



Circulair aanbesteden



alba
concepts.



alba
concepts.



alba
concepts.





Wouter Roemaat

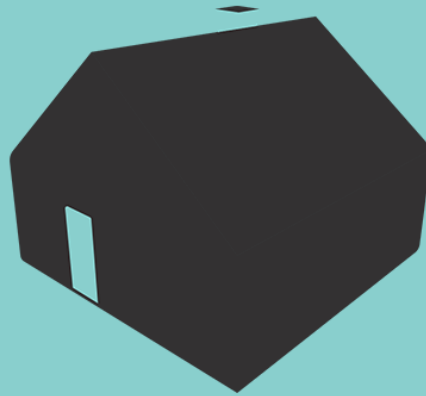
Project-Procesmanager

Partner Alba Concepts

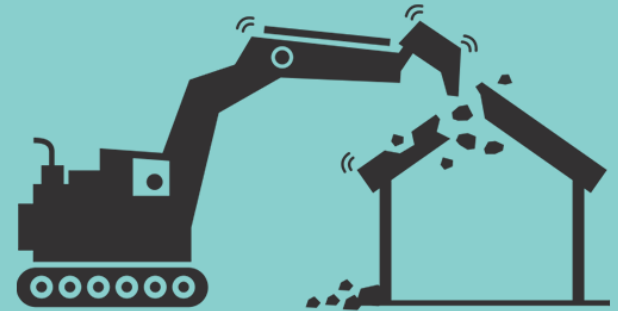




Take



