



Circular and Dynamic Manufacturing Supply Chain Orchestration and Optimisation

CIRCULOOS Open Call #1 – Expression of Interest
Guidelines for Applicants

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CIRCULOOS Expression of Interest summary

When? <i>Timeframe</i>	From 31 May 2024 until March 2025
Who? <i>Target entities</i>	<ul style="list-style-type: none"> • Manufacturing SMEs (MSMEs) and micro-SMEs • DIHs or eDIHs • Academic institutes (Universities), research institutes and other not-for-profit research entities.
How? <i>Application pages</i>	<ul style="list-style-type: none"> • Matchmaking: https://ramp.eu/#/service-request/list-public (RAMP)
What? <i>Supporting activities</i>	<ul style="list-style-type: none"> • Webinar 1 – 19 June 2024 <i>Topic: CIRCULOOS Open Call 2 objectives, open call guidelines, information about RAMP & Ask me Anything (AMA).</i> • Webinar 2 – Fall 2024 <i>Topic: CIRCULOOS Open Call 2 objectives; role of DIHs.</i> • Matchmaking event – January 2025 <i>Topic: Interested parties pitch their offering and look for matches for Open Call 2</i> • Continuous Matchmaking Activities – June 2024 to March 2025 <ul style="list-style-type: none"> ○ Continuous request for service tool of RAMP: the objective is to help applicants to find partners to team up in a consortium, and apply for CIRCULOOS open call #2 ○ Search for a matching partner from the available entities in RAMP, among those who have already applied and published their interest.

Webinar #1 AMA

“Open Call 1: guidelines & info about RAMP”

19th June 2024

Webinar #2 AMA

“Open Call 2: objectives & Role of DIHs”

Fall 2024

Matchmaking event

Interested parties pitch their offer & look for matches for open Call #2

15th January 2025

Matchmaking Activities

Continuous on the RAMP platform

1 What is the CIRCULOOS project?

CIRCULOOS helps micro, small and medium-sized production companies redefine their supply chains through Circular Economy.

Understanding a single product as a resource, which undergoes multiple transformations throughout its lifetime (i.e. change), manufacturing SMEs can be seen as 'service providers' which act to transform this product. From this viewpoint, the orchestration of any number of manufacturers is a parallel example from the ICT world. The micro-services architecture model was developed to enforce an efficient management scheme over an ecosystem of services. Through well-defined service models and interfaces very efficient orchestrators can be put in place to deliver seamless interactions, while maintaining the integrity of individual services. Taking this parallelism back to the manufacturing world, CIRCULOOS develops:

- the means for all actors with a part in each phase of reuse, repair and remanufacture to describe their service models in usable data models.
- the orchestrator mechanisms to aggregate and execute services in this multi-actor ecosystem.
- the optimization logic for efficient collaboration
- the systematic and dynamic assessment of circular and sustainable profiles of products produced.
- the Marketplace, which acts as a hub for the subscription of new actors to this multi-service ecosystem and as a sustainability enabler.
- cybersecure framework for trustworthy data sharing among the supply chain actors, by extending the existing IOT RAMP platform.
- key AI and robotic functionalities to support the transition to disruptive circular products and/or services.

a. The vision & challenges to solve

Environmental and sustainability challenge

Reports indicate that doubling the circularity rate of 8.6% will cut 39% of emissions, and 28% of virgin resource usage. The manufacturing industry, which heavily relies on materials like steel, aluminum, and plastic, sees these as 30-45% of total costs. From 1995 to 2015, the share of global emissions from production materials increased from 15% to 23%. Raw material production contributes to 19% of global greenhouse gas (GHG) emissions, with waste management adding another 3%.

To achieve a reduction of 80-95% in global GHG emissions from 1990 levels by 2050, strategies must go beyond just low carbon energy and efficiency. They should include improved resource efficiency, recycling, repair, refurbishment, reuse, and overall reduction in raw material consumption, aligning with a circular economy approach.

