

CIRCULAR ECONOMY



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A lush green forest with sunlight filtering through the trees. The scene is filled with vibrant green foliage and large, gnarled tree trunks. Sunlight creates a soft, hazy glow in the center of the forest, highlighting the dense canopy and the forest floor covered in green plants.

Definition

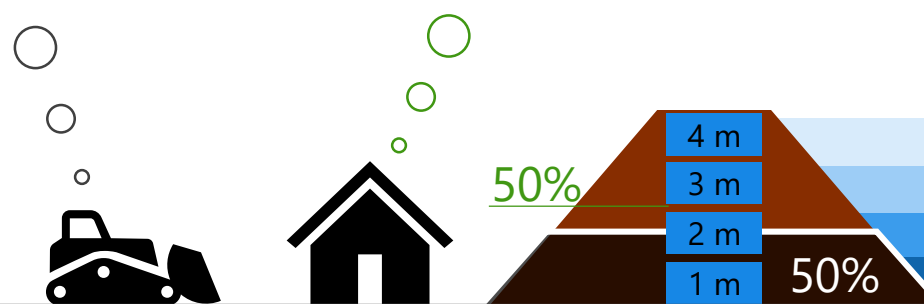
A circular economy is an economic system where products and services are traded in closed loops or 'cycles'

- Kraaijenhagen, Van Oppen & Bocken. 2016, Ellen MacArthur Foundation, 2016

How do we measure?

