



CIRCULAR CHANGE

THE BEST ENTRY POINT FOR YOUR CIRCULAR ECONOMY JOURNEY



„Uau, kakšno
zanimivo mesto
je pa to?!“

Ljubljana, 20. stoletje

“Krožno gospodarstvo na dveh nogah”



ROADMAP
towards the circular economy in
SLOVENIA



BCSSS
BERTALANFFY CENTER FOR THE
STUDY OF SYSTEMS SCIENCE



THE CIRCULARS 2018 LEADERSHIP FINALISTS

ADAM LOWRY
FRANS VAN HOUTEN
LADEJA GODINA
LISA JENNINGS
PROFESSOR ALDO OMETTO
VINCENT BIRUTA

An initiative of
THE FORUM OF
YOUNG GLOBAL LEADERS
SHAPING THE FUTURE

In collaboration with Accenture Strategy
Sponsors: Dell | Ecolab
Media Partners: CNBC | Fortune



Razviti, pametni, krožni



Vsakodnevne odločitve štejejo!



BBC Paul Homewood News Sport Weather iPlayer Sounds

NEWS

Home | UK | World | Business | Politics | Tech | Science | Health | Family & Education

World | Africa | Asia | Australia | Europe | Latin America | Middle East | US & Canada

Amazon fires: Record number burning in Brazil rainforest - space agency

21 August 2019

f WhatsApp Twitter Email Share

Amazon fires

President Bolsonaro accuses NGOs of starting Amazon wildfires

A screenshot of a BBC News article. The top navigation bar includes the BBC logo, the name Paul Homewood, and links for News, Sport, Weather, iPlayer, and Sounds. Below this is a red banner with the word 'NEWS' in white. Underneath the banner are several category links: Home, UK, World, Business, Politics, Tech, Science, Health, and Family & Education. A second row of links includes World, Africa, Asia, Australia, Europe, Latin America (which is underlined), Middle East, and US & Canada. The main headline of the article is 'Amazon fires: Record number burning in Brazil rainforest - space agency'. Below the headline is the date '21 August 2019' and a row of social media sharing icons: Facebook, WhatsApp, Twitter, Email, and a 'Share' icon. A small box labeled 'Amazon fires' is visible below the sharing icons. The main content area features a video player with a play button icon and a thumbnail image of a fire in a forest. Below the video player, a caption reads 'President Bolsonaro accuses NGOs of starting Amazon wildfires'.

Cilji trajnostnega razvoja – SDG's





„Se greš igrat z
mano?“

Radikalno sodelovanje,
21. stoletje

Nimamo Planeta B!



90% of trash floating on the ocean's surface is **plastic**

The textile industry uses **6 trillion L of fresh water** per year

70%+ of textiles are taken to **landfills** and not recycled or reused.



