

16. Konferencija o održivom razvoju

Living well using less?

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Agenda

1. Where are we going?
2. Change but how?
3. What can we do?

WHERE ARE WE GOING?

„Be sure to wash your hands and all will be well”



Urgent need for action

Climate emergency

The increase is
already 1.5 °C



Biodiversity loss

68% of wildlife has
already been lost
ONE MILLION species
will become extinct by
2050



Rising inequalities

The richest 1% own 45%
of global wealth, the
poorest 50% barely 0,75%.

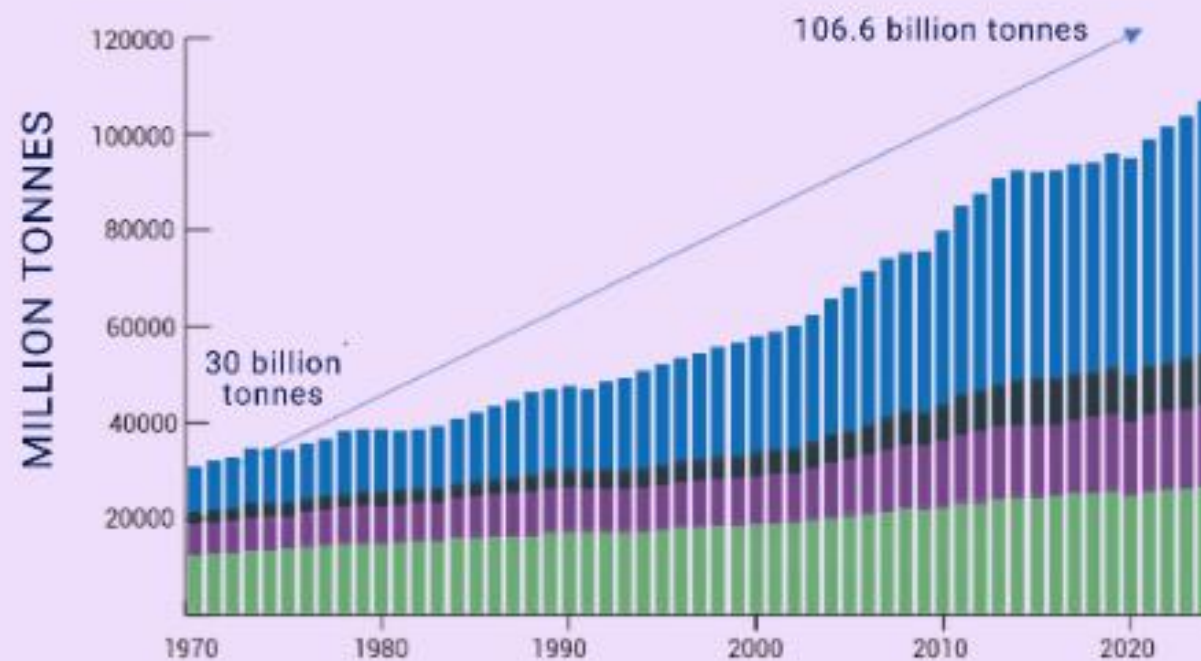


Resource: WBCSD Vision2050

Unsustainable
resource-use
is the **key driver**

Material use has increased

It grew more than 3x over the last 50 years and continues to grow by an average of more than 2.3% per year.



