

D2.3 FIRST INTERMEDIATE REPORT ON THE CONSTRUCTION ECOSYSTEM PORTFOLIO

WP2 – CONNECT: ENGAGE WITH ALL
STAKEHOLDERS



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List of abbreviations

ACC – Acciona Construcción

CAP – Cap Digital

CDW – Construction and demolition waste

CSTB – Centre Scientifique et Technique du Bâtiment

CVUT – Czech university of technology (from CZ “České vysoké učení technické”)

EC – European Commission

EC – European Commission

EIGD – Eiffage

FAC – Fly Ash Concrete

GA – Grant Agreement

HRB – Horizon Results Booster

LUA – Lundhagem architects

MGP – Metropole du Grand Paris

MNORD – Museum Nord

NGE – Nouvelles Générations d’Entrepreneurs

PEMD – Produits, Equipements, Matériaux et Déchets

PG – Project Group

RAC – Recycled Aggregate Concrete

RENO – Reno-vest

SEN – Smart Engineering

SIT – Sitowie

UGE – University Gustave Eiffel

UiT– The Arctic University of Norway

UPC – Universitat Politècnica de Catalunya

World Green Building Council – WGBC

WP – Work Package

1 Executive summary

The *First intermediate report on the construction ecosystem portfolio (D2.3)* focuses on initial stakeholder mapping, and provides an overview per pilot and cross-pilot (WP4).

The *Second intermediate report on the construction ecosystem portfolio (D2.4)* will include a milestone achievement, specifically addressing Grant Agreement Milestone 8, due in month 35, with particular attention to the large number of stakeholders involved. It will include an engaging graphic brochure that details identified clusters, networks, initiatives, projects, and policymakers, designed for distribution to and use by other initiatives.

The *Final report on the construction ecosystem portfolio (D2.5)* will present the completed version of this brochure.

2 Introduction

The WP2 methodology (see D2.1 *Engagement strategy*) is structured around four key actions: Identifying, Involving, Analyzing, and Evaluating stakeholders in the construction sector to promote circular economy practices.

1. **Identifying:** CIRC-BOOST will pinpoint relevant stakeholders (NGOs, think tanks, academia, companies, and clusters) with interests in sustainable practices, circularity, and regulatory change in the construction industry. Using the Circular Cities and Region Initiative (CCRI) and Horizon cluster projects as resources, a stakeholder database will be created and regularly updated.
2. **Involving:** An outreach campaign will engage identified stakeholders, inviting them to participate in the CIRC-BOOST ecosystem. The goal is to collaborate on activities, such as co-hosted events, newsletters, and circular economy initiatives in construction.
3. **Analyzing:** The stakeholder database will serve as a basis for mapping the European construction ecosystem. CIRC-BOOST partners will use this map to identify synergies, track innovation, and align CIRC-BOOST outcomes with similar projects to avoid redundancy.
4. **Evaluating:** A review of the methodology will ensure alignment with new industry developments, update progress, and refine strategies. Monitoring tools and expected results will guide ongoing improvements.

Deliverables include:

- Construction Ecosystem Portfolio: Three reports at M18, M36, and M45.
- Policy Briefs: interim report at M24 and final at M45.
- Networking Activities Report: Three updates at M18, M36, and M48.

These reports will disseminate insights and encourage the construction sector to adopt circular economy practices.

This document (D2.3) provides a comprehensive overview of the current stakeholder landscape, encompassing various pilots and aligned initiatives that contribute to the project's goals.

The first section will detail the CIRC-BOOST pilots and WP4 pilots' key stakeholders. Additionally, the report will explore the sister projects and other relevant European programmes that complement the CIRC-BOOST objectives. By mapping these stakeholders and initiatives, the Task T2.2 *Construction ecosystem mapping* aims to create a clear framework for both effective collaboration and information dissemination.

In addition to the pilots focus, the report explores synergies through the sister project group (PG), an initiative that includes CIRC-BOOST and similar projects under the CCRI. An initial stakeholder analysis within this group sheds light on critical areas for engagement, identifying primary stakeholders and addressing potential challenges in outreach and dissemination.

The final sections assess the methodology (D2.1), outcomes, and next steps for stakeholder engagement.

3 Overview of the current stakeholder landscape

Each pilot was asked to present an initial analysis of their respective stakeholders. The WP2 meeting on November 6th also facilitated an exchange of methodologies. Pilots 4 and 5 utilized the cross-pilot Stakeholder mapping template from WP4 for their follow-up stakeholder engagement. Each partner was also requested to complete the table provided in D2.1 *Engagement strategy*, identifying the organizations and initiatives (EU projects or others) they are involved in that could benefit the Circ-Boost ecosystem. Based on these inputs, the following section presents the initial stakeholder mapping for each pilot. Together, these mappings form the Circ-Boost ecosystem and provides insight into the dynamics of connections between pilots, initiatives, stakeholders, third parties, and more.

3.1 Pilot 1

The old Enmasa/Mercedes-Benz plant in Barcelona, covering 90,000 m², will transform into Barcelona's first eco-district under the city's Green Deal. The 185,000 m² redevelopment includes 50% green spaces, 100% recycled materials, and energy-efficient designs reducing cooling and heating needs by 66% and 23%, respectively. This Industry 4.0 park and residential hub will repurpose existing structures sustainably despite challenges posed by its complex architecture. Soil contamination from previous industrial use will require remediation, opening opportunities for innovative soil cleanup methods and sustainable urban development in the area. The pilot 1 aims to achieve over 90% material recovery and traceability in a Barcelona demolition project using BIM-based selective demolition and decontamination techniques. Recovered materials will be repurposed into high-value applications with a Sustainability Index 40% higher than current best practices, enhancing economic, environmental, and social impacts.

The lead partner of the pilot is UPC. Other CIRC-BOOST partners involved in the pilot include ACC, CDE, SEN, and TESIS. The Pilot 1 consortium consists of five key actors in the construction value chain: an academic institution, two industry players (one specialized in the construction domain and the other in demolition and waste treatment), and two SMEs responsible for technology development.

Key stakeholders include site owners, developers, and both local and global third-party collaborators. Among the site owners and developers are two industry partners: Conren Tramway (developer) and Batlleiroig (designer). Additionally, Elisava School of Architecture, an academic institution, is also part of the user group. Both local and global third parties include the user group. Local third parties comprise the local authority of Barcelona and the regional authority, Generalitat de Catalunya. Both stakeholders play a regulatory role in the pilot deployment. Additionally, two industrial clusters, Associació Catalana de Gestors de RCD and ANDECE, are also part of the local third-party stakeholders. UPC is an active member of numerous European and international networks. Among these, two have been identified as potential stakeholders for disseminating the results of the Circ-Boost pilots. These stakeholders, categorized as global third parties, are the International Federation for Structural Concrete (fib) and the European Committee for Standardization. UPC and ACC are actively involved in numerous EU projects and have identified potential EU projects for collaboration between CIRC-BOOST and other EU initiatives.

