



04

Forward-looking Technologies and Business Models

WHEN: 9.00 – 12.20

WHERE: MAIN STAGE



THE WAY FORWARD TO CIRCULARITY – CONFERENCE 2022

Reflection of Day 1 & Introduction of Day 2

Forward-looking Technologies and Business Models

KEYNOTE: SUSTAINABLE
CIRCULARITY:
EMBEDDING
TECHNOLOGIES INTO A
SYSTEMIC
TRANSFORMATION
PROCESS



**DR. HENNING
WILTS**
Head of Circular
Economy
Department,
Wuppertal Institut



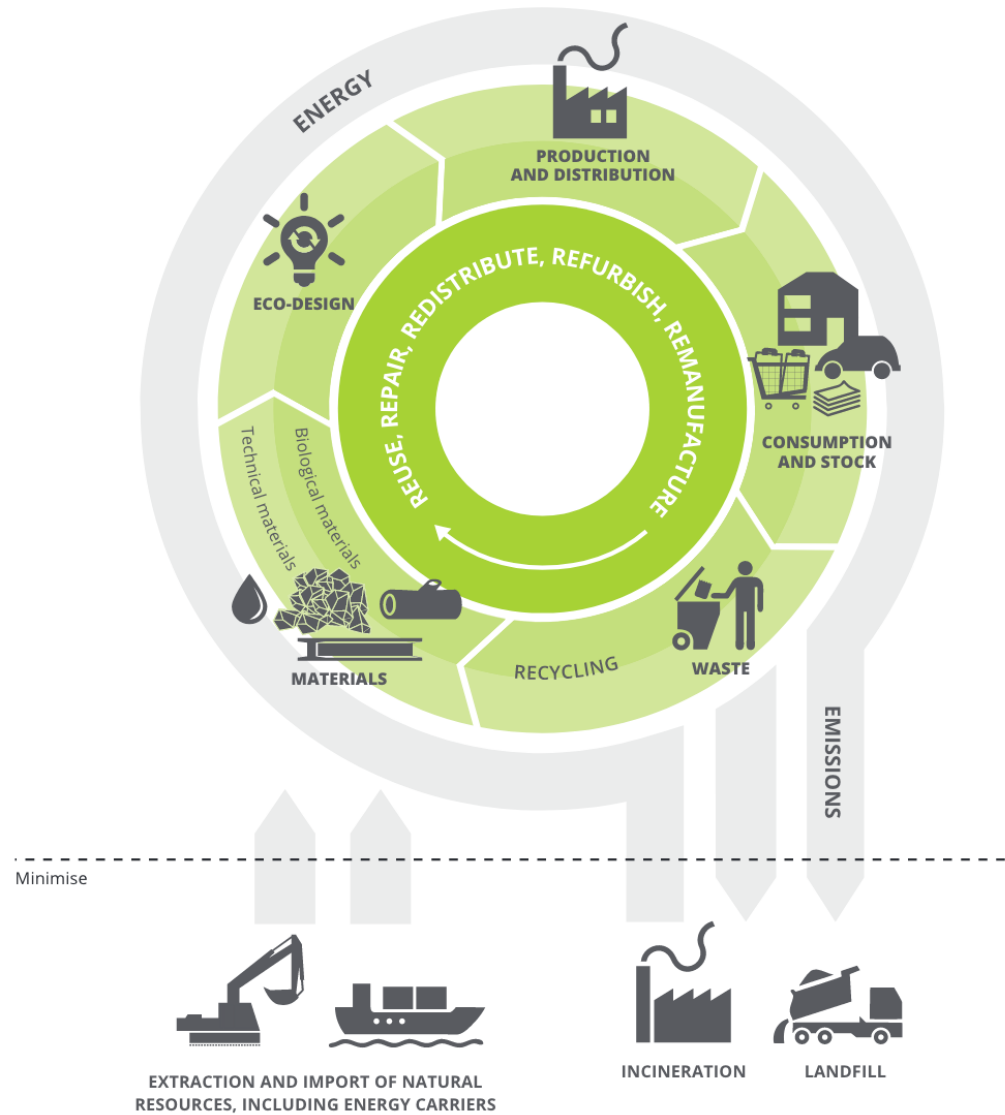
THE WAY FORWARD TO CIRCULARITY – NOVEMBER 30TH 2022, BERLIN

Sustainable circularity: Embedding technologies into a systemic transformation process