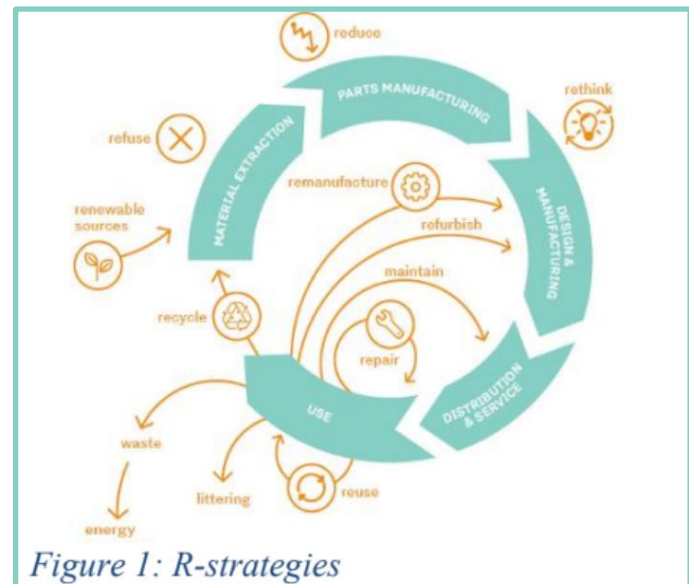
The R-strategies (Repair, Reuse, Recycle, Refurbish, Remanufacture, Repurpose) aim to extend product lifespans and minimize waste. The CIRCULOOS project focuses on these strategies, especially those that necessitate re-engineering of production processes and are challenging for small and medium-sized

enterprises (SMEs) to implement. CIRCULOOS aims to facilitate collaboration among various actors through its data management and AI tools on the RAMP platform, which helps in mapping organizational cooperation for a circular economy.

RAMP enhances factory flexibility, reduces resource usage, and allows for equipment reconfiguration (like robots and assembly lines) while maintaining quality, working conditions, delivery, and time constraints.

Market opportunity and growth challenge

“Circular economy presents a unique market opportunity upwards of \$4.5 Trillion, by 2030. Waste is designed out, and products are instead looped back into the production system at end of use. Growth is decoupled from scarce resources and materials are kept within productive use as soon as possible”¹and “is attributed to greater circulation of materials, limited waste volumes directed to landfills, driven by accelerating digitisation, increased efficiency and cost optimisation”². However, growth can be achieved only if valuable resources do not exit the supply chain as waste and only if the resources required for production are made available on time. This link reveals the connection between growth and efficient communication between the actors.



Cybersecurity challenge

The manufacturing sector is the second-most attacked industry³, yet the sector lags behind when it comes to security. Smart factories are exposed to the same vulnerabilities and attack methods/vectors, similar to what other networks face and as more and more devices are connected to the internet, factories are exposed to more Cyber Risks. Industry 4.0 organisations face new challenges, including: expanded attack surface, cybercriminals interest in industrial enterprise, underestimation of general threat levels lack of understanding of specific threats that result in suboptimal selection of controls. Such challenges cannot be addressed solely by technical approaches and solutions, focus should be placed on the people, process, and technology components of these challenges.

Necessary data sharing practices are not enabled, nor spread

The value and culture of data sharing is not fully spread and captured along the manufacturing supply chains and there is still limited evidence on how data sharing can drive circular value and contribute to the

¹<https://theprint.in/opinion/a-circular-economy-isnt-just-planet-friendly-its-a-trillion-dollar-market-opportunity/604408/>

²<https://www.globenewswire.com/news-release/2021/10/27/2321903/28124/en/Global-Waste-Recycling-and-Circular-Economy-Market-Report-2021-Revenue-was-457-14-Billion-in-2020-is-Expected-to-Expand-to-517-26-Billion-in-2021-at-a-Growth-Rate-of-13-3.html>

³<https://www.techradar.com/news/industry-40-suffering-major-security-issues>

shift to circular economy⁴. Overall, MSMEs do not fully understand the benefits of sharing data, and still need to cope with two challenging scenarios. First, the interfaces and data models in manufacturing supply chains are not standardised across data sharing ecosystems and there is no common solution compatible for all the actors. Second, cybersecurity features and data governance agreements are often developed on a case-by-case basis, the level of standardisation is also quite limited in this regard. Thus, the role of open standards and shared best practices is a cornerstone to help MSMEs address actual data sharing challenges regardless of their digitisation state.