The stakeholder mapping below outlines how stakeholders are categorized:

Site Owners and Developers Group:

Conren Tramway (developer), Batlleiroig (designer), and Elisava School of Architecture (academic institution).

User Group:

Elisava School of Architecture (academic institution), Ajuntament de Barcelona (local authority), Generalitat de Catalunya (regional authority), Associació Catalana de Gestors de RCD, ANDECE, the International Federation for Structural Concrete, and the European Committee for Standardization.

The map (Figure 1) highlights the scope of influence of the user group at both local and global levels. It also illustrates the connection between Pilot 1 and EU projects, showcasing opportunities for leveraging these relationships in the future. Additionally, the Pilot 1 can identify potential stakeholders in EU projects, who may serve as third parties at either the local or global level

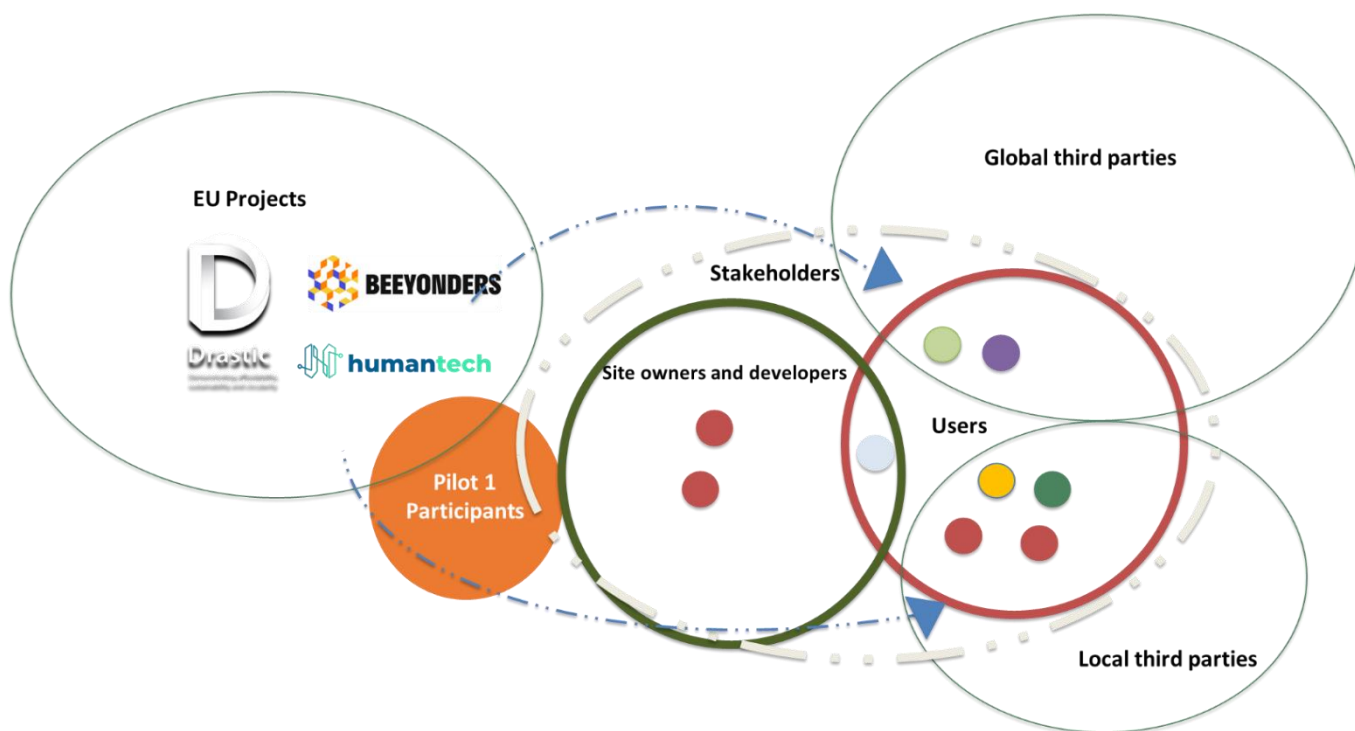


Figure 1 Pilot 1 stakeholder mapping

3.2 Pilot 2

The Greater Paris region, amid Europe's largest infrastructure project, the Grand Paris Express, faces growing challenges in sustainable construction practices. With evolving regulations mandating detailed waste diagnostics for buildings over 1,000 m², the focus is on recovering deconstruction materials to reduce emissions. However, fragmented information and a loosely structured sector hinder systematic waste recovery.

To address this, seven French actors—including local authorities, construction corporations, a digital start-up, a research institute, a technical research center, and a business cluster—are collaborating on a CircBoost pilot. Their goals include developing a digital platform to match supply and demand for materials, creating a physical platform for resource organization, and experimenting with innovative construction processes. These efforts aim to enhance material recovery, structure waste upcycling sectors, and foster a circular economy approach in the region.

The pilot's lead partner, CAP, works alongside key partners such as UGE, CSTB, MGP, SIT, EIGD and NGE, to drive sustainable solutions and better align regional construction practices with circular economy principles. Their goal is to promote circular material use by developing a digital tool, establishing a physical platform, and conducting experiments to optimize resource management.

MGP plays a central role, connecting the digital and physical platforms. MGP will identify land for the physical platform, support scaling, and collaborate with NGE, which will test the platforms. Eiffage will deploy and manage the physical platform for storing and organizing material flows. CSTB provides technical support for the digital platform and leads training efforts through a MOOC, co-funded by ADEME, to promote circular economy practices. SIT focuses on predictive maintenance for buildings and material degradation models, while UGE develops methodologies for the physical platform. CAP acts as a trusted intermediary, fostering collaboration.

For context, the law on combating waste and promoting the circular economy introduces a revision of the pre-existing pre-demolition waste diagnosis. It transforms it into the "[Products, Equipment, Materials, and Waste](#)" (PEMD) diagnosis, applicable for demolition or major renovation works on buildings. To support this initiative, the Ministry of Ecological Transition launched the PEMD platform, developed and managed by the CSTB with financial backing from ADEME. This platform enables building owners to upload PEMD audits, providing critical insights into available resources and waste generated from demolition or renovation projects. Pilot 2 will integrate directly with the PEMD platform, acting as a key source of information on available materials from related projects.

