

Welcome to the final newsletter of the PPI4Waste project. After three years of activity, exploring mechanisms to overcome barriers to public procurement of innovation in the waste sector, the project has now reached its end. Browse this final newsletter to learn more about the project outcomes and discover more about the four steps taken by the project to boost innovative solutions in the waste sector thanks to public procurement of innovation.

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Successful closure of the project in Brussels



The final international conference of the PPI4Waste project took place on 12 September 2017 in Brussels, organised by ACR+ who has taken the coordination of the project following the termination of the previous coordinator, IAT.

The conference entitled "[Feedback and opportunities for public procurement of innovation in the waste sector](#)" gathered public procurers and suppliers committed to boost innovation in the waste sector. The conference showcased the main findings of the project and gave the opportunity of several discussions during two main sessions. The first one discussed how public procurement of innovation can be experimented and stimulated in the field of waste management while the second explored synergies between procurers and projects on innovative solutions.

Experts and other participants agreed that more cooperation was needed to support public procurement of innovation (PPI) and help increase the uptake of innovative solutions for waste management. Cooperation can indeed facilitate transfer knowledge on PPI, but also lead to concrete coordinated or joint tenders that will reduce costs and risks.

Presentations and minutes of the conference as well as an informative brochure are available on the [event's page](#).

Step 1: Needs assessment

Project partners worked on the identification and definition of common needs of public buyers in the field of municipal waste management, with the view of drawing a complete map of targeted improvements and possible emerging solutions addressing the waste-to-resource challenges or system failures.

- **Report on Agreeing Common needs:** this report presents the methodology designed and applied by the project consortium to prioritize the needs of public buyers and reach an agreement on the ones for which to further work has been implemented within the PPI4Waste project.
- **State of the art of emerging solutions:** this report gives an overall picture of the state of waste management in the European Union analysing how common needs identified during PPI4Waste project are currently addressed in the EU context and focusing on the identification of innovation solutions with high potential for PPI in the waste sector.
- **Common Report on targeted improvements:** this report presents the results of the research made regarding the PPI potential for each of the common needs and gives several recommendations regarding three aspects of PPI: the system readiness of waste management at national level, the impact of PPI at system level and the place of PPI in a policy mix.

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Step 2: Market engagement

The fragmentation of demand for innovative solutions and the lack of knowledge regarding the market situation are two well documented barriers to PPI. Thus, the project consortium brought together both the demand and supply sides to gain a better understanding of ready-to-market innovative solutions replying to needs identified at transnational level.

- **Meet-the-market activities:** market engagement forms a crucial part of the PPI4waste project, building on the needs assessment and feeding into a PPI roadmap which will pave the way for potential future tenders for innovative waste solutions. In order to ensure that suppliers were aware of the needs identified by procurers and waste experts within the project, a series of **4 national market engagement workshops** as well as an international workshop were implemented during spring 2016.
- **Desired Performance characteristics:** this report defines, describes and provides examples of performance characteristics from a PPI approach and potential actions to be taken by the pilot partners Zagreb City Holding and Mancomunidad Del Sur to face challenges linked with their needs (bio-waste and plastic waste respectively). The identified actions are related to market uptake of innovative solutions, and performance characteristics are used to describe performance-based requirements of these solutions.
- **Roadmap for progressive improvement:** this report identifies potential actions and future interventions to be uptaken by the pilot partners, Zagreb City Holding and Mancomunidad Del Sur, in order to face their challenges regarding bio-waste and plastic waste respectively, according to their specific conditions, through market uptake of innovative solutions.

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Step 3: Feasibility assessment

After delivering the report of targeted improvements from the demand side, having analysed the market situation, as well as drafting the roadmap for improvement on functional requirements, the next step in the methodology of preparation activities for the procurement implementation is to carry out a feasibility plan to uptake a collaborative PPI and to reduce risks associated with the implementation of PPI. It includes key aspects such as financial modelling, legal framework, and risk reduction strategy.

- **Preliminary Contract and financial assessment model:** this guide-template of contract model identifies and explains essential clauses that have to be part of the final tenders of Mancomunidad del Sur (Spain) and Zagreb City Holding (Croatia) if they want to buy innovative solutions that are ready to be marketed.
- **Common risk management strategy:** this report provides an overall vision of risk management in public procurement of innovation, a brief description of the main types of risks that can be faced in these procedures and, finally, a risk management strategy in the PPI4Waste project.
- **Training on PPI:** as part of the PPI4waste project, a series of national training workshops are organised to help building capacity in public procurement of innovation and show how this can be applied within the municipal waste sector. Some **training material** is available to support the implementation of similar training activities in other territories.

Step 4: Lessons learned

The last step provides an overview of the main lessons learned during the project and in order to help to set standards for the implementation of PPI in the waste sector.

- **Consolidated report of lessons of PPI4Waste for contracting authorities:** this report aims to collect the lessons learned during the project, both regarding the needs and barriers of public procurers operating in the waste sector and the possible solutions and opportunities that can be found. A key output is policy recommendations for applying public procurement of innovation in the waste sector.
- **Roadmap on joint or coordinated procurement strategy:** the purpose of the roadmap is to explore the options procurers have for coordinated procurement as well as joint procurement and, where relevant, map the subsequent steps to be performed for this purpose.

