The Silicon Valley of the Circular Economy

Circular Valley



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Why a Circular Valley?

A **resilient economy** requires **closed cycles** and efficient use of resources. Circular Valley **brings people together** to jointly develop **solutions** for **sustainable value creation.**

Why is the Netherlands, Flanders and NRW region ideal?

The Netherlands, Flanders and NRW region connects industries with a need for solutions with existing **solution providers** and a broad **scientific landscape** in a unique way in the world; it is also a **cosmopolitan** region with a **rich industrial tradition**.

What is Circular Valley?

Circular Valley is the global hotspot for the circular economy. The non-profit Circular Valley **Foundation brings the relevant stakeholders to the table**. Companies, start-ups, science and politics work together across industries and technologies on **solutions for the circular economy**. **Public relations**, the world's first **circular economy accelerator** and **policy recommendations** are the foundation's main areas of work.

Circular Economy is the key to independence and economic resilience



Multilateralism and free trade are challenged.

- Taxes
- Protection
- Supply Interruptions

Europe needs independence and economic resilience.



Europe moves closer together

– Close material loops in Europe
– Decrease import dependencies
– Transform the economy

Circular Economy provides independence and economic resilience.



100,000,000,000 tons Emissions / Waste annually

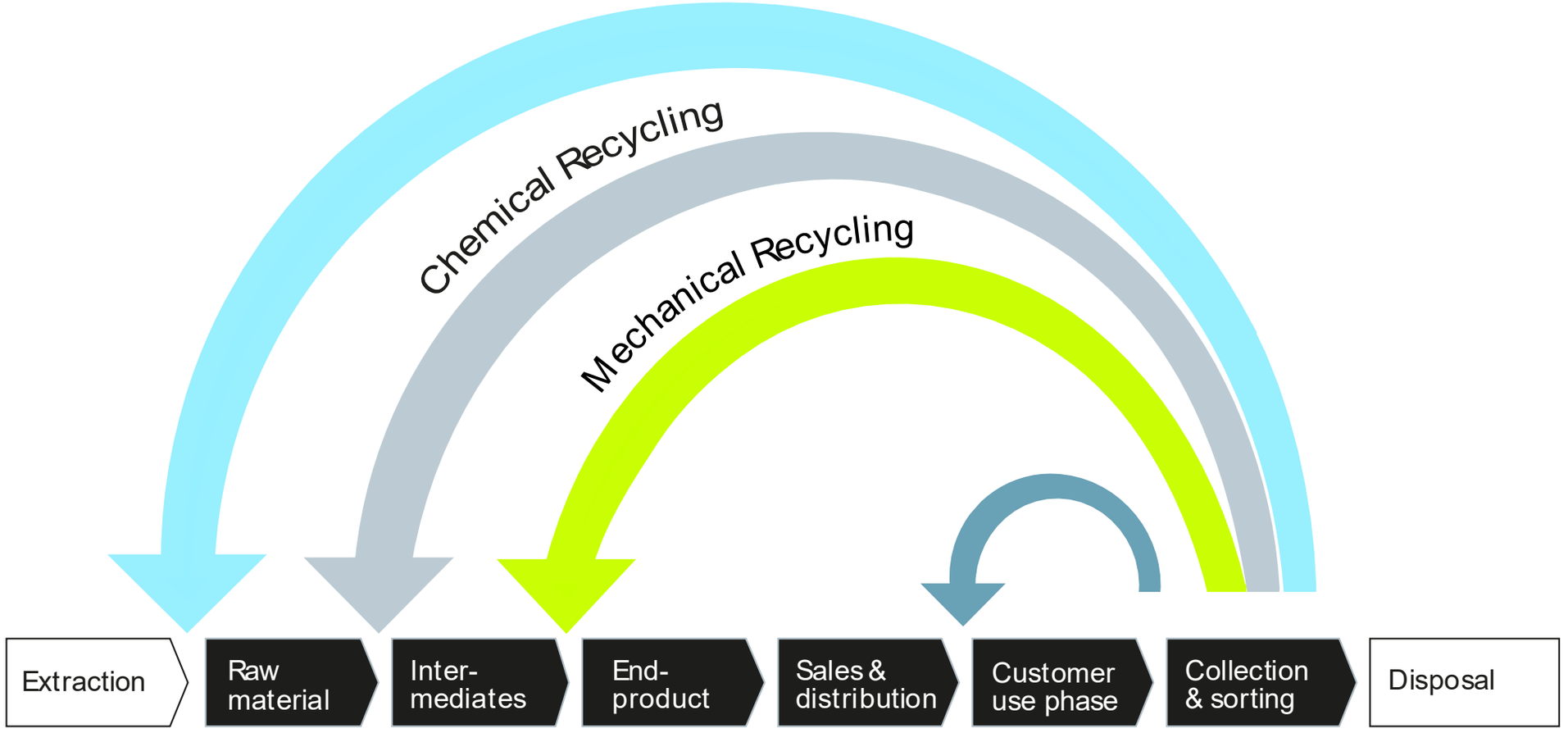
- On average around **35 kg** per day and person[1)]
- **Increasing** with the number of consumers worldwide
- **Microplastics** in the food chain (according to WWF **5g per week and person**)

1) incl. CO_2, construction waste, production waste, household waste,...