The identified stakeholders are:

- **DHUP (Department of Housing, Town Planning, and Landscapes within the French Ministry for the Environment):** DHUP will participate in a local workshop in 2025 (refers to D2.7) as part of WP2, focusing on the PEMD platform and its applications.
- **ADEME (French National Agency for Ecological Transition):** ADEME co-funds the MOOC and supports circular economy training initiatives under WP7.
- **Fédération Eco-Construire** is a federation of Professional Training Organizations in Eco-Construction, Heritage Restoration, and Re-Use: This federation contributes to the MOOC, enhancing professional training on sustainable construction practices.
- **Syndicat des Entreprises de Déconstruction, Dépollution, et Recyclage:** This union participates in the MOOC, sharing industry insights and best practices in deconstruction, recycling, and sustainable material management.

These collaborations ensure the digital platform aligns with national sustainability objectives and industry practices while broadening its impact and utility.

Figure 2 illustrates the dynamics of partners and stakeholder interactions.

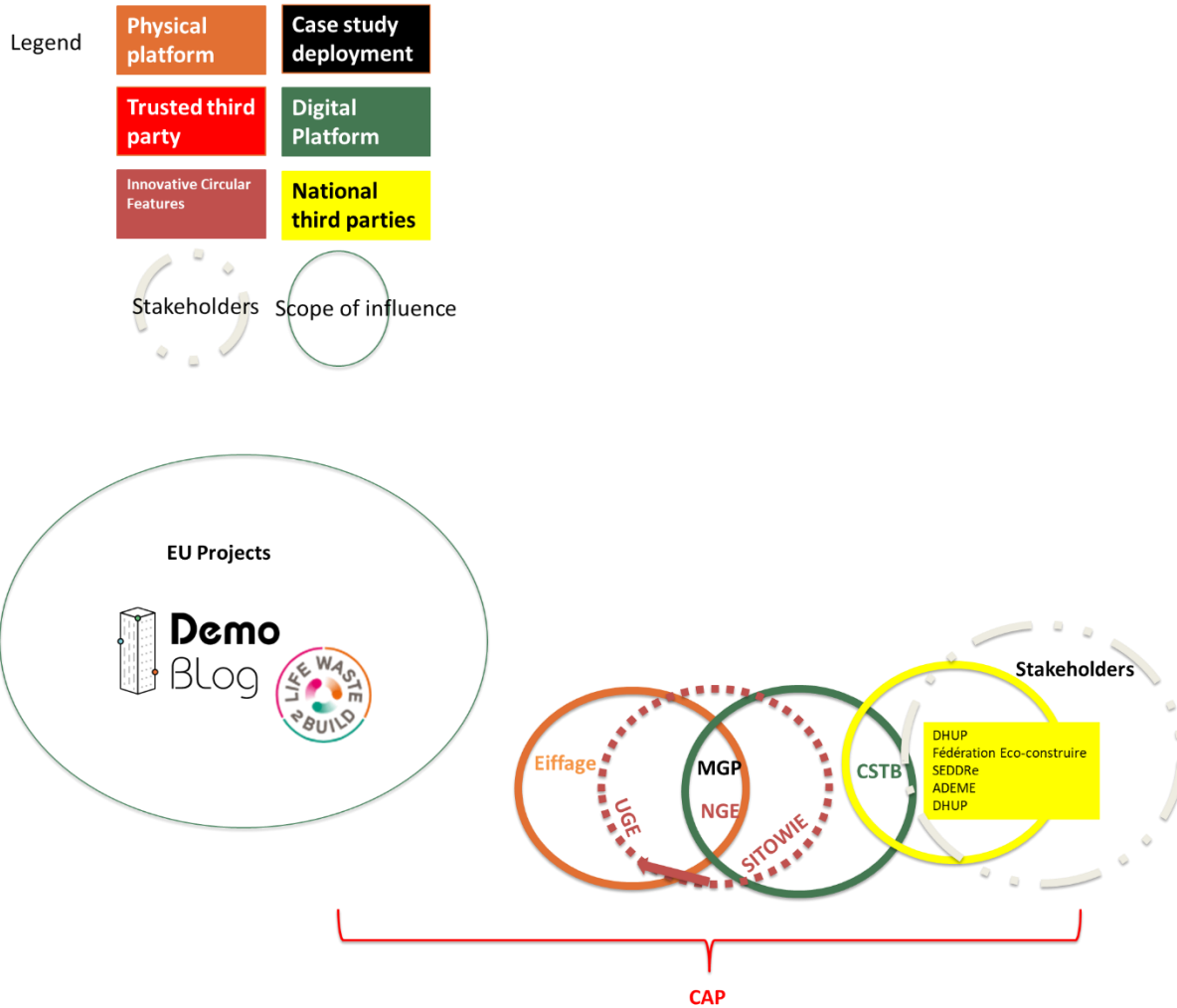


Figure 2 Pilot 2 Stakeholder mapping

Additionally, all those involved in pilot 2 will communicate the results of the pilot to their respective communities. CSTB actively participates in several EU projects, including [Demo-Blog](#) (Horizon Europe) and [LIFE Wast2Build](#), which focuses on developing a platform for reusing building materials to promote resource-efficient construction in Toulouse Metropole and the Occitanie region. The Demo-Blog project has been invited to participate in a sister-project event in Belgrade in September 2024 (refer to D2.7), while the LIFE Wast2Build project has been approached for best practices in organizing workshops. Toulouse Metropole will also be invited to join a workshop planned for 2025 (see D2.7). CAP has also identified potential stakeholders, including social housing organizations, regional clusters, and other relevant entities, that could be engaged for Pilot 2 or future pilot projects.

3.3 Pilot 3

The Balkan construction industry has grown over the past decade but remains traditional, with limited focus on environmental impact. Although innovative green solutions exist globally and within Serbian research institutions, their regional adoption is hindered by a lack of practical experience, standards, and guidelines.

This pilot project will demonstrate the use of local waste and by-product materials in constructing a modular, sustainable house. Key materials include fly ash (300+ million tons in Serbia) as a cement replacement, construction and demolition waste (CDW) such as recycled aggregates, steel, and masonry bricks, and recycled tire rubber for masonry wall connections.

Two green concrete types will be used: Recycled Aggregate Concrete (RAC) with 100% recycled aggregates and Fly Ash Concrete (FAC) with over 40% fly ash. Precast elements — foundations, walls, and slabs — will use these materials, with innovative connections enabling easy assembly, disassembly, and reuse. A modular steel frame with high-strength bolted joints will provide earthquake resistance and reusability.

The project aims to demonstrate climate-neutral, circular construction solutions tailored to the Balkan region. The modular house will be tested in a real-world environment, offering practical guidelines for sustainable construction. The lead partner is FCE University of Belgrade, supported by Circ-Boost partners EBR, PENTA, and SDA.

Stakeholder Mapping: Summary and Categorization

A comprehensive list of over 100 companies has been compiled, categorized into distinct stakeholder groups including architectural design studios, prefabricated house manufacturers, and others.