Skills challenge - Towards CM and Industry 5.0

By 2025, 50% of all employees will need reskilling and 53 million jobs across the EU will be automated by 2030 (World Economic Forum's Future of Jobs Report⁵). 14% of manufacturing workers are at risk of unemployment (Brussevich, et al, 2020⁶), that is why upskilling towards CM is essential. Manufacturing is providing 32M jobs in 25 industrial sectors with over 2 million companies, and access to digital skills is one of the three top constraining factors for enabling digitalization, I4MS-4TS (2022)⁷ indicated that one of their main barriers was the lack of skilled employees required to adopt advanced manufacturing technologies. MSMEs need training measures and facilitate upskilling strategies to guarantee the future implementation of Circular Manufacturing adopting Industry 5.0 by SMEs where possible, upskilling them to adapt their knowledge to the new technology requirements, as teaching 'future resilient' skills can help workers adapt to automation. Reaching their targets, MSMEs require upskilling structured in a way to respond to the context manufacturing SMEs are embedded in.

b. How CIRCULOOS will solve the challenges

In the face of these challenges CIRCULOOS aims to deliver the tools to enable MSMEs to become full members of the Circular Manufacturing value chain. These tools orchestrate and continuously optimise the supply-chain end-to-end and integrate planning and execution monitoring to enable transparent and on-time communication. Combining these with direct calculation of the product sustainability and circularity profile, for both internal and external partners, this environment will enable them to configure and execute disruptive circular manufacturing processes for **sustainable production** that covers the entire **life cycle of products; either by recovering the value of product that ended-up as waste or from recycled and remanufactured products.**

To achieve this objective the project aims to deploy:

- **Circular end-to-end supply chain orchestration for collaborative workflows which incorporates planning and execution metrics** and integrates advanced and multimodal visualisation and analytics. The visualisation is delivered by comprehensive Digital Twins of the supply chains formulated, the factory processes and product design phases.

⁴ "Data sharing for circular economy in the Nordics", Nordic innovation, September 2021.

⁵ https://www3.weforum.org/docs/WEF_Future_of_Jobs_2020.pdf

⁶ <https://www.imf.org/en/Publications/WP/Issues/2020/06/12/Who-will-Bear-the-Brunt-of-Lockdown-Policies-Evidence-from-Tele-workability-Measures-Across-49479>

⁷ https://i4ms.eu/working-group-on-digital-skills-upskilling-and-reskilling-in-the-manufacturing-sector/?utm_source=rss&utm_medium=rss&utm_campaign=working-group-on-digital-skills-upskilling-and-reskilling-in-the-manufacturing-sector

- **Supply Chain Optimisation** that monitors the global (across the supply chain) and local (within the factory) processes and execution, inputs and outputs and configuration parameters, to enable data-driven AI decision making, this way supporting continuous optimisation of targeted and measured performance and sustainability parameters.
- **Dynamic Sustainability Assessment** functionalities that investigate alternative supply-chain scenarios (varying in terms of materials used, processing technologies, suppliers involved and/or activated circular economy practices) in place of the existing schemes, quickly measuring their performance in terms of environmental sustainability and circular economy profile.
- **Supply Chain Data Spaces for seamless**, multi-level data flow across the supply chain partners, supporting the reuse of materials in novel products, the extension of the life-cycle of finished products (remanufacturing), and data-driven decisions for collaboration of parties offering matching services in the most dynamic and efficient way.
- **Cybersecure and trustworthy data sharing across the supply chain** by employing a distributed, trusted and efficient Identity and Access management system, that together with the associated trust framework will coordinate the identities of all IoT objects and ensure trustworthy
- **CM specific tools** for the automatic recognition of recyclable parts by modern Machine Vision tools and Advanced Robotics, to enable optimised flows in the selection process.
- **Novel circular business processes** will be demonstrated supporting reusing, reducing, and recycling material in production and consumption systems. The new collaborative production models will provide quantifiable results on the sustainability increase across the supply chain, in terms of efficient use of raw materials, of by-products, of waste and energy and of emissions reduction.
- CIRCULOOS leverages the above with the **RAMP integrated innovation IOT** platform and the **European network** around it to deliver a CM ecosystem and platform for Manufacturing SMEs.
- **Skills upskilling and reskilling** will be provided in RAMP and through online courses, webinars, and best practice guides and success stories based on the pilots and Experiments for Demonstration (EXDs).

2 What is the CIRCULOOS Expression of Interest?

CIRCULOOS aims to establish a Circular Manufacturing (CM) ecosystem by starting from the existing RAMP DIH network of over 30 DIHs in Europe, thus becoming the European Hub for Circularity in the European regions. Circular supply chain collaboration will be demonstrated and tested in 3 pilots (internal) and over 16 demonstrators (Open Calls) for new sustainable products.