Reuse needs collaboration

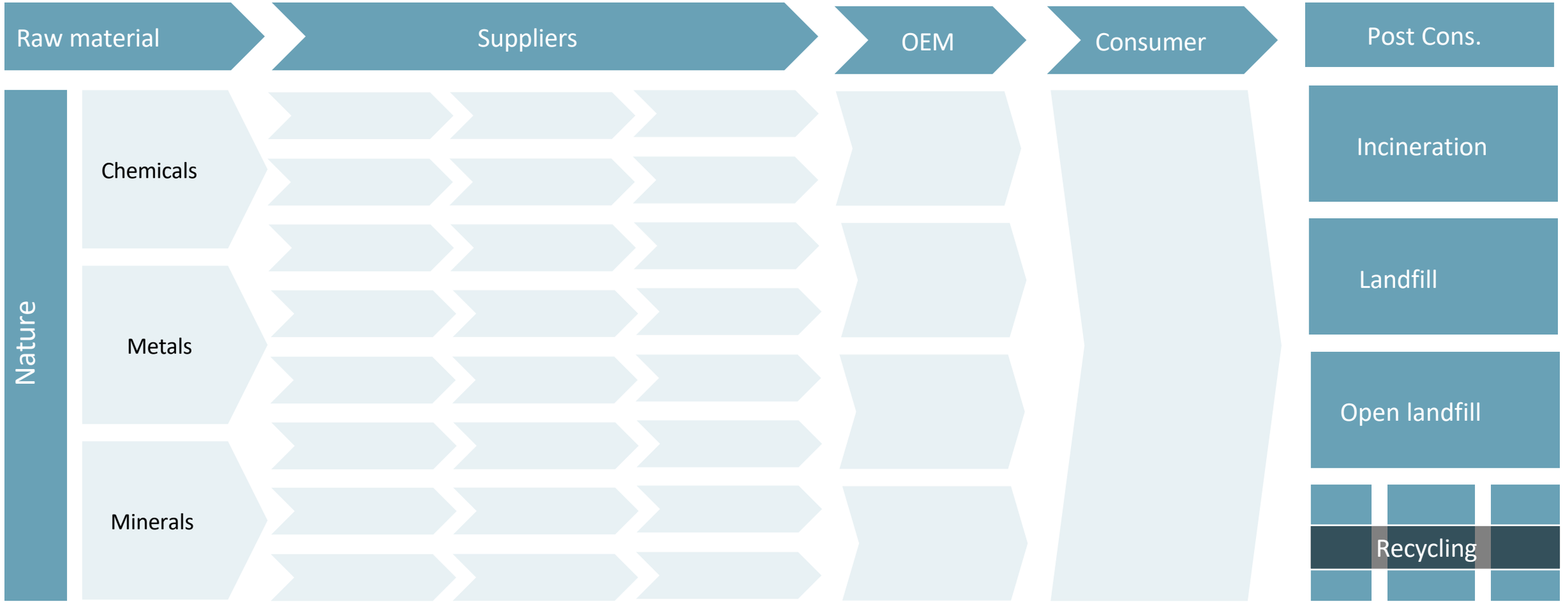


Environmental impacts can be prevented in several ways



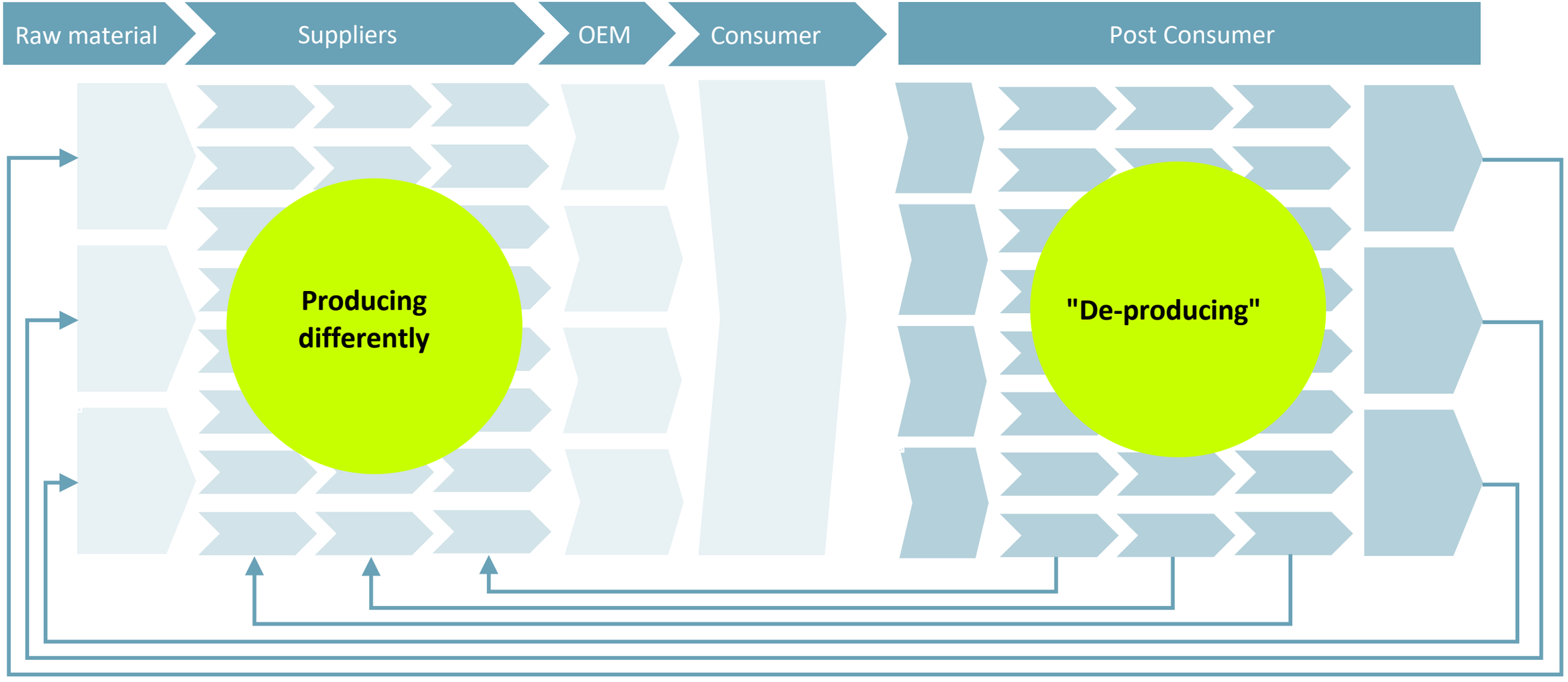
+ Product development and design with a focus on durability and recyclability
+ Business models based on sharing and use rather than ownership

