



# Bioeconomy

## Examples of the Bioeconomy in Action

- The bioeconomy refers to an economic system that uses renewable biological resources such as plants, animals, microorganisms, and organic waste to produce food, materials, energy, and other goods and services.
- It emphasises sustainability by reducing reliance on fossil fuels, minimising waste, and promoting the circular use of resources

### Bioplastics

Creating biodegradable plastics from agricultural waste or plant-based materials instead of petroleum



### Biorefineries

Facilities that convert biomass (like wood or agricultural residues) into biofuels, biochemicals, and other valuable products



### Sustainable Agriculture

Using precision farming techniques to optimise resource use and reduce environmental impact



### Food Waste Management

Transforming food waste into bioenergy or compost