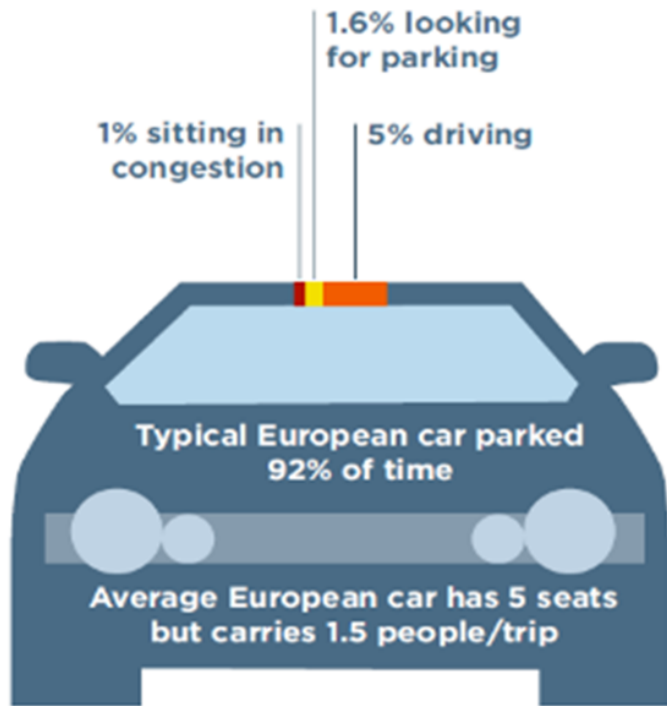
1/3 of food produced is lost or wasted

800M people on this planet suffer from hunger

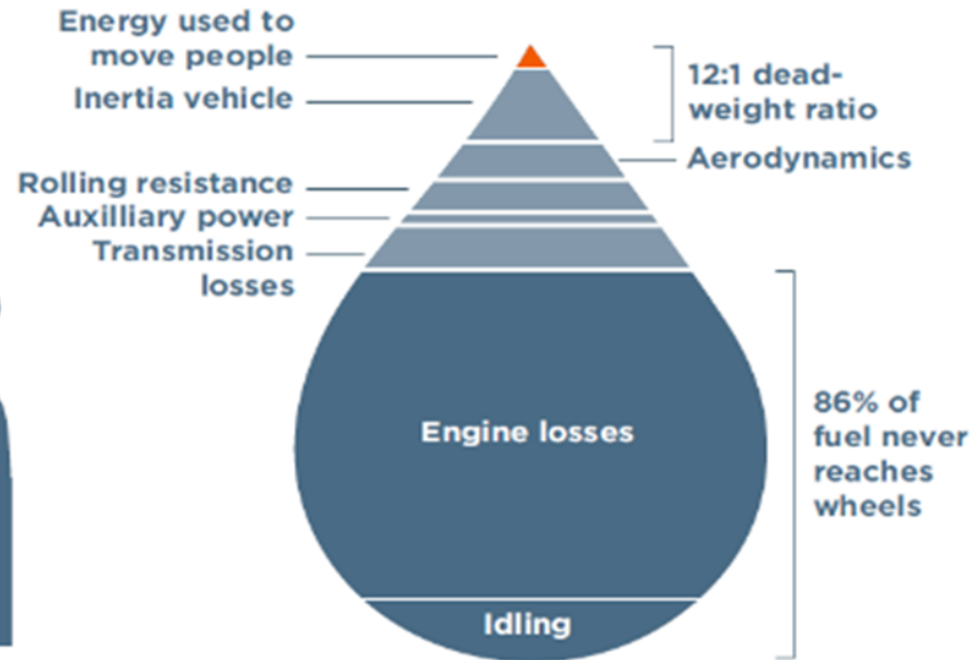
The world has **lost 1/3 of its arable land** in the past 40 years

Se odločamo racionalno?

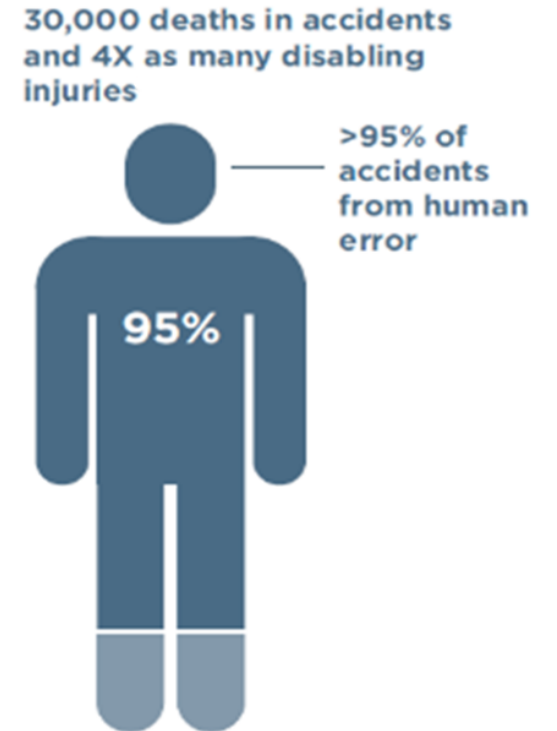
CAR UTILISATION



TANK-TO-WHEEL ENERGY FLOW - PETROL



DEATHS AND INJURIES/ YEAR ON ROAD



LAND UTILISATION:

5%

Road reaches peak throughput only 5% of time and only 10% covered with cars then

50%

50% of most city land dedicated to streets and roads, parking, service stations, driveways, signals, and traffic signs

Krožno gospodarstvo ?!