Today, industries are primarily concerned with bringing goods to consumers



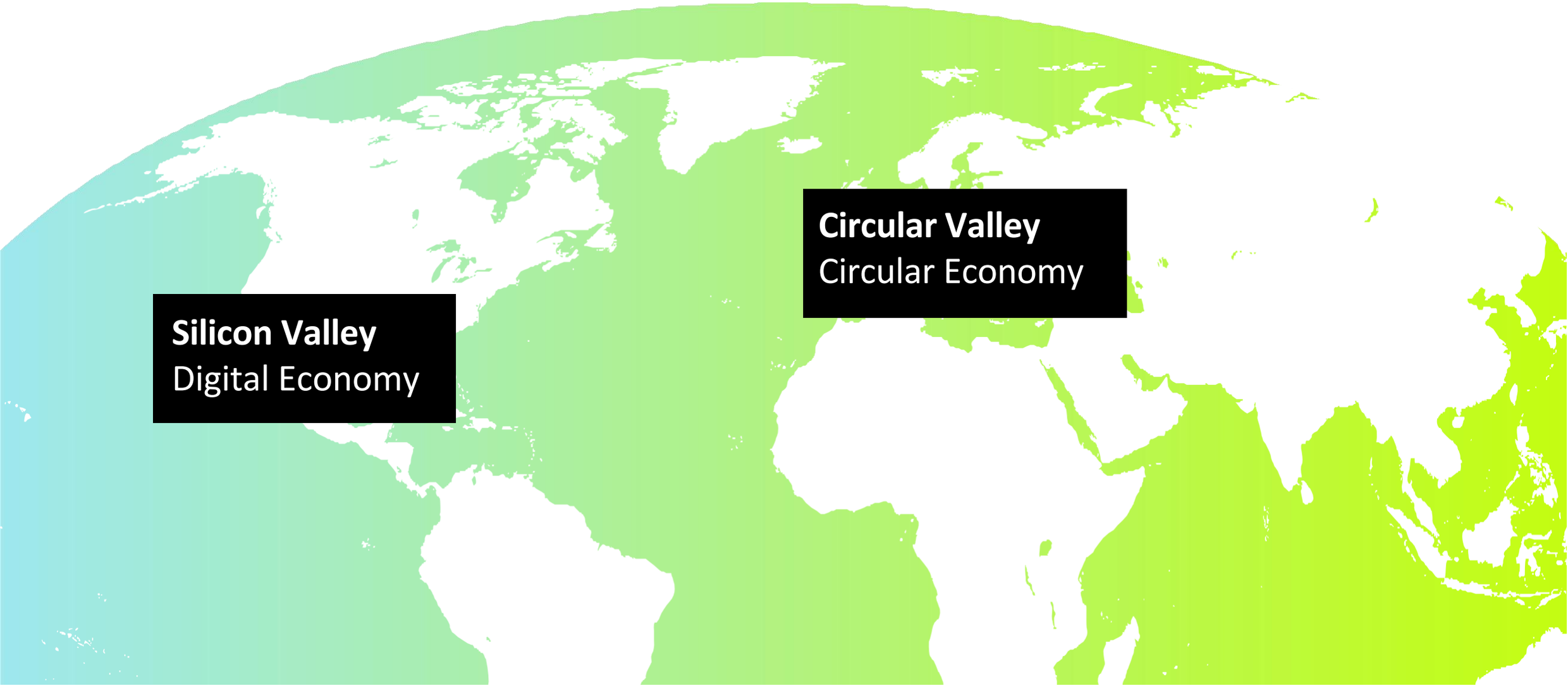
(often downcycling)

