

Priority sector	Strategic issues and assets	Strategic Opportunities	Key Partners	What is the regional opportunity?
Circular manufacturing	<ul style="list-style-type: none"> Industry and manufacturing have the highest carbon footprint of all sectors analysed and are a large consumer of renewable and non-renewable resources. Huge existing potential and strengths in the region in advanced manufacturing, supporting our claim as the home of the green industrial revolution, including in Coventry and the Black Country. Legacy of National Industrial Symbiosis Programme (NISP) can be reinvigorated, building in recent programmes in Tyseley, Birmingham and Solihull. 	Circular battery manufacturing	UKBIC, universities, WMCA Electrification Taskforce	Build on the region's battery expertise to design the first truly circular battery factory, distinguishing the West Midlands Gigafactory from other similar projects worldwide.
		Industrial symbiosis delivery	BEIS, Tyseley Energy Park, local authorities, LEPs & Growth Hubs	Develop a West Midlands Industrial Symbiosis delivery programme to unlock innovation and investment in strategic locations, building on the hub models of Repowering the Black Country and supporting the project's emerging investment opportunities.
		High-value fuels from waste	Waste companies, STW, local authorities, LEPs	Use advanced processing technologies to turn residual, municipal and industrial waste into high-value fuels for aviation, logistics, heavy plant and other manufacturing sectors.
		Circular manufacturing Centre of Excellence	WMG, LEPs, local authorities, Warwick University,	Establish a Circular Manufacturing Centre of Excellence to support circular design best practice and to develop advanced technologies (robotics, AI etc.).
Circular construction	<ul style="list-style-type: none"> Construction, demolition & excavation is the largest consumer of non-renewable materials & largest producer of waste. Circular construction and design can have a huge impact on embodied carbon. Large growth planned in the region (200,000 homes and major infrastructure project like HS2) can be a catalyst for circularity. 	Brownfield land reclamation	University of Wolverhampton, developers	Set up a facility and associated advisory services to unlock the development potential of brownfield sites of all sizes.
		Circular strategies for infrastructure	HS2, STW, waste companies, TfWM	Develop circular strategies and action plans for major infrastructure projects and utility providers.
		Circular building product initiative	Construction industry, Zero Carbon Homes Taskforce.	Support the development of leading, regional circular buildings' systems, products and service offers

	<ul style="list-style-type: none"> • WMCA is already working on Advanced Manufacture in Construction (AMC) and Modern Methods of Construction (MMC) as well as Zero Carbon Homes Routemap. Circular design is synergistic. • The National Brownfield Institute (NBI) in Wolverhampton, City of Wolverhampton's recent Circular Cities Declaration and existing projects like Port Loop present huge opportunities to be a leader in circular construction. 	Zero Construction Hub	Zero Carbon Homes Taskforce, MMC Hub, LEPs, developers.	Launch a physical and virtual hub to recover and exchange materials, as well as share and incentivise circular design and processes.
		Circular repurposing programme	Local authorities, LEPs, Chambers, community groups,	Develop and implement circular approaches for refurbishing and repurposing commercial and residential properties, as well as public buildings and spaces.
Circular Food	<ul style="list-style-type: none"> • The supply chain for food system will require rethinking if we want to meet carbon targets. • There is an agro-processing hub in the West Midlands, home to major companies like Mondelez, Cadbury etc. Urban agriculture, farms and community growing are all also present in the region. • There is pre-existing research and development expertise around improving food processing, packaging and logistics. • There are already well established communities working on food 	Regenerative agriculture	WM Circular Economy Club, Food Trails, District Eating	Support regenerative agricultural and farming practices as well as local food growing initiatives.
		Circular agro-businesses	Mondelez, breweries, WRAP, WMG, Coventry	Develop circular strategies and action plans for major agro-businesses and food processors in the region.
		Circular food hubs	Commonwealth Games, The Active Wellbeing Society, local authorities	Create circular food hubs with optimised logistics to collect and redistribute food that would otherwise be wasted.
		Healthy consumption	Food Trails, local authorities, LEPs, community groups	Raise awareness and encourage sustainable, local food consumption, working closely with existing communities and volunteer groups.

	issues, and there is an ability to catalyse the social and sharing economy, tapping into the region's diversity and entrepreneurial spirit.	Circular nutrient loop	Waste companies, NFU, local authorities, EBRI	Close the nutrient loop by developing biotechnologies to recover and enhance value of food waste and other waste products (sewage etc.).
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