- Gospodarjenje po načelih ZKP (Zdrava Kmečka Pamet)
- Kaj potrebujemo, kaj želimo – od izdelkov do storitev, od posedovanja do souporabe
- Oblikovanje – vzdrževanje, popravila, nadgradnje, ponovna uporaba ...
- Ohranjanje vrednosti čim dlje – odnos do ljudi, reči, narave, skupnosti

Krožno gospodarstvo – kaj je tu zame?

PRINCIPLE 1

1

Preserve and enhance natural capital by controlling finite stocks and balancing renewable resource flows
 ReSOLVE levers: regenerate, virtualise, exchange



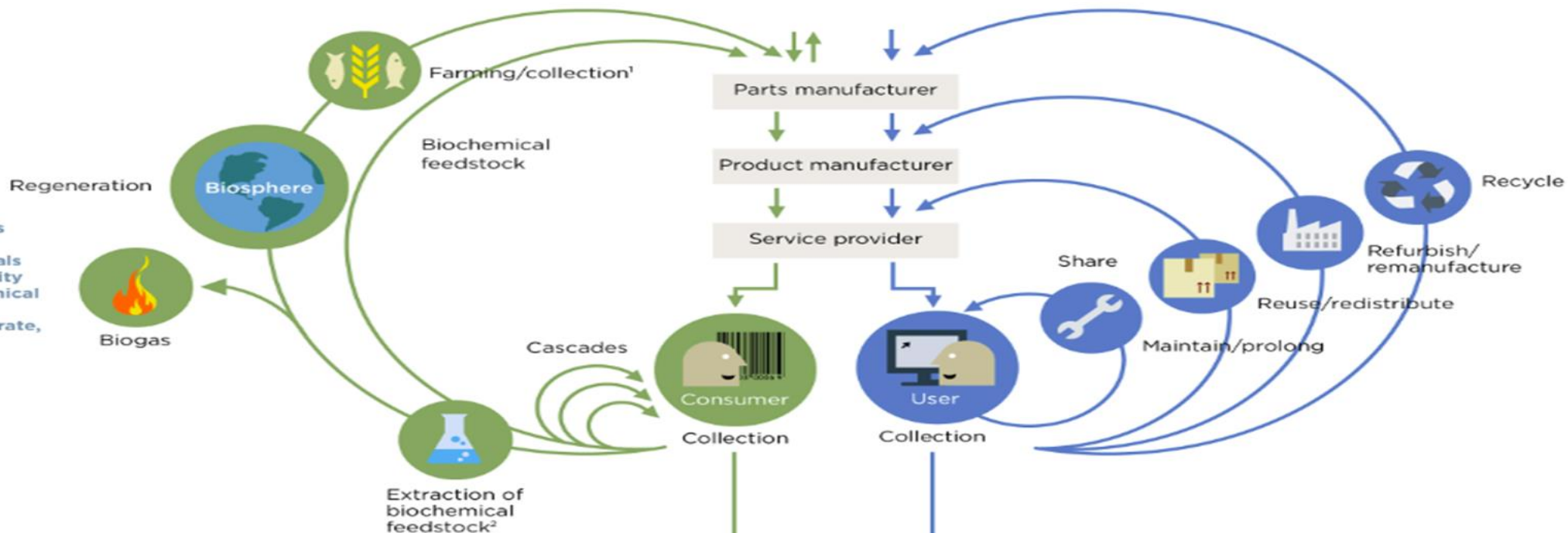
Renewables flow management

Stock management

PRINCIPLE 2

2

Optimise resource yields by circulating products, components and materials in use at the highest utility at all times in both technical and biological cycles
 ReSOLVE levers: regenerate, share, optimise, loop