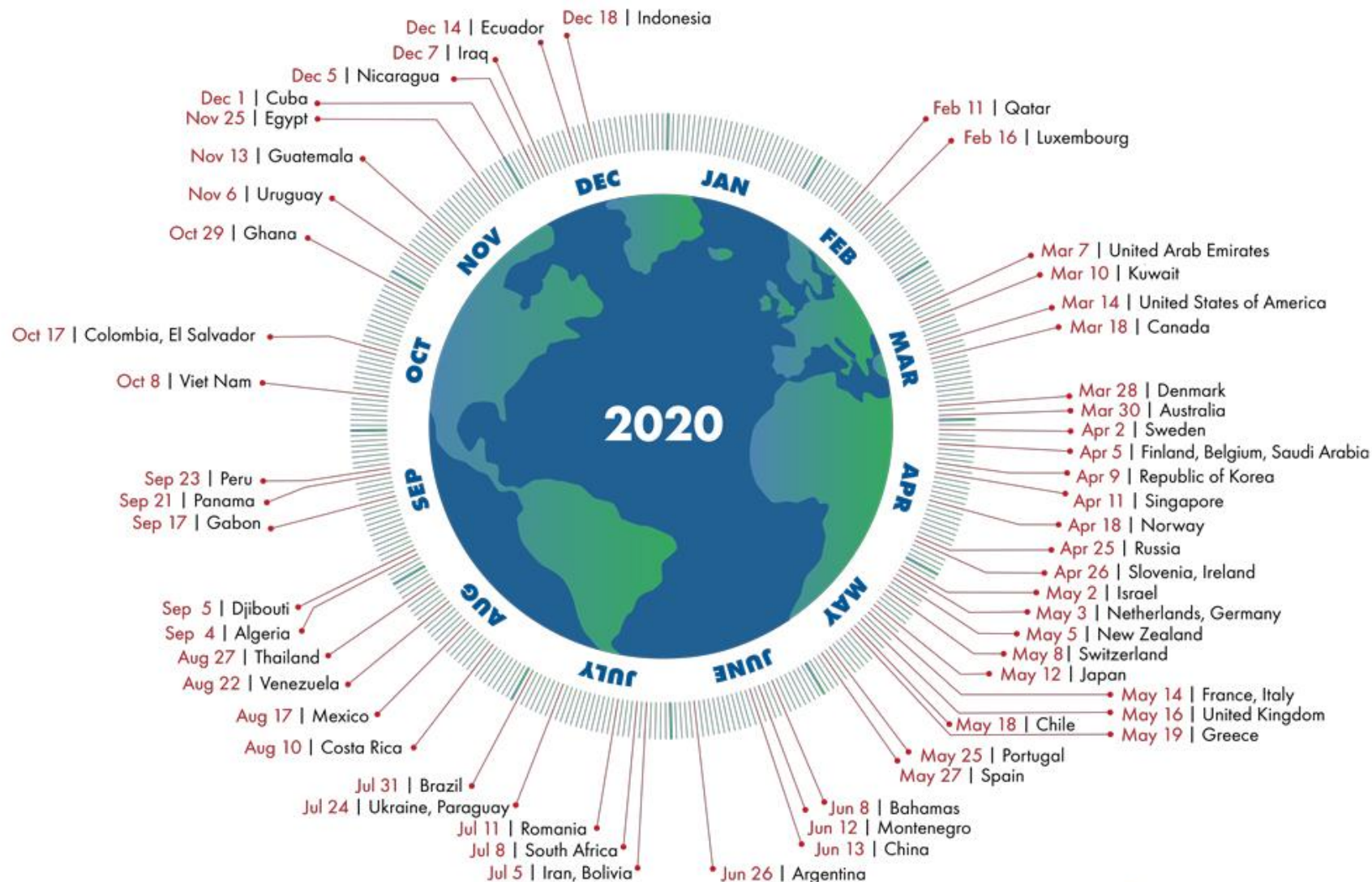
Make



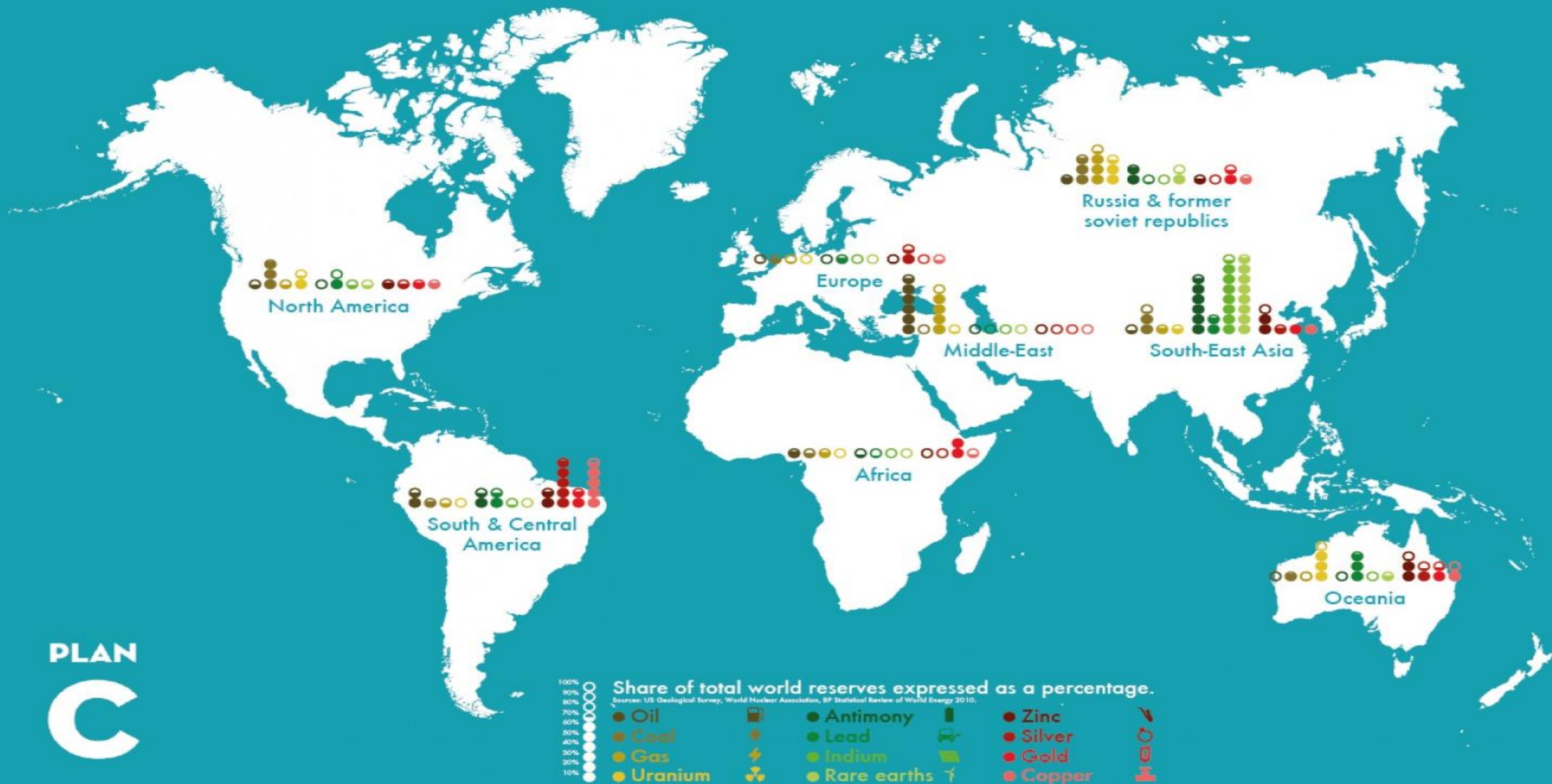
Dispose

Country Overshoot Days 2020

When would Earth Overshoot Day land if the world's population lived like...



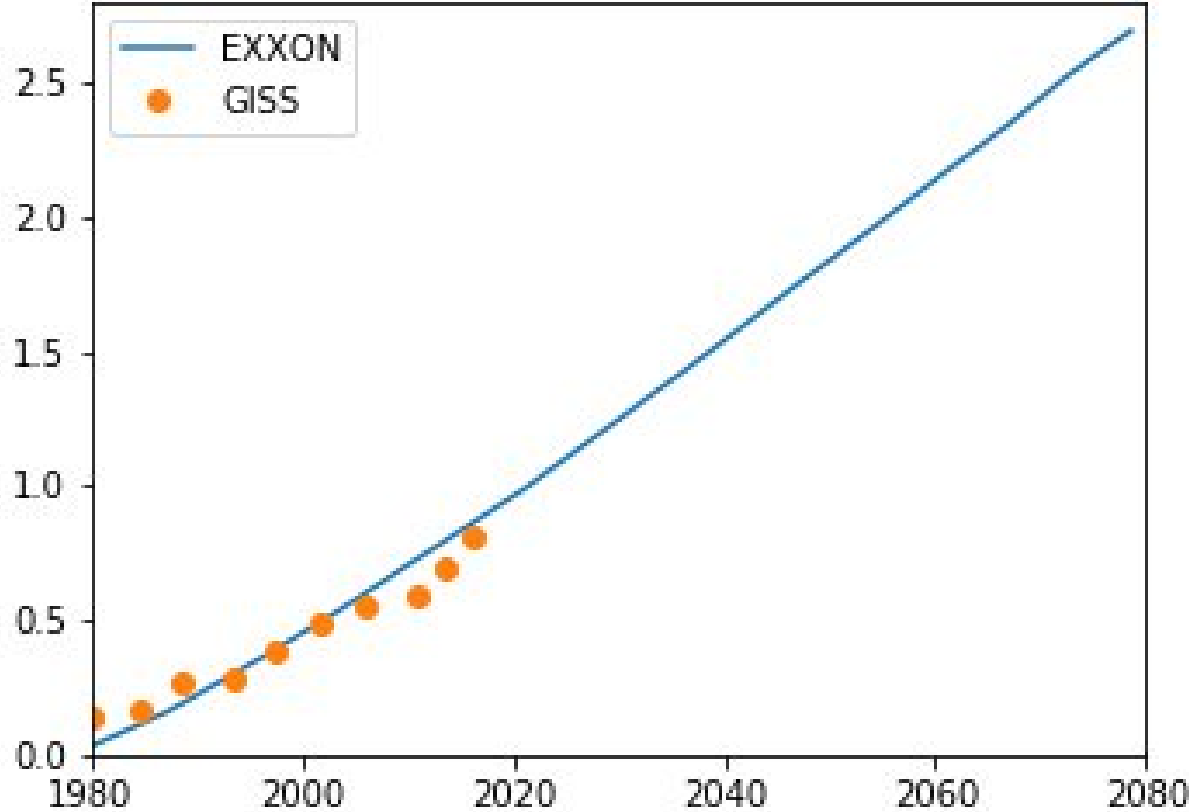
Where to find the leftovers?