In this sense, **CIRCULOOS Expression of Interest (EOI)** - aims to engage supply chain actors from various manufacturing industries (e.g., metal, construction, electrical, furniture, leather, machinery, vehicles, wood, plastic) that want to adopt in circular business practices with complementary entities, forming Innovative Circular Supply Chains (including 2-4 actors-see below on the proposed consortium composition). Participants will adopt circular practices such as refurbishing, remanufacturing, and repurposing (R-strategies), collaborating regionally to enhance product and process circularity, and demonstrating novel or improved products with more sustainable indices.

The goal is to implement circular strategies and demonstrate innovative production processes across the supply chain partners to develop and place in the market the innovative product. These processes will necessarily integrate the operations of each supply chain, which are shared with their partners, to effectively orchestrate the selected R-strategy and most importantly measure the sustainability /circularity indices across the value chain. This approach is crucial for closing the loop in circularity and extending product lifecycles.

The experiments will focus on documenting the R-strategy of the manufacturing company targeting a specific product of whose the lifecycle needs to be extended with the above R-strategy, identifying gaps in the supply chain that need to be filled by other participants, and re-engineering the production lines of one or several of the actors as necessary to support the selected R-strategy. This re-engineering may include (examples are just indicative and do not form any recommendation) novel and valuable robotic tasks for the R-strategy that are suitable for other factories (such as specialised sorting, robotic assembly/disassembly, etc.), software or hardware extensions of existing production lines, product redesign, assembly or disassembly techniques, or product upgrading, novel methods for processing reclaimed parts before assembly, and other innovative ideas as fit. Additionally, the experiments will focus on capturing and sharing data from actor's (local) processes to the supply chain level, measuring and calculating the LCAs of the product/service across the entire supply chain. In addition the product, processes and tasks should be novel and ambitious, and convincingly justifying this by comparing to the state of the art and demonstrating the overall circularity /sustainability improvement /extension of product lifecycle versus the existing (non-circular product).

Overall, the experiments should result in new business practices and models that improve circularity indexes. The selected supply chains should adopt and validate the series of tools offered by the CIRCULOOS project and enhance them as necessary with reusable components. These components should also be useful for other circular supply chains and will be integrated into the RAMP platform.

The **Expression of Interest** represents the applicant's (non binding) *willingness* to participate to the upcoming Open Call rounds #2 & #3 and in particular the #2 which needs the formation of relevant consortia. It is intended to be used primarily as a tool for the creation of new synergies among entities active in particular business areas with the intention to form new partnerships. It is noted that Circuloos Open Calls #2 is expected to open 1st quarter of 2025) & #3 (mid 2026). All received Expressions of Interest will

be published on the RAMP Marketplace so that the interested parties can find each other and build and submit suitable, innovative supply chains of common interest. Matchmaking activities will also be supported by CIRCULOOS project but also the interested parties can connect with each other to form suitable value chains and prepare and submit applications for funding in the upcoming Open Call #2. For clarification the Open Call #3 will be open as well to invite single entities to apply to complement the 3 existing value chains of the consortium pilots.

3 Who can apply?

The CIRCULOOS EOI is open to single entities that are eligible under Horizon Europe rules, with products or services that can be implemented within the manufacturing and supply value-chain, and willing to adopt one of the R-strategies: Recycling, Remanufacturing, Repair and Refurbishment.

The following type of entities are invited to submit their interest and participate in the programme activities:

- Manufacturing European mid-caps, MSMEs and micro-SMEs (as defined in EU law – EU recommendation 2003/361⁸) with a commercial activity in the manufacturing industry as a producer, or a technology/ service supplier for applications in the manufacturing industry
- Entities that can adopt the role of: Recyclers, upcyclers, repairers, waste collectors, or other entities enabling the circular loop
- DIHs or eDIHs.
- Academic institutes (Universities), research institutes and other not-for-profit research entities.

The target areas of the supply chains include the ones related to the manufacturing industry or production lines across any industrial sector; indicatively: basic metal, electrical equipment, furniture, leather, machinery and equipment, motor vehicles, wood products, plastic, and other sectors.

Applying entities must be based in:

- The Member States (MS) of the European Union (EU), including their outermost regions.
- The Overseas Countries and Territories (OCT) linked to the Member State⁹;
- Horizon Europe associated countries (those that have signed an agreement with the EU as identified in Article 7 of the Horizon 2020 Regulation): according to the updated list published by the EC¹⁰;
- UK applicants are eligible under the conditions set by the EC for Horizon Europe participation at the time of the deadline of the call.

