

**EXISTING** 

ECONOMIC MODEL

TAKE

CONSUME

WASTE

#### CIRCULAR ECONOMY

**NEW MODEL** OF PRODUCTION AND CONSUMPTION



Materials are kept within the economy thus creating added value

### WHY IS CIRCULAR ECONOMY SO IMPORTANT?

**Growing world** 

MAKE

THRO

Relies on large

materials and

energy

quantities of cheap,

easily accessible

**#** 





improving old or used products,

buildings etc. in order to give them a

REPAIR

Taking what is broken and putting it again into service. Includes **design and production** quality measures to ensure repairability of products. Opposite od planned obsolescence.

Making ecology and environmental concerns part of the design process = manufacturing more sustainable products. Not only about functionalities, but also

product (packaging, avoiding plastic

bags, etc.)

about the raw material, the packaging, etc.



#### MODELS ESIGN D

Systems approach

ECODESIGN

Maximizing positive footprint

# **CIRCULAR** based on:

- **Optimised** material choice
- More modularisation / standardisation

Environmental issuental

Product focused

- Production process efficiencies
- Design to last
- **Easier** disassembly

## ECODESIGN

Integration of environmental aspects with the aim of improving the environmental performance of the product throughout its whole life cycle

opportunity

Requires whole

ecosystem.

involvement

# **CIRCULAR**

Maintains linear

economy approach

Minimazing negati Binimazing negati Binimental

impact

## MODULAR

Creates things out of independent parts with standard interfaces making them customizable, upgradeable, repairable and reusable