DR. HENNING WILTS

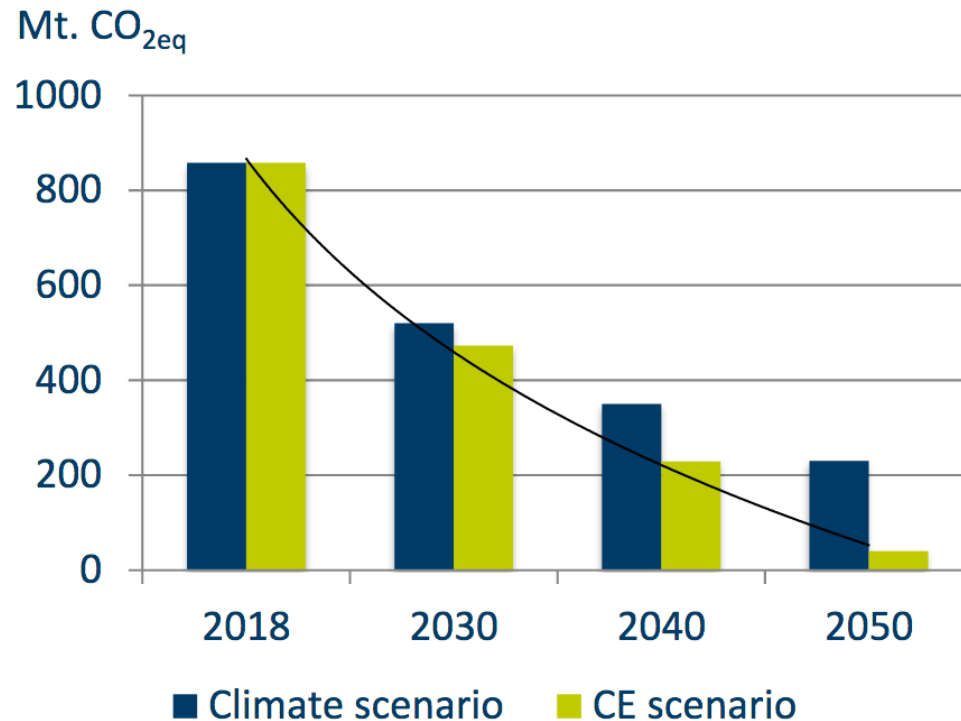
Circular Economy

Systemic transformation instead of Incremental improvement



Environmental as well as economic urgency undisputed

No climate neutrality without circular economy



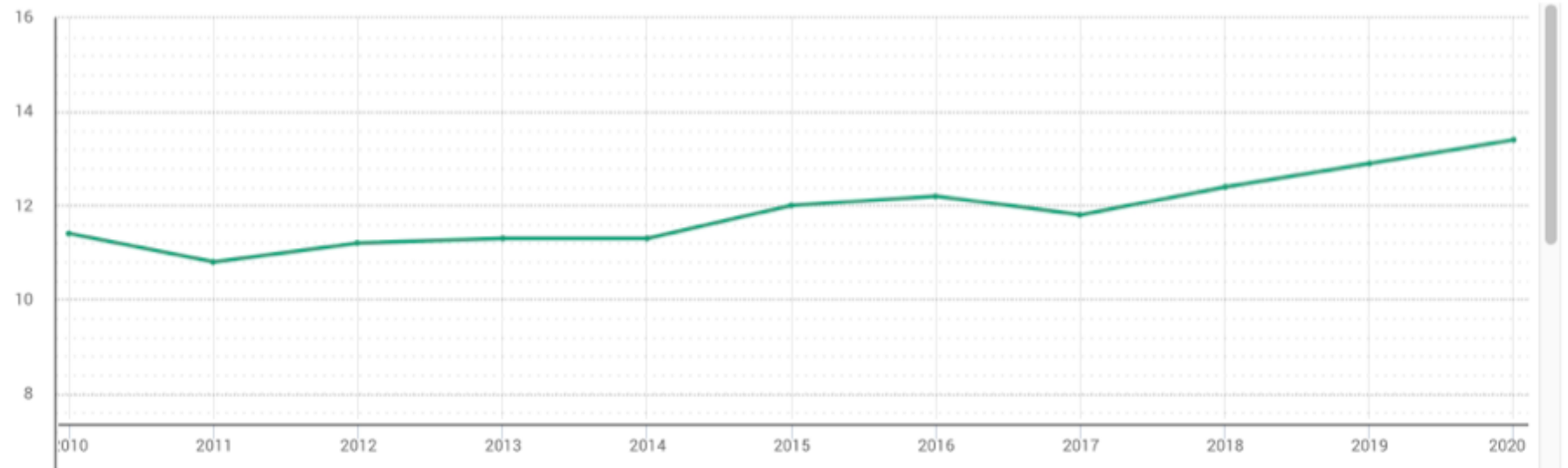
Circular Economy levers:

- Life cycle extension
- Product use intensification
- Increased recycling (incl. increased energy efficiency)

Out of niche!