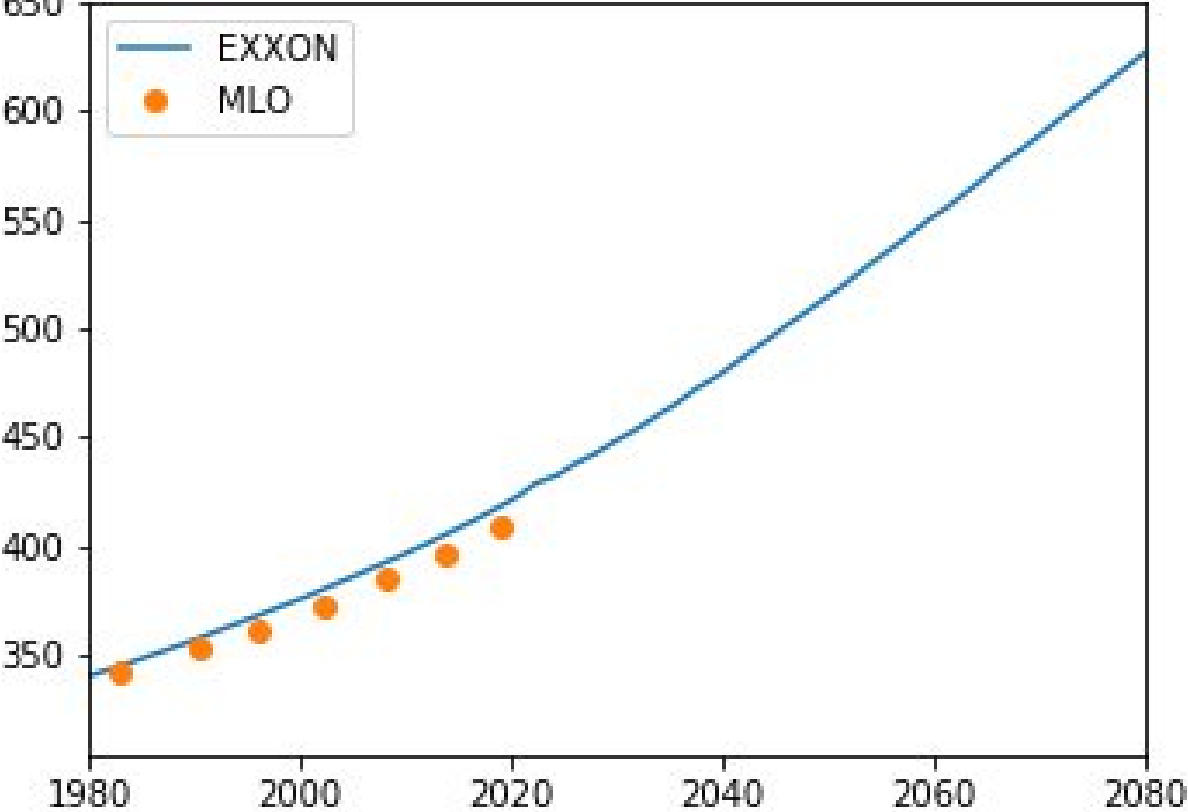




EXXON temperature projection vs. GISTEMP



EXXON CO2 projection vs. NOAA CO2





35%



36%



40%



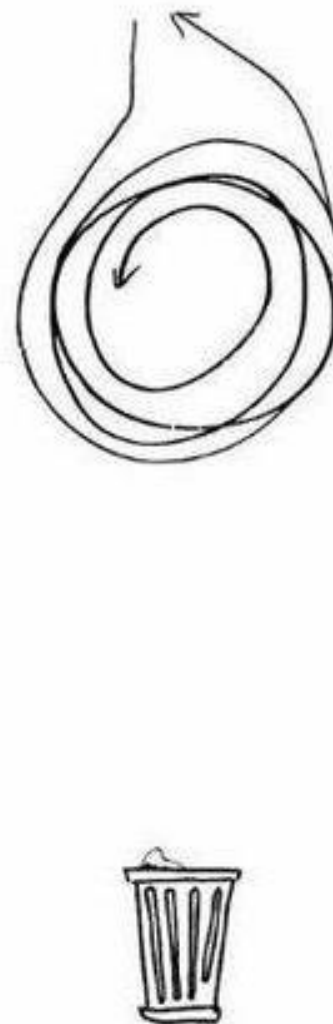
LINEAR ECONOMY

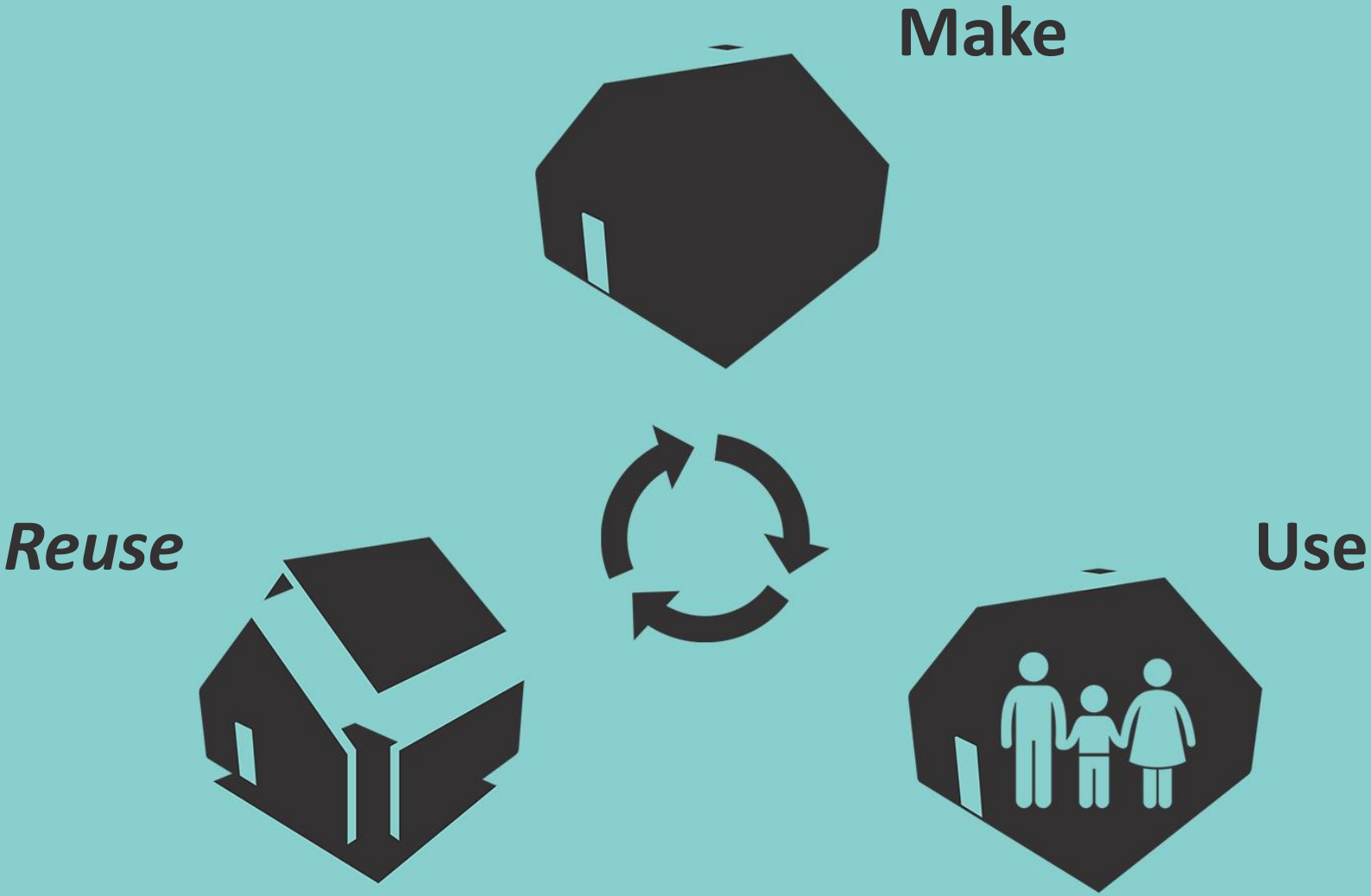


RECYCLING
ECONOMY



CIRCULAR
ECONOMY



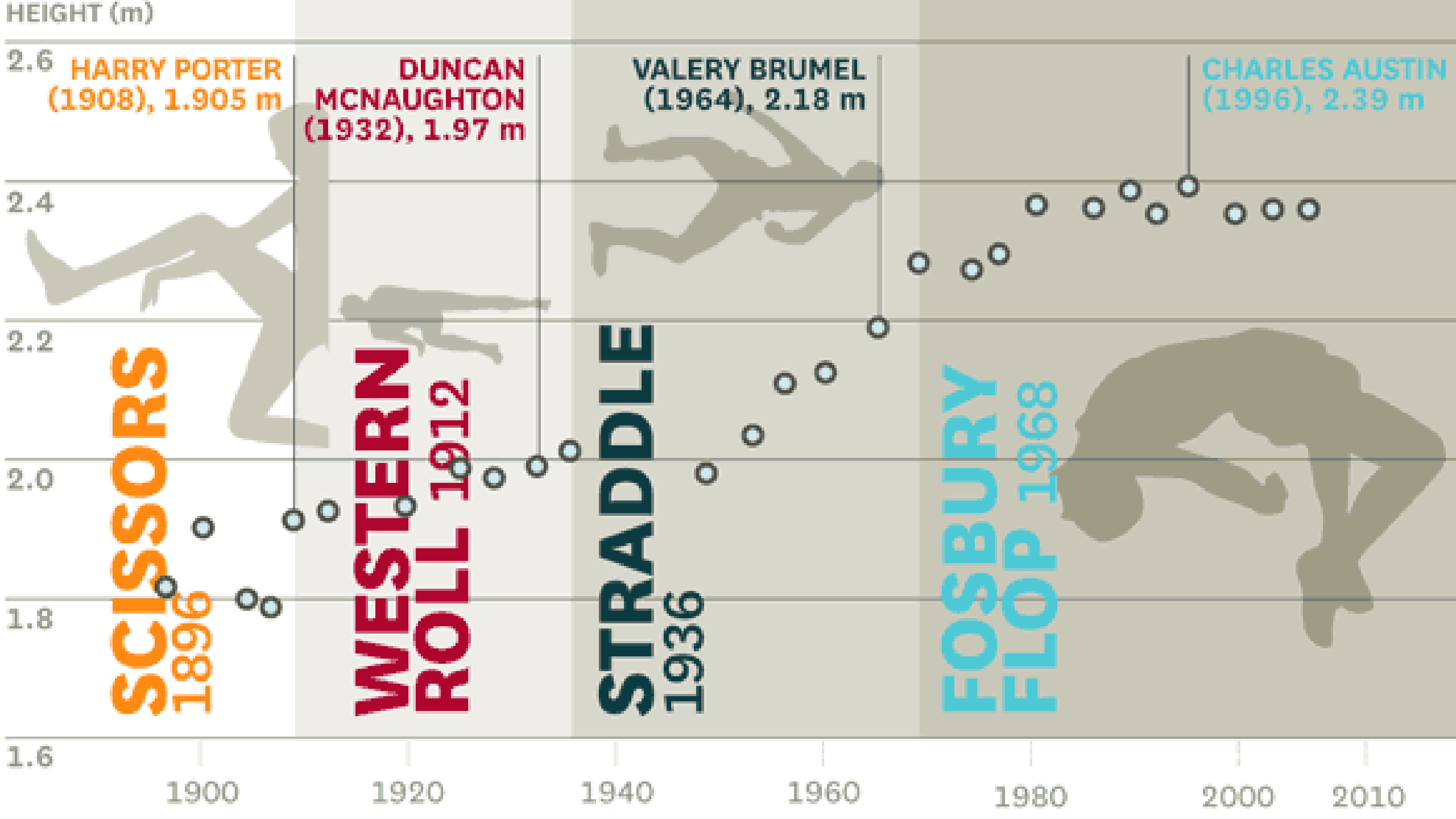


alba