Institutions and Associations

The following key institutions and associations have been identified as relevant stakeholders in the sector:

- Serbian Chamber of Commerce and Industry
- Serbian Chamber of Engineers
- Ministry of Construction, Transport and Infrastructure
- Ministry of Science, Technological Development and Innovation
- Ministry of Environmental Protection
- Provincial Secretariat for Environmental Protection and Sustainable Development
- Secretariat for Urban Planning and Construction Affairs, Belgrade
- Municipality of Palilula
- Relevant Research Institutes
- Associations of Architects and Structural Engineers

Private Companies

Private companies have been categorized into specific areas of expertise and activity:

- Architectural Bureaus (**50.9% of private companies - see graph below**)
- Design Bureaus
- Prefabricated House Manufacturers
- Block and Brick Manufacturers
- Steel Structure Fabricators
- Precast Concrete Manufacturers

Other:

- Construction Execution Companies
- Investors
- Cement Producers
- Consulting Companies (e.g., fly ash expertise)
- Chemical-based Construction Material Suppliers
- Connection Technology Providers
- Demolition Companies
- Recycling and Waste Treatment Specialists

Observations:

- Architectural bureaus represent a significant portion of private stakeholders, accounting for 50.9% of the identified companies.
- The variety of stakeholders underscores a broad ecosystem encompassing design, material production, construction, and sustainability initiatives.
- FCE is member of SrbGBC, a Circ-Boost partner that is part of the extensive World Green Building Council (WGBC) network. This membership provides FCE and Pilot 3 with access to the broader resources, expertise, and benefits offered by the network.
- SrbGBC is actively involved in the Nebula Project (part of the New European Bauhaus Initiative) and other initiatives. These efforts, along with their established relationships, can be strategically leveraged to enhance collaboration and project outcomes.

This mapping presented in Figure 3 provides a foundation for strategic engagement and targeted outreach efforts.

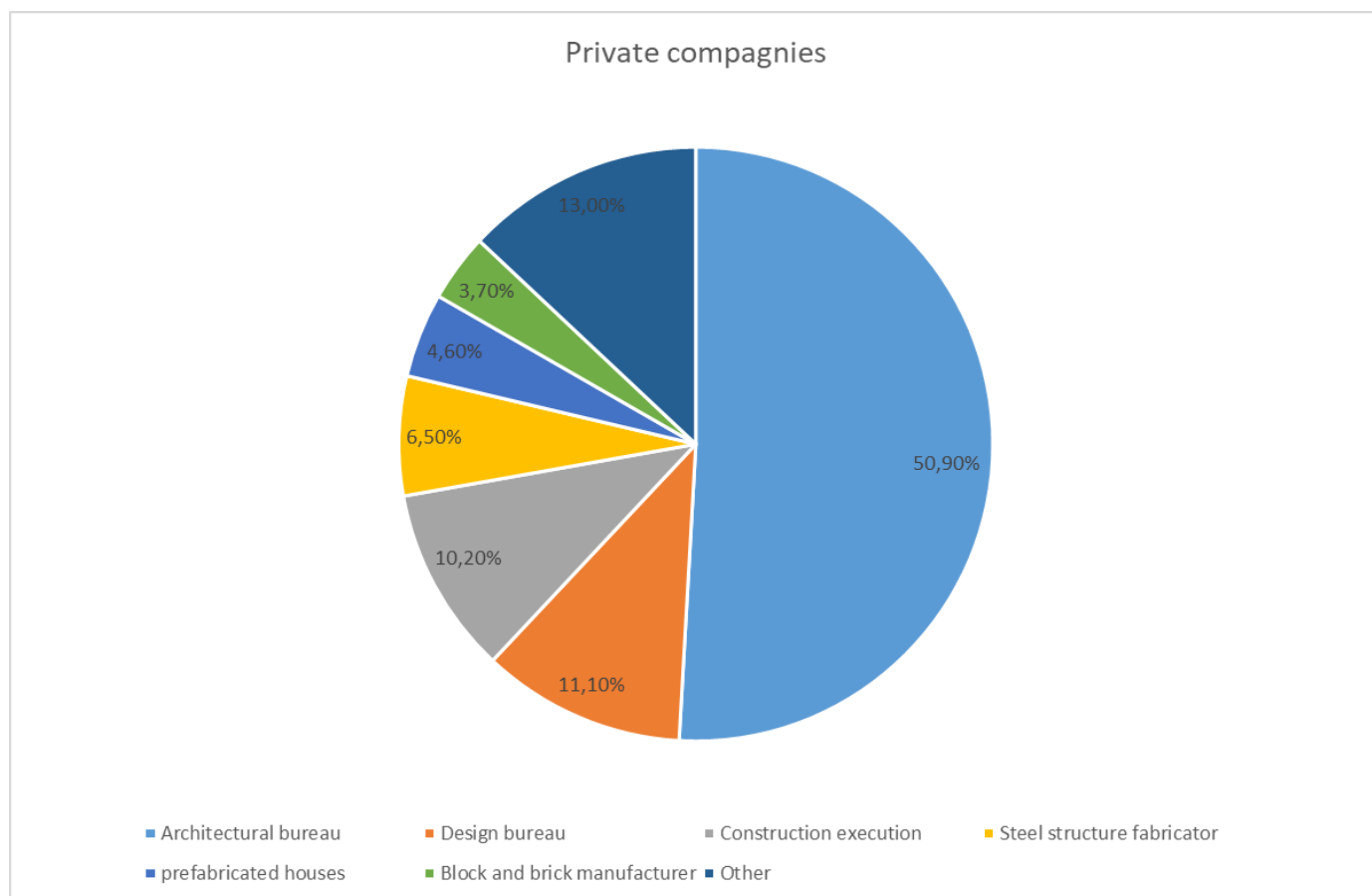


Figure 3 Distribution of Stakeholder Categories in Pilot 3 Mapping

3.4 Pilot 4

The Gaia Vesterålen Museum pilot in Arctic Norway will demonstrate a complete circular building process, from demolition to construction, utilizing innovative technologies and sustainable materials. The museum, built for an Art High Tech exhibition, will use up to 95% locally sourced waste materials. The objective for CircBoost project is utilisation of recycled concrete aggregates from demolished object. It will showcase how cross-industry collaboration can achieve ambitious climate and environmental goals in harsh Arctic conditions.

The Gaia Vesterålen Museum will feature state-of-the-art digital exhibitions with projection mapping, AR, VR, and gaming designed to educate and inspire sustainable choices across generations. The construction process involves demolishing two local buildings, selectively reusing up to 75% of non-contaminated concrete, and integrating advanced recycling and reuse methods. The museum will consist of modular, demountable structures, emphasizing innovative architectural design provided by LUA and supported by forefront research from UIT.