⁸ EC recommendation for Small and Medium- sized Enterprises (SMEs) 2003/361/.
https://ec.europa.eu/growth/smes/sme-definition_en

⁹ Entities from Overseas Countries and Territories (OCT) are eligible for funding under the same conditions as entities from the Member States to which the OCT in question is linked.

¹⁰ https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/common/guidance/list-3rd-country-participation_horizon-auratom_en.pdf

4 How to apply?

The participation in the CIRCULOOS EOI and support activities requires that all interested parties register themselves and/or their companies on the **RAMP platform**: <https://ramp.eu/#/service-request/list-public>

The registration is open at any time during the matchmaking stage (from October 2024 to March 2025). However, registering before or during the official launch of the Expression of Interest will allow more time to participate in relevant match-making events and webinars that will be held under the responsibility of CIRCULOOS.

Interested entities are also invited to pre-register on F6S, to get updates and newsletters on Open Call #2 and Open Call #3 by submitting their information at the [F6S CIRCULOOS page](#).

5 What is the offer?

Matchmaking activities All EOIs submissions will be published to facilitate collaboration, allowing parties to form value chains and apply for funding in upcoming Open Calls #2. Participants gain access to matchmaking and information activities organised by CIRCULOOS, helping them prepare applications for funding to a maximum of 240K€/team & 2-4 entities/team. These teams must include as a minimum the following activities:

Value chain activities

- one (or more) production process (real production by one manufacturing SME (or midcap)) ,
- one (or more) activity implementing at least one of the R-strategies (for example recycling, upcycling, repairing, waste collection, etc.), that means supporting the production closing the circular loop.

Supporting roles

- management
- dissemination and exploitation
- technology upgrade activity, which may be in the form of IT integration, hardware upgrade, robotics or other technology installation

These can be combined and offered by a consortium of 2-4 entities. For example, one DIH can take the activity of project management and dissemination and provision of robotic tasks to the value chain or the MSME can take the role of both the producer (manufacturing process) and the recycler/ upcycler.

Important: The value chains should be regional to demonstrate that the sustainability indices are improved (e.g. avoiding extra CO2 emissions) and that they make 'commercial sense' (e.g. transportation costs of reclaimed products and materials are minimum).

Webinars to all potential applicants

Outlining the main objectives of CIRCULOOS Expression of Interest and guidelines, and scope of subsequent open call will be presented. In addition, it will clarify the role of DIHs during the matchmaking process, and proposal preparation, as well as the potential role during the Open Call 2 implementation. It will also cover

information about the RAMP platform, its presentation, tools, the registration process, and the matchmaking opportunities, to support the ongoing formation of circular value chains (*Date to be determined*).

6 Information and applying to Open Call#2 & Open Call #3 funding

The current EOI is a first step, focusing on matchmaking activities, to facilitate access to funding that will be available in the CIRCULOOS Open Calls #2. Its main objective is to match interested parties and enable them to form the teams with the competencies described above.

Note: Participation in activities enabled by this Expression of Interest is optional and your participation in them does not constitute any guarantee of any benefit in your submission or selection to the CIRCULOOS open call #2.

Grant & maximum funding per third-party

CIRCULOOS Open Call #2 will only accept consortiums of 2-4 entities and will **fund each of them with a maximum of €60K** (see below). The applicable funding rate for every project will be **60% of the eligible costs** for profit making entities, or 100% for non-profit or academic organisations.

