

Circular Economy in Africa - selected examples

Circle Economy Element	Initiative	Description and benefits	People	Planet	Prosperity
Prioritise regenerative sources	Genius of Place project, Biomimicry SA, South Africa	Water and waste treatment solutions in Langrug informal settlement uses Biomimicry principles to clean up grey water, storm water and solid waste challenges.	✓	✓	
Design for the future	Mazzi Can , Uganda and Tanzania	Durable plastic container to streamline the collection, storage and transport of milk from smallholder farmers, reducing costly spoilage and spillage.		✓	✓
Incorporate Digital Technology	COLIBA , Ghana	Waste management and recycling web and mobile phone application in five schools in Ghana. Helps users monetise their waste and provide consistent supply to recycling companies.		✓	✓
Collaborate to create joint value	Suame / Kumasi vehicle repair cluster, Ghana	Collective efficiency prolonging vehicle life achieved by the 12,000 small workshops employing 200,000 workers.	✓	✓	✓
	Government / World Bank , Tanzania	Collaboration to develop more water-efficient practices among smallholder farmers [see also article in <i>Tanzania Guardian</i> 2016].		✓	✓
Use Waste as a resource	Sustainable Heating , South Africa	Biomass (residual carbon-based waste such as wood, sawdust, grain husks, sisal, etc.) is burned in furnaces, feeding local industries with steam and hot water. Ash by-product for farmers to enrich soils.		✓	✓
	EcoPost , Kenya	Plastic waste and fine biomass (e.g. sawdust, rice husks, coffee husks, macadamia dust) used to make environmentally friendly plastic lumber		✓	✓
Rethink the business model	Hello Tractor , Nigeria	Small-scale farmers request and pay for tractor services via SMS and mobile money	✓		✓
Preserve and extend what's already made	AMP (Agbogbloshie Makerspace Platform)	Initiative to build a network of mobile 'makerspaces' in Africa, starting with the "world's largest electronic waste dump" in Agbogbloshie slum.	✓	✓	✓
	Barloworld Equipment , South Africa	Caterpillar parts are repaired and refurbished with remanufacturer's guarantee		✓	✓