Led by MNORD, with Circ-Boost partners UIT, Reno-vest, and Lundhagem architects, Pilot 4 highlights collaboration across sectors. It aims to transform waste streams into secondary raw materials, demonstrating sustainable construction practices in sparsely populated areas. Sortland Municipality will also support the initiative, providing a model for green transitions in challenging environments.

Stakeholders include waste management companies, recycling firms, civil engineers, and concrete producers. To engage potential stakeholders, Bærekraftsuka is sustainability week where seminars on sustainability was held around Norway. The online event was organized, on october 9th facilitating discussions with a local concrete producer and demolition companies (see annex D2.7 List of events). The ongoing demolition and sorting of materials involve contributions from various companies and authorities. Additionally, local businesses, universities, and the general public have been identified as key stakeholders, reflecting broad involvement in the project.

A comprehensive list of 100 stakeholders has been compiled, based on a template (see Annex) provided by Zorana Petojevic, the WP4 leader. The template categorizes stakeholders by name, category, country, services and activities, priority level, engagement stage, and engagement timeline. Using this data, the graph presented in Figure 4 illustrates the distribution of different stakeholder categories in the Pilot 4 stakeholder mapping.

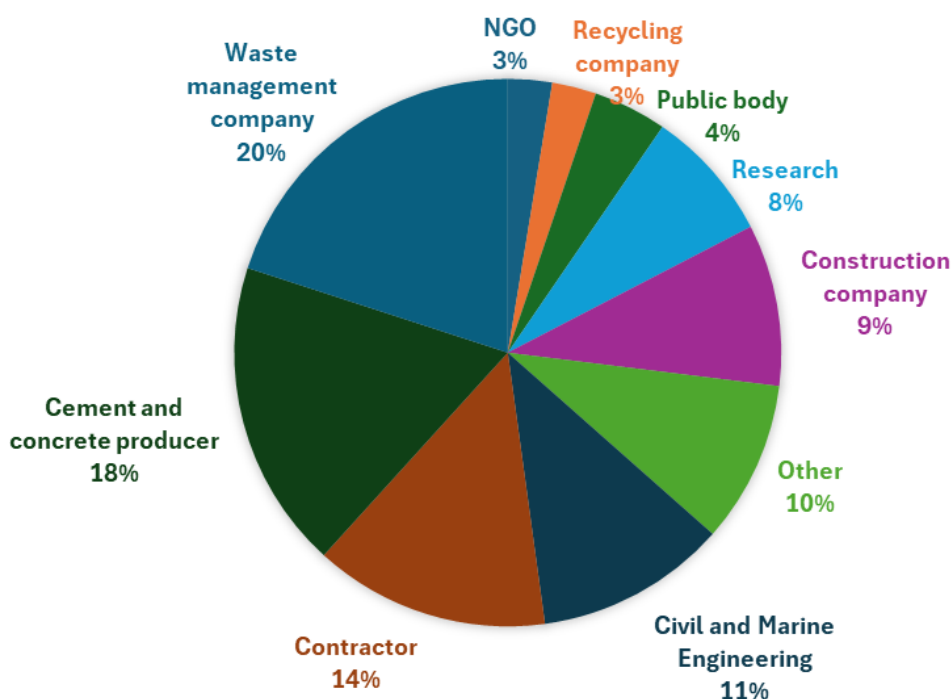


Figure 4 Distribution of Stakeholder Categories in Pilot 4 Mapping

“Other” category includes museum, architects, admixture producer, urban planning, power company, chemical company

“Contractor” category includes transport, heavy machinery, electricity, welding and metal works, plumbing, HVAC, finishes, heating, flooring, insulations

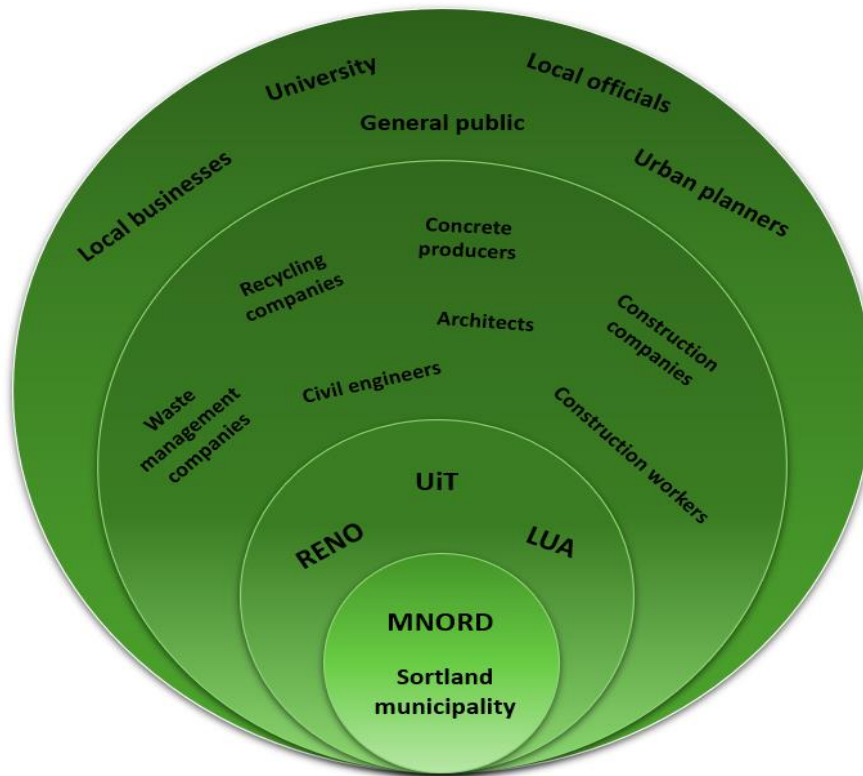


Figure 5 Strategic Stakeholder Involvement: from core to community

Description of the Figure 5:

Core Stakeholders:

At the center of the graph, the Sortland Municipality and MNORD represent the core of the pilot, indicating their critical role in driving the initiative. Their placement highlights their central involvement in the pilot's decision-making and implementation.

Second Layer of Key Contributors:

Surrounding the core are organizations like RENO, LUA, and UiT, which are strategic partners with significant influence or expertise. Their proximity to the core suggests active collaboration and resource-sharing with the central stakeholders.

Professional and Industry Stakeholders:

The next layer includes civil engineers, construction companies, construction workers, architects, concrete producers, waste management companies, and recycling companies. These stakeholders are directly involved in the practical aspects of the pilot, such as planning, material supply, execution, and waste handling, showcasing their importance to operational success.

Community and Broader Engagement:

The outermost layer encompasses local businesses, universities, general public, local officials, and urban planners, reflecting a broader engagement strategy. Their inclusion indicates efforts to ensure community buy-in, academic collaboration, and alignment with local governance and planning.