concepts.



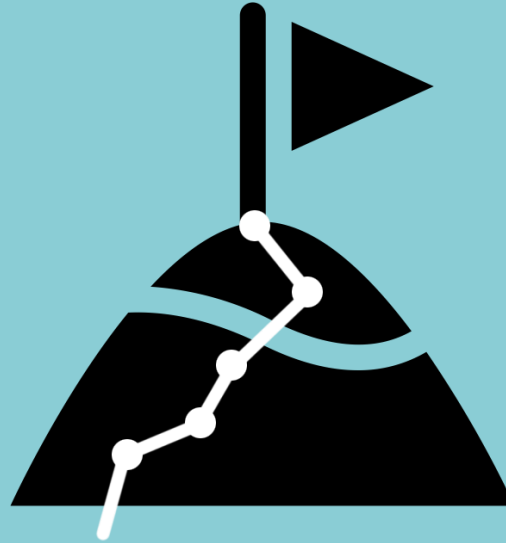
alba
concepts.







Set the goal



Focus on results



Measure & validate

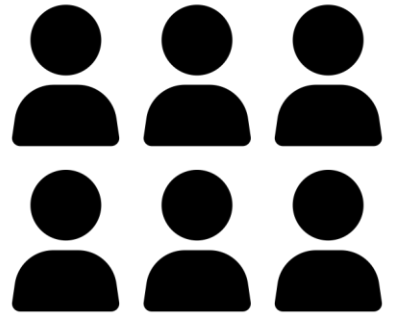


Set the goal





Drivers



alba
concepts.

Image





Finance



Laws and regulations





Environment





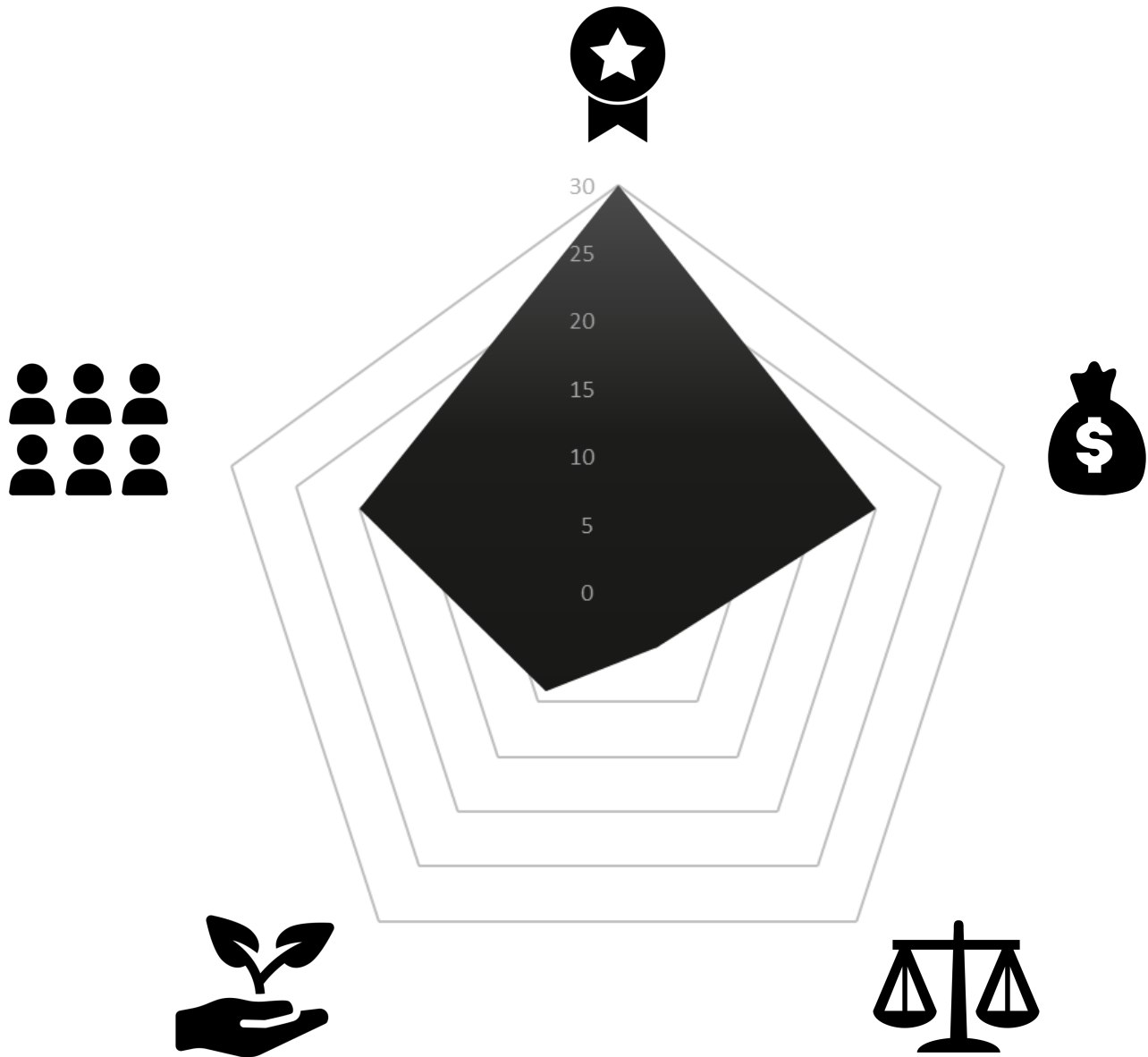
alba
concepts.