The challenge is to produce and "de-produce" differently



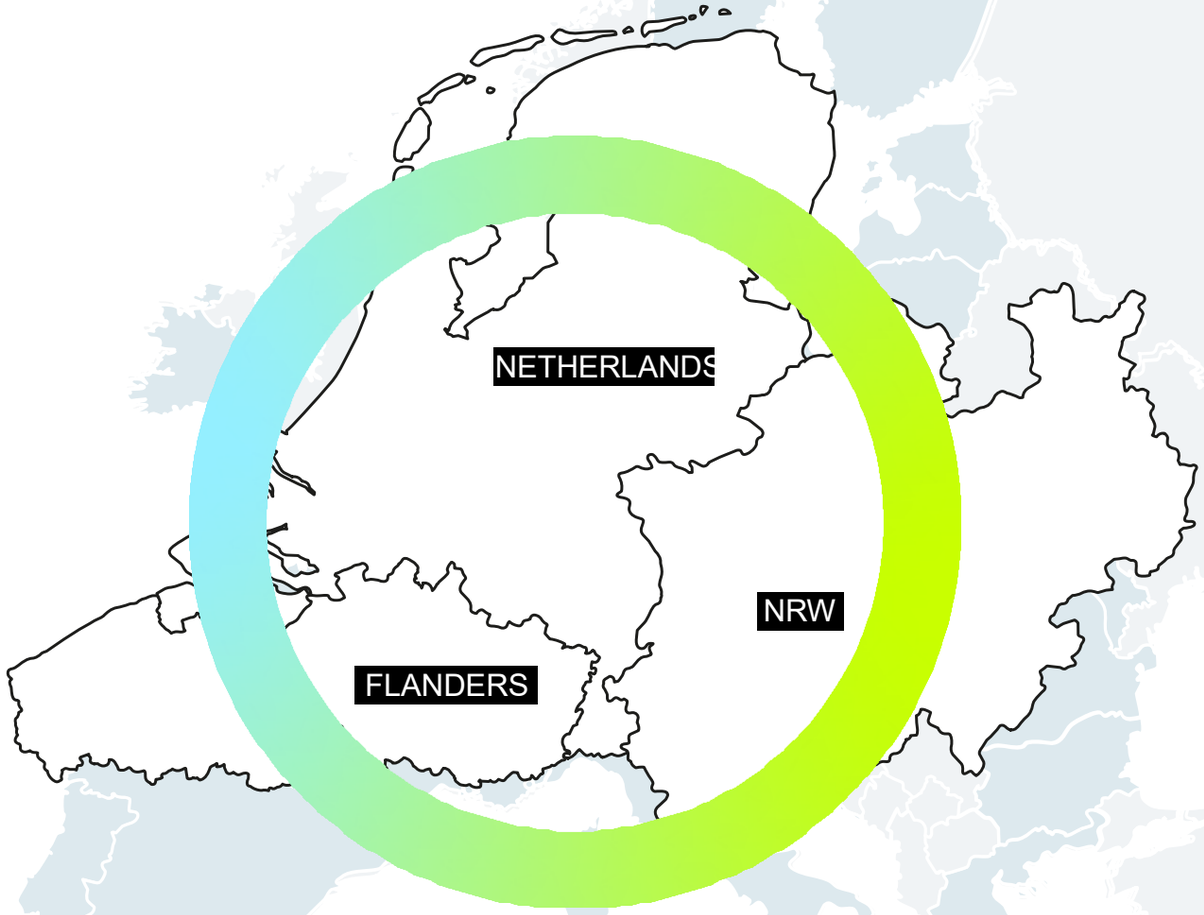
Needed: Repair, Reuse, Remanufacture, Refurbish, Recycle
Less needed: Repurpose, Recover

Circular Valley is for the circular economy what Silicon Valley is for the digital economy



