

Closing the loop:

What is Circular Economy and why it matters.

How do we grow our economy with care for our land and our people?

The linear economy problem

In our current linear economy, we take from the Earth, turn it into products, and throw them away. This has become normal. But is it sustainable for Nepal?

Globally, we use

100
BILLION

metric tons of resources each year.

That's the weight of more than half a Mount Everest.

In Nepal, thousands of tons of waste are generated daily.

Kathmandu Valley alone: **1,200** metric tons/day

Ranked as one the most climate-vulnerable country, Nepal faces glacial lake outbursts, erratic rainfall, droughts, and water scarcity worsened by climate change.

A new mindset

With Circular Economy, we ask a different question:
How do we grow our economy with care for our land and our people?

The linear way

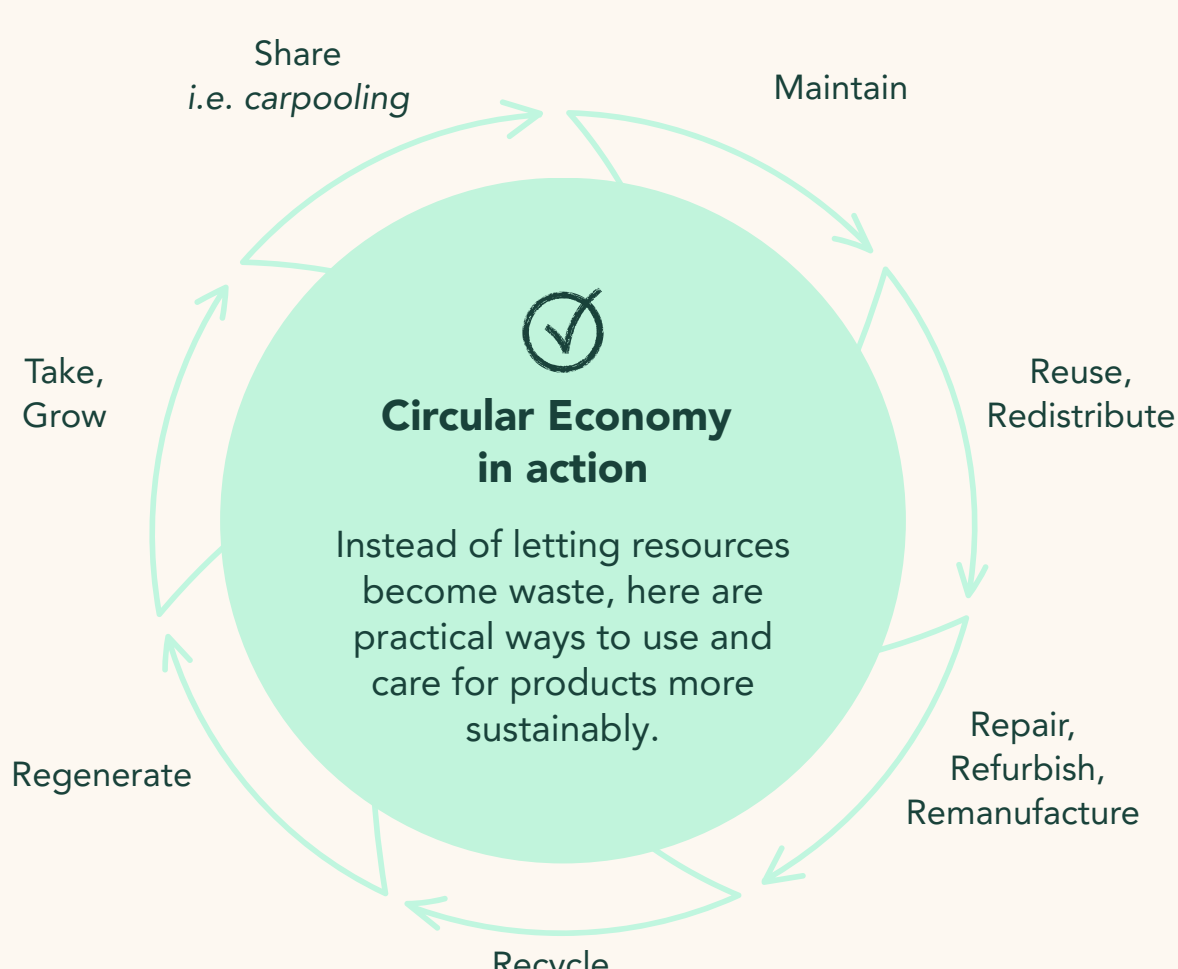
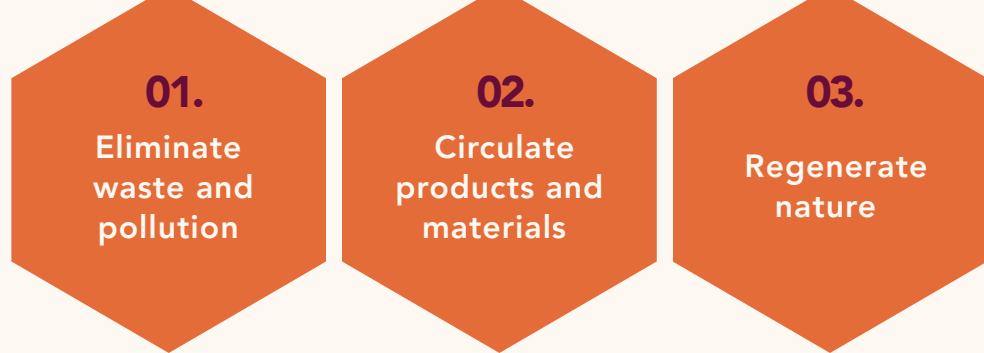
- Profit-only mindset
- Use and throw
- Extraction
- Short-term gain
- Take, Make, Waste

The circular way

- Care mindset
- Use and restore
- Conservation
- Long-term prosperity
- Take/Grow, Share, Maintain, Reuse, Repair, Recycle, Regenerate

The 3 Core principles of circular design

The goal: Stop waste from being produced in the first place through smart design



"Circularity is so much more than eco-friendly alternatives - it's a complete mindset shift. It's about closing the loop, extending product life cycles, and reducing waste." - Nasana Bajracharya, Co-Founder of Rekriti

Creating economic value through care



For the environment

- Lower greenhouse gas emissions
- Reduced landfill waste
- Protection of natural ecosystems



For consumers

- More durable products
- Repairable and shareable options
- Lower lifetime costs



For businesses & entrepreneurs

- Reduced spending on raw materials
- More efficient production
- Innovation in materials, logistics, and design



For policymakers

- Reduced national resource dependency
- Lower emissions and pollution
- Greater long-term economic resilience

Progress is already happening in Nepal

Through the Roots of Circularity (RoC) Project, Nepal is already building the foundation for a Circular future.



ABOUT

Roots of Circularity (RoC) Nepal is an innovative, educational project with the aim of developing a strong and engaging ecosystem for the Circular Economy in the country.



LEARN MORE www.rootsofcircularity.com