PRINCIPLE 3

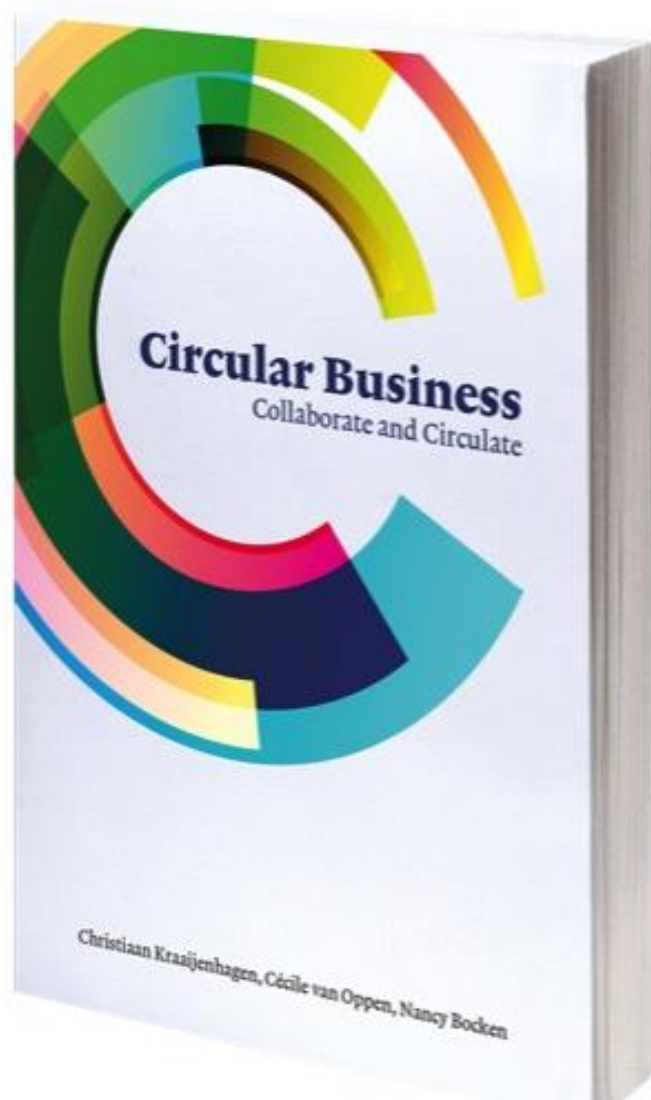
3

Foster system effectiveness by revealing and designing out negative externalities
 All ReSOLVE levers

Minimise systematic leakage and negative externalities

1. Hunting and fishing
 2. Can take both post-harvest and post-consumer waste as an input

NOVI POSLOVNI MODELI



INTERDISCIPLINARNO SODELOVANJE

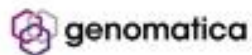


PARTNERS

COORDINATOR:



INTERNATIONAL PARTNER:



Project EFFECTIVE is a multi-company collaboration to produce more sustainable fibers and plastics.



TEXTILES



CONSTRUCTION



AUTOMOTIVE INDUSTRY



PACKAGING AND FOOD INDUSTRY



RETAILERS



AQUACULTURAL INDUSTRY FEEDSTOCK



FEEDSTOCK PRODUCERS



NEW IDEAS

LOGIKA „WIN – WIN – WIN“

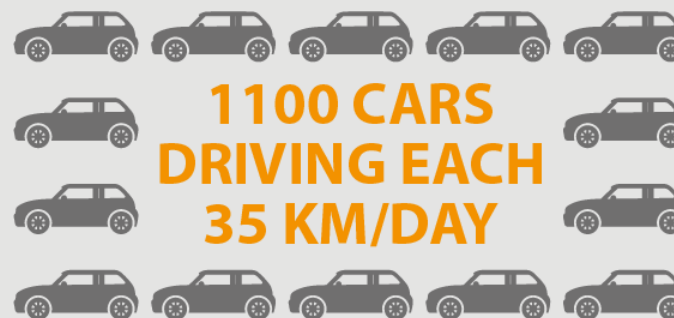


EXCESS OF THERMAL ENERGY
FROM **ECONYL®** REGENERATION
SYSTEM
Ljubljana, Slovenia.

