HOUSEFUL

MATERIAL INDICATOR FOR CIRCULAR ECONOMY

Rachel Louiws

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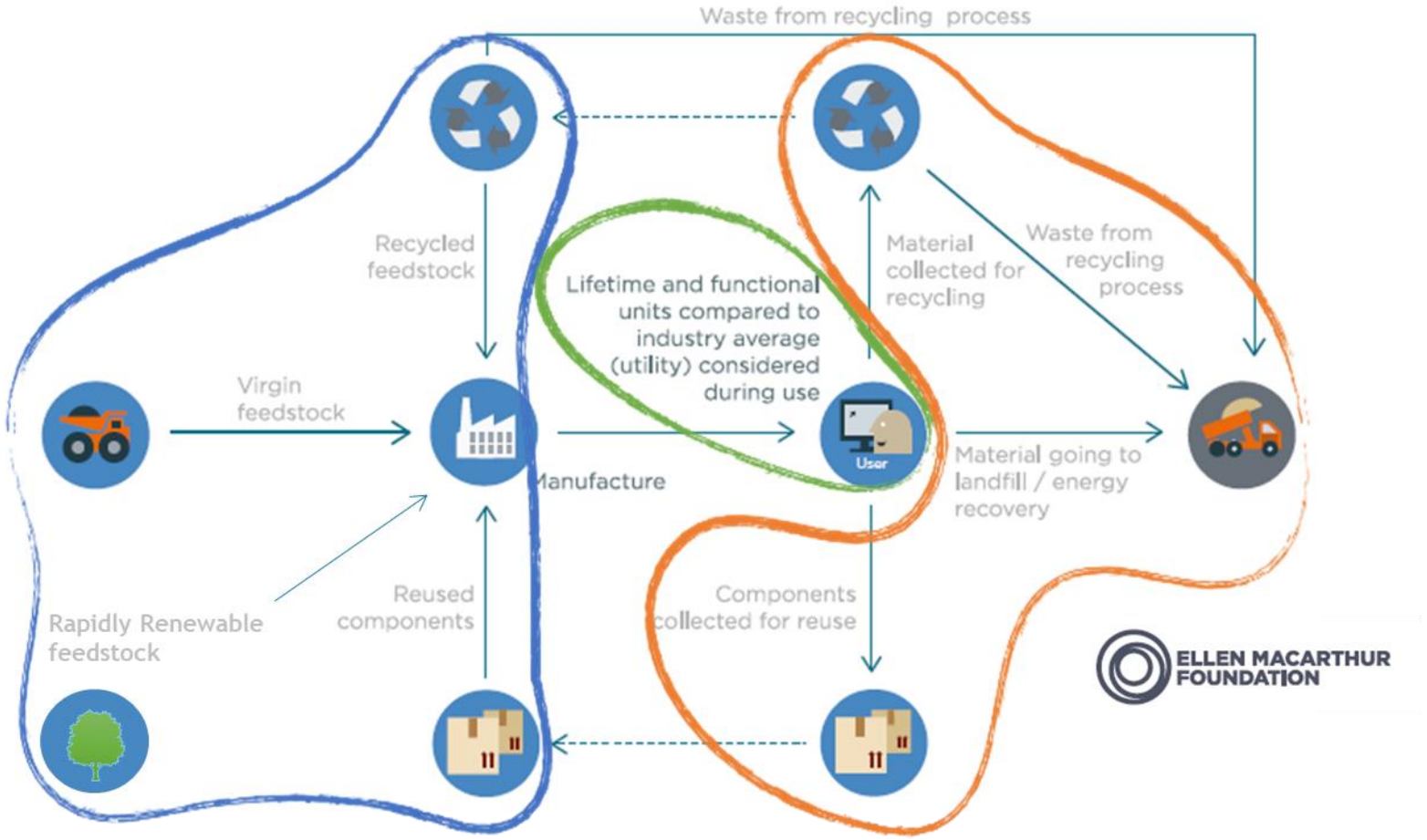
MADASTER

turn too

Material Circularity Indicator



1) Input in the production process:
How much input comes from virgin & recycled materials and reused components?

