



How to use this presentation

Working on the **Ecodesign Circle project** we realized that nearly everyone wants a compelling story,

... about why we have to design our economy differently,

.... how to implement ideas and most important

... what benefits beyond "doing good" circular design provides.

Hence we put together this slide deck that shall help you understand the importance of design in the circular economy and convey the story to potential beneficiaries. It's organized in chapters, so feel free to skip pages. In the end, you also find blank pages to add slides to your need.

Should you use the **logos**? We believe yes! We are establishing a strong network of Circular Design practitioners and would love for you to join us on that important cause! On the next pages you can **place your own logo**!





WELCOME



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What is the first thing that comes to your mind, when you think of the word...

CIRCULAR ECONOMY?





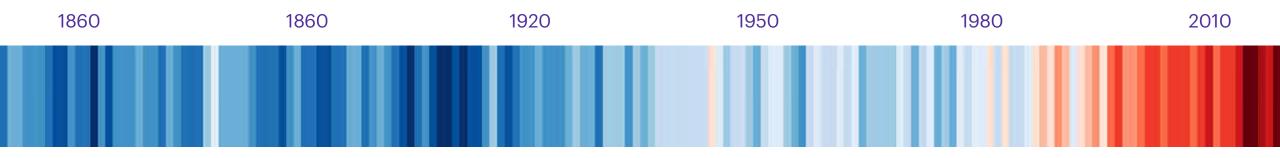
Why we need to

TALK!



We should not only be worried about

TEMPERATURE



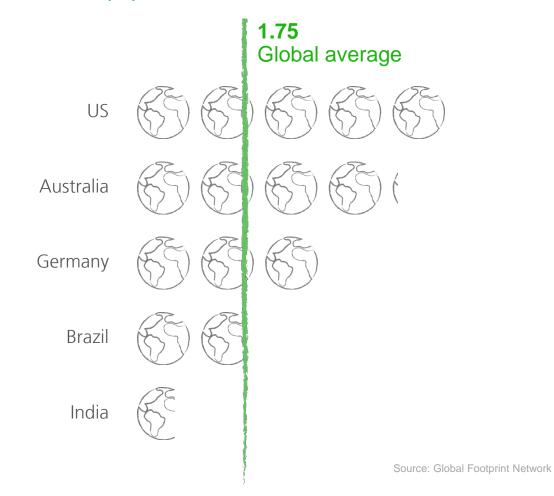




We are using too much

OF EVERYTHING

Number of planets we'd need if world's population were to live like...





REGULATORS

...are setting new goals and restrictions







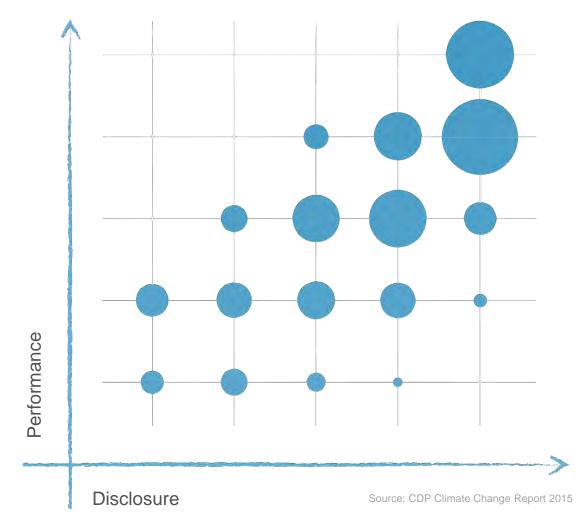
Source: UNEP 2018, p. 24



INVESTORS

...are demanding transparency

Correlation between disclosure and performance





A DISRUPTIVE STORM

...is forming for companies across all sectors

Customers demand digital and sustainable products and services

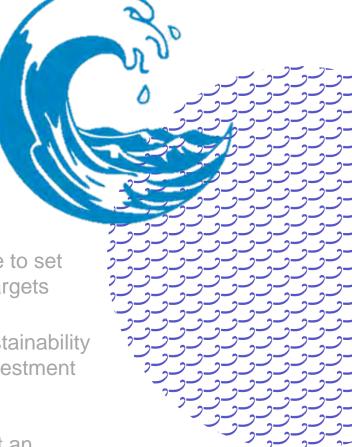
Regulators are putting in place stricter regulation that mandate sustainable principles and practices

