

VOLVO

RESOURCES



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V O L V O



**THE BIG
PICTURE**



**RESOURCE
EFFICIENCY**



**CIRCULAR
ECONOMY**

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THE BIG PICTURE



VOLVO

FINITE



VOLVO

REUSABLE



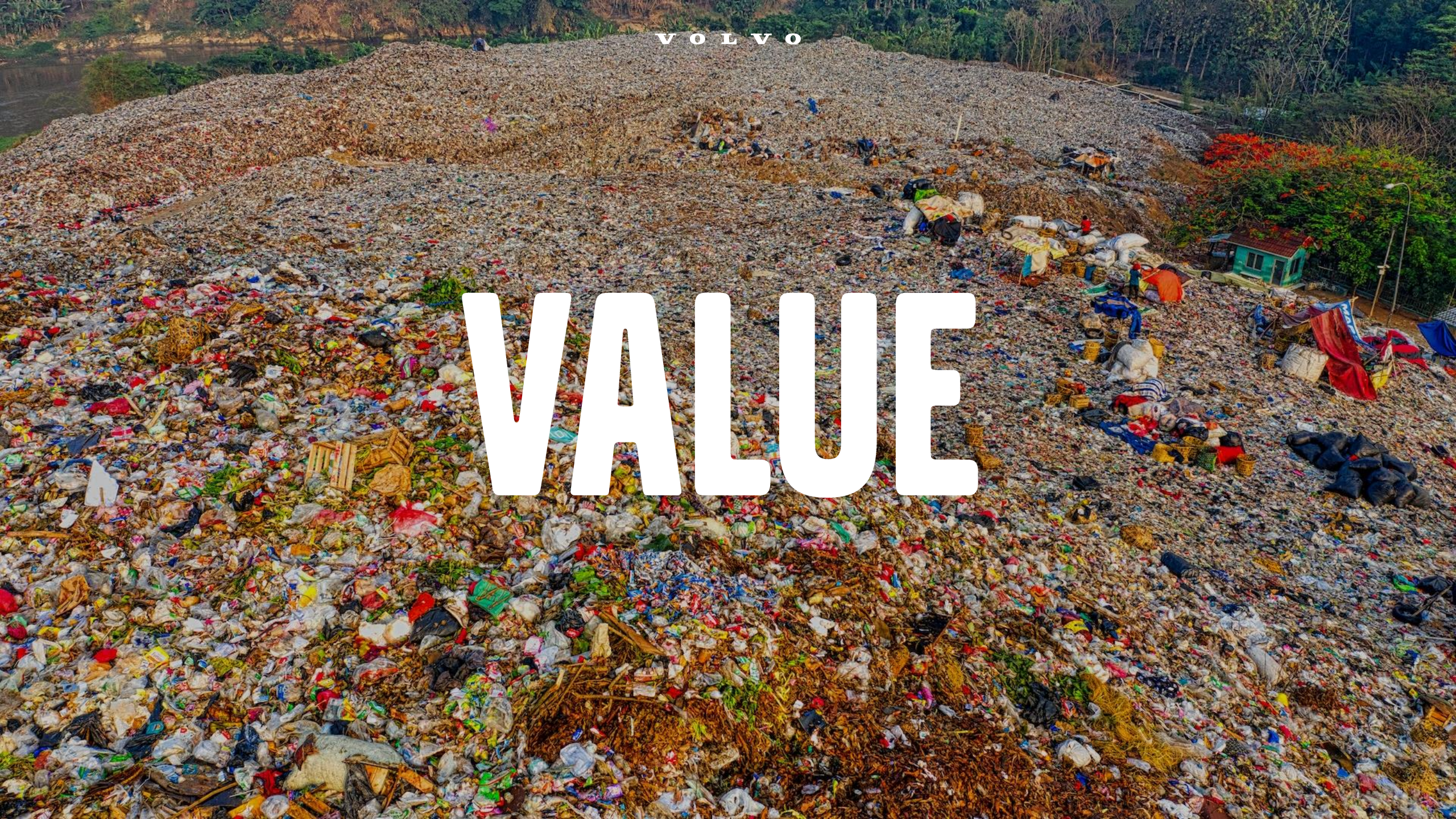
VOLVO

WASTE



V O L V O

VALUE



VOLVO

EMISSIONS

VOLVO

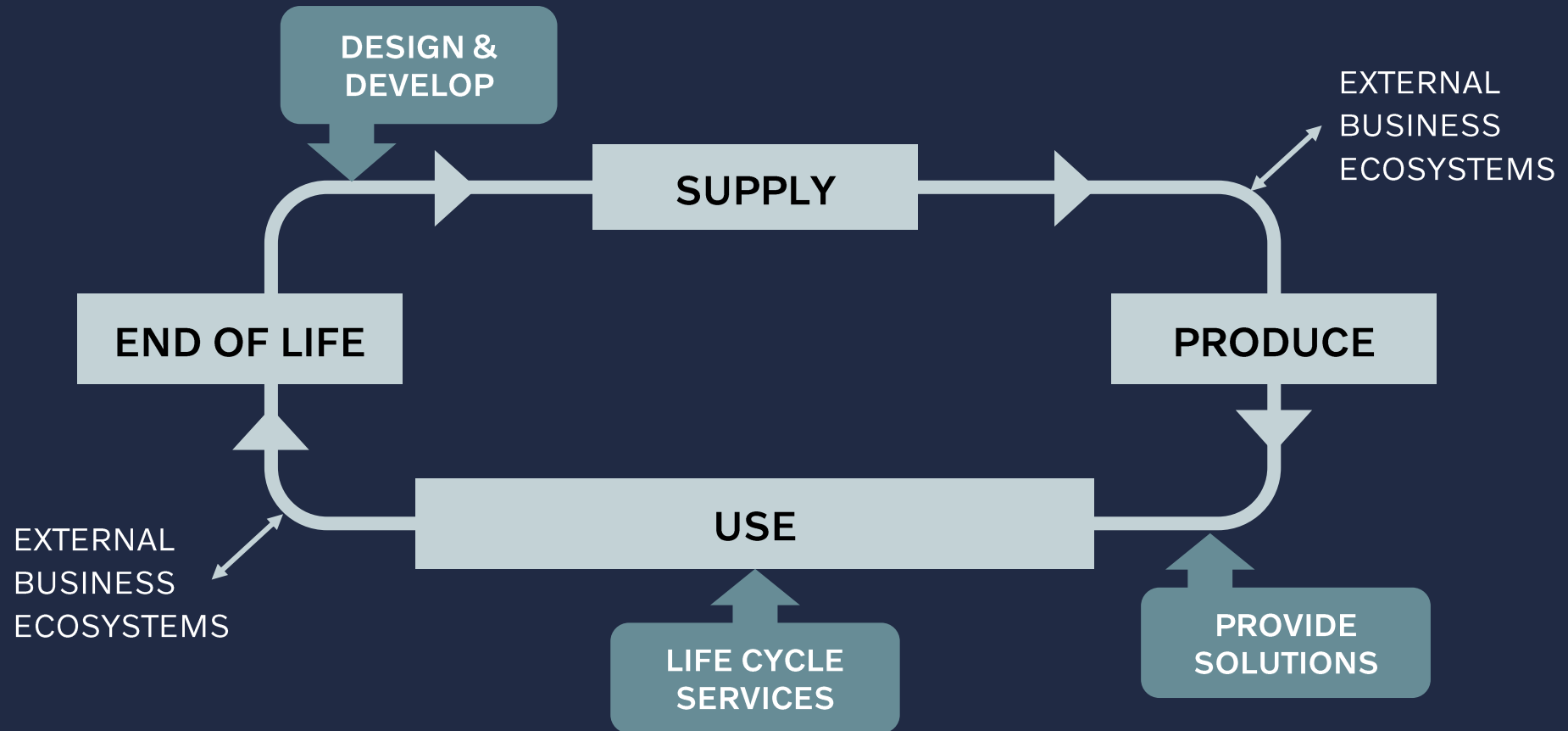
REGENERATE