2) Utility during use phase: How long / intensely is the product used compared to an industry average product of similar type?

3) Destination after use: How much material goes into landfill (or energy recovery), how much is collected for recycling, which components are collected for reuse?

Houseful activities

What

BIM

XLS

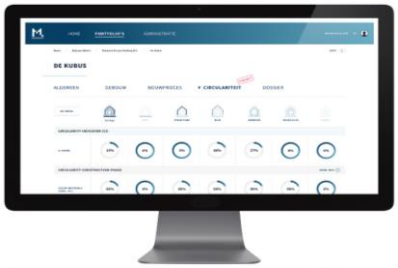
PDF

DOC

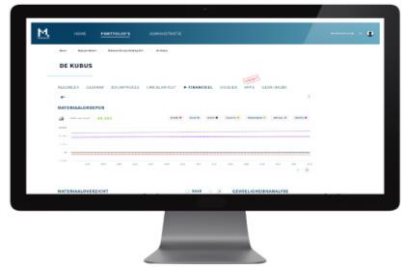
Why is this important?

How

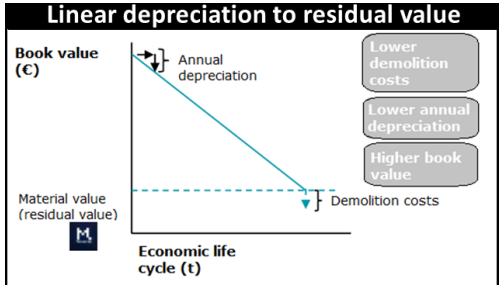
Material



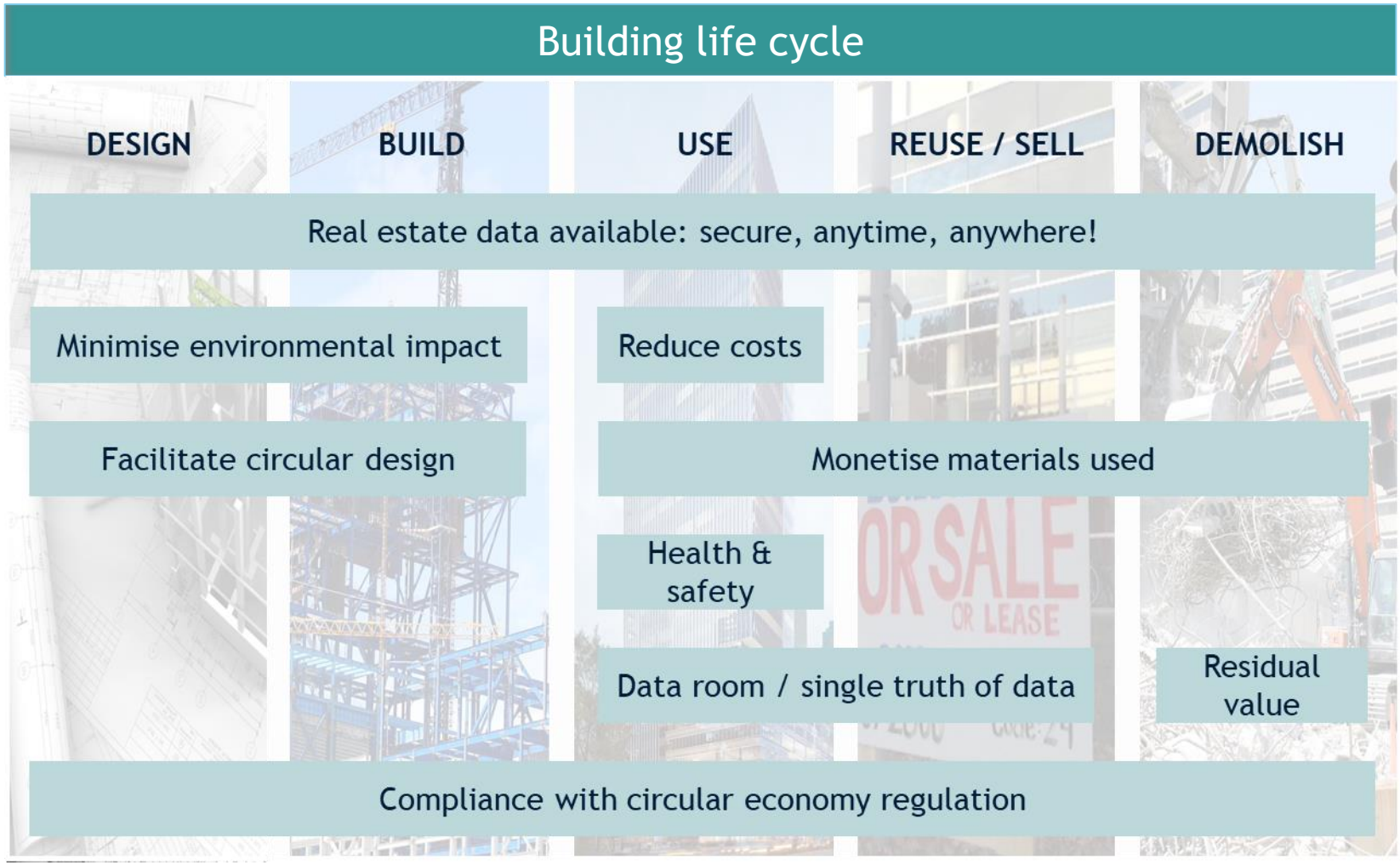
Circularity



Financial