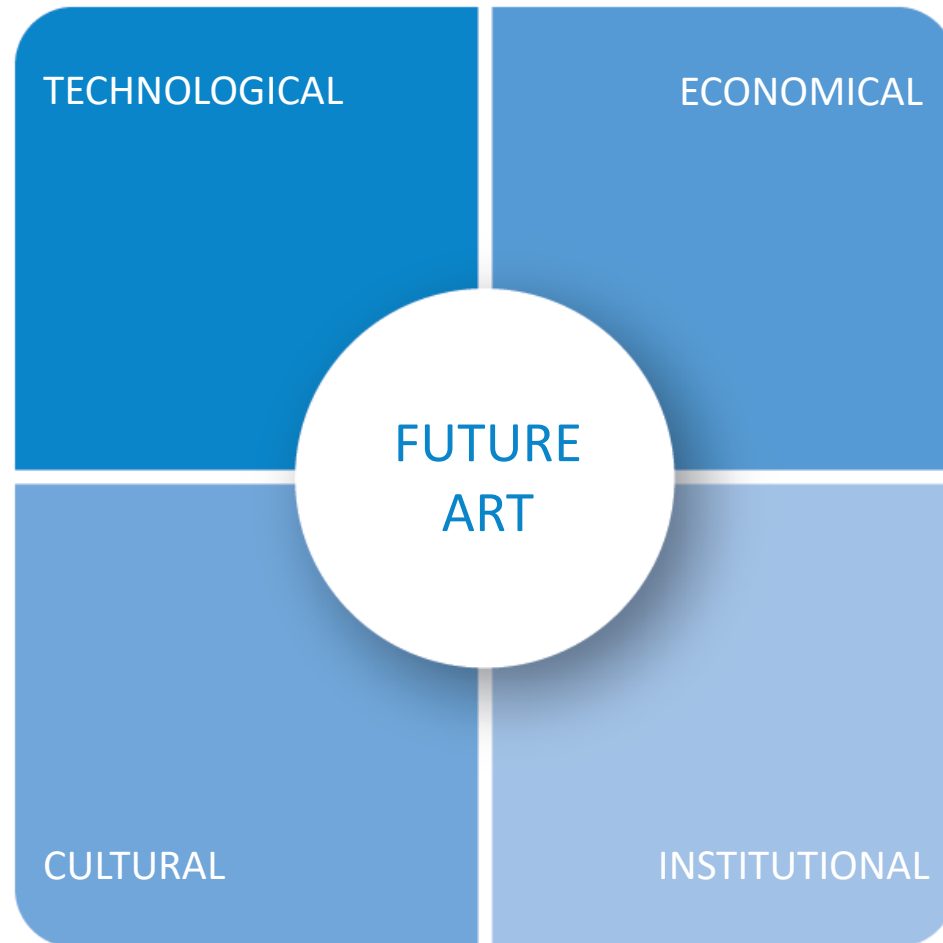
Place and scale of the transition process will have to be drastically increased

- Progress in Germany is more or less stagnating (+0,4% / a)



Circular Economy

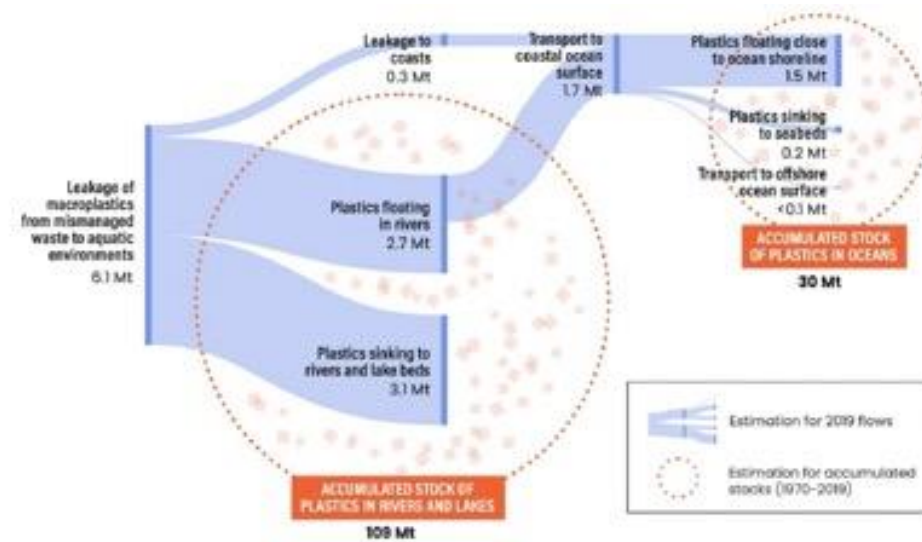
A multidimensional challenge



Example 1: Plastic waste and chemical recycling

Simple Solutions for complex problems?

- OECD: Even in a ambitious scenario, plastic waste generation will double
- The share of non-recycable plastic waste will increase
- Increasing leakages of plastic waste into the environment
- One highly controversial option: Turning plastic waste back into oil („chemical recycling“)