Biomass



Non-metallic
minerals



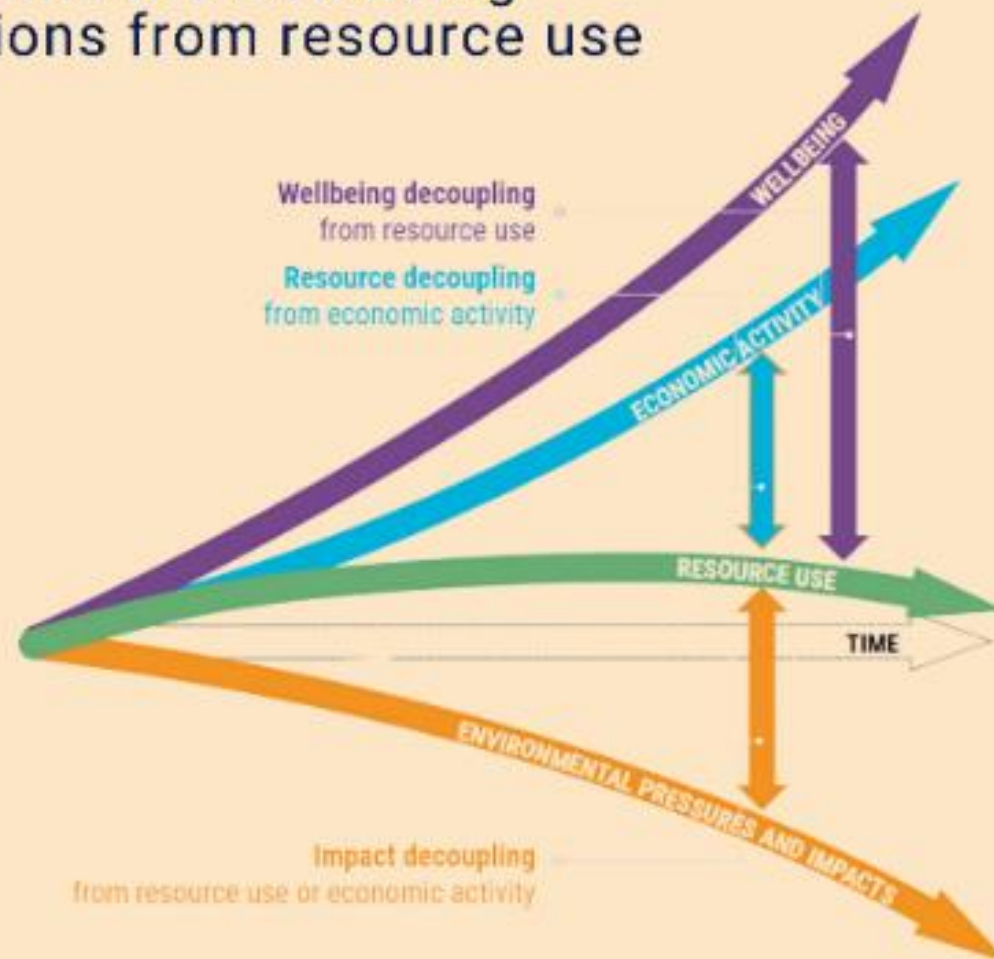
Fossil fuels



Metals

Decoupling is the **solution**?

Delivering on the SDGs for all requires decoupling, so that the environmental impacts of resource use fall while the well-being contributions from resource use increase







CHANGE, BUT HOW?

Recommendations

Strategies for reducing resource use across the provisioning systems



Provisioning system	 Food	 Built environment	 Mobility	 Energy
Recommendations	<ul style="list-style-type: none"> Reducing the demand of the most impactful food commodities Reducing food loss and food waste Protecting and restoring productive land while meeting demand for nutrition 	<ul style="list-style-type: none"> Assuring sustainability of the new building stock Retrofitting the existing building stock More intensive use of buildings 	<ul style="list-style-type: none"> Cities moving towards active mobility and public transportation Reducing carbon-intensive frequent traveling modalities Decreasing emissions intensity of transport modalities 	<ul style="list-style-type: none"> Decarbonizing electricity supply through the scaling up of low-resource renewable energies and increased energy efficiency
Outcomes from policies modelled in Scenarios	Can decrease the land needed for food by 5% compared to 2020 levels while more equitably ensuring adequate nutrition for all	Can decrease building material stocks by 25% by 2060, leading to a 30% decrease in energy demand, and 30% decrease in GHG emissions compared to current trends.	Can reduce related material stock requirements (-50%), energy demands (-50%) and GHG emissions (-60%) by 2060 compared to current trends.	Can drive a sharp decrease in energy demand, with reductions of climate impacts by more than 80 per cent.