RESOURCE EFFICIENCY



The future way of working

Circular



A schematic view – food for thought only

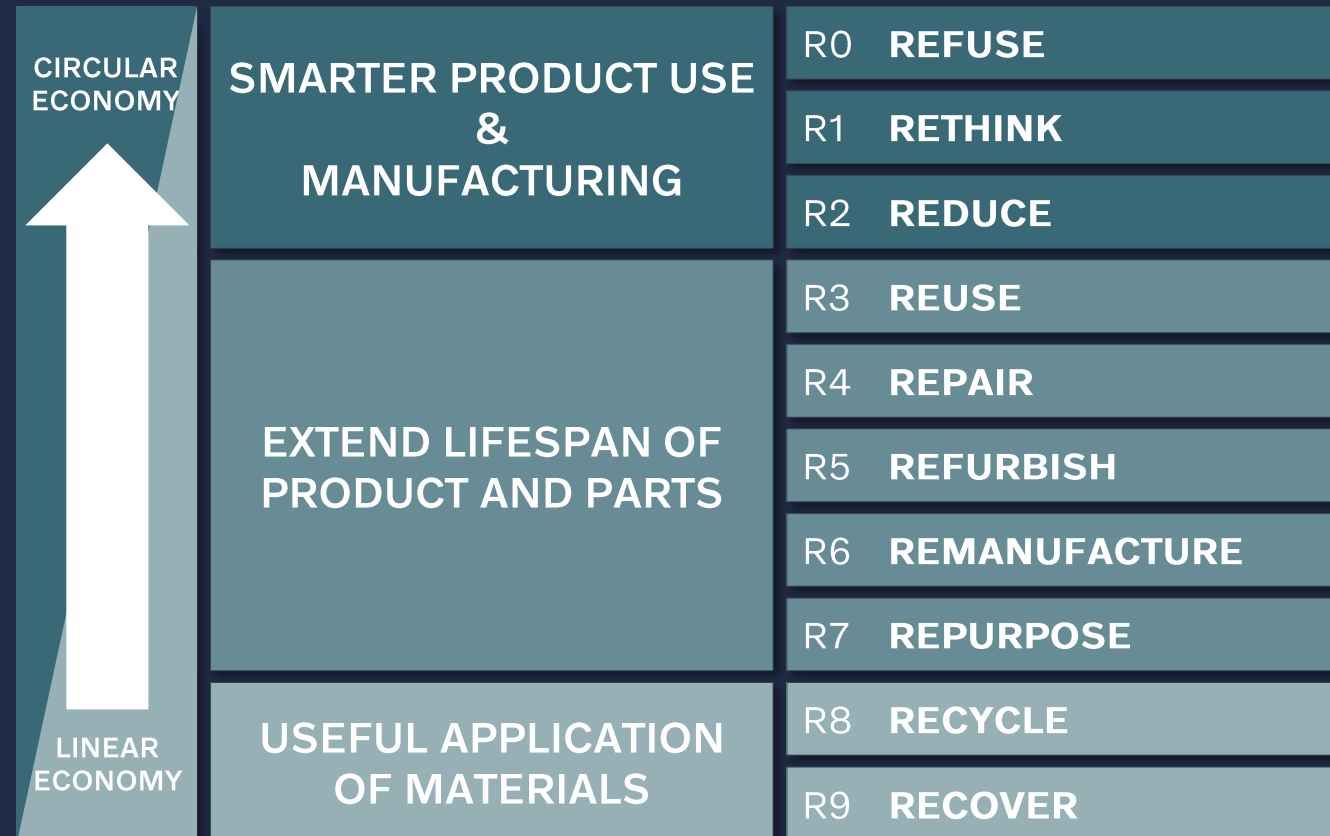
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CIRCULAR ECONOMY