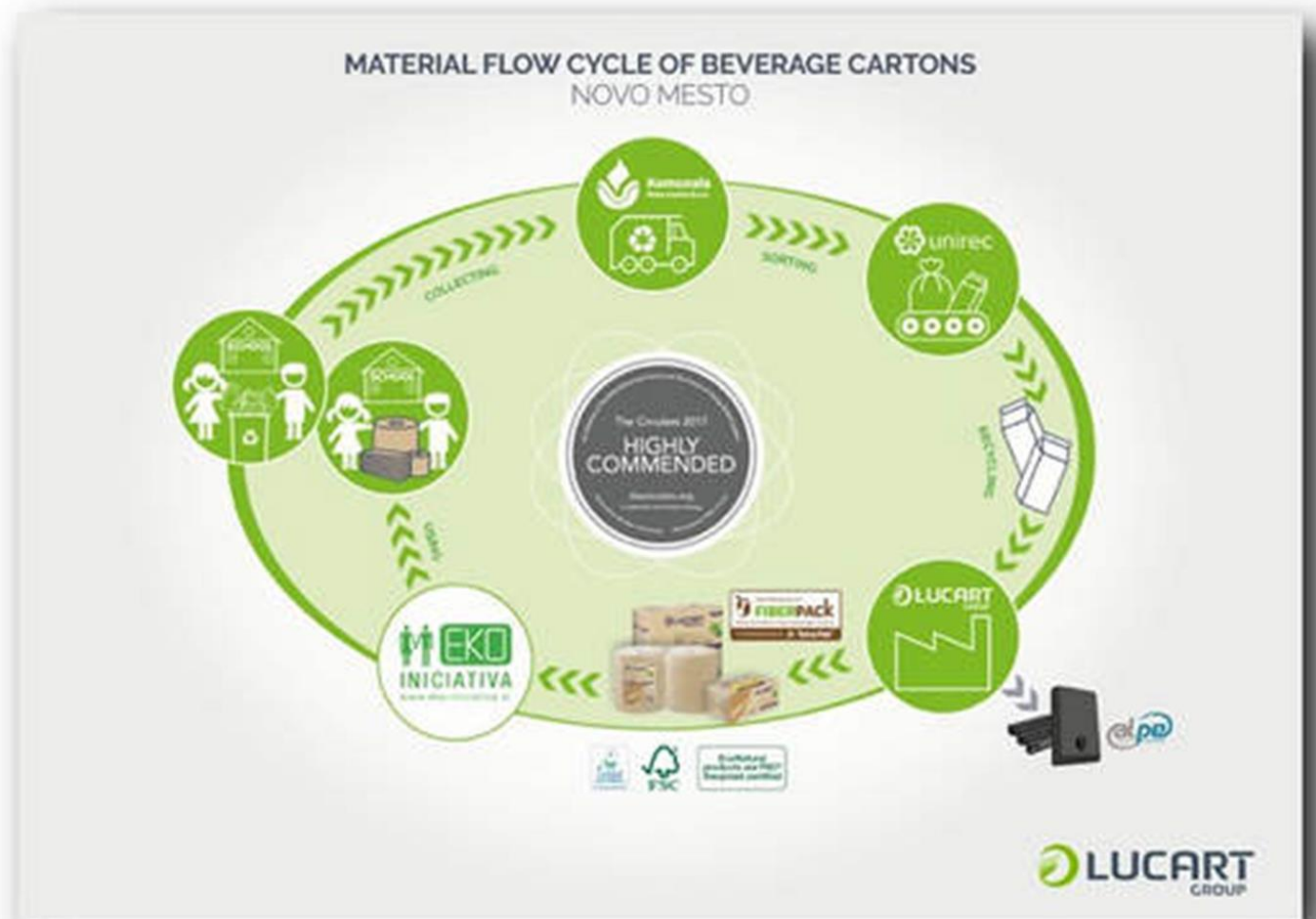

2 M Kg LESS CO₂
EMISSIONS PER YEAR

=

100% OF ATLANTIS
WATERPARK'S
THERMAL ENERGY
REQUIREMENTS
Ljubljana, Slovenia.