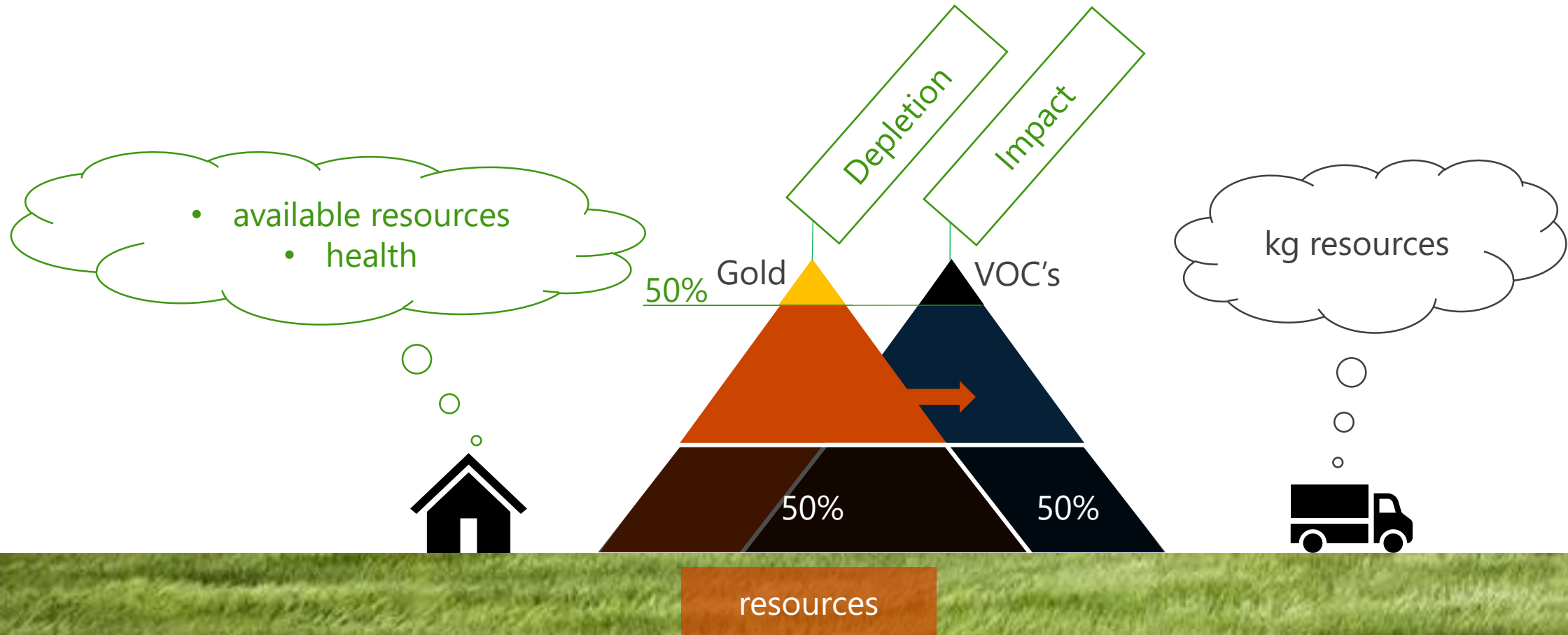
1.000 ton soil

4 meters protection



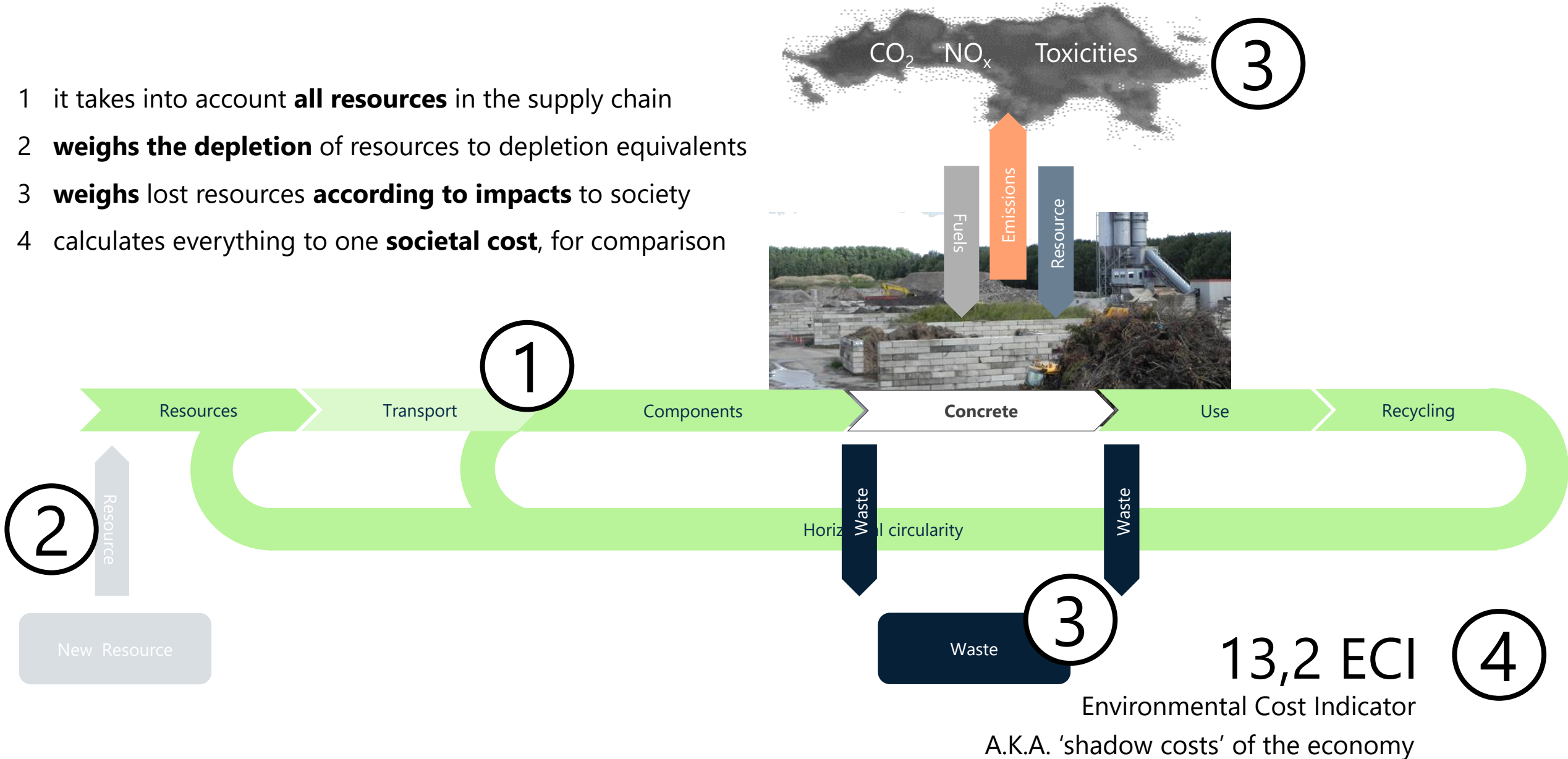
How do we measure resource circularity?