Talent expect more from employers, and want to work for companies that share their values

CEOs are feeling the pressure to set and commit to sustainability targets

Investors are considering sustainability metrics as key part of their investment decisions

New competition emerges at an increasing pace enabled by rapidly evolving technology

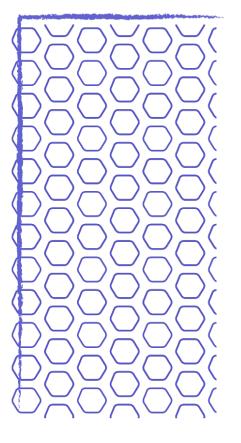




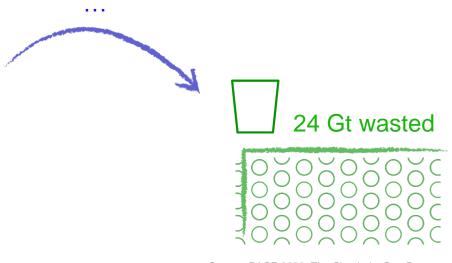
And the potential is

HUGE









Source: PACE 2020, The Circularity Gap Report, pp. 18



From Linear ... to

CIRCULAR



THE LINEAR ECONOMY

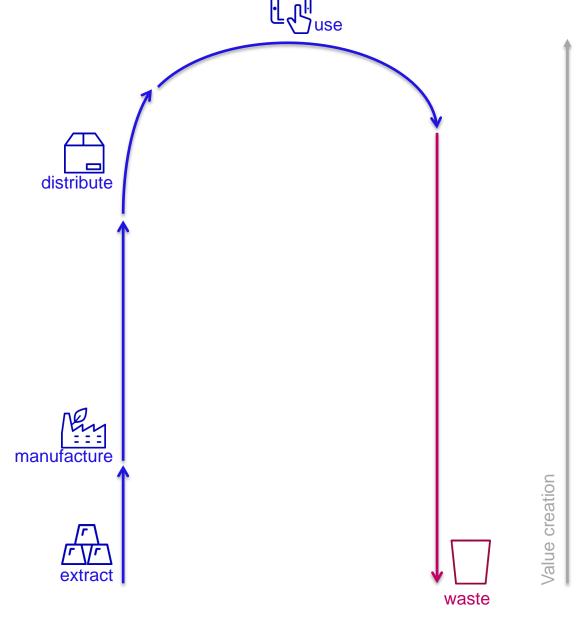
is a one way street





And the linear economy is

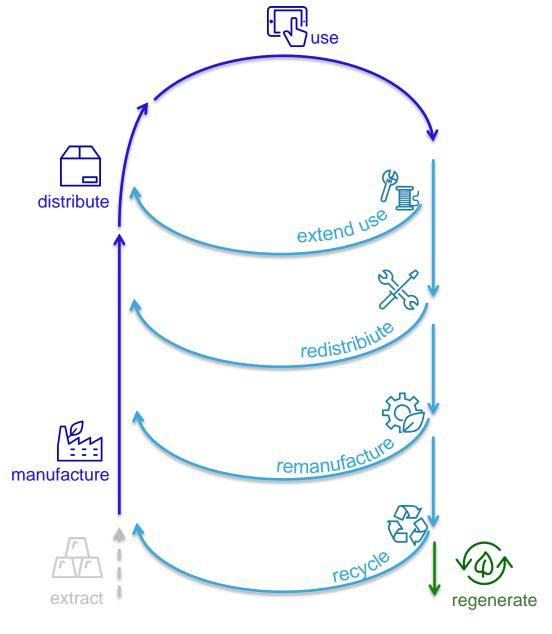
WASTING VALUE!





IN THE CIRCULAR ECONOMY

products, components and materials are kept at their highest potential.