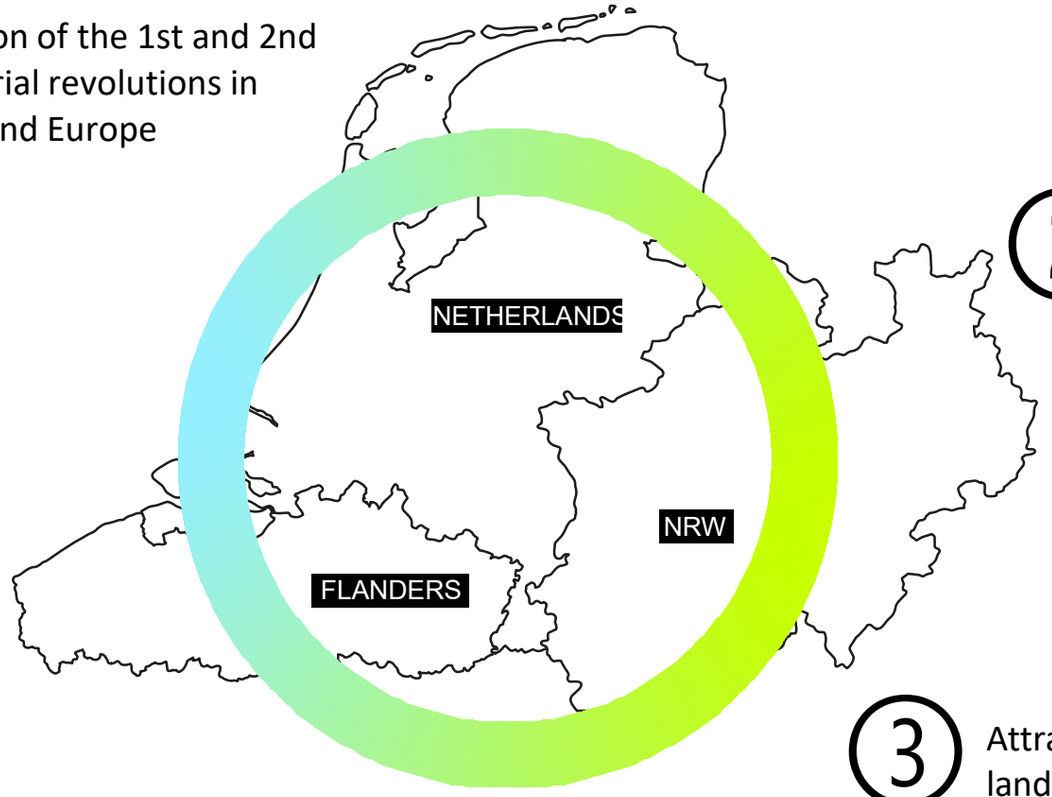

Why is the trilateral region of the Netherlands, Flanders and North Rhine-Westphalia ideally suited?

The Circular Valley is the trilateral region of the Netherlands, Flanders and North Rhine-Westphalia



For 5 reasons, the trilateral region of the Netherlands, Flanders and NRW is the ideal Circular Valley

1. Access to companies in need of solutions
2. Established and new circular companies
3. Attractive scientific landscape
4. Cosmopolitan, high quality of life
5. Location of the 1st and 2nd industrial revolutions in mainland Europe




What does
Circular Valley do?








Circular Valley connects

Circular Valley brings together stakeholders from all sectors of society so that concrete solutions can be implemented to accelerate the transition to a true circular economy.