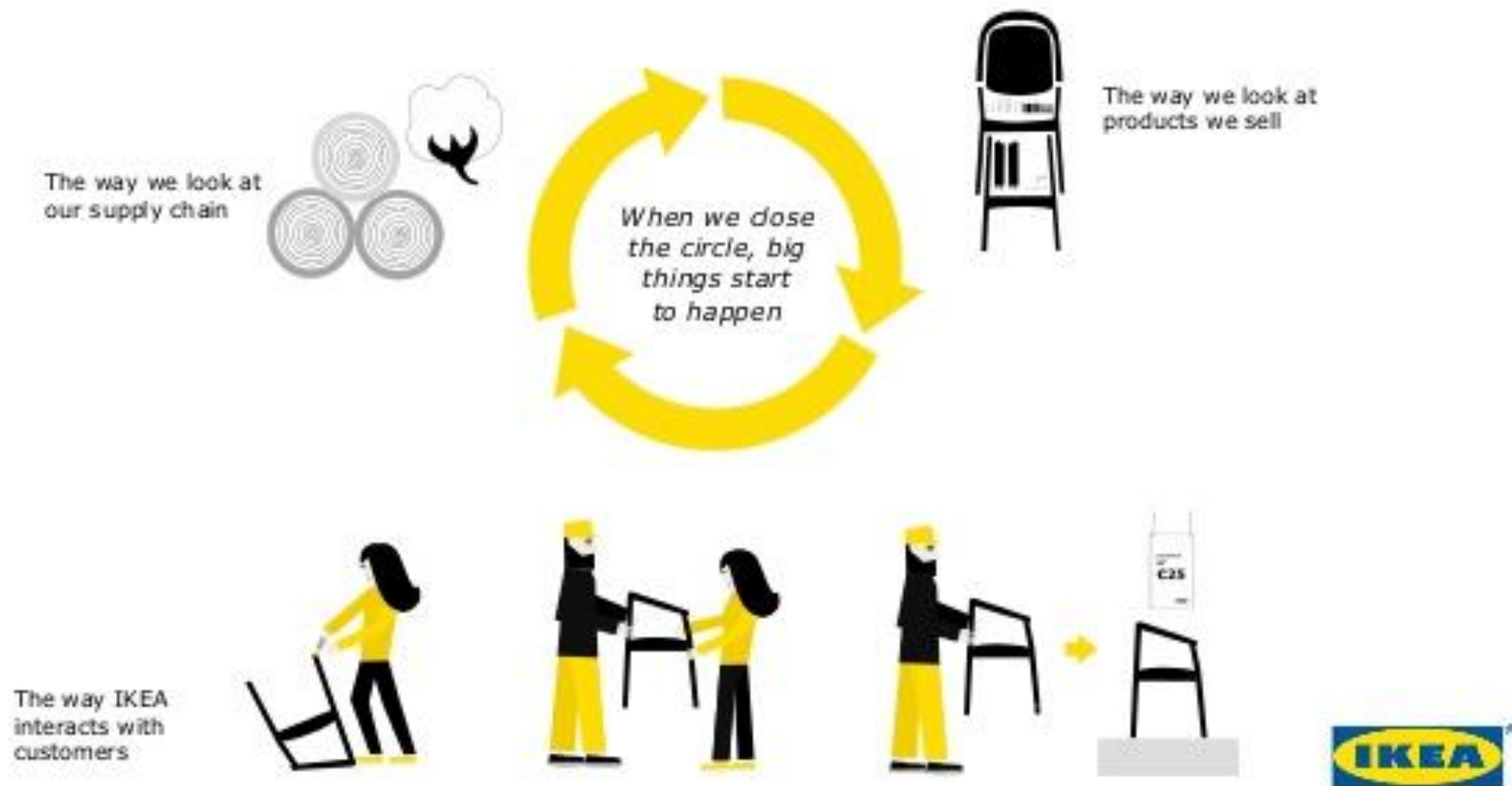


INOVATIVNI IN KREATIVNI



VKLJUČEVANJE UPORABNIKOV

CIRCULAR IKEA



MATEJ FEGUŠ, DONAR



OD LASTNIŠTVA DO SOUPORABE



Customer value proposition

All bundled in 3 value models



● **Standard Managed Services model**
Savings: on energy, operations and maintenance costs
Hassle-free: performance-based outcomes