- the economy is an **ecosystem**
- resource supplies remain **available**
- because of which **no pollution** can occur




The Circular economy is more than Recycling

- 1 it takes into account **all resources** in the supply chain
- 2 **weighs the depletion** of resources to depletion equivalents
- 3 **weighs** lost resources **according to impacts** to society
- 4 calculates everything to one **societal cost**, for comparison



Environmental costs express circularity

- with zero environmental costs, the system acts as an **ecosystem**
- with less than zero environmental costs, you are **repairing Earth's ecosystems**

Fuels Resources Emissions Waste		Environmental effects	Units	Environmental Costs (Euro)
				Abiotic resource depletion Depletion of fossil fuels Climate change Ozone layer depletion Smog Acidification Eutrophication Human Toxicities Water Toxicities Marine Toxicities Soil Toxicities

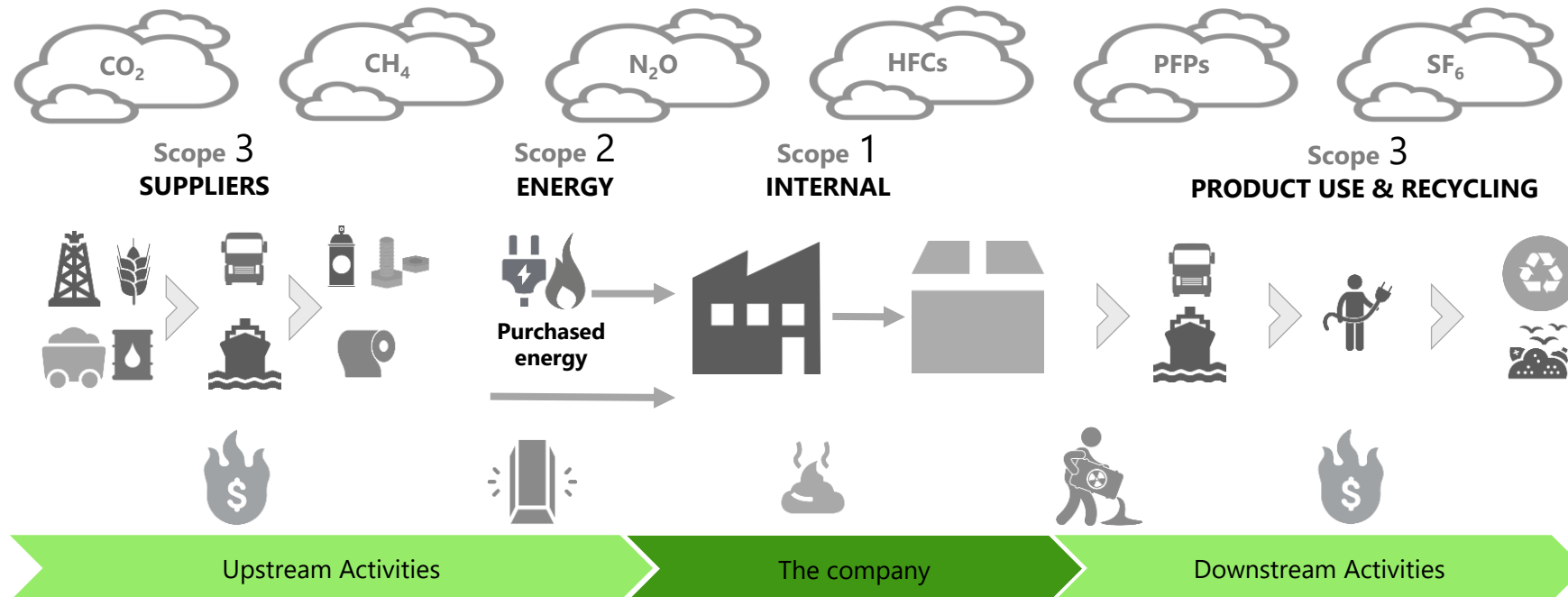
One small concrete company can exhibit a **footprint** of 1.7 million euro in environmental costs

I want to purchase circular products

I want to create circular products

The circularity of products is measured in **depletion and impact**

With **life cycle assessments (LCA)** you can measure these accurately



Want to lead?

1

Find **support** from your production facility

2

Open a **free** Ecochain account and join our **training**

3

Discover each and every environmental **hotspot**

4

Eliminate pollution and repair our **Ecosystem**

