

Food & Beverage

Building a Circular Food System

Civilization as we know it began with the agricultural revolution. Our ability to produce and preserve food allowed us to evolve into who we are today. But feeding 7.8 billion people comes at a cost...



Food production is responsible for up to a quarter of the world's greenhouse gas emissions.

The food & beverage industry is a major contributor to single use packaging waste.

Perhaps most discouraging... Nearly 6 garbage trucks full of edible food are wasted every second, yet millions of people around the world suffer from malnutrition and hunger.

Nearly 1/3 of the world's topsoil has eroded in the last 150 years. It takes 1000 years to grow 3 cm of topsoil.

Overuse of pesticides and fertilizers destroy local ecosystems and seep into water supplies.

A circular economy for food takes after the example set by nature; where regenerative cycles of minerals and nutrients support natural growth without creating any waste. Setting up a food system that mimics nature is no easy task, but strategies are starting to emerge.

PACKAGING

With food, packaging is more than just a component of marketing, it's essential to preserving the product and keeping it clean during distribution. We can't just eliminate it, but we can rethink it by developing reusable and compostable packaging for food products.

EFFICIENCY

With nearly a third of all food that is produced being wasted every year - improving the efficiency of the system is critical. Efficiency means getting more out of what we produce by creating new methods of production and distribution, and improved techniques for preservation.

COMPOSTING

The infrastructure for composting needs to be improved and the idea needs to be embraced. 45 million tonnes of food end up in landfills every year. Even when it's no longer edible, food is packed with nutrients that support natural growth. Composting contributes to this growth AND reduces reliance on landfills.