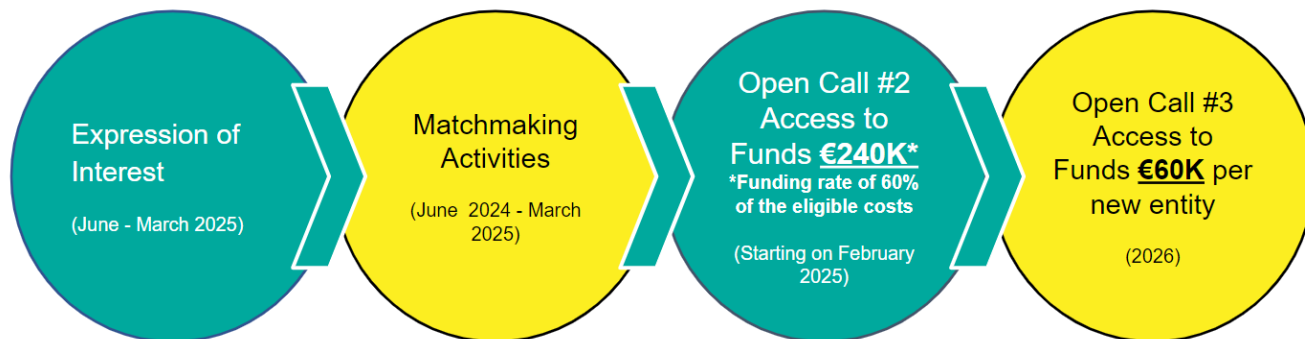
IMPORTANT NOTE: Applicants should be aware that to receive the 60% funding from CIRCULOOS Open Call #2, they must contribute 40% of their own funds.

For example, this means that OC#2 projects with 2 partners can get a maximum funding of €120K in total, with each partner getting no more than €60K. To receive this funding, the project must have an overall budget of €200K, requiring the partners (as a team) to contribute **the remaining €80K of their own money.**

Therefore, the open call will provide a maximum of **€240,000 (total lump sum) to approximately 16 consortia of maximum 4 entities**¹¹. Funds will be disbursed based upon the successful delivery of technical and business reports along the 12-month implementation program, scheduled to launch in February 2025, in a Lump Sum approach.

The CIRCULOOS Open Call #3 will enable the extension of pilots and/or newly established value chains, by inviting entities to benefit/contribute to established value-chains, extending and scaling it up to improve sustainability performance.

¹¹ up to the exhaustion of the available budget of 2,880,000€



Information clarifications regarding the concept of circular supply chains.

1. The circular supply chains should be innovative and enabled by the project, not already existing.
2. The circular supply chains should foster the exchange of data and digital cooperation of the chain nodes (businesses) or promote the optimization of internal businesses (the use of data remains critical).
3. The circular supply chains should result in novel market offerings and measurable improvements in sustainability and circularity indices across the value chain.
4. The challenge to be addressed should be clearly described and shared among the value chain nodes.
5. The business composing the value chain should show the circular process by moving products, materials and upgrading waste.

Scope and intended activities

The scope of the Circuloos experiments resulting from the Open Call #2 will be the creation and establishment of new circular supply chains. The experiments should demonstrate (at the end of the funding period):

- the composition of the supply chain,
- interaction/ communication/ coordination among the involved entities,
- use or development of own technical tools/ interventions/ adaptation to own infrastructure enabling this transition (examples are given in the text of Sec. 2 above)
- flow of goods, material quantities, timing as a demonstrator of the new supply chain
- improved sustainability indices across the value chain

It is noted that the teams onboarded from the Open Call #2 are required to use some of the technical tools offered by the Circuloos project (to be defined during the actual Open Call launch). These are:

- **Circuloos Data Platform:** collects data from the production facilities by connecting IoT devices; data is sent to a central repository hosted by European Dynamics - respecting the ownership of data; data models have been created for the entities handled by the project; the experiments will need to extend these data models if different business entities are handled by the experiment
- **Supply Chain Optimization tool (SCOPT):** is a tool that collects data from the Data Platform to calculate the optimal (or optionally sub-optimal) solutions to optimize the intra-factory logistics of the pilot or the supply chain arrangement based on the available LCA indicators provided by the GRETA tool. The 3D visualization of the proposed solutions can be presented on the SCDT.

- **Supply Chain Digital Twin (SCDT):** is a tool that simulates the factory representation and the supply chain arrangement. Collecting data from the Data Platform provides a visualized representation of the supply chain presenting the factory inputs, outputs and internal processes as well as the interaction between the factories in the supply chain. SCDT can also simulate optimized solutions for the factory or the supply chain provided by the SCOPT.
- **Supply Chain Orchestrator:** orchestrator of business and manufacturing processes using Business Process Models; it is backed by a cloud deployment of the Camunda Engine and uses standard Business Process Management Notation (BPMN)
- **RAMP Marketplace:** acts as the entry point for accessing the technical tools of the Circuloos platform, the registration of businesses adopting circularity practices, their interaction (in the form of establishing new business relationships) and the finding of available resources or potential collaborators
- **LifeCycle Assessment Tool (GRETA):** retrieves data, mainly LCI (Life Cycle Inventory), calculates environmental indicators, and reports these assessments back to the Circuloos Data Platform. This data can be utilized by other tools, such as Supply Chain Optimization, to perform various analyses and optimizations at both the factory process and supply chain levels. GRETA may also directly interact with end users, including sustainability experts from MSMEs, workers, and employees, through the front end, providing valuable insights into the environmental impacts of specific processes and products.