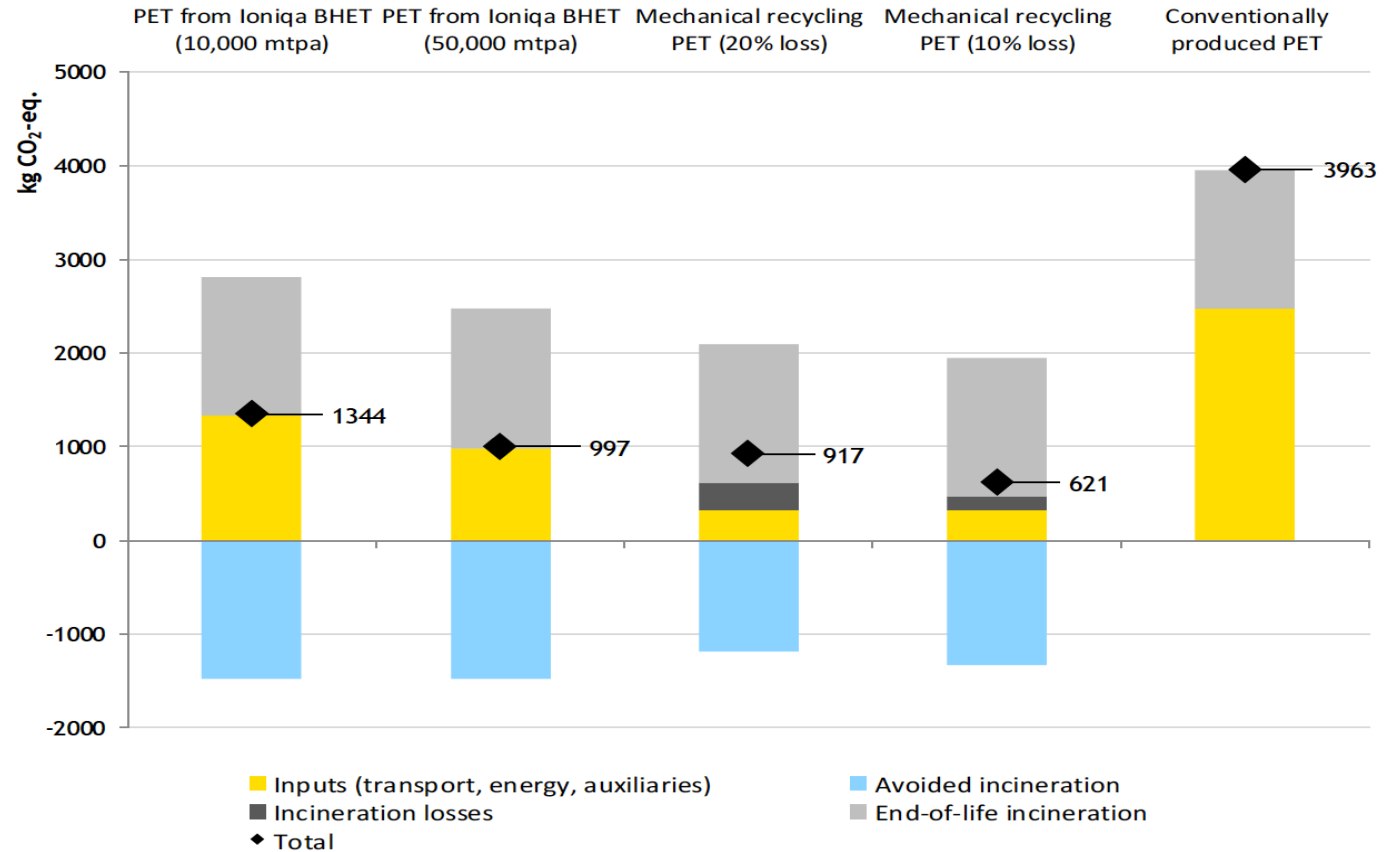


Source: OECD, 2021; Getty Images/iStockphoto

Environmental assessments highlight the potential benefits compared to virgin material or incineration:

How do we maintain incentives to improve circular design?

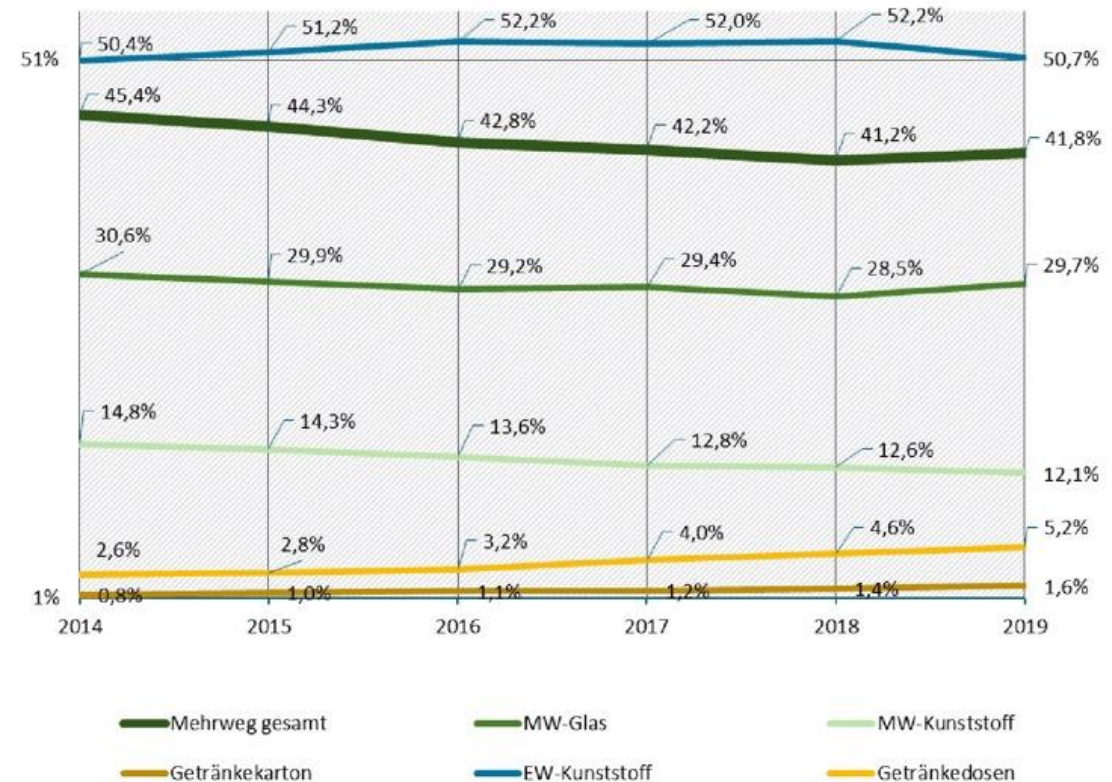
<https://www.cedelft.eu/en/publications/2173/exploratory-study-on-chemical-recycling>