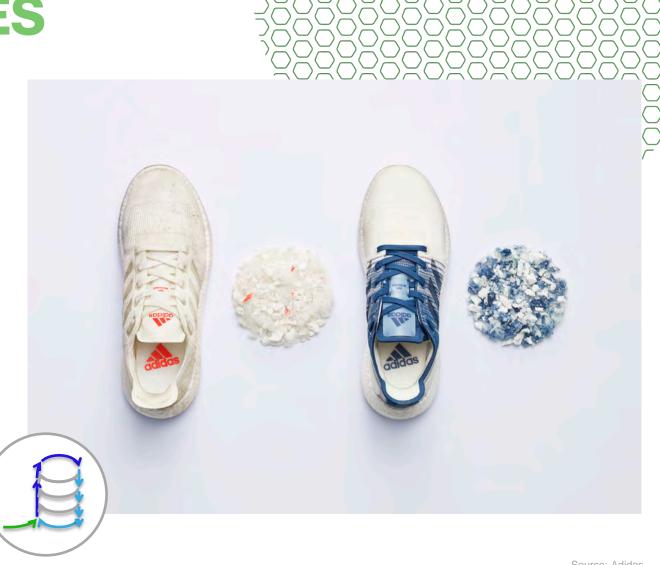




ADIDAS MADE SHOES

...FROM SHOES

A first generation of a 100% recyclable shoe was designed, and used as source material for the second generation.





APPLE WANTS THEIR IPHONES BACK!

Apple's Daisy robot disassembles iPhones and retrieves high value components that would be lost in traditional recycling.





YOUR MUD JEANS WILL **GET BETTER OVER TIME**

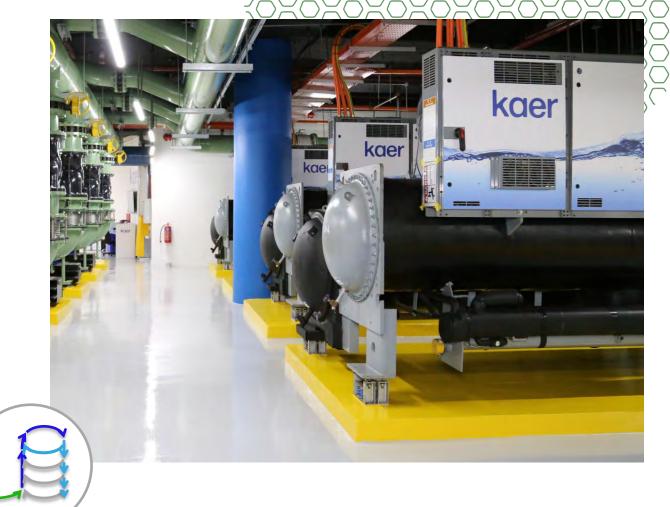
Jeans can be leased, and returned to be repaired or resold as vintage items.





KAER SELLS COOL AIR, NOT MACHINES

Customers pay for air condition as a service, the company takes care of design, installation and maintenance.





www.ellenmacarthurfoundation.org/case-studies/air-conditioning-as-a-service-reduces-building-carbon-emissions



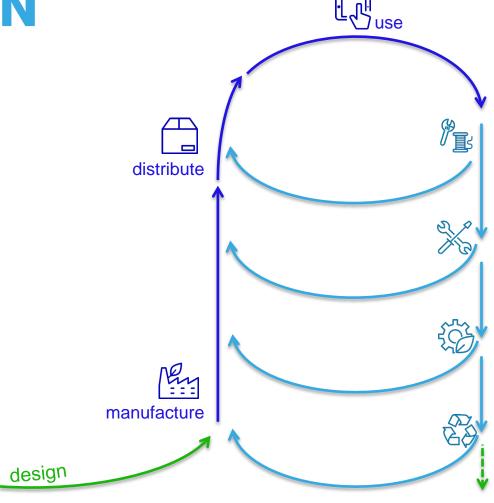
So why circular

Design?