The R-framework

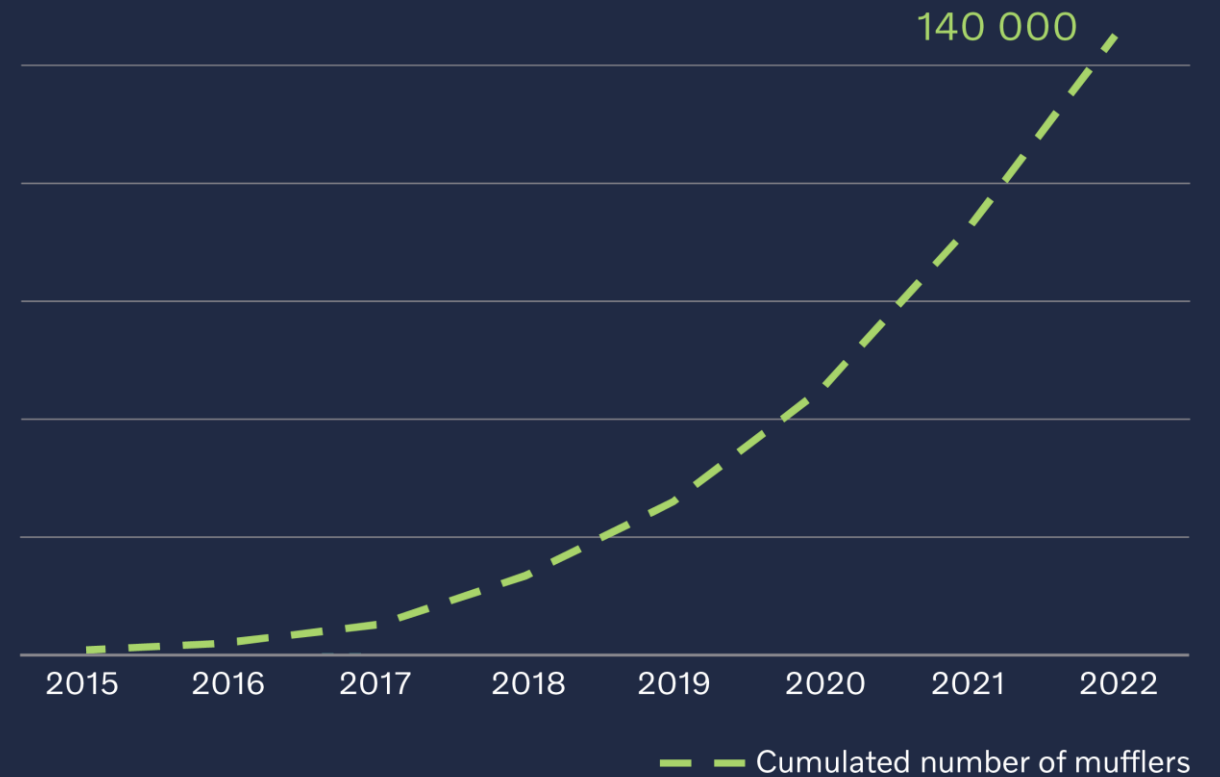
Tangible circular strategies



The R-Framework, adopted from Potting et al. (2017), colors modified

A practical and successful example of circular thinking

The muffler and diesel particulate filter (DPF)



R-strategies in reality

Multitude of R Values deployed

R0	REFUSE	✓
R1	RETHINK	✓
R2	REDUCE	✓
R3	REUSE	✓
R4	REPAIR	
R5	REFURBISH	
R6	REMANUFACTURE	✓
R7	REPURPOSE	
R8	RECYCLE	✓
R9	RECOVER	

Reusing 85% of the material from the original muffler

Fully remanufactured muffler with clean DPF

Recycling of precious metals with limited supply

4861 tonne/year CO₂ reduction
based on 16K yearly volume

Material	Weight (Kg)
Stainless Steel	1 237 500
Palladium	34
Platinum	104

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KEY TAKE-AWAYS





CIRCULAR ECONOMY



COLLABORATION



R-FRAMEWORK



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Together
WE SHAPE THE WORLD
we want to live in



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