People





AMBITION PROFILE

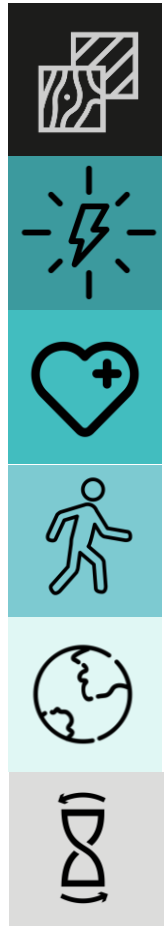


DRIVERS





AMBITION PROFILE Waterschap Zuiderzeeland



THEMES

(Raw) materials

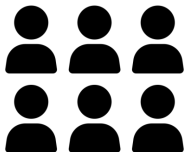
Energy

Well-being

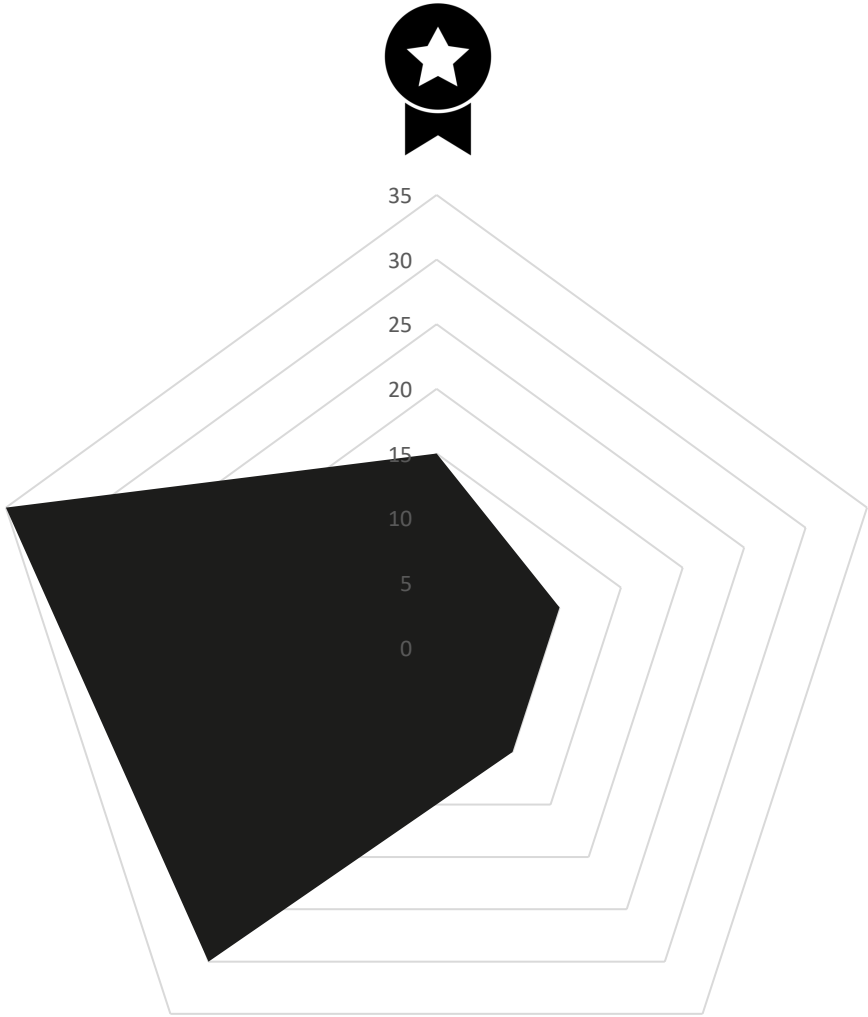
Mobility

Climate

Flexibility

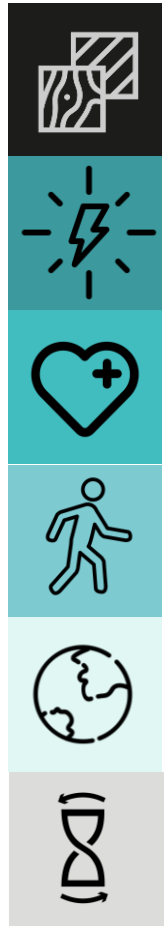


DRIVERS





AMBITION PROFILE The Greenhouse Utrecht



THEMES

(Raw) materials

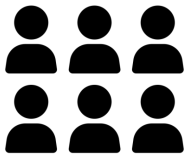
Energy

Well-being

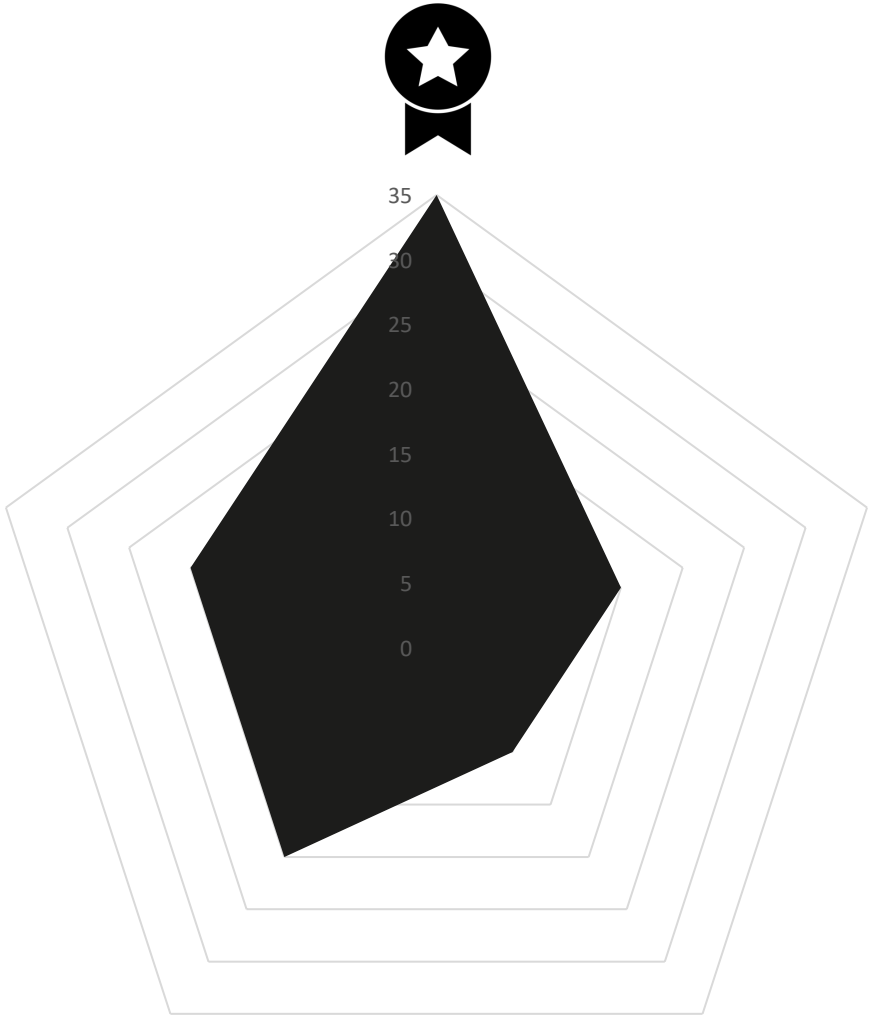
Mobility

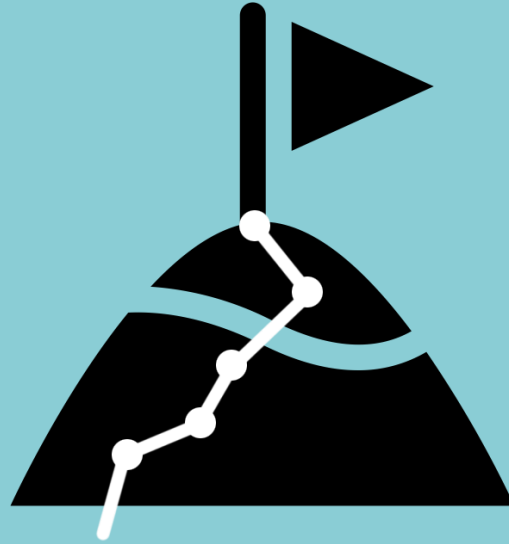
Climate

Flexibility



DRIVERS





Focus on results





Raise the bar



Key Performance Indicators

Circularity matrix			
DRIVERS THEMES	PLANET 	FINANCE 	LAWS AND REGULATIONS 
(RAW) MATERIALS 	1. KPI 2. KPI 3. KPI	1. KPI	1. KPI 2. KPI



Key Performance Indicators

Circularity matrix			
DRIVERS THEMES	PLANET 	FINANCE 	LAWS AND REGULATIONS 
(RAW) MATERIALS 	<i>Incoming materials</i> <i>Outgoing materials</i>	<i>Residual value</i> <i>Alternative revenue models</i>	<i>Environmental Impact</i>

Key performance Indicators depends also on:

1. Layers of Brand
2. Hygiene factors

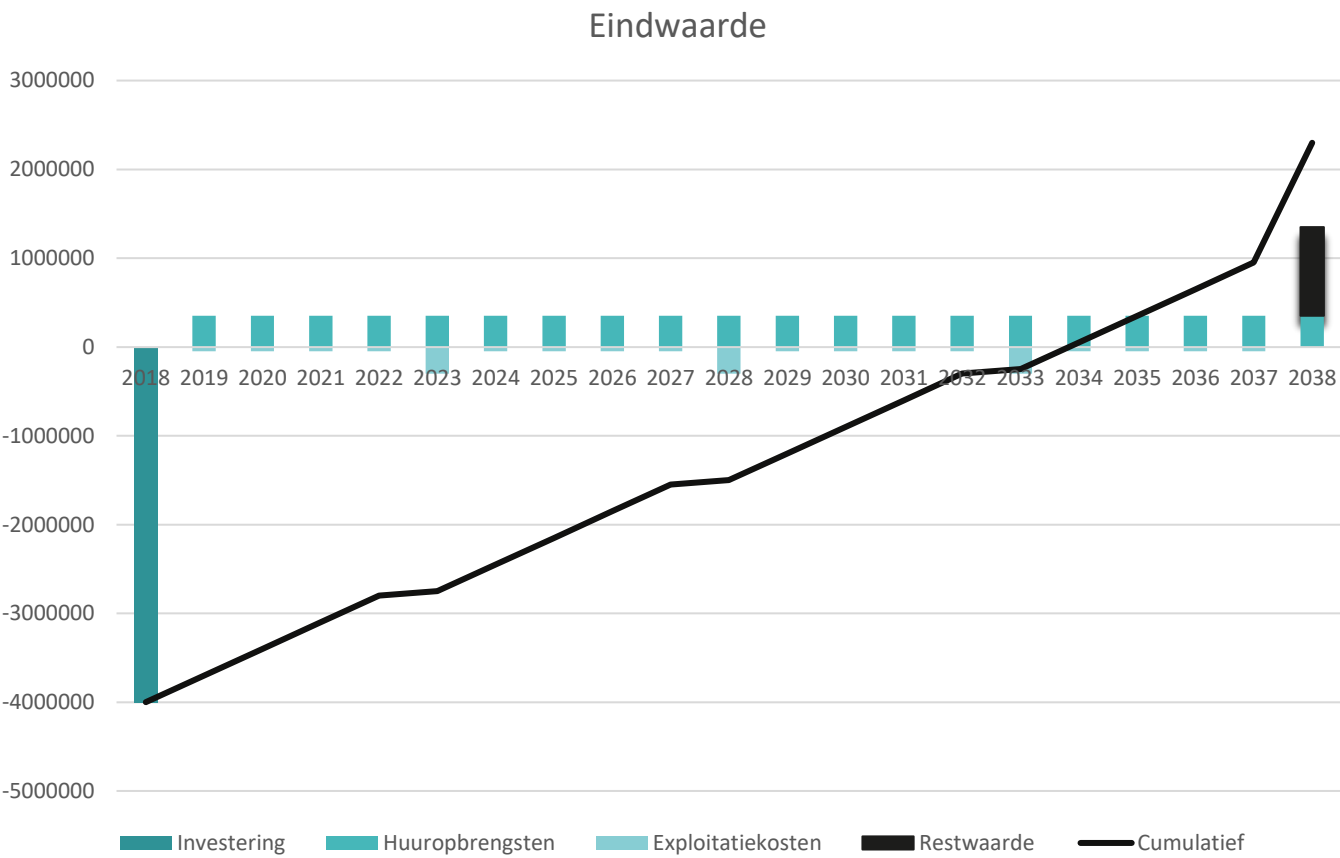


6S model Layers of Brand



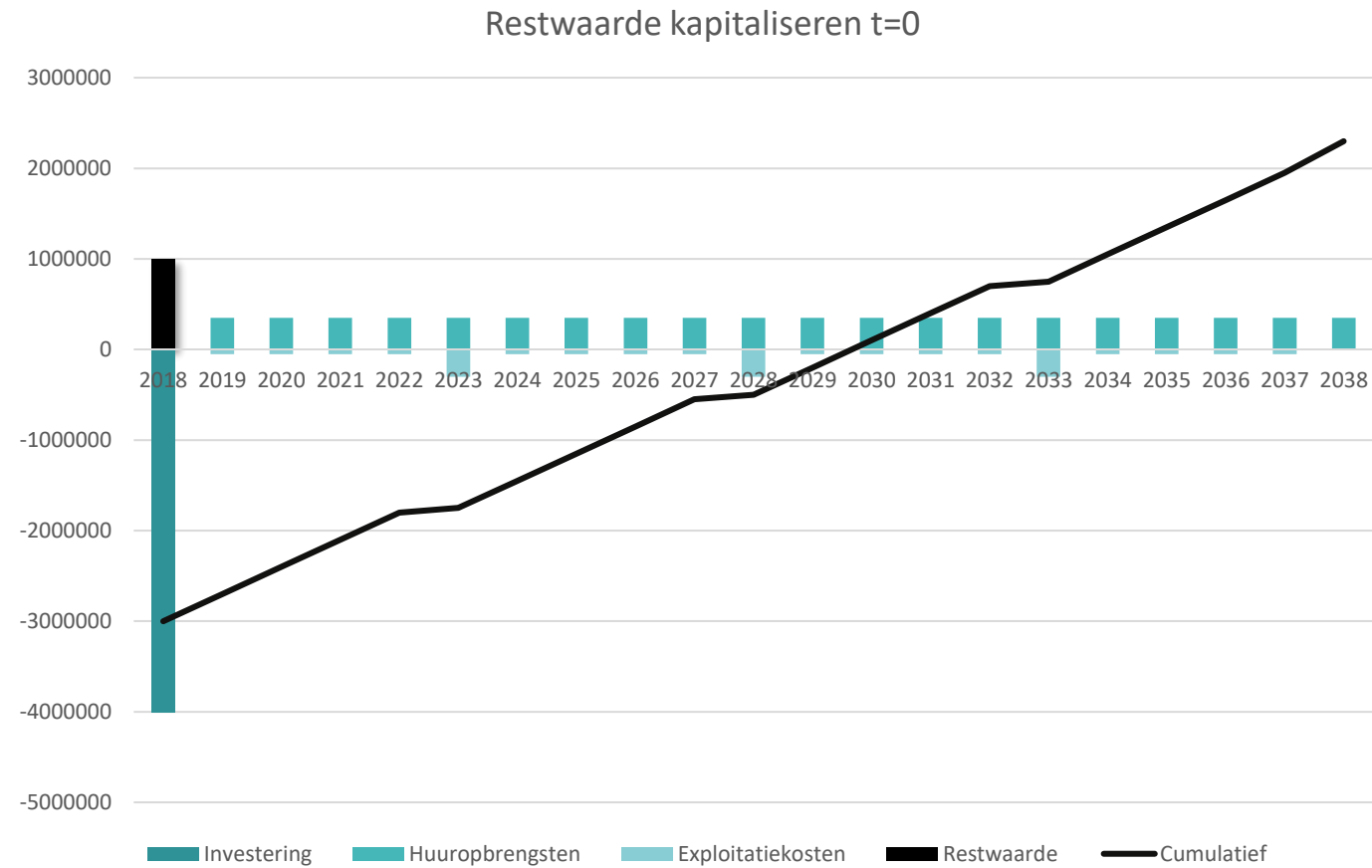


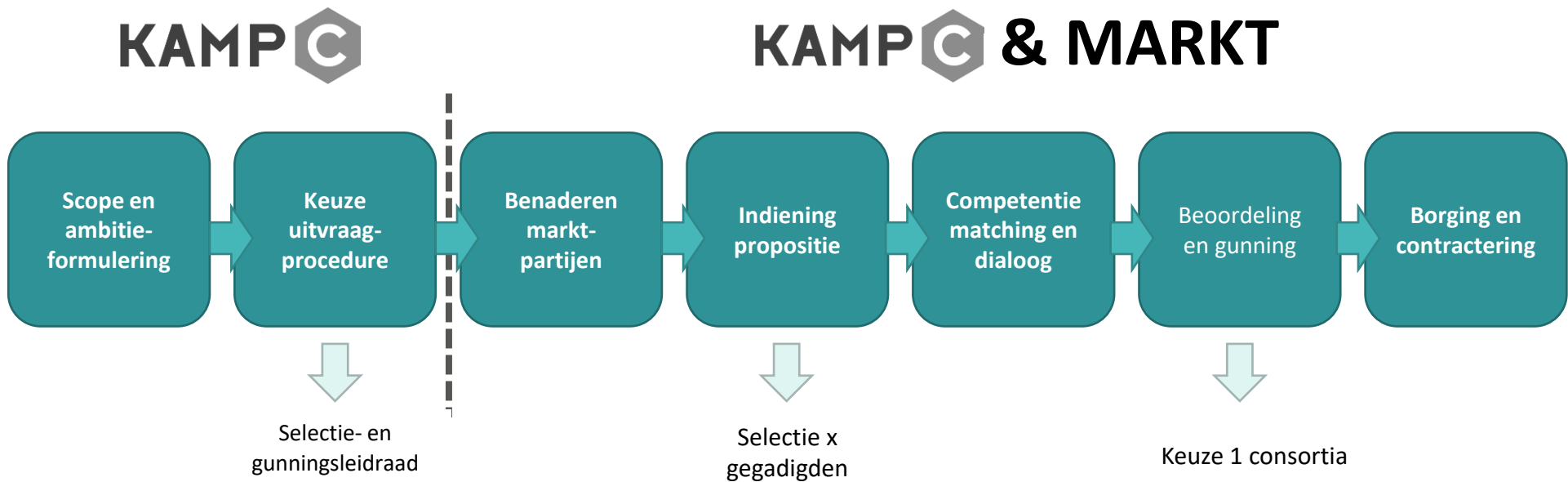
Residual Value



Residual Value

- Het kapitaliseren van eindwaarde naar t=0







Measure & validate



WELL

PV Cells

Fair Trade

FSC

#NO GAS

Energy neutral

Green Building Standard

LEED $\neq$ ABRACADABRA

Parisproof

LCA

Cradle2Cradle

Sustainable Development Goals