Figure 5, therefore, demonstrates an interdisciplinary approach, incorporating diverse groups such as academics, industry professionals, municipal authorities, and the public, ensuring a well-rounded stakeholder strategy.

3.5 Pilot 5

The Modřanský Cukrovar pilot in Prague, Czech Republic, led by SKA and supported by CVUT for material's testing and analysis, is transforming a historic sugar refinery into a sustainable, mixed-use residential community. The development combines residential, commercial, and recreational spaces, preserving the site's industrial heritage while prioritizing sustainability and environmental responsibility.

As part of the Circ-Boost project, this initiative showcases innovative technologies to advance circularity in construction. A central feature is the use of recycled aggregate concrete (RAC), marketed under the brand name Rebetong®. This patented concrete incorporates up to 100% recycled aggregates and will be employed in structural elements such as sub-base slabs, reinforced walls, façade panels, wall tiles, and urban furniture for public use. Notably, one façade will display exposed recycled brick aggregate concrete, visually highlighting this sustainable solution.

The pilot is embedded within a phased construction plan (2023–2029) that includes multiple residential buildings, infrastructure, green zones, and a public square. It serves as a model for integrating circular construction practices and contributes to Circ-Boost's objective of achieving at least 15% recycled materials usage in pilot projects.

A list of 19 stakeholders, including pilot participants, has been compiled using a template (see Annex) provided by Zorana Petojevic, the WP4 leader. The template organizes stakeholders by key parameters, including name, category, country, services and activities, priority level, engagement stage, and engagement timeline. This data has been visualized in the graph of Figure 6, illustrating the distribution of various stakeholder categories in Pilot 5's stakeholder mapping.

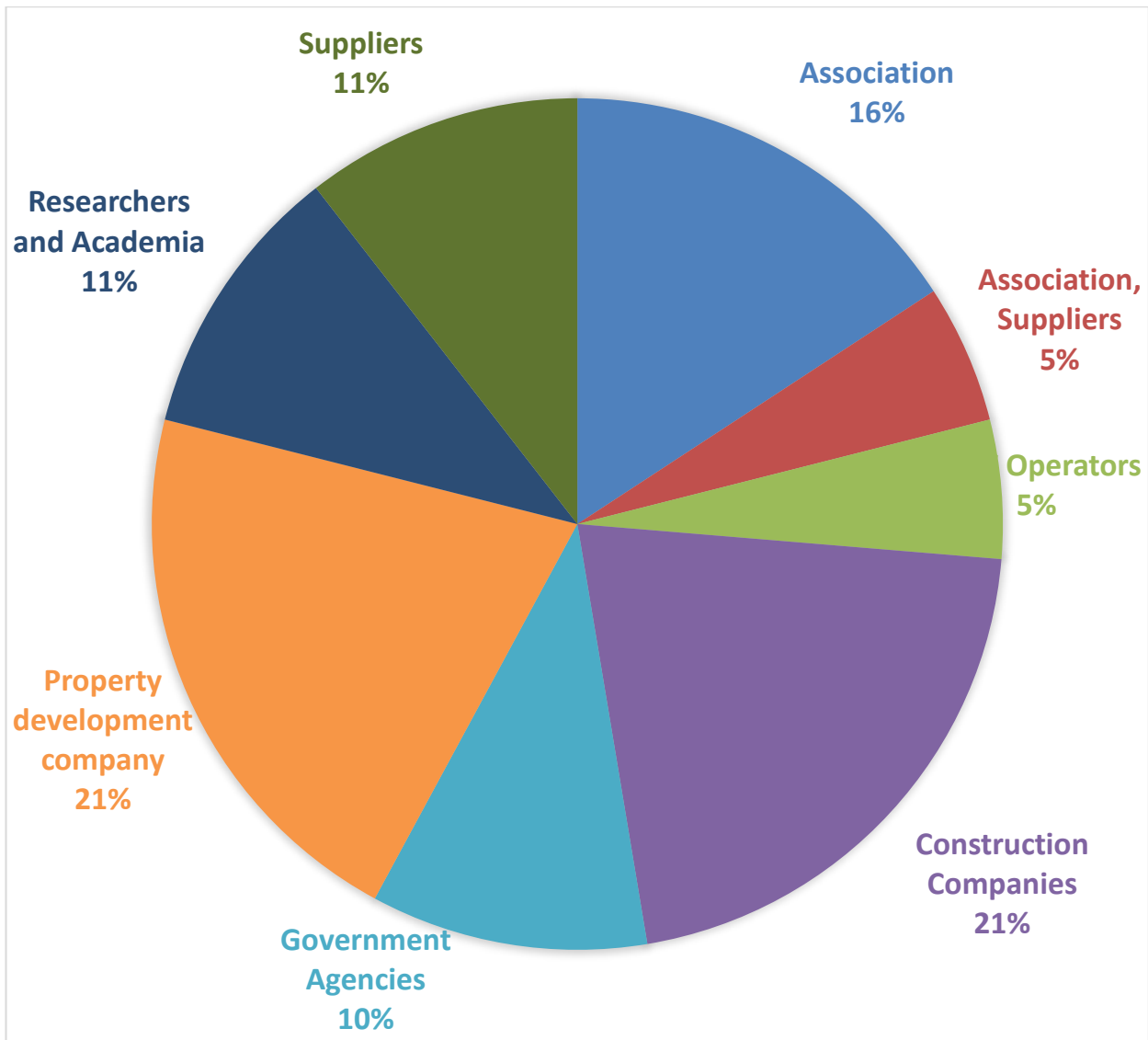


Figure 6 Distribution of Stakeholder Categories in Pilot 5 Mapping

3.6 Cross pilot (WP4)

The primary goal of WP4 *ENABLE* is to promote sustainable urban development by integrating circular economy principles into the management of residential buildings. The objectives of WP4 include:

- Developing semi-automated, semantically enriched CityGML LOD3 models of existing residential buildings at a large urban scale across at least three pilot countries, using various digital tools (DTs) from the AEC industry.
- Creating tailored guidelines for the treatment and recovery of construction and demolition waste (CDW) in the selected urban areas of the pilot countries, with an assessment of the potential to achieve circularity in buildings within these regions.
- Producing an innovative open-source digital solution: a 3D web-based circular economy map, designed to serve as an additional digital logbook feature.

WP4 is led by FCE, in collaboration with HCU, UPC, ACC, SKA, UGE, UIT, SIT, CVUT, and CDE.

A comprehensive list of 27 stakeholders, including WP4 participants, has been compiled (see Annex) using a structured template. This template organizes stakeholders based on key parameters, including name, category, country, services and activities, priority level, engagement stage, and engagement timeline.

