materials and fertilisers. The biorefinery uses meadow grass to process into green electricity and materials.					
<b>Evidence of success</b>						
<b>Availability of the practice or tool</b>	Is the practice or the tool accessible free of use?				<input type="checkbox"/> Yes	<input type="checkbox"/> No
<b>Languages</b>	In which language(s) is the tool available?					
	<input checked="" type="checkbox"/> English	<input checked="" type="checkbox"/> French	<input checked="" type="checkbox"/> German	<input type="checkbox"/> Italian		
	<input type="checkbox"/> Slovenian	<input type="checkbox"/> Others:				
<b>Further resources</b>						

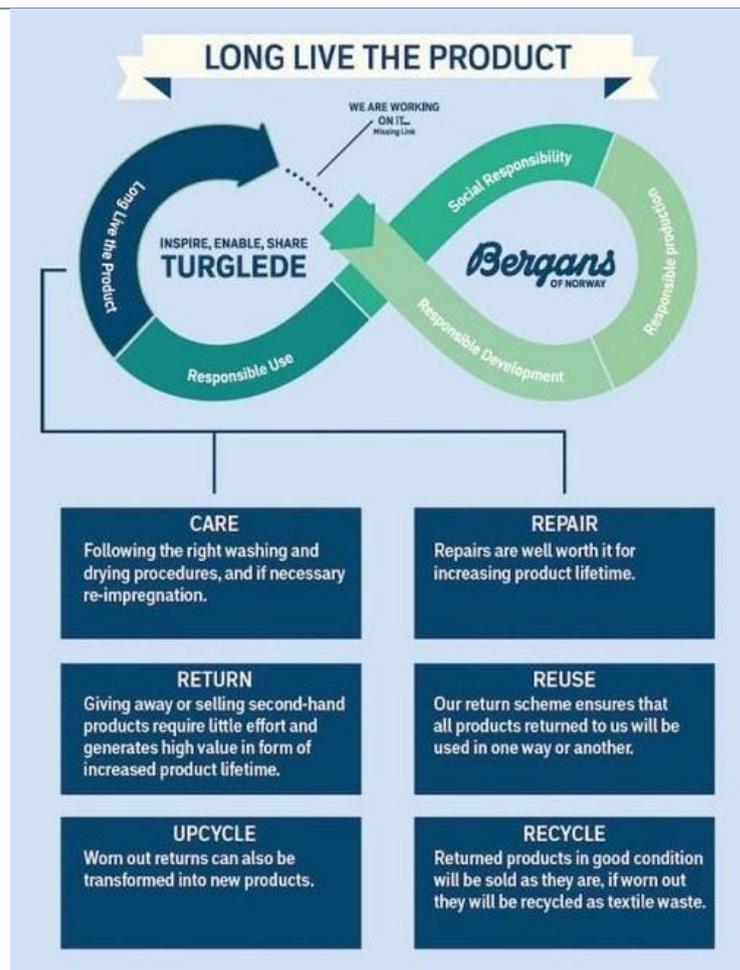
<b>Name of the practice</b>	Bergans of Norway (outdoor manufacturer) _ business model: long live the product				
<b>Good practice ,owner'</b>	Organisation name	Bergans of Norway	Organisation type	SME	
	City Country	Asker Norway	Website	<a href="https://www.bergans.com/en/">https://www.bergans.com/en/</a>	
	Contact	---			
<b>Type of practice</b>	<input type="checkbox"/> Policy/business support	<input type="checkbox"/> Technology	<input checked="" type="checkbox"/> Business model		
<b>Sectoral relevance</b>	<input type="checkbox"/> No specific sectors	<input type="checkbox"/> Polymers/plastics	<input type="checkbox"/> Wood/furniture		
	<input checked="" type="checkbox"/> Chemistry/materials	<input checked="" type="checkbox"/> Fibres/textiles	<input checked="" type="checkbox"/> Packaging		
<b>Short description</b>	<p><b>Bergans of Norway</b></p> <p>Bergans has an exciting and rich <a href="#">history</a> as an innovative manufacturer since 1908 as provider and developer of outdoor equipment and technical clothing: clothing for expeditions, outdoor, hunting, mountaineering, skiing and lifestyle; tents, sleeping mats, sleeping bags, backpacks and Ally folding canoes. Bergans employs around 200 people worldwide.</p> <p><b>Bergans responsibility _ the product lifecycle _ <a href="#">long live the product</a></b></p> <p>Bergans responsibility covers the whole product lifecycle all from product development with design and material selection, production and transport, to the user phase and even further when a product gets repaired, resold, redesigned or recycled.</p>  <p>Source illustration: <a href="https://www.greenroomvoice.com/2021/05/bergans-of-norway/">https://www.greenroomvoice.com/2021/05/bergans-of-norway/</a></p> <p>Bergans responsibility for more sustainable products starts in the <i>development phase</i>: In the product design phase one of the most important factors is the ambition to develop high quality products that have a long service life. The choice of materials also plays an important role: Bergans sources and develops more sustainable materials, pays attention to responsible</p>				

use of natural resources, animal welfare and innovation in design processes. These considerations are ultimately crucial to the ecological footprint.