Example 2: Re-usable packaging solutions

- Despite an intense discussion on negative impacts of single-use plastics, re-use is still a niche phenomenon or even decreasing
- Business model re-use: Clear cost-saving opportunity (BCG, Systemiq)
- High „willingness to pay“ by consumers
- But: Lacking standards, norms and definitions!

Source: GVM, 2021



To be discussed

1. Circular Economy is no end in itself, it has to be shaped in a way that it actually contributes to resource conservation and climate neutrality! Rebound effects have to be taken into account.
2. Technologies or materials are not per se good or bad. They always require a holistic view and systemic assessments, including impacts on incentive structures and innovation trajectories.

**Thank you very much
for your attention!**

DR. HENNING WILTS
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FOR FURTHER INFORMATION PLEASE VISIT OUR WEBSITE
WWW.WUPPERINST.ORG

WWW.EXPORTINITIATIVE-UMWELTSCHUTZ.DE



Forward-looking Technologies and Business Models

PANEL DISCUSSION:
EXPERIENCES FROM
DIFFERENT AREAS

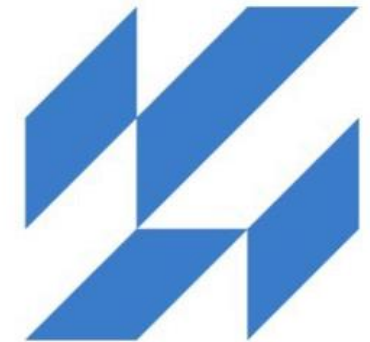


Dr. Henning Wilts
Head of Circular Economy Department, Wuppertal Institut

SPEAKER



KAROLIN LANGFELDT
Business Development Director, Circulor



PETER BERGER
Head of Law, Raan GmbH / RAAN-Group

SESSION 4

Forward-looking Technologies and Business Models

TRACING SUPPLY CHAINS
FOR RECLAIMING
SECONDARY RESOURCES



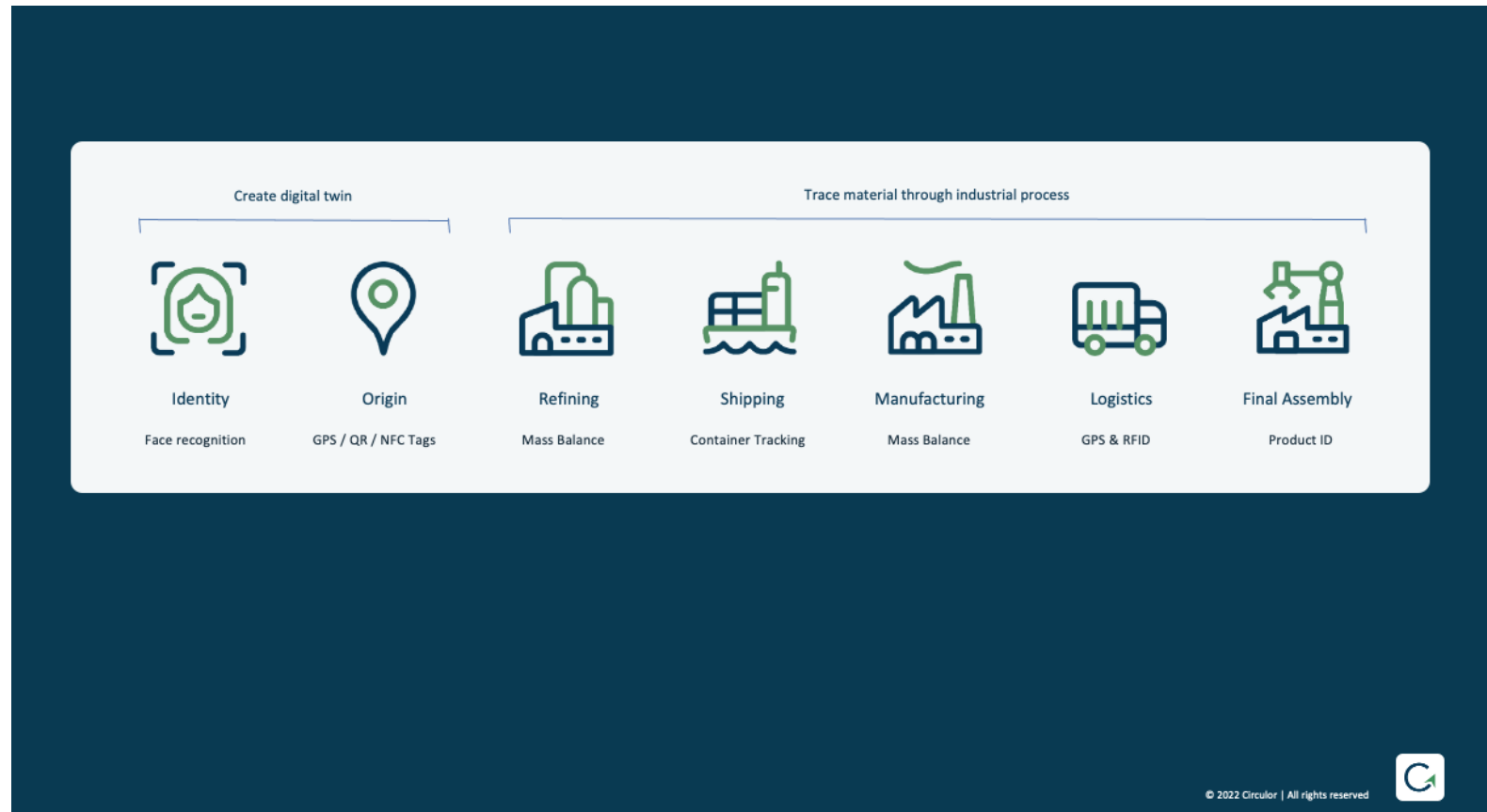
**KAROLIN
LANGFELDT**
Business
Development Director,
Circular

