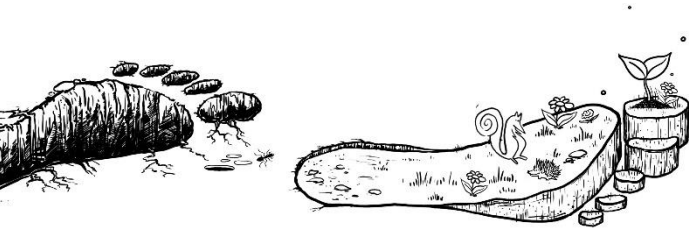




CRADLE TO CRADLE E.V.



Cradle to Cradle – A Holistic Approach Towards High Quality Production

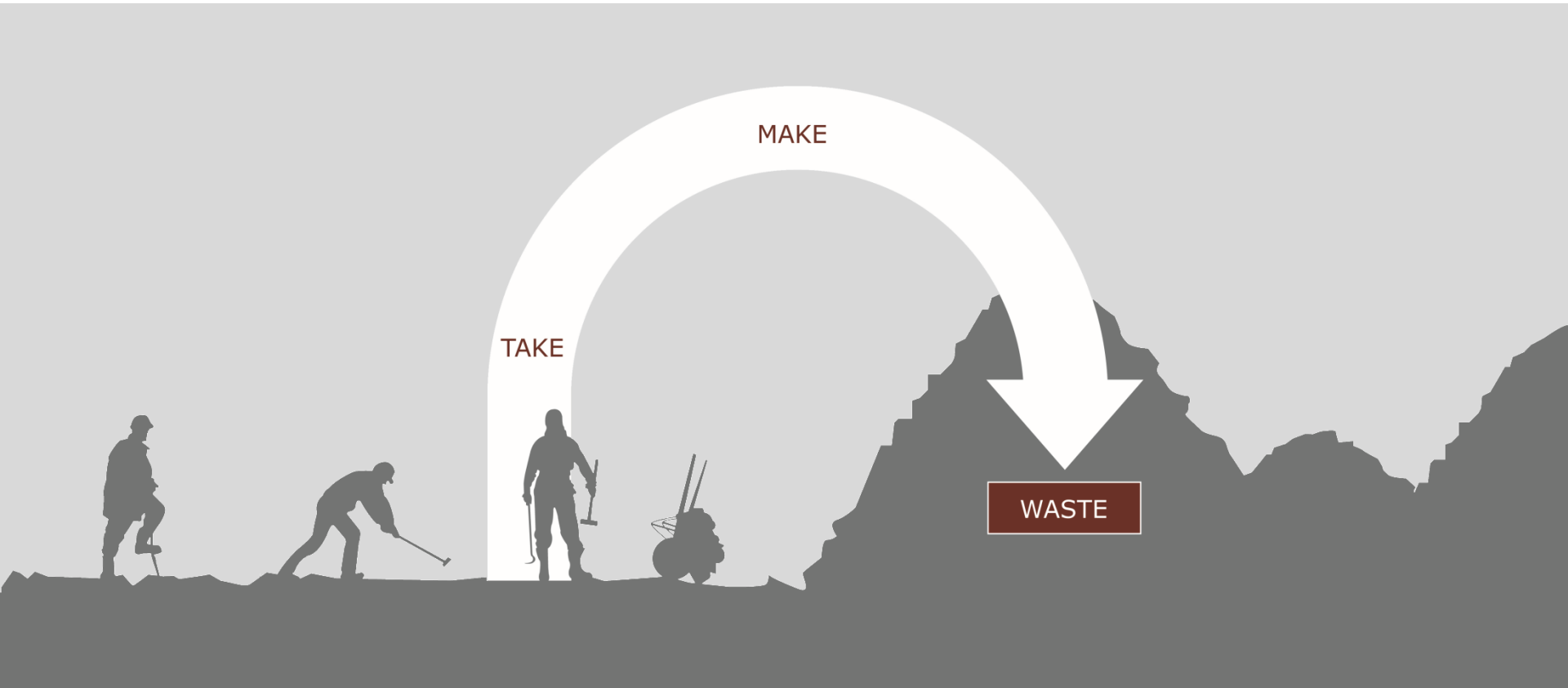
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Current situation: cradle to grave



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Consequences: Enormous amounts of waste



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Consequences: pollution and destroyed areas



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Consequences: health problems and extinction of species

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Better solution: cradle to cradle

**Cradle to Cradle is a design concept
following the example of nature.**

Waste doesn't exist.

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Cradle to cradle principles⁷



Every product is designed in a way that it is a nutrient for another product. Waste = Food.



Every product is produced with renewable energy. The sun is a source of power for everything.