Source illustration: <https://www.greenroomvoice.com/2021/05/bergans-of-norway/>

On the consumption side, the focus is on sustainable consumption in the sense of the long live the product and thus the ecological footprint. For example, Bergans rents out its products to all those who do not necessarily need to own them. They also give consumers useful tips and advice on how to care for and maintain the products. Bergans is very much interested in the reuse of products; so they can be returned to be refurbished, repaired (e.g. Bergans service contract for the purchase of clothing, Bergans' sewing tour "Tour de Sy"), redesigned or sold second-hand (e.g. Sale of used products on Black Friday).



Source illustration: <https://www.greenroomvoice.com/2021/05/bergans-of-norway/>

#### Bergans \_ Future labs

In the Future Lab Bergans is working on a solution to close the gap that exist in a product's life cycle – between recycling and new material – making it fully circular.

#### Evidence of success

#### Bergans \_ "Circular Company of the Year" (2022)

Bergans was named "Circular Company of the Year" at the annual conference *Den Store Sirkulærkonferansen* ([Great Circular Conference](#)) in Oslo 07.06.2022, organized by the *Norwegian Center for Circular Economy and Circular Norway*.

"The jury praised Bergans' investments in circular business models such as repair, collection of used products, second-hand sales, redesign and rental of hiking clothing and equipment. Bergans' sewing tour "Tour de Sy" and its collection of more sustainable Spinnova material that can also be recycled, "The Collection of Tomorrow," are also cited as good examples. The jury also highlighted Bergans' involvement in the public debate."

(Source: <https://www.oicompas.com/csr-and-sustainability/bergans-named-circular-company-of-the-year-in-norway/96768.article>)

#### Bergans \_ evaluated by GreenroomVoice (2021)

In 2021 has been evaluated by the [GreenroomVoice](#) (GRV).

#### Statement

"Bergans is a family owned business with a strong Scandinavian mindset: minimalist design, clear guidelines and innovative quality-oriented material choices. Over the last five years, they have successfully focussed their sustainability achievements according to a roadmap called "Expedition 2020". They continue to push forward

with their aspirations and are already formulating a future roadmap called "Expedition 2030".

They focus on the circular economy with the "Long live the product" project and show a strong commitment to reduce Greenhouse Gas Emissions wherever possible, by pioneering product transportation from Asia to Europe by train."

**Bergans rated BEST**

The GRV Transparency Tool looks at three vectors \_ Brand Management, Brand Commitment and the brand's Products including their supply chain. Bergans received the BEST grade with 12 out of 15 points.

**GRV TRANSPARENCY TOOL**  
**BERGANS OF NORWAY**  
2020

**BRAND COMMITMENT**

- Focus on long-term cooperation and dialogue in the supply chain, a strong production control system and a support system to assist suppliers in fulfilling the principles in their code of conduct
- Environmental reporting according to "Ethical Trade Norway"
- Bergans is reporting to and contributing to further development of the Higg Index

**BRAND MANAGEMENT**

- Bergans is privately and family owned and has a code of conduct, which was formulated with the "Ethical Trade Norway"
- bluesign® SYSTEM PARTNER and Eco Lighthouse certified for headquarters
- Strategic reduction of CO2e (climate gas emissions), good repair service with local end of use and rental options
- Bergans invests in social and environmental projects: EOCA, Mountain People, i Care, DNT (Den Norske Touristforening), Friluftsrådet, WWF

**PRODUCTS**

- Use of bluesign® APPROVED fabrics
- Limited use of PFCs (C6) only for the highly functional waterproof range
- Use of recycled polyester, polyamid, wool, down and cotton
- 100% Responsible Down Standard (RDS), implementation of the Responsible Wool Standard (RWS)
- Use of innovative materials such as Ecodear®, which is a plant-based polyester
- Investment into a highly innovative material and business model: developing a backpack with Spinnova material (woodfiber) where the consumer buys a share of the project, rather than just the backpack.

Source: <https://www.greenroomvoice.com/2021/05/bergans-of-norway/>

<b>Availability of the practice or tool</b>	Is the practice or the tool accessible free of use?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
	N/A		
<b>Languages</b>	In which language(s) is the tool available?		
	<input type="checkbox"/> English	<input type="checkbox"/> French	<input type="checkbox"/> German
	<input type="checkbox"/> Slovenian	<input type="checkbox"/> Others:	
<b>Further resources</b>	Bergans Fritid AS: Report on Responsible Business Conduct 2020. <a href="https://etiskhandel.no/wp-content/uploads/2021/04/bergans-fritid-as-baerekraftsrapport2020.pdf">https://etiskhandel.no/wp-content/uploads/2021/04/bergans-fritid-as-baerekraftsrapport2020.pdf</a>  Bergans _ more news and product awards See a lot more news on ISPO.com _ <a href="https://www.ispo.com/en/search?text=bergans">https://www.ispo.com/en/search?text=bergans</a>		