SPEAKER

SESSION 4

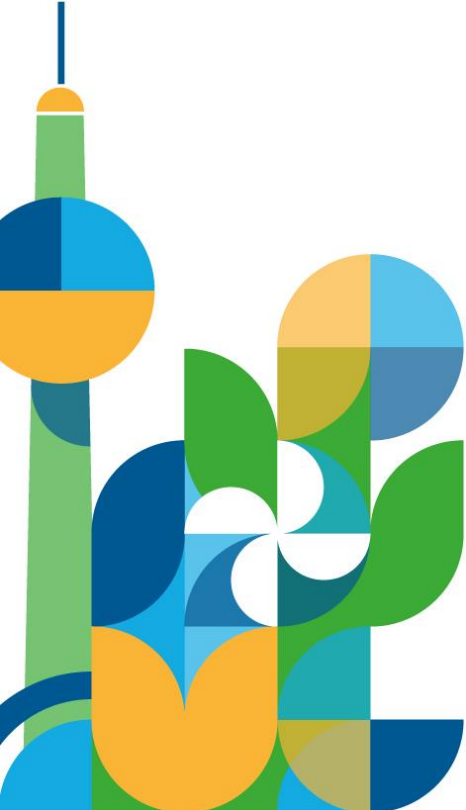
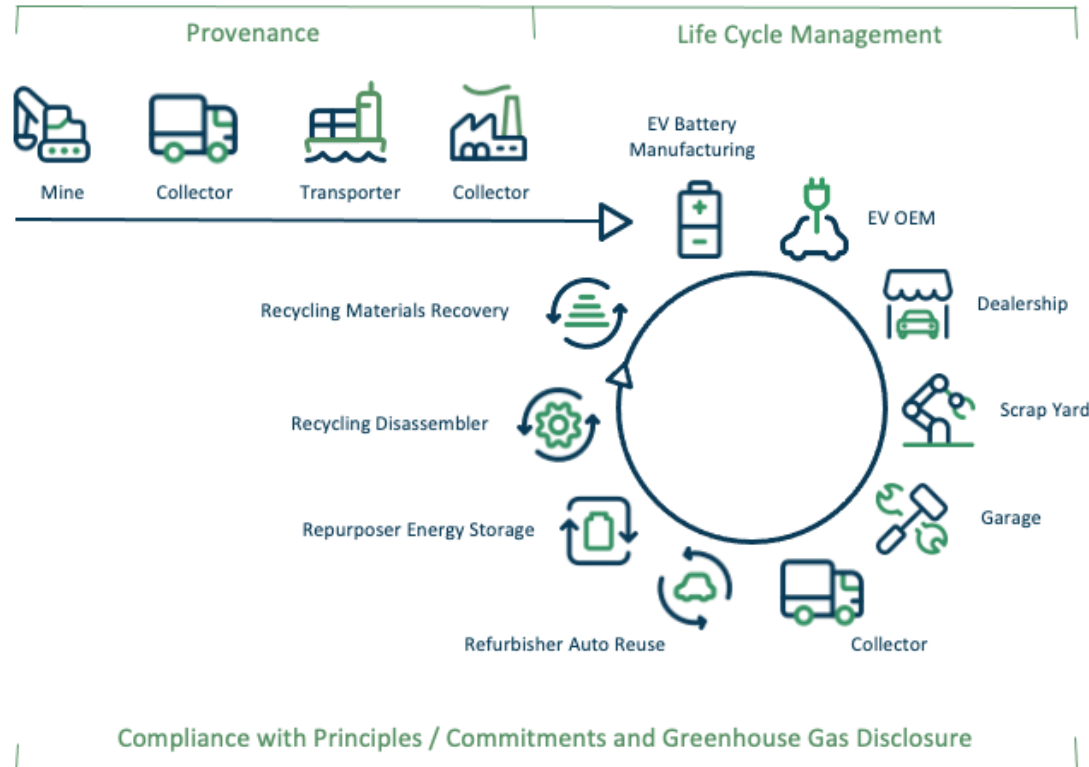
Enabling the Circular Economy