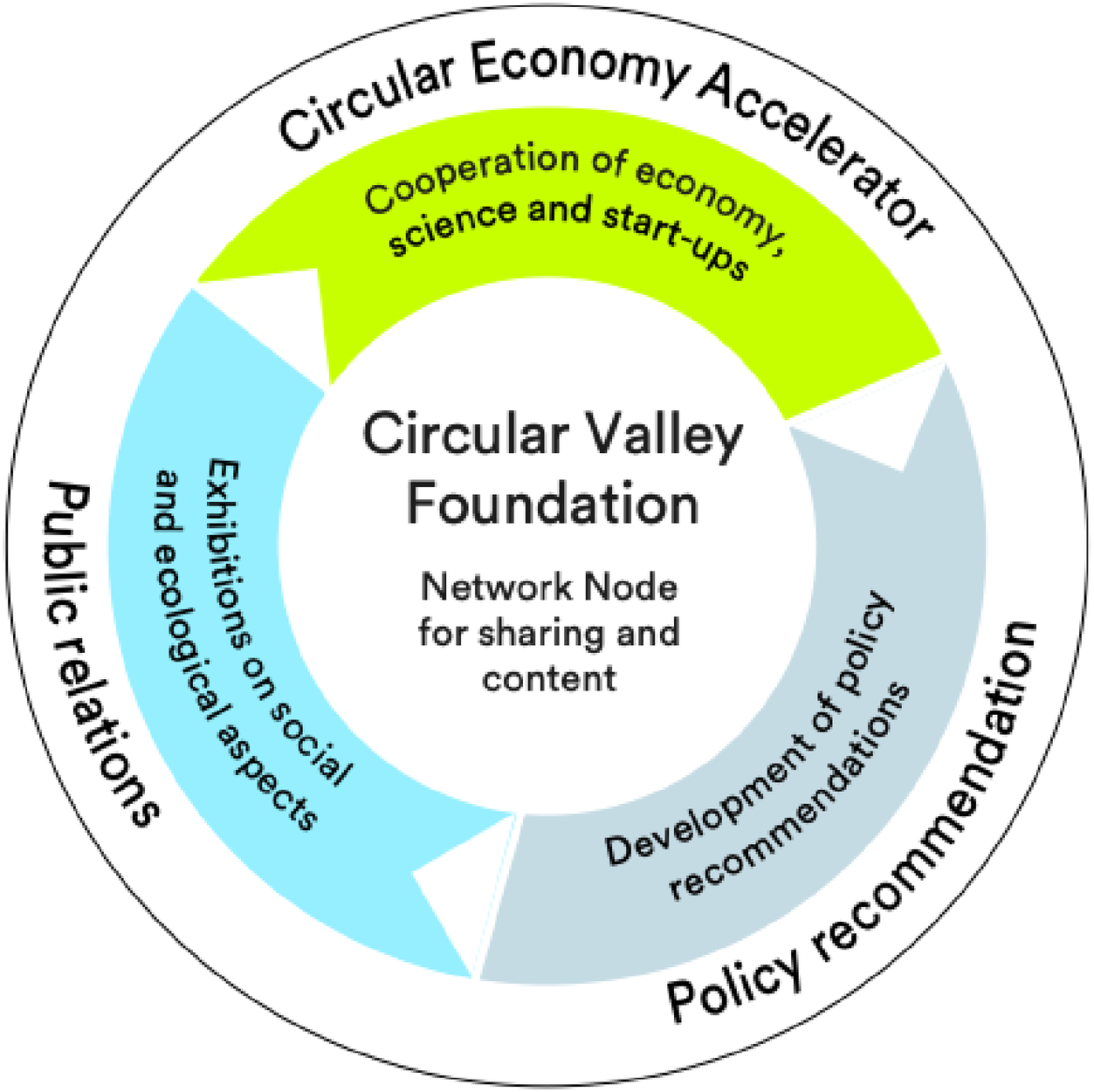




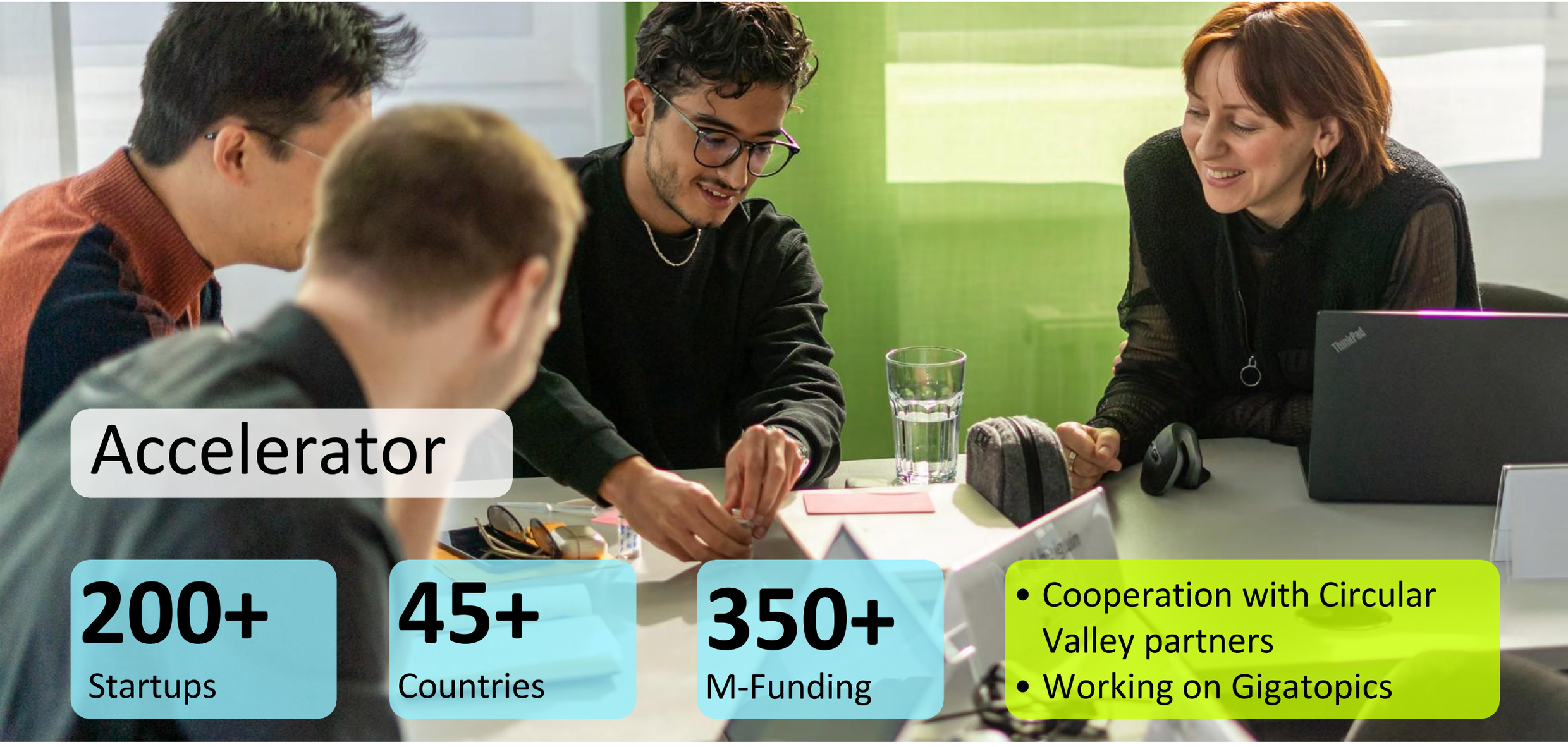




The core of Circular Valley is a foundation



Circular Valley strengthens circular economy and resilience





The world’s first Circular Economy Accelerator turns ideas into businesses

- Companies in the region and beyond come into direct contact with imaginative start-ups
- New, better ideas arise from spatial proximity
- Support young entrepreneurs and intrapreneurs from all over the world (PhDs, industry experts, …)
- Turn invention into innovation, put a business model behind
- Scale-up the idea and take it back to the areas where it is needed