7 Data protection

This Data Protection Policy notice states how European Dynamics S.A., owner and operator of the online platform “RAMP”, collects, uses, and discloses your personal data. It also defines your rights under the General Data Protection Regulation (GDPR).

Information we collect:

The personal data processed in RAMP depends on the extent that the user wants to use the RAMP services, and is the following:

- For user registration, the following data is required:
 - First name
 - Last name
 - E-mail
- Fields that users may optionally fill in, if they want them to appear as information in their public profile are:
 - Role in the organisation
 - Country
 - Linked company or organization (e.g. employer)

How we use your data:

Personal data is processed in order to provide the following services:

- Provide an online catalogue to find manufacturing, automation technology and consultancy companies and products.
- Enable service requests that are created by manufacturing companies, in which service providers (i.e., automation technology and consultancy services organisations) make proposals/offers. The goal is in the end that a partnership (service contract) is established between the two parties. Upon explicit user selection, a service request may be public, accessible by any RAMP registered user, or by invitation, to user-selected users with an organisation profile registered in RAMP.
- Allow users to use 3rd -party tools (applications), without the need to register again, but authenticate by using their RAMP account. User consent is required on every occasion when the service is used for the first time with a 3rd -party tool.
- Provide support on using RAMP.
- Improve RAMP functionalities.

Legal basis for processing:

The data processing is based on the explicit consent you provide during signing up to RAMP and by using the RAMP services, and is thus subject to the lawful processing provided by GDPR Art. 6, paragraph (1), points (a), (b) and (f). This concerns the legitimate interests of aggregating data that is used for the improvement of the RAMP functionalities, resolving software bugs, providing matchmaking services between manufacturers, requesting a service and service providers with appropriate expertise to provide such services, and assisting users when they request support through the RAMP contact form.

Where we store your data:

We maintain your personal information only in electronic form in our secure infrastructure, in the EEA. Personal data is stored and processed in European Dynamics ISO27001:2013-certified infrastructure. This includes industry standard security measures to ensure regulated access and resilience of information processed, including well-defined and documented information security policy and controls, technical controls such as those specified by established frameworks like Cyber Essentials, encryption and/or pseudonymisation when appropriate, backup, data partitioning, application-level protection and restoration process for personal data.

Data retention:

Data is retained until the user or their company/organisation is deleted from the RAMP Marketplace. This is triggered by the user's request, user self-deletion through the RAMP User Interface, or by the RAMP administrators. There is no further data retention period.

Data sharing:

Data may be shared in the following occasions:

- First name and last name may be shared during matchmaking activities and exchange of messages within RAMP. While the recipients cannot be predefined, the user dynamically decides the recipients of this data by actively engaging in message exchange with the said recipients.
- First name, last name, e-mail address and organization may be shared with 3rd -party tools (applications) to enable the use of those tools with a RAMP account. While the recipients cannot be predefined, the user dynamically decides the recipients of this data by actively launching the function and providing explicit consent on the specific data share.

Your Data protection rights:

You have certain rights under the General Data Protection Regulation (GDPR) in relation to your personal data. These include the right to:

- Access: Request a copy of the personal data we maintain about you.
- Rectification: Request that we correct any inaccurate or incomplete personal data we maintain about you.
- Erasure: Request that we erase your personal data.
- Restriction of Processing: Request that we restrict the processing of your personal data.
- Object to Processing: Object to our processing of your personal data.
- Data Portability: Request that we transfer your personal data to another organization or directly to you.

To exercise any of these rights, please contact us using the online form in the ‘Contact Us’ section in RAMP.

Changes to the Notice:

We reserve the right to update this Notice at any time, without any prior notification. You may determine if any such revision has taken place by referring to the date on which this Notice was last updated. Your continued collaboration in the context of our agreed activities constitutes your acknowledgement and acceptance of such changes.

8 Contacts

- Contact: circuloos.eu@gmail.com
- Register via: <https://ramp.eu/#/service-request/list-public>
- More info at: <https://circuloos.eu/>

Legal Disclaimer

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CIRCULOods



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