

"Circe - European regions toward Circular Economy"

INTERREG Europe Project



Priority Opportunities

Project Partner 5 - LWARB

London

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1. Executive summary

This document provides an overview of the process used by LWARB in London to prioritise opportunities for accelerating the circular economy within London identified through the Circe project.

2. Prioritization

LWARB developed a table of Priority opportunities using the value chain analysis undertaken by ITIA , and LWARB's own review of the other partners tools and opportunity reports. This opportunities table was shown to London SHs at 3rd SH meeting on 18th June 2018. The SHs then identified which of the opportunities they thought were of the highest priority. LWARB then used the criteria tree as described below to checked that the priorities that had been identified by the SHs and LWARB were in alignment with the priorities which were identified through the AHP analysis.

The first review of priority opportunities by stakeholders identified that there were several key opportunities missing from the table. These included amending the opportunity for green procurement in construction to circular procurement for all sectors, an overarching action on food waste, providing support for businesses to accelerate innovation, and updating the London CE route map.

How we defined the weights

The description of each of the criteria used in the AHP were reviewed by LWARB staff. Staff then used their knowledge and experience to determine the weighting for each of the criteria. This was then reviewed by the London SHs at the 4th SH meeting. The method used to create the criteria rankings and the meaning of each of the criteria was presented to the Stakeholders at the 4th Stakeholder meeting. The SHs then shared their views on the AHP tool and the weightings that had been determined. The SH group agreed with the weightings set out in the tool by LWARB.

How we got the final priority ranking

The final priority ranking for the opportunities was achieved through inputting each of the opportunities identified into the AHP tool, and ranking each of the criteria for that opportunity using a score from 1-5 (1 being least desirable and 5 being the most desirable). The scoring was firstly conducted by LWARB staff. At the 4th London SHs meeting the results of the rankings were presented to the SHs alongside the individual ranking scores for each opportunity and each criterion. The SHs then reviewed the rankings and provided feedback and amendments to the scores. The SHs also provided feedback to the overall AHP tool and process. There were very few amendments to the scores. The final scores are presented below. Any

opportunity which had a final score over 3 was considered a priority opportunity. The priority opportunities identified through the original SH scoring in the 3rd SH meeting were compared with the priority opportunities identified through the AHP prioritisation process. There is very close alignment of the two illustrating the importance of the opportunities identified as priorities.

3. Opportunities ranking

The rankings from the AHP largely agreed with the stakeholder rankings with only a few exceptions which are highlighted yellow in the table below. These yellow highlighted opportunities are additional opportunities which were identified as priorities through the AHP. These additional priority opportunities were discussed with SHs and it was agreed these would also be useful priority opportunities for London. LWARB will now utilise this table to explore suitable actions to develop into the action plan for this project. Further details of these opportunities are contained within the opportunities report, and Circe tools.

Opportunity	Global ranking value	Reason for Ranking
Opportunities Identified by ITIA Analysis		
Selective demolition operations	2.9486004 4	Large scale of demolition opportunities in London , BE is a priority sector with huge potential for materials and cost savings.
Increase building energy efficiency	N/A	LWARB do not work on energy efficiency, this is dealt with under several other London strategic programmes.
Green Circular Economy public procurement for construction	3.0519639 6	Identified as a priority area by London Environment strategy, large amount of public money spent annually on procurement which could drive market changes if used for circular procurement. Opportunity to create guidance and tools.
Increase reuse of building materials	3.5884829 8	Large scale of Development scheduled in London, BE is a priority sector with huge potential for materials and cost savings. Links to Mayoral targets.
Recyclable and smart food packaging	2.7309234	Food waste is a priority sector , however limited food is packaged in London. New innovations in food packaging could be supported under the business and innovation opportunity.
Local and urban food growing	2.9954444 2	Food is a priority sector however innovations in food growing could be supported under the business support and innovation opportunity

Use of food products from over production	2.8897467 8	Food is a priority sector however LWARB is already working on several approaches to reuse food including reuse platforms, other partners may want to learn about our experiences.
Food poverty alleviation	2.8897467 8	As above
Food recovery and reuse	2.5045472	As above
Sustainable textile manufacture	2.5219806 2	Although textiles is a priority sector, hardly any manufacture of textiles in London. This could be influenced through other means such as helping retailers with their business models.
Support for circular textile start ups	2.9248076	Textiles and innovation are both priorities however this should be covered under the business support and innovation opportunity.
Increase Second hand textile redistribution, sorting, collection	3.2217699 2	London has a huge fashion market with limited production in London , action needs to focus on how to increase value of clothing locally e.g through influencing reuse, redistribution, sorting and collection
Reduction of structural textile waste (microplastics)	2.2532709 2	Textile waste is a sectoral priority but there are currently other key policy opportunities for London to focus on ahead of microplastics
Standardisation of waste management for textiles	2.3644143 4	Textile waste is a priority sector, but upcoming EU requirements should help tackle this area.
Second hand clothes	3.1771908 4	Textiles are a priority sector. London has a huge fashion market, action needs to focus on how to increase value from clothing locally and to build on current LWARB work.
Increase Electricals repair, reuse, and remanufacturing economy	3.1108768 8	Identified as a key sector for London, further information on how to achieve circularity in electricals is needed and will be explored.
Increase product durability and lifetime in electrical items	2.7340173	Electricals are a key sector for London. London can influence product design through consumers but has limited impact nationally
Increase fractions of recovered materials from WEEE	2.9941216 6	Electricals are a key sector for London. It is unlikely this would be a priority due to costs of recovery.
Testing and certification of refurbished WEEE for reuse	3.2231153 4	Electricals are a key sector for London. This has been identified as a key barrier by consumers and businesses.