Flagship Events







Circular Valley Forum (November 13, Wuppertal) as a high-level exchange between decision makers and experts

Circular Valley Convention (May 4/5, Düsseldorf) Expo and Congress

Partner Talks, Roundtables with companies and politics

Joint Projects



X-border projects (DE/B/NL) (Chemistry, Battery, Building material)



Partner Projects including Startups

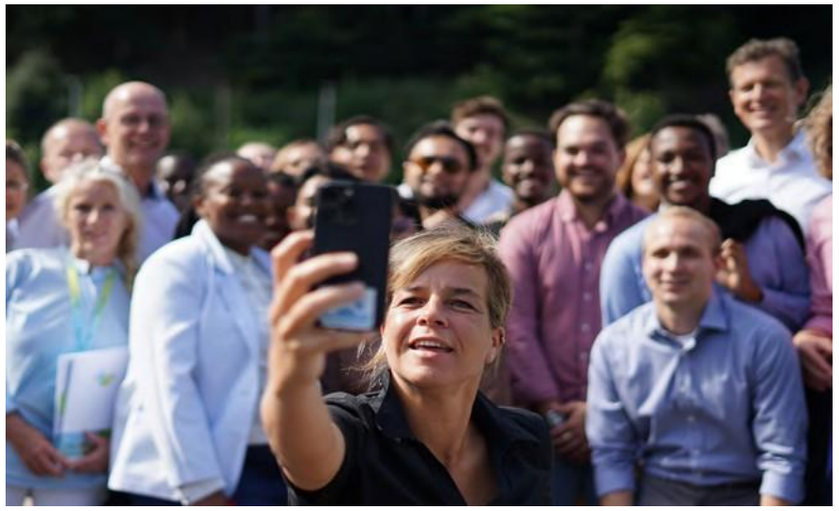
- TraWeBa – a project for better batteries
- Circular Valley Construction Hub
- Reverse Logistics Accelerator von Circular Valley und startport
- Circular Valley Convention



International Projects e.g. AgriPV with Worldbank

Circular Valley provides the opportunity of regular exchange with political decision makers













With combined strength, the stone has started rolling



Circular Valley receives support from a broad alliance of partners

Founders

Barmenia Gothaer · BAYER · Coroplast group · EY Building a better working world · GEFA BANK GROUPE BPCE · Stadtsparkasse Wuppertal · VORWERK · WSW. · WUPPERTAL BEWEGUNG

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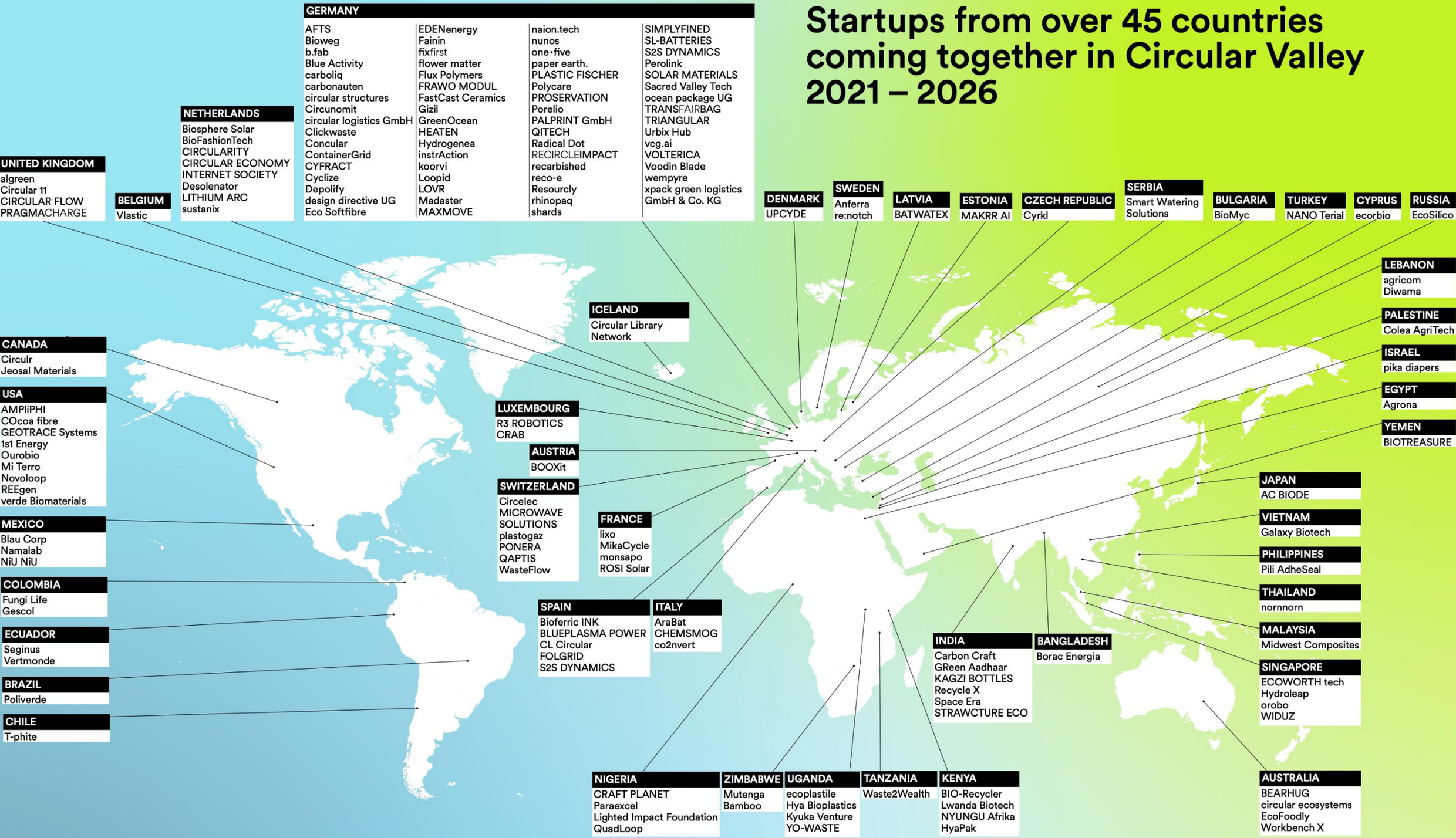
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And it has numerous cooperation partners from science and society