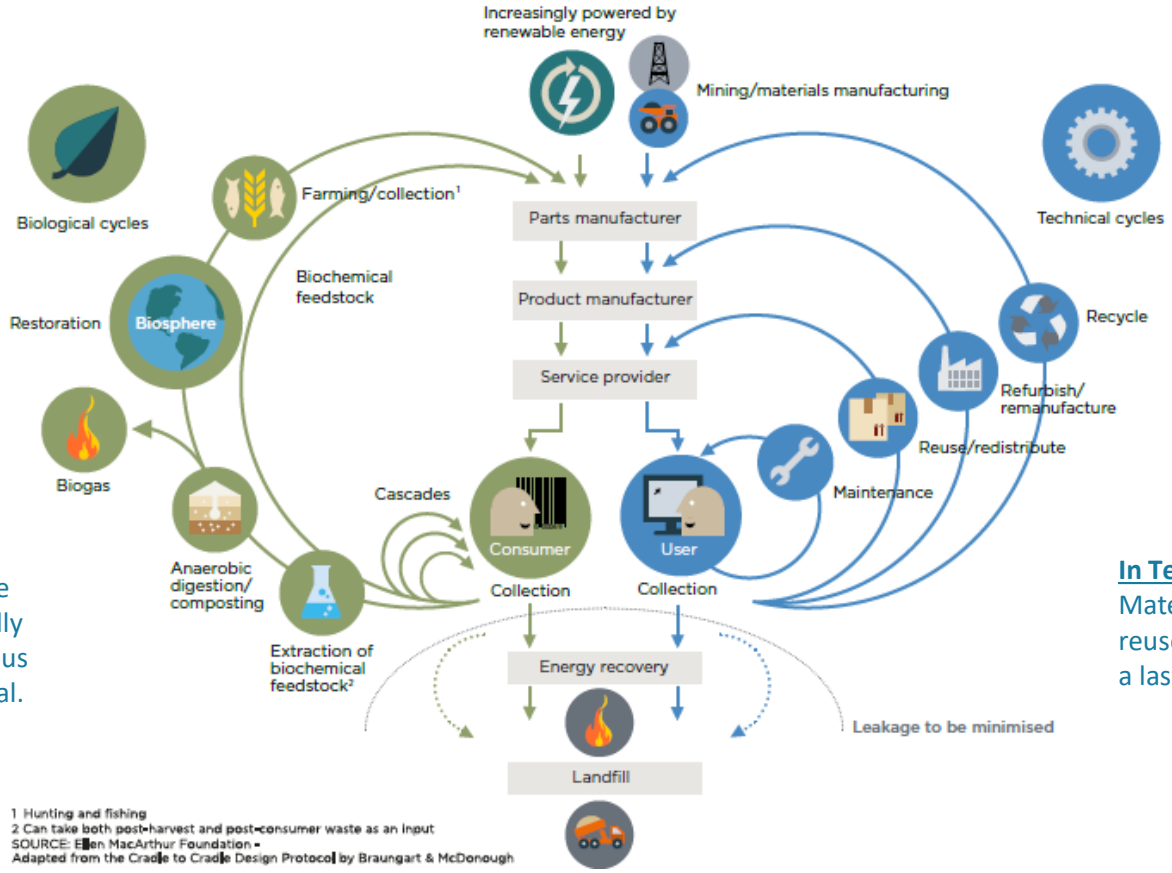


Additional opportunities



Q&A

Material Pilar (Turntoo)



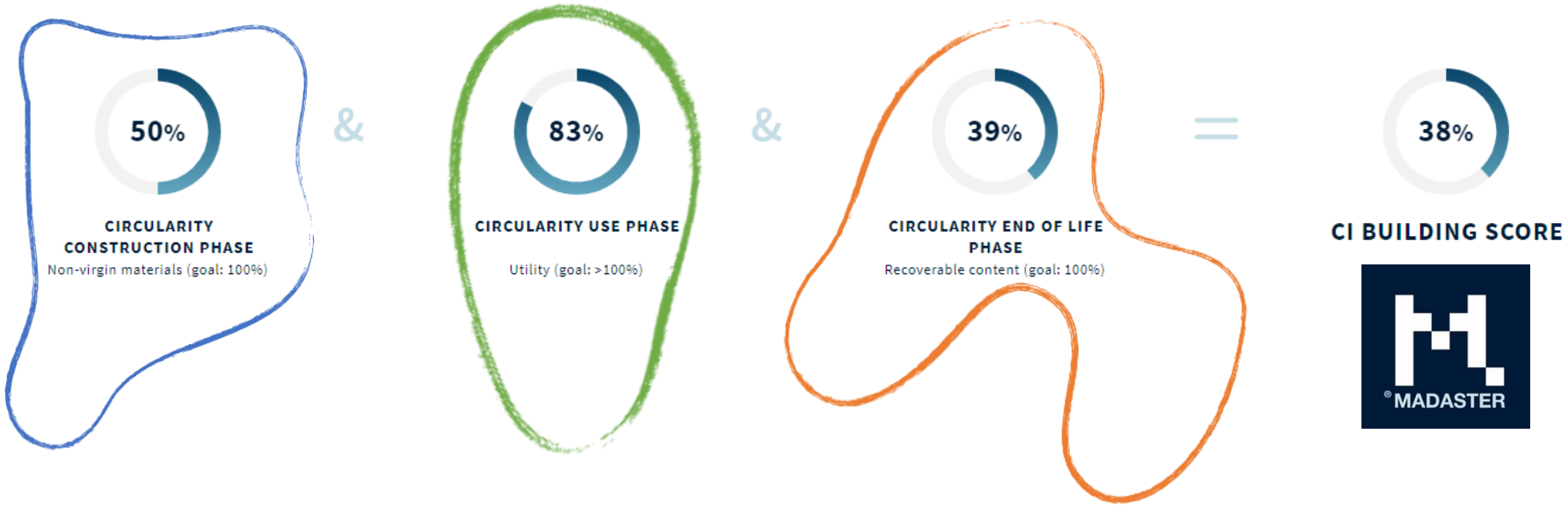
In Biological cycles:
Non-toxic materials are cascaded and eventually returned to the soil, thus restoring natural capital.

In Technical cycles:
Materials are maintained, reused, refurbished and (as a last resort) recycled.

The tighter the cycle the more economic value is retained.

Madaster Circularity Index

The **Madaster Circularity Indicator** assesses the level of circularity of each building between 0 and 100% based on the user's uploaded information to the Madaster platform. The Madaster CI assesses a buildings and products on three phases within the building's lifetime:



1) Construction phase:
What is the proportion of 'virgin materials' compared to 'recycled, reused or rapidly renewable materials'?

2) Use phase: how long are products and materials used compared to average lifetimes of similar products?

3) End of Life phase: what is the destination of the materials or products of a building at the end of the lifetime? Will they be reused, recycled or wasted?

Madaster platform process