Food



Food

- Reducing the demand of the most impactful food commodities
- Reducing food loss and food waste
- Protecting and restoring productive land while meeting demand for nutrition

Can decrease the land needed for food by 5% compared to 2020 levels while more equitably ensuring adequate nutrition for all



Resource: agriculturediver.com

Built environment



Built environment

- Assuring sustainability of the new building stock
- Retrofitting the existing building stock
- More intensive use of buildings

Can decrease building material stocks by 25% by 2060, leading to a 30% decrease in energy demand, and 30% decrease in GHG emissions compared to current trends.



Resource: Greenpearls.com

Mobility



- Cities moving towards active mobility and public transportation
- Reducing carbon-intensive frequent traveling modalities
- Decreasing emissions intensity of transport modalities

Can reduce related material stock requirements (~50%), energy demands (~50%) and GHG emissions (~60%) by 2060 compared to current trends.



Resource: nationaltransport.ie

Energy



Energy

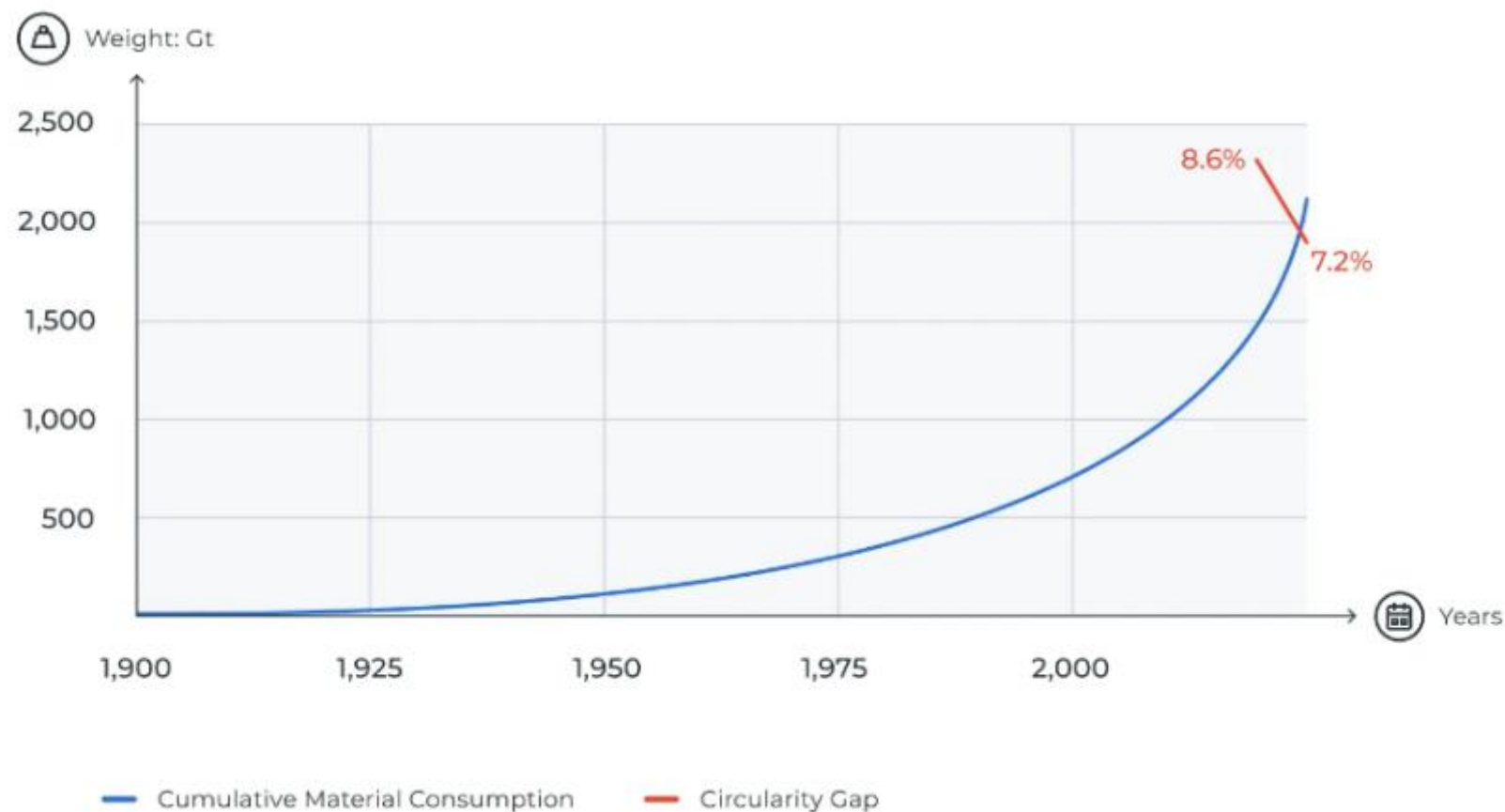
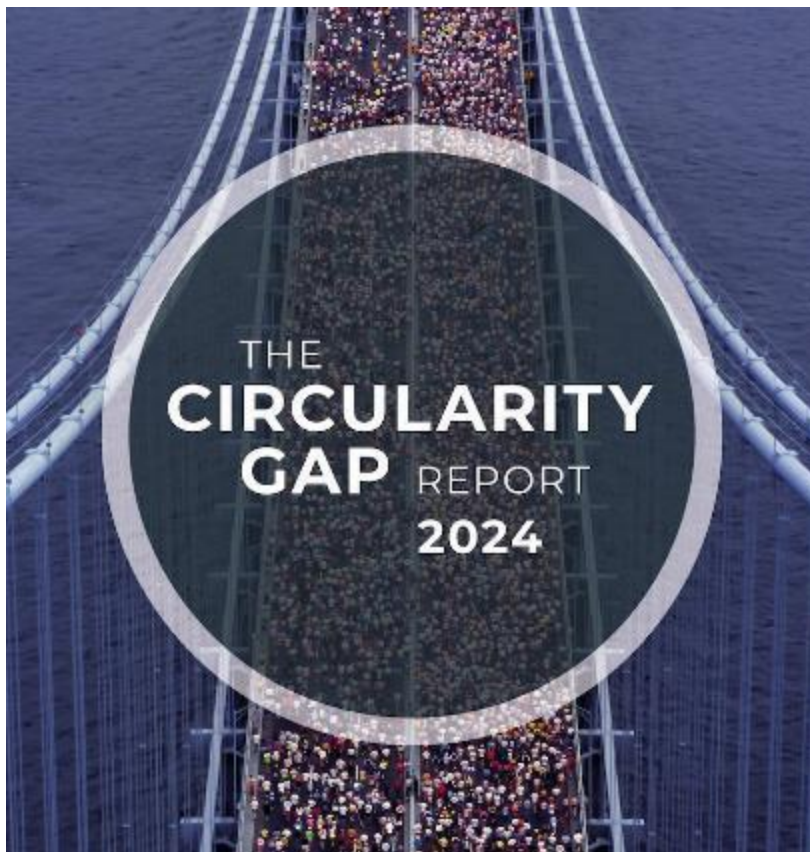
- Decarbonizing electricity supply through the scaling up of low-resource renewable energies and increased energy efficiency

Can drive a sharp decrease in energy demand, with reductions of climate impacts by more than 80 per cent.



Resource: Solarize Blog

The circularity gap is **getting deeper**



[Circularity Gap Report 2024](#)

WHAT CAN WE DO?

„The **Earth** is what we have in common.”



What is the price of a bee?



Resource: wikipedia.org

What is the value of a bee?