●● **Light as a Service (LaaS)**
Light as a Service model = Standard Managed model + financing
No upfront investment: due to a unique business model, with compelling financing solutions

●●● **Circular lighting**
Circular lighting model = LaaS + circular economy elements
Delivering highest sustainability goals with circular elements

VSAK SEKTOR JE SEKTOR PRILOŽNOSTI



**"Every building is a
material depot"**

T.M Rau

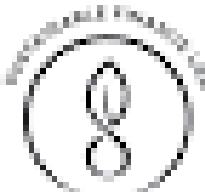


DENAR JE SVETA VLADAR



**Money makes
the world go
round**

(and will it help to make the economy circular as well?)



#CEStakeholderEU

We're part of the ECESP Coordination Group



MOČNE MREŽE



Agenzia nazionale per le nuove tecnologie,
l'energia e lo sviluppo economico sostenibile



WORLD ECONOMIC FORUM



SITRA





**ELLEN
MACARTHUR
FOUNDATION**

“The circular economy is much more about a change in the system, it’s not at all about individual behaviour change.”

WEF PACE – Platform for Accelerating CE



Projects

PACE catalyzes projects and supports affiliated partner led projects to scale-up circular economy action on plastics, electronics, food & bioeconomy and business model and market transformation. Active projects are already underway in China, Africa, ASEAN and Europe.

<https://www.acceleratecirculareconomy.org/>

Global Awards for Circular Changemakers

ABOUT THE CIRCULARS

The Circulars, an initiative of the World Economic Forum and the Forum of Young Global Leaders, run in collaboration with Accenture Strategy, is the world's premier circular economy award program. The award offers recognition to individuals and organizations across the globe that are making notable contributions to the circular economy in the private sector, public sector and society. The annual awards are hosted at the World Economic Forum's Annual Meeting in Davos.



Join the conversation
[@Circularsawards](#) [#TheCirculars](#)



Watch our
[YouTube Channel](#)

EFQM Innovation Challenge



<https://www.efqm.org/index.php/efqm-innovation-challenge/>

Social Innovation Competition



CHALLENGING Plastic Waste

European
Social Innovation
Competition 2019

Launch

Ljubljana, Slovenia
28 February 2019

Application Deadline

12 noon, CET
4 April 2019

Academy

Turin, Italy
16-18 July 2019

Awards Ceremony

Brussels, Belgium
October 2019



<https://eusic.challenges.org/>

Circular Hotspots



Inspired by Holland

https://www.youtube.com/watch?time_continue=170&v=tlyqXFutEUM

BUILDING A CE HOTSPOTS NETWORK IN EUROPE

EVENTS - SHARING BEST PRACTICES & INSIGHTS – CE OFFER & DEMAND - ADVOCACY



SHARING INNOVATION





INTERNATIONAL CIRCULAR WEEK 2019

7-13th of October 2019

More info www.circularweek.org

JOIN US!

Organizers:



POLISH
CIRCULAR
HOTSPOT



Circular Change



INSTYTUT
CIRKULARNEJ
EKONOMIKY



INSTYTUT
CIRKULARNEJ
EKONOMIKY

Leaders:



Mazowsze.
serce Polski

Patronage:



Kingdom of the Netherlands



Marszałek
Województwa
Mazowieckiego



Patronat Honorowy Marszałek
Województwa Lubuskiego
Elżbiety Anny Polak





THERE IS A **CRACK** IN EVERYTHING, THAT'S
HOW THE **LIGHT GETS IN.** LEONARD COHEN



CIRCULAR CHANGE

THE BEST ENTRY POINT FOR YOUR CIRCULAR ECONOMY JOURNEY