By providing end-to-end supply chain transparency



Enabling the Circular Economy

By providing end-to-end supply chain transparency



Forward-looking Technologies and Business Models

FRAMEWORK
CONDITIONS AND
PREREQUISITES IN AN
INTERNATIONAL
CONTEXT FOR AN
ENGAGEMENT IN
CIRCULAR
DEVELOPMENT



PETER BERGER
Head of Law,
Raan GmbH / RAAN-
Group

SPEAKER

SESSION 4

Framework conditions and prerequisites in an international context for an engagement in circular development

Peter Berger – Head of Legal Affairs



Reclay Group

Nachhaltigkeit braucht Vordenker



Reclay Group

PRO Full-Service Provider

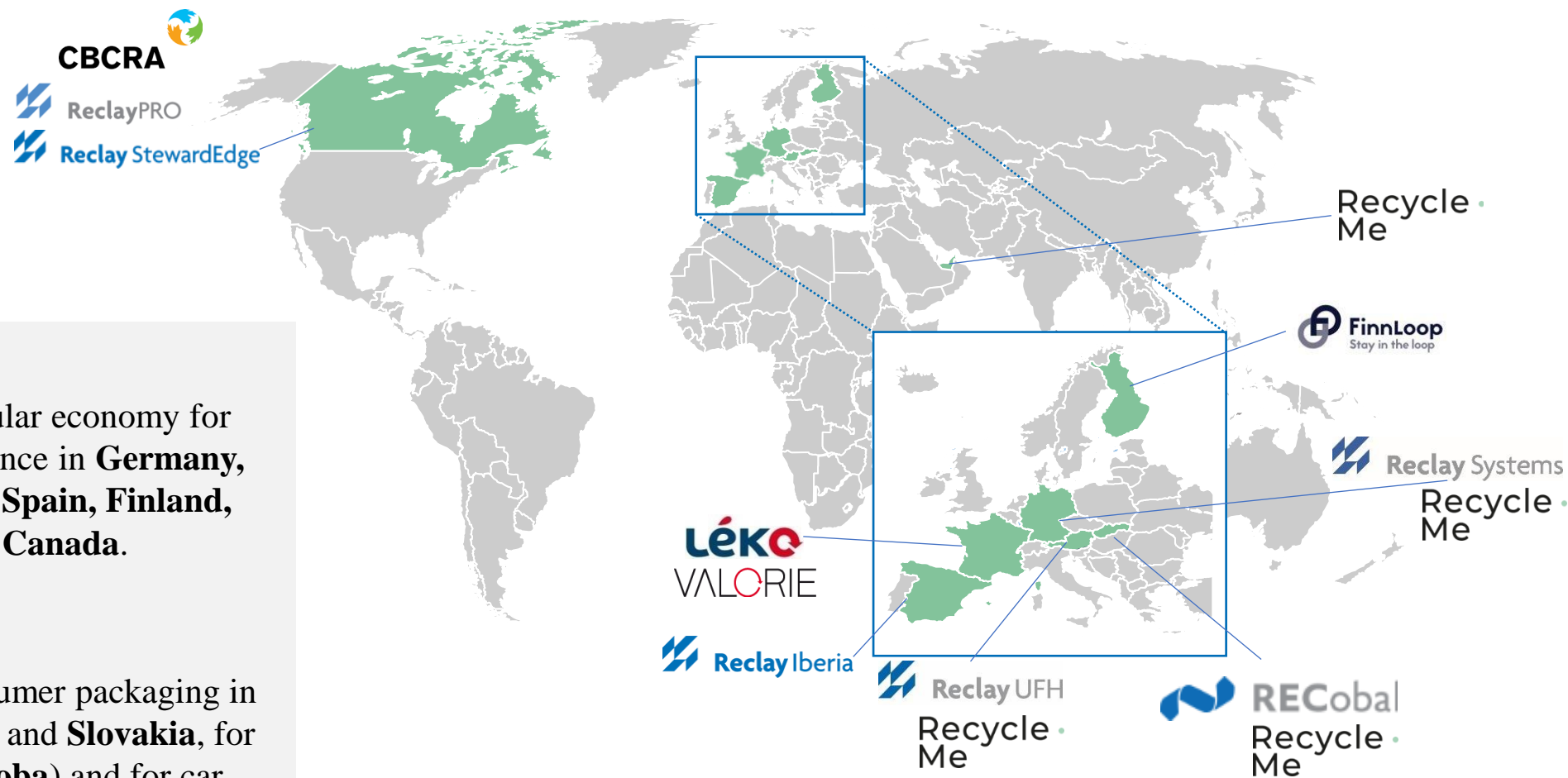
The Reclay Group is an **internationally oriented service provider** in the field of **EPR - extended producer responsibility**. Worldwide it operates seven Producer Responsibility Organizations (PROs). The team of experts covers the entire value chain of waste disposal and recycling and develops tailor-made, individual solutions so that customers can achieve their environmental goals.