Resource:
wikipedia.org

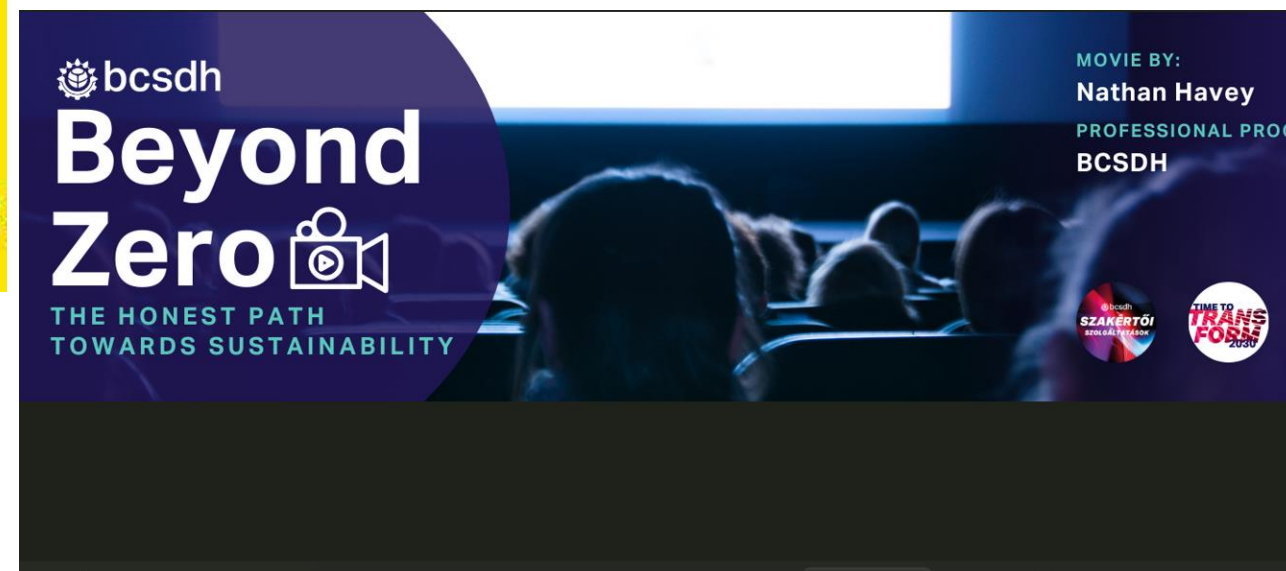
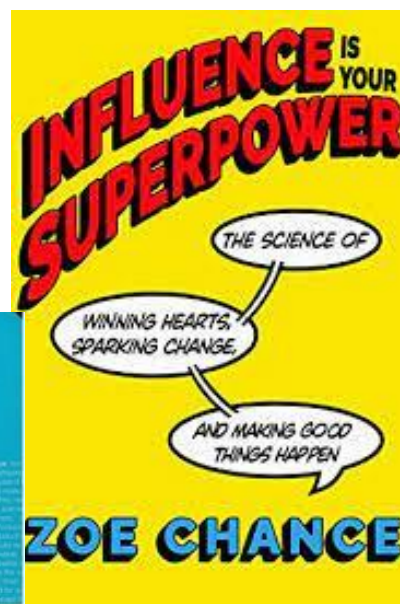
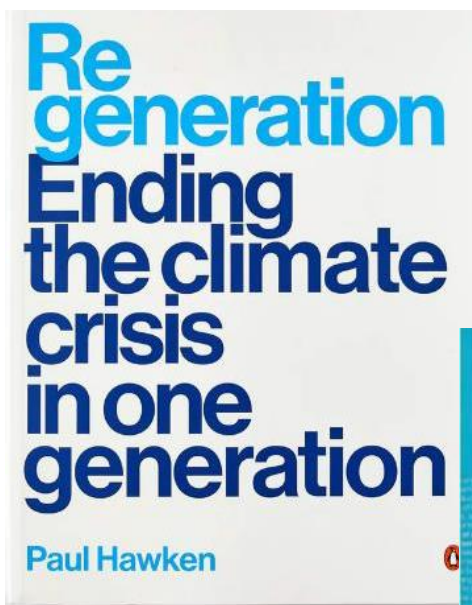


Summary

- Serious challenges
- Act on corporate and personal level
- There are solutions
- We can do it together



Food for thoughts



WHAT WILL YOU DO?

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