80 % of a products footprint are determined

DURING THE DESIGN PHASE





Closing the loops is a

DESIGN DECISION

non upgradable un maintainable reparable in compatible non dismountable un recyclable

and it can't be retrofitted



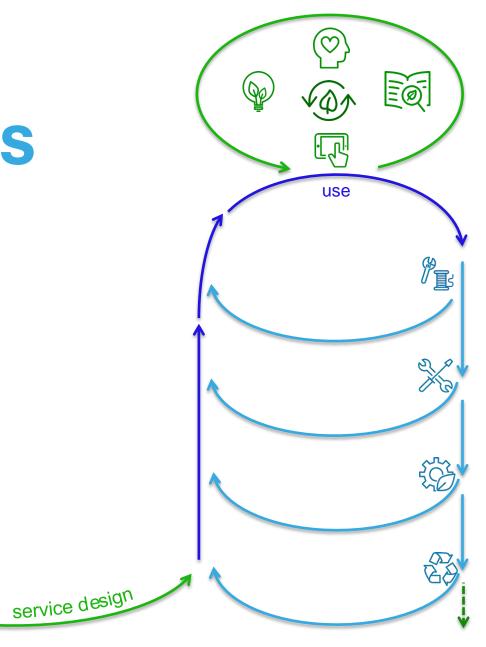
And why circular

Serivces?



Service design creates

USER INTERACTIONS



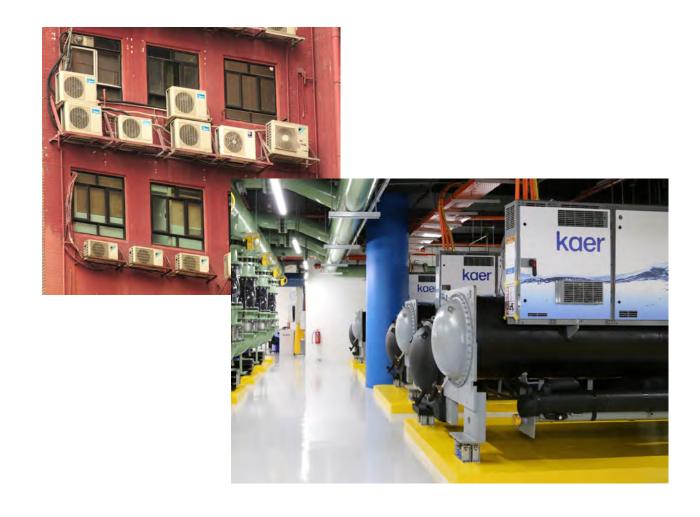
e.g.
Performance as a service
Product as a service
Sharing
Upgrades and information



Services allow for

A WHOLE NEW DIMENSION OF

SUFFICIENCY EFFICIENCY CONSISTENCY

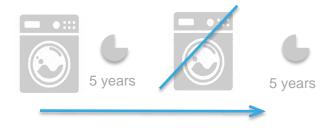




Use resources efficently

EFFECTIVLY





CONSISTENCY









EFFICENCY

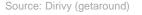
©: Ronja Scholz, Fraunhofer IZM



DRIVY > PRIVATE CARSHARING (P2P)

A service provider organizes private (peer to peer) car sharing. Adapting the services to the users needs of security and reliability, they build their business on using resources effectively and reducing the need for owned cars.



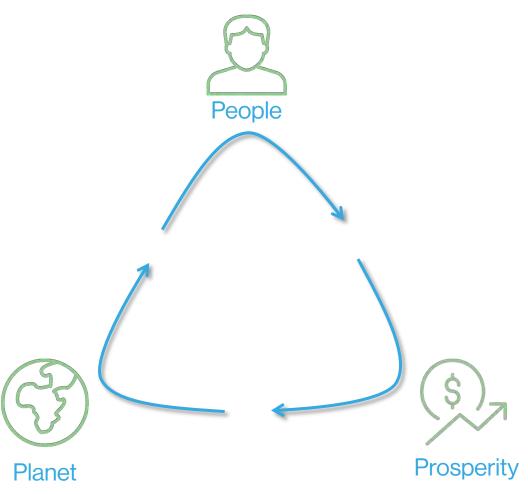




We have the

OPPORTUNITY

to design experiences that are intentionally regenerative and restorative, propagating value for all actants within an ecosystem