The majority of stakeholders (14) are based in Serbia. Out of the 27 stakeholders, three are already aware of WP4 activities, while six have established collaboration. Stakeholders are categorized into four distinct engagement phases to track their involvement levels: Awareness, Collaboration, Engagement, and Not Yet Contacted. For example, Sabine Herrmann, Project Manager of RESIST (Interreg Baltic Sea Region) from the Free and Hanseatic City of Hamburg's Authority for Economics and Innovation, is part of the WP4 Advisory Board (see full list in D2.7) and has been engaged to promote WP4 results. In total, nine stakeholders have been either actively collaborating or fully engaged to disseminate WP4 outcomes. However, 15 stakeholders still need to be contacted to advance their involvement.

The data from the stakeholder mapping template is visually represented in Figure 7, showing the distribution of stakeholders across different categories and engagement levels.

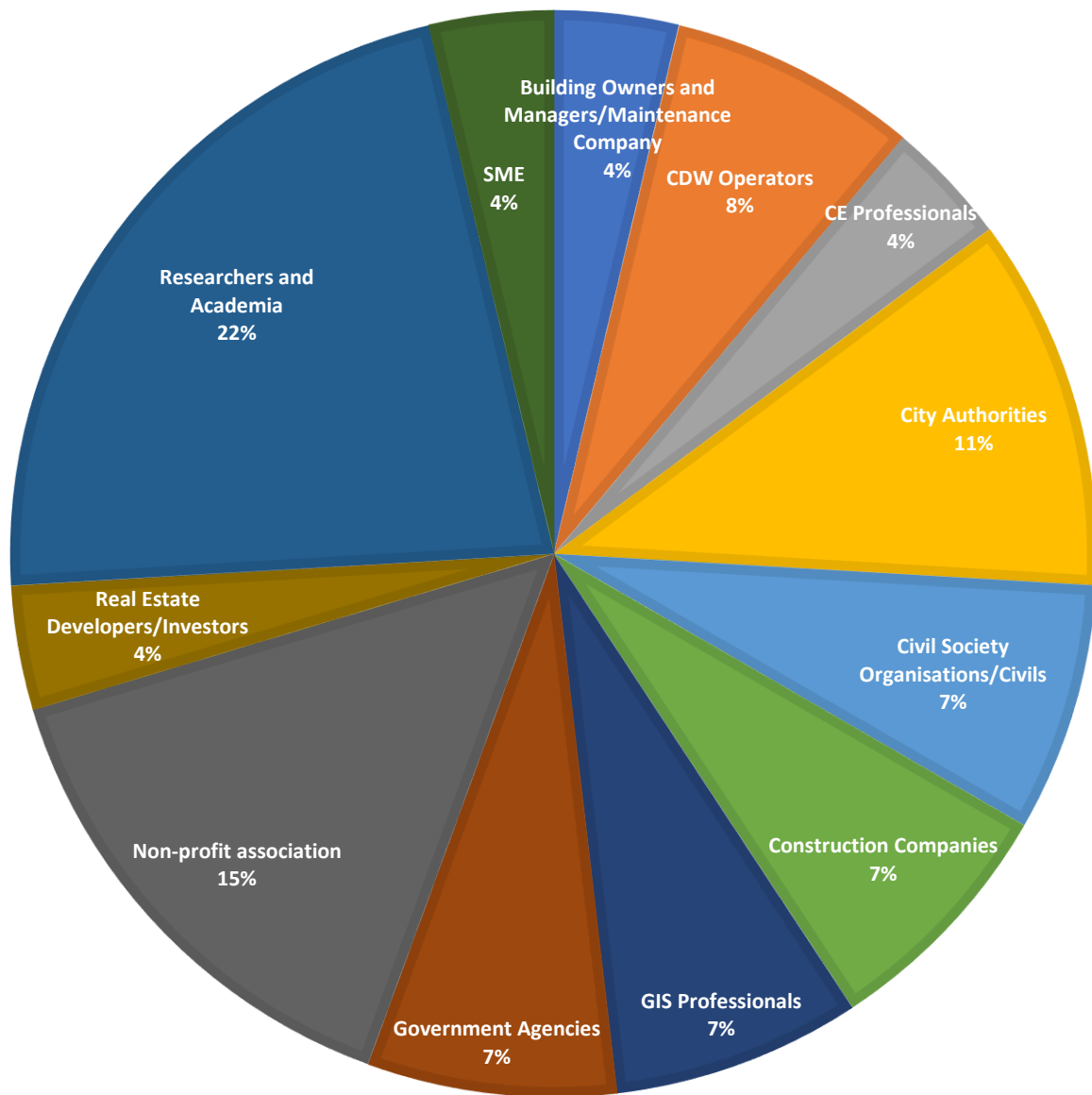


Figure 7 Distribution of Stakeholder Categories in WP4 Mapping

4 Aligned initiatives

CIRC-BOOST partners are involved in various initiatives that align with CIRC-BOOST topics, allowing for the merging of synergies and the dissemination of results. These include the sister-projects, which is part of the Circular Cities and Regions Initiative (CCRI), as well as participation in other European programmes.

4.1 Sister-project group

The projects CIRC-BOOST, RECONSTRUCT, and Woodcircles, funded under the "HORIZON-CL6-2022-CIRC-BIO-02-twostage" program, collectively aim to advance the circular economy within the construction sector. This collaborative initiative seeks to advance circular construction practices while building a more sustainable and resilient construction industry. Supported by the European Commission's Horizon Results Booster programme (HRB) these three sister projects forming the Project Group (PG) are planning to collaborate for 48 months to advance the state of art by engaging various stakeholders, including policy makers, companies, workers, citizens and others.

The ultimate goal of these projects is to catalyse the adoption of circular economy solutions in construction by engaging a broad spectrum of stakeholders, including policymakers, businesses, workers, and the wider community. The initial stakeholder analysis, conducted by HRB, identified key insights critical to advancing this engagement.

Two confidential reports were delivered by HRB. Below are the key points related to stakeholder aspects.

4.1.1 Stakeholder Analysis Summary

This analysis guides the PG in identifying key dissemination channels and prioritizing engagement, especially with policymakers and academia, for optimal impact and resource allocation.

1. Primary Stakeholders:

- **Construction Sector Leaders and Professionals:** Includes CEOs, managers, architects, engineers, and builders. Key benefits include access to research, cross-sector insights, and competitive advantages.
 - Engagement level to date: none.
- **Policymakers and Funding Agencies (EU and National):** Includes the European Commission and national funding agencies, focusing on construction and environmental sustainability. Benefits include data for policymaking and collaboration opportunities for industry standardization.
 - Engagement level to date: unknown.
- **Academic Institutions and Researchers:** Comprising universities and research bodies focused on sustainable construction and circular economy topics. Benefits include research impact, resource sharing, and networking opportunities.
 - Engagement level to date: unknown.