<b>Name of the practice</b>	<b>wear2wear™ textile loop</b>					
<b>Good practice ,owner'</b>	Organisation name	<b>Sympatex Technologies GmbH</b>		Organisation type	10	
	City Country	München, DE		Website	<a href="https://www.wear2wear.org/en">https://www.wear2wear.org/en</a>	
	Contact	Rüdiger Fox, CEO				
<b>Type of practice</b>	<input type="checkbox"/>	Policy/business support	<input type="checkbox"/>	Technology	<input checked="" type="checkbox"/>	Business model
<b>Sectoral relevance</b>	<input type="checkbox"/>	No specific sectors	<input type="checkbox"/>	Polymers/plastics	<input type="checkbox"/>	Wood/furniture
	<input type="checkbox"/>	Chemistry/materials	<input checked="" type="checkbox"/>	Fibres/textiles	<input type="checkbox"/>	Packaging
<b>Short description</b>	<p>Industry partnership for closing the textile loop;  Manufacturing new textiles solely from recyclable and single-origin materials. New functional apparel is manufactured with state-of-the-art production systems using recycled textiles from across Europe.  Participating companies: Sympatex, Schoeller, PrimaLoft, Climatex, EMPA, BTK, CWS, Decontex, Texaid, Carl Weiske, TWD Fibres</p>					
<b>Evidence of success</b>	Participation of 12 companies within the textile industry					
<b>Availability of the practice or tool</b>	Is the practice or the tool accessible free of use?				<input type="checkbox"/> Yes	<input type="checkbox"/> No
<b>Languages</b>	In which language(s) is the tool available?					
	<input checked="" type="checkbox"/> English	<input type="checkbox"/> French	<input checked="" type="checkbox"/> German		<input type="checkbox"/> Italian	
	<input type="checkbox"/> Slovenian	<input type="checkbox"/> Others:				
<b>Further resources</b>						

<b>Name of the practice</b>	Collection of agricultural films for closed loop					
<b>Good practice ,owner'</b>	Organisation name	ERDE (Initiative Erntekunststoffe Recycling Deutschland)		Organisation type	Infrastructure and (public) service provider	
	City	Bad Homburg		Website	<a href="https://www.erde-recycling.de/">https://www.erde-recycling.de/</a>	
	Country	Germany				
Contact	Roland Straßburger					
<b>Type of practice</b>	<input type="checkbox"/>	Policy/business support	<input type="checkbox"/>	Technology	<input checked="" type="checkbox"/>	Business model
<b>Sectoral relevance</b>	<input type="checkbox"/>	No specific sectors	<input checked="" type="checkbox"/>	Polymers/plastics	<input type="checkbox"/>	Wood/furniture
	<input type="checkbox"/>	Chemistry/materials	<input type="checkbox"/>	Fibres/textiles	<input type="checkbox"/>	Packaging
<b>Short description</b>	<p>The initiative addresses the problem of non-uniform collection schemes for agricultural plastic waste. The motivation for developing a nationwide collection system is on one hand the unique homogeneity of this postconsumer waste and on the other hand the high quality of the multilayer stretchfilms, whose producers are eager to recycle them themselves.</p> <p>Therefore, ERDE collects the agricultural plastic films at collection points from the local farmers and loops them back to the producers, who are paying partners of the initiative. Those partners are spread all over Europe and the ERDE collection system covers not only Germany, but also Switzerland since 2022.</p>					
<b>Evidence of success</b>	<p>The impact of the initiative is measurable in...</p> <p>... the quantity and quality of recycled film products on the European agricultural market. Among those are silage films out of 100% recycle. Because of ERDE the demand of the producers is met with homogeneous post-consumer waste.</p> <p>... simplification of the national collection systems, by excluding the material flow of agricultural waste, which is due to its contamination challenging to handle.</p> <p>... improvement for farmers with uniform collection system.</p> <p>ERDE is considered as a good practice on C2C because it is a joined initiative of the three stakeholders mentioned above. Also, it should be mentioned, that the collection schemes for agricultural waste vary not only between EU countries but also between region within them. Policies which force farmers to pay for collecting their mulch and silage films lead often to plowing in or dumping. Therefore, ERDE has a direct impact on the soil, which should be mentioned as fourth stakeholder. It facilitates one way of conscientious handling of high-quality plastics.</p>					
<b>Availability of the practice or tool</b>	Is the practice or the tool accessible free of use?				<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No

<b>Languages</b>	In which language(s) is the tool available?			
	<input checked="" type="checkbox"/> English	<input type="checkbox"/> French	<input checked="" type="checkbox"/> German	<input type="checkbox"/> Italian
	<input type="checkbox"/> Slovenian	<input type="checkbox"/> Others: please specify here which other languages are relevant		
<b>Further resources</b>	<ul style="list-style-type: none"> <li>- Page of ERDE in Switzerland <a href="https://www.erde-schweiz.ch/">https://www.erde-schweiz.ch/</a></li> <li>- All contributing partners <a href="https://www.erde-recycling.de/ruecknahmesystem/erde-mitglieder/">https://www.erde-recycling.de/ruecknahmesystem/erde-mitglieder/</a></li> </ul>			