Startups from over 45 countries coming together in Circular Valley 2021 – 2026



GERMANY
AFTS
Bioweg
b.fab
Blue Activity
carboliq
carbonauten
circular structures
Circunomit
circular logistics GmbH
Clickwaste
Concular
ContainerGrid
CYFRACT
Cyclize
Depolify
design directive UG
Eco Softfibre
EDENenergy
Fainin
fixfirst
flower matter
Flux Polymers
FRAWO MODUL
FastCast Ceramics
Gizil
GreenOcean
HEATEN
Hydrogenea
instrAction
koorvi
Loopid
LOVR
Madaster
MAXMOVE
naion.tech
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paper earth.
PLASTIC FISCHER
Polycare
PROSERVATION
Porelio
PALPRINT GmbH
QITECH
Radical Dot
RECIRCLEIMPACT
recarbished
reco-e
Resourcly
rhinopaq
shards
SIMPLYFINED
SL-BATTERIES
S2S DYNAMICS
Perolink
SOLAR MATERIALS
Sacred Valley Tech
ocean package UG
TRANSFAIRBAG
TRIANGULAR
Urbix Hub
vcg.ai
VOLTERICA
Voodin Blade
wempyre
xpack green logistics GmbH & Co. KG

NETHERLANDS
Biosphere Solar
BioFashionTech
CIRCULARITY
CIRCULAR ECONOMY
INTERNET SOCIETY
Desolenator
LITHIUM ARC
sustanix

UNITED KINGDOM
algreen
Circular 11
CIRCULAR FLOW
PRAGMACHARGE

BELGIUM
Vlastic

DENMARK
UPCYDE

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LATVIA
BATWATEX

ESTONIA
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SERBIA
Smart Watering Solutions

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BioMyc

TURKEY
NANO Terial

CYPRUS
ecorbio

RUSSIA
EcoSilico

LEBANON
agricom
Diwama

PALESTINE
Colea AgriTech

ISRAEL
pika diapers

EGYPT
Agrona

YEMEN
BIOTREASURE

ICELAND
Circular Library Network

CANADA
Circulr
Jeosal Materials

USA
AMPliPHI
COcoa fibre
GEOTRACE Systems
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Ourobio
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ROSI Solar

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Blau Corp
Namalab
NiU NiU

COLOMBIA
Fungi Life
Gescol

ECUADOR
Seginus
Vertmonde

BRAZIL
Poliverde

CHILE
T-phite

SPAIN
Bioferric INK
BLUEPLASMA POWER
CL Circular
FOLGRID
S2S DYNAMICS

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AraBat
CHEMSMOG
co2nvert

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AC BIODE

VIETNAM
Galaxy Biotech

PHILIPPINES
Pili AdheSeal

THAILAND
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MALAYSIA
Midwest Composites

SINGAPORE
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TANZANIA
Waste2Wealth

KENYA
BIO-Recycler
Lwanda Biotech
NYUNGU Afrika
HyaPak

AUSTRALIA
BEARHUG
circular ecosystems
EcoFoodly
Workbench X

Our founders form a global community



All partners meet at the Circular Valley Forum



The Circular Valley Convention in cooperation with Messe Düsseldorf unites industries for a circular tomorrow



Circular Valley Convention

Shaping Circular Ecosystems

from 4 to 5 May 2027 in Düsseldorf at the Areal Böhler

Circular Valley

Thank you for your attention!

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LinkedIn

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Gefördert durch:

Ministerium für Wirtschaft, Industrie, Klimaschutz und Energie des Landes Nordrhein-Westfalen

Ministerium für Umwelt, Naturschutz und Verkehr des Landes Nordrhein-Westfalen

Gefördert im Rahmen der Umweltwirtschaftsstrategie
umwelt wirtschaft
Green Economy – stark in NRW