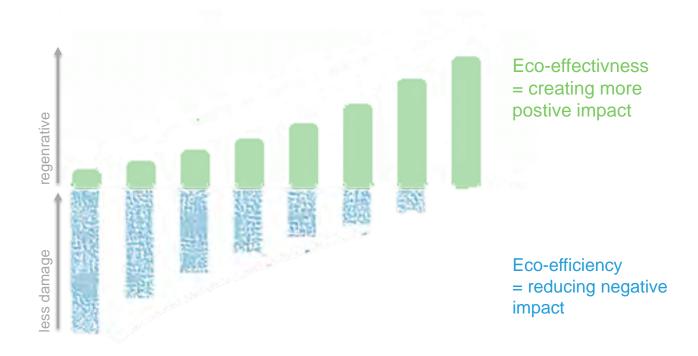


Opportunities to do good

REGENERATIVE SYSTEMS

'Being less bad is **not** being more good'

Michael Braungart & William McDonough. Cradle to cradle





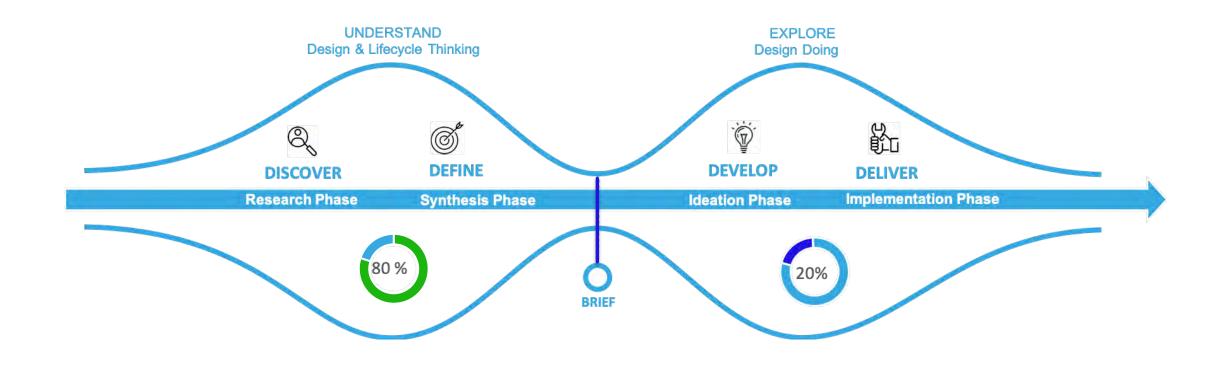
How to

design cicular



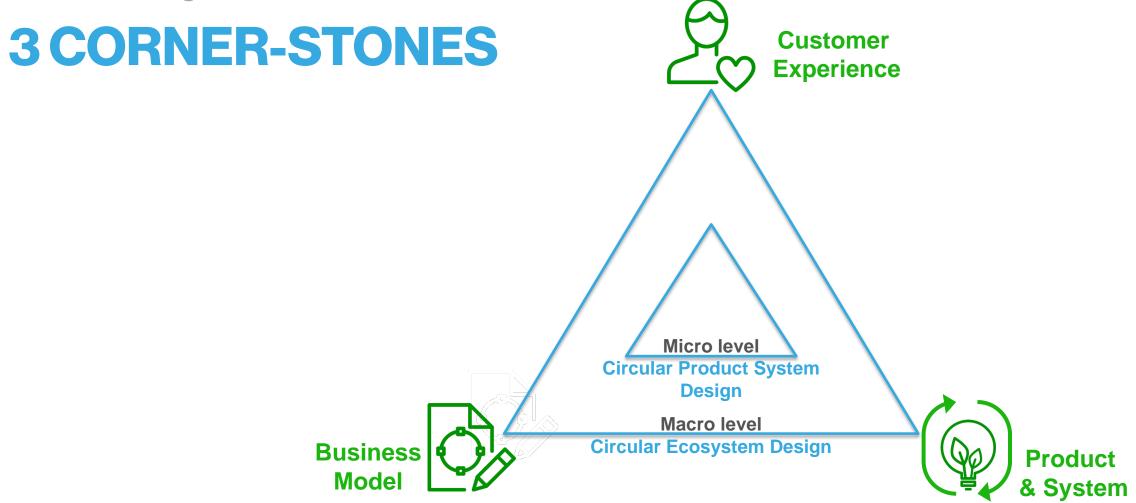
The circular

DESIGN PROCESS





Circular Design

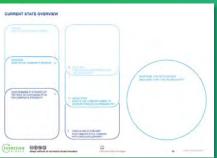


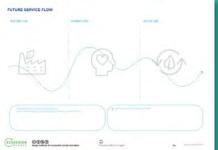


A variety of

TOOLS AND METHODS ...