Every product contributes to worldwide diversity – either in the sense of culture or biodiversity.

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Cradle to cradle nutrient circulation

Consumption Products
.Biological Nutrients.



Service Products
.Technical Nutrients.



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Cradle to cradle biological cycle



For the preservation of humus
and plants; CO₂ storage



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Cradle to cradle technical cycle



For the recovery of resources in high quality (up-cycling);
concept of service: use a product, you don't need to own it

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What has to be done to create a cradle to cradle world?

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Separation and recycling of nutrients



Metal



Paper



Packaging



Natural nutrients

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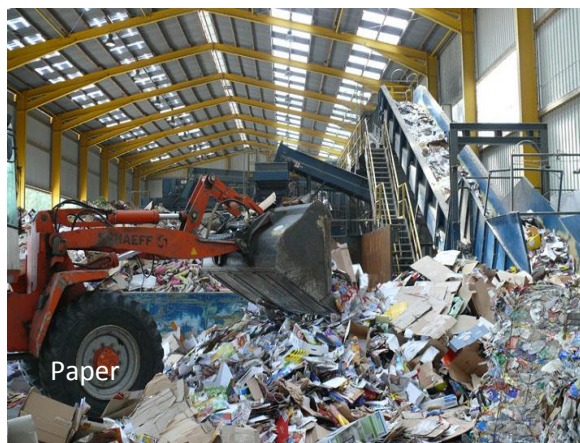


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Situation today

Most of our products are not made for separation, disassembling and recycling.

They are not healthy either.



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General situation today

- Too many different kinds of material
- Different materials glued together or manufactured in an inseperable way
- Too many dangerous materials or components (chemicals, heavy metals) that affect our health
- Producers often do not know the components of their products
- Missing infrastructure for recycling (recycling know-how, recycling plants, take back-systems)
- Use of fossile energy; affects nature, animals and humans

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In a cradle to cradle world...

- Products that vanish or change while being used (i.g. cleaning agents, tooth paste, sole of shoes...) have to be designed for the biological cycle; they are fully biodegradable
- Products that do not vanish or change while being used (i.g. machines, interior designs...) are designed for disassembling (technical cycle)
- Components are seperable and do not contain unhealthy elements
- Producers have to take their products back to recover their materials and use their components again



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Examples for the biological cycle



Trigema Biodegradable T-shirt



© Trigema



Biodegradable t-shirt by Trigema
(industrial composting)

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Examples for the biological cycle



Photo: Gugler

Writing paper, toilet tissue and a childrens' book with no harmful chemical components (i.g. colors made from mineral oil)

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Examples for the biological cycle

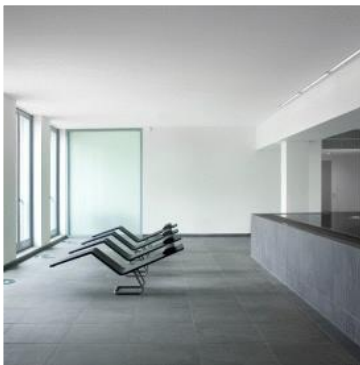
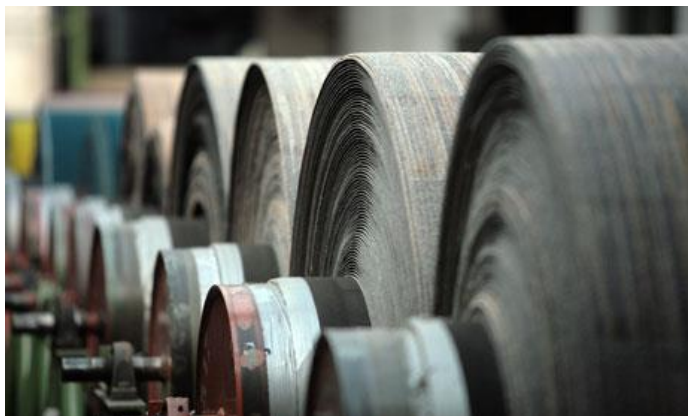


Cosmetics, care products and cleaning agents with no harmful chemical components (i.g. surfactants made from mineral oil); some producers are already optimizing their packaging, too.

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Examples for the technical cycle



Floor covering, produced with natural and synthetical material; recycling mostly organized in a take back-system of the producer



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Examples for the technical cycle



Bricks that have a „click system“ and work without mortar/cement; a television set where toxic components have been substituted, and pens mostly manufactured with recycled material.

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Examples of holistic quality



Town hall of
Venlo,
Netherlands



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C2C – a contribution to more quality (of life) - towns could look different!

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It is up to us

Let's leave a positive footprint.



Dr. Monika Griefahn

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