2. Barriers to Dissemination:

- **Construction Sector:** Resistance to change, lack of familiarity with new methods, and a rapid innovation pace hinder adoption.
- **Policymakers:** Limited awareness of circular economy research and time constraints on engagement, with challenges in translating research into actionable policies.

- **Academic Sector:** Challenges due to interdisciplinary differences, limited funding, and difficulty bridging research with industry applications.
3. **Stakeholder Relevance:**
- **Influence vs. Interest Grid:**
 - **High Influence and High Interest:** Construction leaders and policymakers are essential for supporting uptake, while the EC's involvement could establish a strong policy network.
 - **Medium Influence:** Academics are crucial due to their role as primary research drivers and users.
4. **Geographical and Engagement Mapping:**
- **Engagement Levels by Geography:** Construction leaders and policymakers have international influence and are crucial for broader societal impact. Researchers are both producers and users of research, creating a cyclical benefit that supports continuous technological and scientific development.

The PG has identified three main target stakeholders for its dissemination efforts:

1. **Construction Sector Leaders & Professionals**

Main Messages: The PG provides access to innovative, low-carbon materials, cost-efficient modular designs, training on circular methods, improved market opportunities, and enhanced digital tools.

Dissemination Actions: Industry conferences, collaborative webinars, joint publications, and case studies.

2. **Policymakers & Funding Agencies**

Main Messages: The PG supports sustainable development goals, regulatory alignment, and digital transformation within construction. It aids policymakers in developing frameworks for circular economy practices and improves data management.

Dissemination Actions: Policy roundtables, strategic reports, workshops, EU consultations, and public sector partnerships.

3. **Academic Institutions & Researchers**

Main Messages: The PG advances research in circular construction, offering access to real-world projects, data, and interdisciplinary collaborations. Academics gain opportunities for publishing and influencing future construction practices.

Dissemination Actions: Collaborative research, scientific conferences, joint publications, workshops, and data-sharing initiatives.

4.1.2 Cluster of sister-projects

Additionally, European projects [BioBuild](#) and [Inguma](#) will join the sister-project group in November 2024. Both projects cover a wide range of stakeholders within the construction sector, especially those focusing on bio-based approaches. Together, these five projects collectively engage stakeholders across most stages of the construction sector's value chain.

4.1.3 European programmes

CIRC-BOOST partners are also involved in other European programmes, such as the Interreg and LIFE programmes. The Interreg programme aims to foster regional cooperation and cohesion across borders by addressing shared challenges in areas like environmental sustainability, economic development,

innovation, and social inclusion. It involves a diverse range of stakeholders across different sectors to ensure the successful implementation of its projects. The main stakeholders include local and regional governments, as well as national authorities and managing authorities. These initiatives are also a means of reaching a wide range of stakeholders describe in section 4.1.1. Stakeholder Analysis Summary. The stakeholder mapping brochure and policy brief can be disseminated through the initiatives in which CIRC-BOOST partners are involved.

5 Conclusion

In conclusion, the WP2 methodology forms the backbone of CIRC-BOOST's comprehensive strategy to engage and collaborate with stakeholders in the construction sector, advancing in circular economy practices. Through the four key actions—Identifying, Involving, Analyzing, and Evaluating—the project has created a framework for mapping and engaging a diverse range of stakeholders, from local authorities to global industry leaders, across various pilots and aligned initiatives.

The initial stakeholder mapping per pilot and cross pilot and collaboration initiatives outlined in this document emphasize the importance of cross-sector partnerships and alignment with European programmes and sister projects. Each pilot contributes to the overarching goals, showcasing practical applications of circular economy principles in construction.

Leveraging synergies with projects under the CCRI, other EU initiatives, and International networks CIRC-BOOST not only addresses challenges in the construction sector but also fosters knowledge sharing, policy alignment, and technological innovation. Regular meetings with pilot teams will allow monitoring progress and ensuring the alignment of stakeholder mapping efforts. For example, common tools, such as those based on the WP4 stakeholder mapping template, will be shared and used to track developments. Visuals to showcase stakeholder mapping will also be refined and enhanced in the future to provide clearer insights and better illustrate stakeholder relationships, engagement levels, and progress. These improvements will ensure that the mapping data is accessible, actionable, and effectively communicates the dynamics of stakeholder interactions across the CIRC-BOOST ecosystem.

Moving forward, the insights from this stakeholder mapping will guide targeted outreach, ensure effective dissemination of results, and enhance stakeholder involvement to maximize impact and promote the adoption of circular construction practices across Europe.

6 Annex

WP4 Stakeholder Mapping Template																					
ID	Stakeholder Organization Name	Stakeholder Group	Stakeholder Category	Country	Relevance to CE Map	Relevance to the Task(s)	Potential Influence	What We Need from Them	What We Can Offer Them	Stakeholder Priority Level	Contact Information	Partner Supporting in Connection	Support Needed for Engagement	Timing for Stakeholder Engagement	Engagement Stage	Dissemination Capability	Preferred Dissemination Methods	Relevance for Training Participation	Relevant Training Topics	Stakeholder Website	Any Other Comments
	Enter the full name	Select the group from the list	Select the category from the list (add new if necessary)		Identifies how each stakeholder connects to the CE Map specifically	Specify which WP task(s) the stakeholder is relevant to.	Describe how the stakeholder can impact the CE Map, whether in development, usage, or promotion. Indicate specific ways they might contribute, such as providing data, offering expertise, or helping with market outreach.	Outline any specific requirements or expectations from the stakeholder, such as data, insights, resources, dissemination support, or participation as a user.	Specify the value or benefits the WP can provide to the stakeholder, such as access to the CE Map data, partnership recognition, mutual promotion.	Choose a priority level.	Provide the contact details for the stakeholder, including the person's name, position, department (if any known).	Select from a list of project partners.	Identify any support required to engage or maintain the connection with this stakeholder, such as introductory meetings, follow-up calls, or ongoing facilitation.	When to Onboard the Stakeholder	Select the current level of engagement with the stakeholder.	Specify if the stakeholder has the ability to help disseminate CE Map results.	Provide an idea of how the stakeholder could help disseminate WP results, along with specific methods they could use.	Indicate if the stakeholder could benefit from or has an interest in participating WP training sessions.	Choose the specific training sessions.	Enter the stakeholder website for further information	
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Figure 8 WP4 Stakeholder Mapping Template

References

- **GA, Project 101082068 — CIRC-BOOST — HORIZON-CL6-2022-CIRCBIO-02-two-stage**
- **Circ-Boost D3.1 PILOTS DEPLOYMENT STRATEGY**
- **Portfolio of Research and Innovation Results Project Group: CIRC-BOOST – 101082068**

End of Document