ZEN

People Planet Profit

Carbon neutral

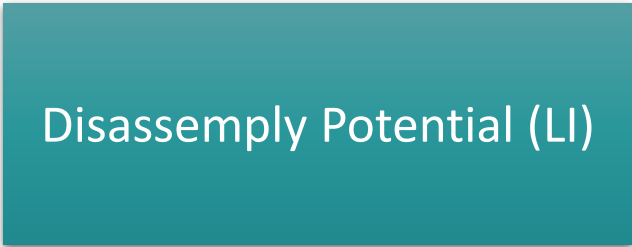
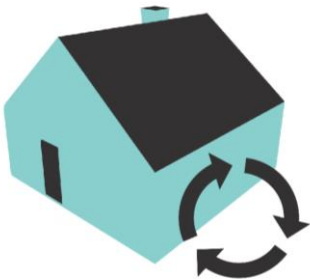


Building Circularity Index BCI





Building Circularity Index



Building Circularity Index

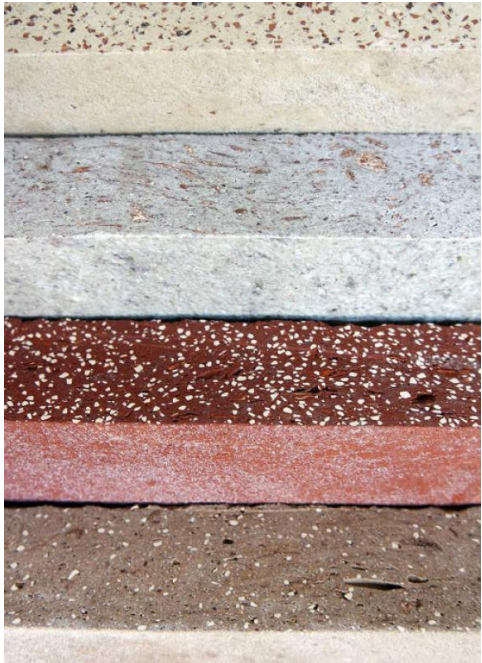
Material Index (MI)

Disassembly Potential (LI)





Origin of materials



Prospect of materials





Building Circularity Index

Material Index (MI)

Disassembly Potential (LI)



