GTL Project

GreenTecLab

The Circular Economy

The circular economy is based on three principles, driven by design:

1

Eliminate waste and pollution

Circulate products and materials (at their highest value)

2

3

Regenerate nature

1 Eliminate waste and pollution

Waste and pollution are design failures rather than inevitable by-products.

The Circular Economy starts by changing the mindset of both producers and consumers and by applying new technologies and materials to not create negative externalities in the first place.

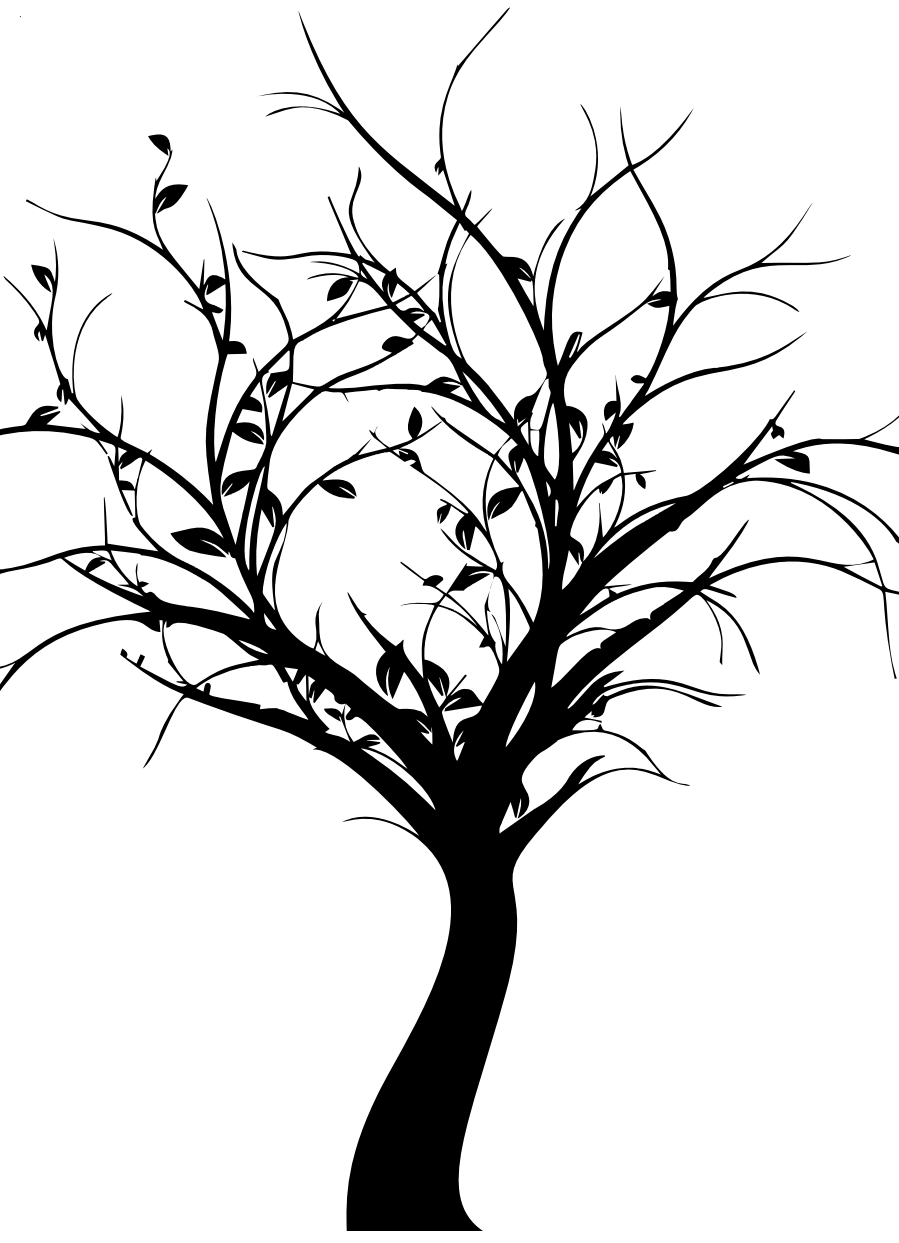
2

Circulate products and materials

Design should focus on products that can be reused, repaired or remanufactured to manufacture things that last as long as possible. While products like food and packaging should remain in circulation and do not end up in the landfill.

