

Circular Economy Hub@RMIT

The Circular Economy Hub at RMIT is a cross-disciplinary, industry-engaged network of University researchers and experts working on cutting edge and innovative CE research across Australia and internationally. Their work supports RMIT as a leader in circular economy research nationally and globally.





Key capabilities



Design

Circular economy is a design challenge. Design for long life ensures products remain in the system longer. Design for disassembly ensures that different components of a product can be upcycled.



Science and engineering

Science enables changing physical and chemical composition of products so they can be upcycled. Engineering plays a central role in identifying and re-engineering the use and reuse of by-products in a variety of industries and supply chains across various sectors.



Policy and governance

Circularity needs to be embraced in all sectors of the economy. Having the right policy and governance arrangements is central to the success of CE as they influence the uptake of CE.



Construction

Applying principles of circularity to construction ensures resources, materials and products entering and leaving the built environment contribute circular value in buildings and construction projects. Space sharing presents an opportunity.



Waste recovery

Waste is an opportunity. Circularity means going beyond recycling to ensure that value is maintained or upcycled, as well as reducing and avoiding the use of virgin resources altogether.

Component	Initiative	Contact	External organisation
Raw materials	Housing: Building materials in a circular economy		AHURI
	Recycled materials in level crossings	Jie Li, Rajeev Roychand, Mohammad Saberian	WPA, Ecologie Arup
	PPE for construction	Casafo, Jie Li, Mohammad Saberian	NSW Ambulance Department of Communication & Justice
	Hospitality industry recycling		Various industry and community partners Victorian Circular Activator (CTT)
	Collection of curbside glass for recycling		City of Yarra
Design	Circular economy in social innovation precinct	Usha Iyer- Raniga	
	Circular building design	Mohana Motiei	
	Save food packaging criteria	Simon Lockrey	End Food Waste Australia Australian Institute of Packaging
	Alternatives for EPS waffle Pods		Casey Council Victorian Circular Activator
Manufacture	Use of unwashed glass for civil application (construction)	Hanson, Jie Li, Rajeev Roychand, Mohammad Saberian	
	Meat waste mapping and interventions	Simon Lockrey	End Food Waste Australia Meat & Livestock Australia
	Waste tool commercialisation	Simon Lockrey	End Food Waste Australia Empauer
	Manufacturers' stakeholder in CE (Bangladesh)	Saniyat Islam	
Distribution	Blockchain innovation in the fashion industry	Saniyat Islam	

CONTACT US

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FOR FURTHER INFORMATION

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