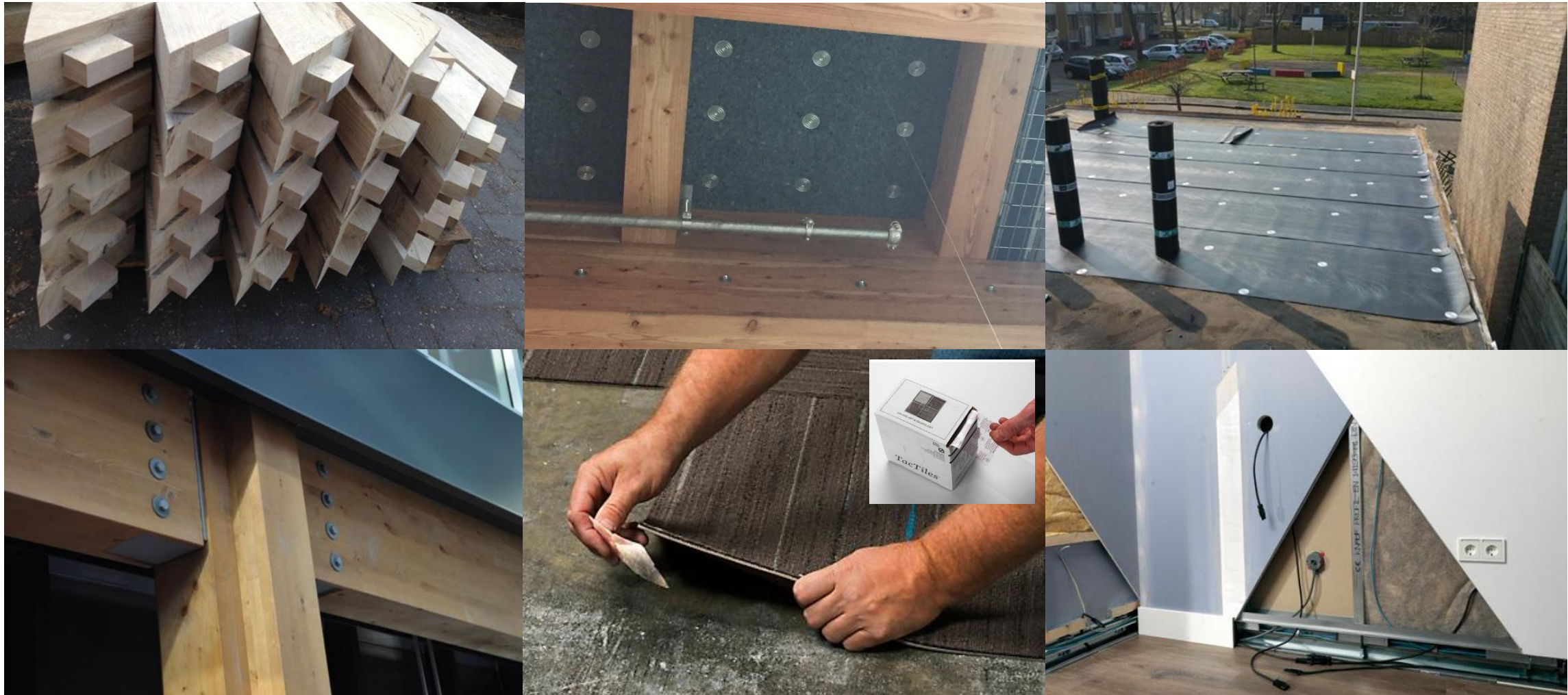


Disassembly





Disassembly

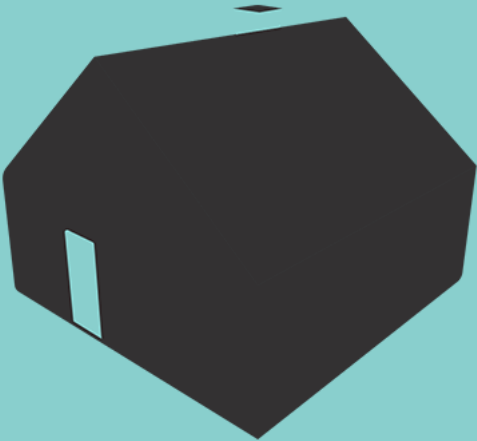




MI (%)
LI (%)



MI (%)
LI (%)



MI (%)
LI (%)



MI (%)
LI (%)



MI (%)
LI (%)



Building Circularity Index



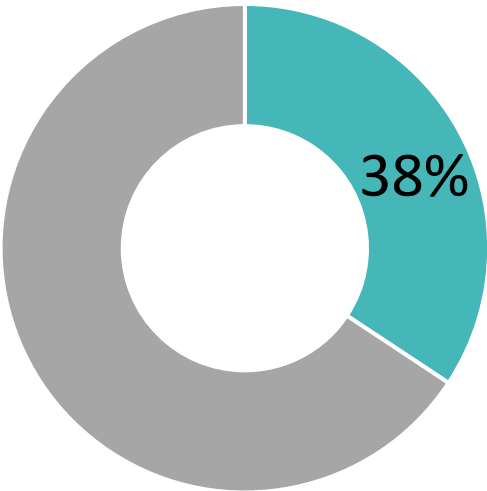
Material Index (MI)

Disassembly Potential (LI)



Omschrijving	Hoeveelheid	Dimensie	MKI	MCI	LI	PCI
eps platen	2,73		54	0,12	0,18	0,15
beton, schroefpaal, 0% granulaat; rond 300 mm	21,07	M1	46	0,55	0,1	0,23
gipskartonplaat	23,44	m2	63	0,12	0,85	0,32
steenwol platen	10,1	m2	54	0,48	0,9	0,66
vuren profielen; db	140,64	m2	23,91	0,57	0,85	0,7
baksteenmetselwerk; 150x70x30	30,77	m2	81,23	0,37	0,4	0,38
cellenbetonblokken	21,36	m2	90,4	0,51	0,4	0,45
kalkzandsteen; massieve elementen	51,37	m2	191,1	0,47	0,4	0,43
beton; gewapend	28,82	m2	173,5	0,55	0,18	0,31
ribbenvloer / ribcassette vloer; incl. isolatie	47	m2	216,67	0,54	0,18	0,31
Kanaalplaatvloer incl druklaag (dikte 200 mm)	88	m2	43,65	0,38	0,18	0,26
meranti steektrap; dichte trap; db	1	STK	18,95	0,53	0,65	0,59
dak elementen, houten ribben, steenwol, spaanplaat; db	74	m2	317,46	0,55	0,63	0,59
dakpan, keramisch; 75 mm overlap	74,31	m2	198,41	0,51	0,9	0,68
pvc op staalkern (80x112), 0% secundair	8,04	m2	41,25	0,76	0,75	0,75
hr++ (dubbel) glas; coating / gasvulling (argon) , 4/16/4 mm	16,23	m2	335,31	0,55	0,7	0,62

Building Circularity Index





Headquarters Water Authority Zuiderzeelanc

Circular procurement



Overview of BCI Projects



> 35
projecten



Van Wijnen - *Fijn Wonen*
BCI Score: 72%



Hogeschool Windesheim -
Renovatie Gebouw B + C
BCI Score: 50%



R-Creators – *The Green house*
BCI Score: 76%



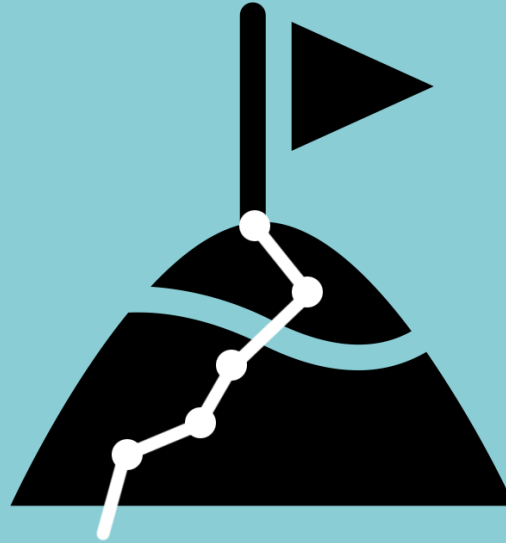
Janssen de Jong - *Levels*
BCI Score: 29% - 32%



TBI - *HOUTbaar*
BCI Score: 63% - 67%



Ambition profile



Performance requirements



Building Circularity Index

alba
concepts.





Relevance



BREEAM[®] NL



Netherlands Enterprise Agency