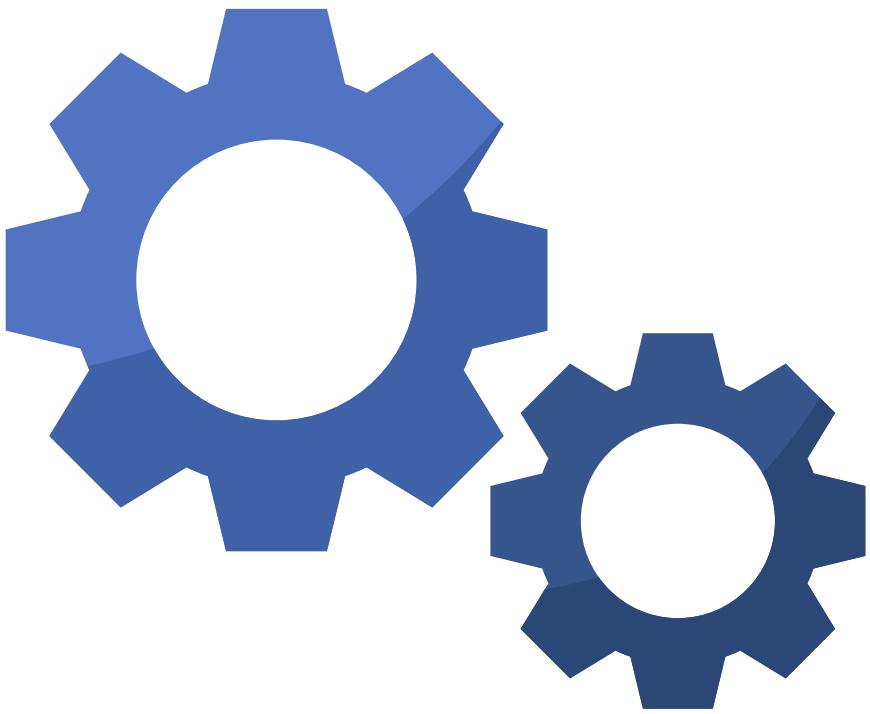
3 Regenerate nature

Nature does not waste! It is a pretty simple and deeply true concept, everything is food for something else and at the end the natural materials return to the soil to provide nutrients and to start another cycle.



The Circular Economy philosophy divides our economic system in two cycles:

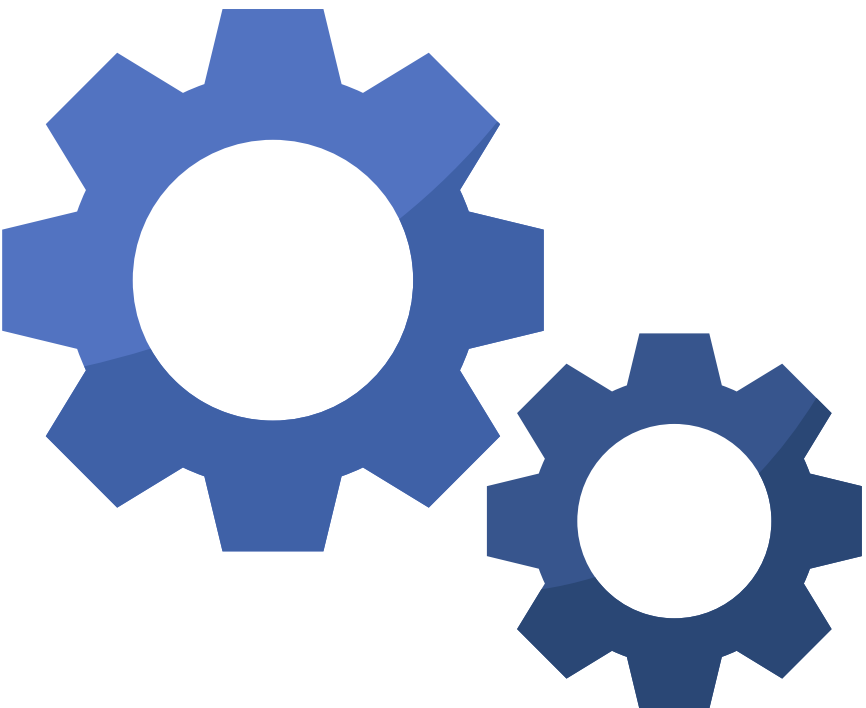
The Technical Cycle



The Biological Cycle

The technical cycle

The materials represented in the technical cycle are finite and require a long time to regenerate. Thus, they represent a resource and the Circular Economy aims to maintain them as long as possible in the economic flow.



The biological cycle

Materials belonging to the biological cycle degrade naturally or after going through processes. These processes allow the extraction of important resources.

Circular Economy is a state of mind that starts from the design phase, thus the role of enterprises is crucial for the transition

Take a look at these enterprises that are taking part in the GTL project and how they are implementing Circular Economy in their business

SHUFLIK

The registered brand SHUFLIK brings a solution for primary schools in the form of eco packaging for geometry and art subjects.

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https://www.shuflik.com/

iKO Capital

Web portal created for companies which do operate machinery and tools rental and also for companies which do have free machinery or tools resources which they could provide for rent.

https://iko.capital/

TZB ECO s.r.o.

Offers a collaboration project www.ecoportal.site in the ecoportal with a presentation of new solutions for the circular economy.

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http://www.ecoportal.site/

Visit the websites and take a look at these Circular Ideas

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