www.reclay-group.com



Raan

Synergy of consulting and Producer Responsibility Organisations



Consulting

Business consulting on circular economy for packaging and EPR compliance in **Germany, Austria, Slovakia, France, Spain, Finland, United Arab Emirates and Canada.**

PRO

Operation of PROs for consumer packaging in **Germany, Austria, France and Slovakia**, for beverage containers (**Manitoba**) and for car tires (**Ontario**) in **Canada.**

Raan

Expertise of the RAAN Group

PRO Services



Circular Consultancy



Digital Solutions



Circularity Joint Entity



Technical Office



Eco-design Agency



REI Auditing





THE WAY FORWARD TO CIRCULARITY – CONFERENCE 2022

Coffee Break

10.25 – 10.55

Forward-looking Technologies and Business Models

KEYNOTE: TAKE BACK
FOR TAKE AWAY – AN
ATTRACTIVE
ALTERNATIVE?



FABIAN BARTHEL
Co-Founder &
Managing Director,
Vytal

SPEAKER



THE WAY FORWARD TO CIRCULARITY – CONFERENCE 2022

Implementation of Re-Use-Systems – what does it take?



THE WAY FORWARD TO CIRCULARITY – CONFERENCE 2022

Breakout Sessions

11.20 – 12.20

Forward-looking technologies and business models

SESSION 1

Which other promising green technologies can tackle the most pressing environmental and social challenges in the countries where we operate and at the global level?

SESSION 2

What opportunities are there to scale up established technologies at national and regional levels?

SESSION 3

Which business models provide market opportunities and promote solving the most pressing environmental and social challenges in the countries where we operate and at the global level?

SESSION 4

What opportunities are there to scale up successful business models at national and regional levels?



THE WAY FORWARD TO CIRCULARITY – CONFERENCE 2022

Lunch

12.20 – 13.50



05

Partnership and Cooperation

WHEN: 13.50 – 15.10

WHERE: MAIN STAGE



THE WAY FORWARD TO CIRCULARITY – CONFERENCE 2022

Debriefing of Breakout Discussions



THE WAY FORWARD TO CIRCULARITY – CONFERENCE 2022

Cooperation Talks: Partners in Dialogue

Partnership and Cooperation

BUILDING-UP
PARTNERSHIPS AND
FOSTERING
COOPERATION



**RAGHU BABU
NUKALA**
Programme Director,
GIZ

SPEAKER



ANDREAS BECK
Partnerships, Business
development and Sales,
Bosch

SESSION 5

Partnership and Cooperation

COOPERATION WITH ASSOCIATIONS



**SYLVI
CLAUßNITZER**
Managing Director,
RETech Partnership

SPEAKER



**FLORIAN
WERTHMANN**
CEO,
ECOLOGICON
GmbH



Partnership and Cooperation

CIRCULAR ECONOMY:
FROM THE SIDELINES TO
THE CORE OF GLOBAL
MACROECONOMIC
AGENDAS?



**AGNES
BÜNEMANN**

Managing Director,
cyclos GmbH

SPEAKER



**NICOLAS J.A.
BUCHOUD**

Fellow,
Global Solutions
Initiative (GSI)

SESSION 5

Partnership and Cooperation

ADDED VALUE THROUGH
COOPERATION
EXPERIENCES BETWEEN
PREVENT AND EXI



**DOROTHEE
BÜRKLE**
Advisor,
GIZ

SPEAKER



**ANGELINA
SCHREINER**
Advisor,
GIZ

SESSION 5

Partnership and Cooperation

PRESENTING THE
GREENTECH KNOWLEDGE
HUB



**RAMSHID
RASHIDPOUR**

Intern,
GIZ



SOMA BISWAS

Communication
Advisor,
GIZ



**RIKA LUMBAN
GAOL**

Advisor,
GIZ



DINA KURDIEH

Technical Advisor,
GIZ

SPEAKER

SESSION 5

Partnership and Cooperation

PRESENTING THE
GREENTECH KNOWLEDGE
HUB



**NADIRAH ABD
MANAF**
Project Assistant,
GIZ



**PAKIN
SOMKIEATPRAYOOL**
Project Assistant ,
GIZ



SONAL JAIN
Technical Advisor,
GIZ

SPEAKER

SESSION 5



THE WAY FORWARD TO CIRCULARITY – CONFERENCE 2022

Coffee Break

15.10 – 15.45



06

The Way Forward

WHEN: 15.45 – 16.30

WHERE: MAIN STAGE

The Way Forward

PANEL DISCUSSION: THE WAY FORWARD



NILGÜN PARKER
Head of Unit,
BMUV



CHRISTINA LAUN
Head of Unit,
BMZ



MARKUS LÜCKE
Project Manager,
GIZ



HELMUT MAURER
Former Senior
Expert,
Formerly European
Commission

SPEAKER

The Way Forward

CLOSING REMARKS



NILGÜN PARKER
Head of Unit,
BMUV

SPEAKER

Thank you for your participation and interest!

THE WAY FORWARD TO CIRCULARITY
FUTURIUM BERLIN | 29TH – 30TH NOVEMBER 2022

WWW.EXPORTINITIATIVE-UMWELTSCHUTZ.DE