Bioplastics production	2.5621572 4	Plastics are a political priority in London and identified as a key sector, there is limited bioplastic production in London.
Recycled plastics in products	2.2690252 2	LWARB can work with companies to increase uptake of recycled plastics but this also needs national policy
Plastics collection and sorting consistency	2.9732279 2	This is an important method of increasing plastics reuse and recycling , the new LES already includes requirements for better consistency of collection.
Opportunities identified by LWARB analysis of partners tools		
Targets for recycling of different construction materials	3.3474458 2	Large scale of demolition opportunities in London , BE is a priority sector with huge potential for materials and cost savings.
Data to increase reuse of building materials	3.7117132 6	Large scale of demolition opportunities in London , BE is a priority sector with huge potential for materials and cost savings.
Food waste reduction-hierarchy implementation	3.0995444	Driving implementation of the food waste hierarchy is a political priority in London, and Food is a priority sector.
Tax breaks for companies reducing food waste	3.4720106 6	Food is a priority sector for London, tax breaks could be introduced without the need for new skills or technology
Regions accelerating uptake and progress of global plastics protocol (e.g. UK plastics pact)	3.1908352 8	Plastics is a policy priority for London, encouraging regional uptake of the policy is a quick way to influence all parts of a supply chain
Other Opportunities identified by LWARB during project		
Joint procurement of food waste collection by businesses	2.4935255 2	Food is a priority sector however there are other food waste activities that could have a larger impact
Increase understanding of CE in internal business culture (Textile CEBMs)	3.3221941 8	Textiles are a priority sector, London is a hub for large corporate textile businesses and consumption of apparel. Working with large corporates to influence whole supply chains could provide a large impact.
Metrics to track CE progress	3.1066707 2	Metrics are a key way to illustrate progress and are a policy priority for London, LWARB is able to directly influence this policy area

Update Route Map	3.556429	The London route map is recognised in the LES as the delivery plan/strategy for the Circular economy in London therefore it will be essential to keep this updated to reflect Circe project, other progress and maintain buy-in from all sectors across London
Creation of CES	3.3610694 2	The Circular Economy Statement is a new policy in the draft London Plan. Helping to create the first ever circular economy statement methodology and guidance is a crucial way to ensure new developments consider circular economy opportunities.
Business and innovation support	3.6717499 6	New CE business and innovation requires financial and technical advice to set up and grow. This is a strategic priority for London.
Low carbon circular economy	3.9391849 6	A low carbon circular economy is a strategic priority for London. This will be a key way to bring together policy and action on climate change mitigation and impacts of resource use in London

4. The Stakeholders

The SHs agreed that the tool was a useful method for considering prioritisation of opportunities. They also provided the following comments on the AHP tool:

- Some regions or cities may not find the RIS3 very applicable but there may be other strategic documents which are – there should be an option to customise the strategic focus being used
- It is unclear from the guidance what is meant by strategic resources – does this mean in terms of their monetary value? Or rarity?
- The tool is very subjective and depends upon the view point of whomever completes it. How is the region deciding whom to give the tool to? To get an unbiased view it would need to be completed by a very large number of people.
- There is no way of looking at the cumulative effect of the projects that have been ranked
- It appears that social impacts in terms of impacts on the general public are missing from the evaluation tool.
- Whilst completing and analyzing the results from this tool LWARB and SHs kept in mind barriers and policy gaps but there is no requirement to do this in the current tool format, this should be considered.

5. Conclusion

Based on the assessments carried out the key opportunities identified by stakeholder analysis largely correlated with those identified through the AHP tool. The key opportunities are summarised in the table below.

	Opportunity	Sector
1	Circular Economy in public procurement	All
2	Increase reuse of building materials	Built Environment
3	Increase Second hand textile redistribution, sorting, collection	Textiles
4	Second hand clothes	Textiles
5	Increase Electricals repair, reuse, and remanufacturing economy	Electricals
6	Testing and certification of refurbished WEEE for reuse	Electricals
7	Targets for recycling of different construction materials	Built Environment
8	Data to increase reuse of building materials	Built Environment
9	Food waste hierarchy implementation	Food
10	Tax breaks for companies reducing food waste	Food
11	Regions accelerating uptake and progress of global plastics protocol (e.g. UK plastics pact)	Plastics
12	Increase understanding of CE in internal business culture (Textile CEBMs)	Textiles

13	Metrics to track CE progress	All
14	Update Route Map	All
15	Creation of CES	Built Environment
16	Business and innovation support	All
17	Low carbon circular economy	All