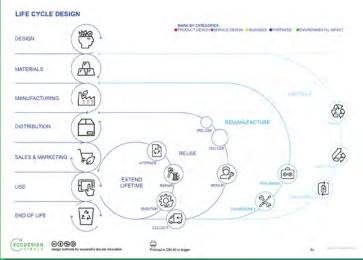


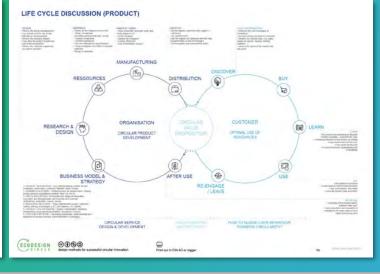


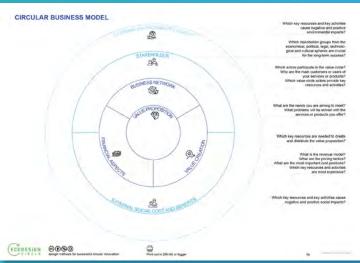






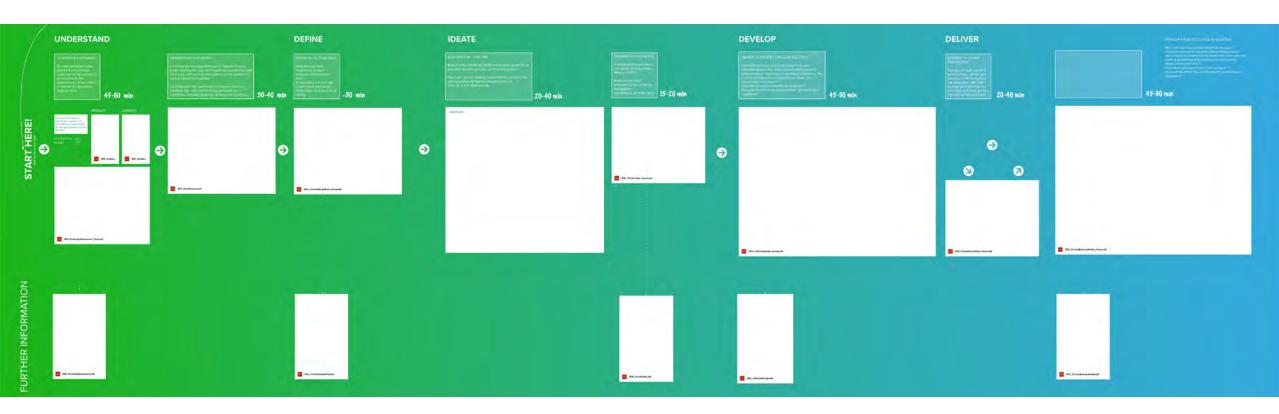






Hand-picked for

INDIVIDUAL WORKSHOPS



Examplary Muralboard for a customized virtual innovation workshop



And that's why we should

GET STARTED!



Intrigued? More questions?

Let's have a chat! Ronja Scholz ronja.scholz@izm.fraunhofer.de



Empty pages?

For your adaptation



NEUE HAAS / ARIAL 40 PT

Arial 24 pt



WELCOME