Welcome to RISE – Research Institutes of Sweden

The RISE institutes Innventia, SP, and Swedish ICT have merged in order to become **RISE - Research Institutes of Sweden**, a stronger research and innovation partner. Through its international collaboration programmes with academia, industry, and the public sector, it ensures the competitiveness of the Swedish business community on an international level and contribute to a sustainable society. RISE counts 2,200 employees who support and promote all manner of innovative processes, and its roughly 100 testbeds and demonstration facilities are instrumental in developing the future-proofing of products, technologies, and services. RISE Research Institutes of Sweden is fully owned by the Swedish state.



Within PPI4Waste project, RISE has been in particular responsible for defining and assessing the needs of the public procuring organisations in charge of municipal waste management in the EU. For this task, PPI4Waste partners set the path to identify the needs of public procurers, and the current state of the art of the emerging innovation in the waste sector. The challenge was to find the situations where a PPI approach is likely to have an impact. In short: where the needs and the capacity of the procurer is aligned with the EU waste challenges and the ability of the innovation system to deliver the solutions.

RISE has participated in several EU projects on PCP and PPI developing a deeper understanding of procurements role in the innovations systems. During 2017 collaboration on capacity building and dissemination regarding PCP & PPI was developed with **The National Agency for Public Procurement** and **Vinnova** – Sweden's innovation agency.

RISE has a strong commitment in circular economy and waste management. RE:Source is a Swedish, national strategic innovation program hosted by RISE. Waste Refinery started in 2007 as a center of knowledge. Today it is a strong strategic network hosted by RISE. CLOSING THE LOOP – from waste to valuable resources is a research program for sustainable industrial recycling hosted by RISE. The ongoing second phase (2016-2020) includes six independent projects. In the Centre of Excellence CIRCULAR ECONOMY, RISE gathers the expertise needed to make a difference to the waste streams prioritized by the EU: food, plastics, critical raw materials, construction and demolition, and biomass and bio-based products.

For more details about RISE, read the full article [online](#).

Cities and regions boosting innovation in waste sector with ACR+

The **Association of Cities and Regions for sustainable Resource management** (ACR+), is an international network of cities and regions that has been facilitating the exchange of information and best practices on material resource management, following the multi-R approach (Reduce, Reuse, Recycle – and more), and this since 1994. The network gathers almost 90 members, representing more than 1000 municipalities, including cities and regions with the most active waste and resource policies. In an innovative and transparent way, ACR+ encourages the evolution of material resource management to increase the adoption of more circular methods.



ACR+ and its members are working on the topic of public procurement through different aspects. If PPI4Waste was for ACR+ the opportunity to facilitate the use by its members of public procurement of innovation, it also works on the topic of green public procurement through its involvement in the **LIFE FUTURE project**. This project is focusing on green public procurement for urban furniture and is working on developing an online tool, the GUF Tool, to support public bodies during the decision making process of purchasing more environmental friendly urban furniture.

In addition and to encourage a broader use of circular public procurement, ACR+ has been working on some guidance material and produced several factsheets of the **Circular Europe Network (CEN)** on this topic. Indeed, The CEN compiles an inventory of policy initiatives (at national, regional and local levels) for circular economy, including about the strategic use of public procurement as one of the tools that can be used by cities and regions to foster circular economy on their territory. Among others, factsheets are dedicated to the greening of buildings in the Basque Country (Spain) and to the sustainable public procurement strategy of the city of Ghent (Belgium).

To boost innovation and give access to its members to innovative technologies and systems, ACR+ is involved in several European projects. Amongst these, it is worth mentioning the two H2020 research projects **DECISIVE**, on decentralised management scheme for innovative valorisation of urban bio-waste, and **URBANREC**, on eco-innovative and integral bulky waste management system which aims to enhance prevention, improve logistics and allow new waste treatments to obtain high added value recycled products.

ACR+ is strongly committed to push for more innovation in the waste sector, in particular through public procurement. This is why it took the lead of the PPI4Waste project following the termination of the previous coordinator. ACR+ will continue to work further on the topic of public procurement within circular economy with its members to exchange expertise and build common projects capitalising on the findings and topics of PPI4Waste.

Interested cities and regions are welcome to get in touch with ACR+ for further collaboration on this topic. To discover the other projects developed by ACR+, visit www.acrplus.org.

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Building on PPI4Waste

With the end of the project, one question was raised: how can this project motivate public authorities and public procurers to use the main results of the project and endeavour purchasing innovative solutions for the improvement of municipal waste management? Several steps can be taken to ensure the impact and exploitation of PPI4Waste beyond its completion: spreading the outcomes and conclusions of the project, establishing new projects and initiatives building on the results of PPI4Waste both in similar and other sectors and countries, etc.

Above all, members of PPI4Waste communities are invited to continue the discussion on the dedicated groups on the **Procurement Forum**. The group dedicated to the Interest Group, now named "**Discussion Group: Waste, Resources and the Circular Economy**", is a platform for discussion on the topics of waste management, resource efficiency and the circular economy. While primarily aimed at municipal waste management experts, procurers and policy makers, the group is open to anyone with an interest in these topics and galvanising public uptake of innovative waste solutions. Another possibility to deepen the topic and continue working on public procurement of innovation and sustainable management of waste is to collaborate within existing structures and networks already active on this topic, for instance ACR+ and ICLEI. These networks ensure long term cooperation between procurers and their stakeholders and provide opportunities for exchange of expertise and common projects capitalising on the findings of PPI4Waste.

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