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VCI

iW INSTITUT
DER DEUTSCHEN
WIRTSCHAFT

German Economic Institute

VCI & IW FORUM: MAKING THE GREEN DEAL WORK FOR THE EUROPEAN INDUSTRY

How to satisfy energy demand in a climate neutral Europe?

VCI & IW-Webinar, 20.05.2020, 10:00 – 11:00



VCI

Moderation & Speakers



**Roland Kube
(Moderator)**

Senior Economist IW



Jörg Rothermel

Head of Department
Energy, Climate
Protection and Raw
Materials, VCI



Thor-Sten Vertmann

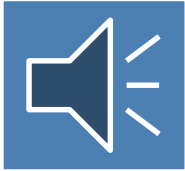
Member of Cabinet
Commissioner Kadri
Simson



Doreen Fedrigo

Industrial Transformation
Policy Coordinator, CAN
Europe

Notes on the course of the webinar



All participants are in listener mode



During the webinar you can download the current presentation



Questions can be entered throughout the webinar in the question field for the Q & A session at the end.



Presentation and recording will be available for download at www.vci.de

The screenshot shows the audio control panel of a webinar. The top section is titled 'Audio' and includes a 'Sound Check' indicator. Below this, there are three radio button options: 'Computer-Audio' (selected), 'Telefonanruf', and 'Kein Audio'. A red box highlights a status indicator that says 'STUMMGESCHALTET' (muted) with a red slash over a speaker icon, and a dropdown menu labeled 'Remoteaudio'. Below this is a volume slider and another 'Remoteaudio' dropdown. The speaker is identified as 'Sprecher: Berthold Welling'. The bottom section, also highlighted with a red box, is titled 'Unterlagen: 1' and contains a list item 'Webinar_Präsentation .T...'. Below this is a 'Fragen' (Questions) section with a text input field containing the placeholder '[Frage an Mitarbeiter eingeben]' and a 'Senden' button.

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Reaction by CAN

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Q & A Session



VCI Chemical Roadmap 2050

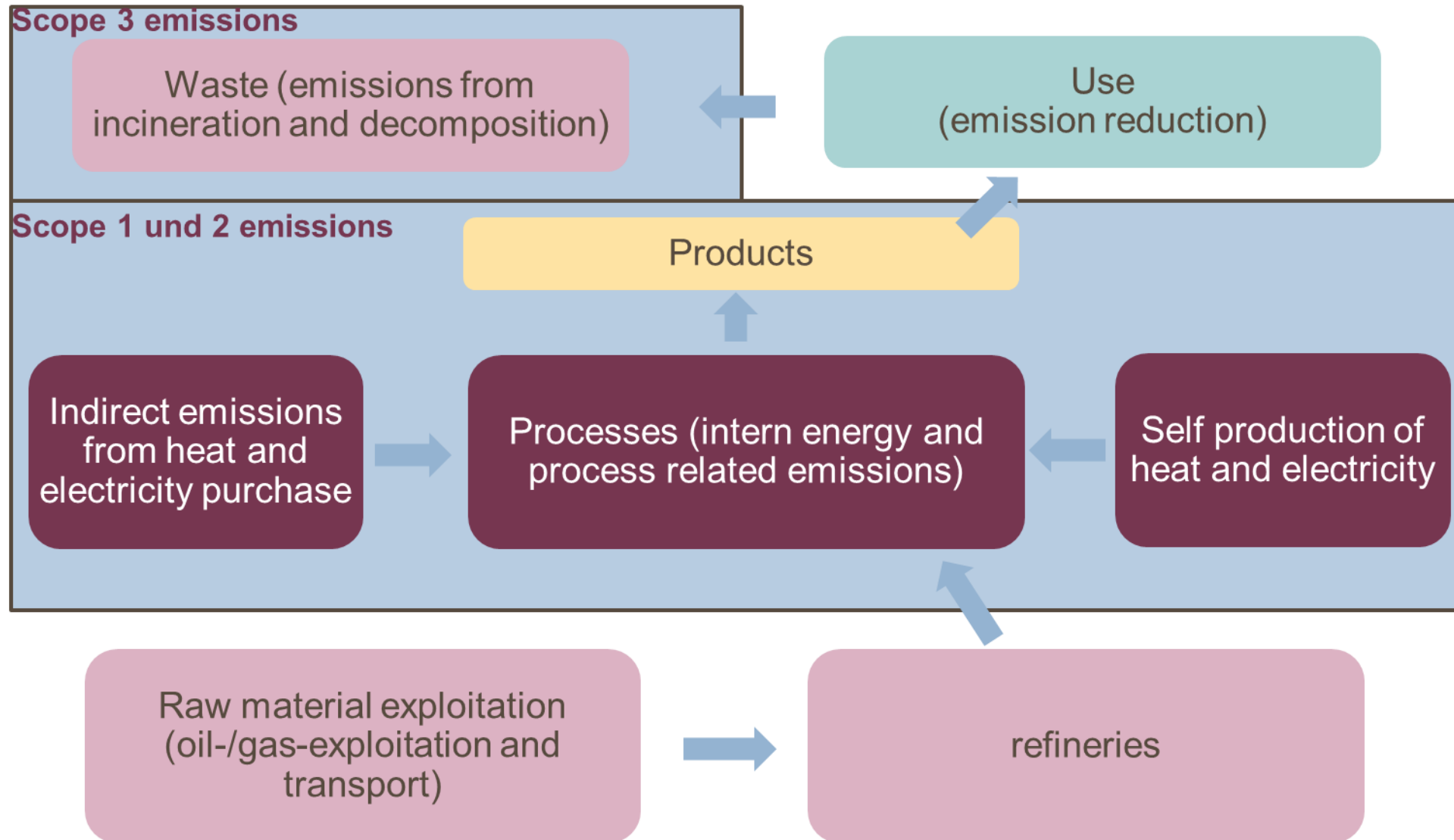
Jörg Rothermel, Head of Department Energy, Climate Protection
and Raw Materials, VCI



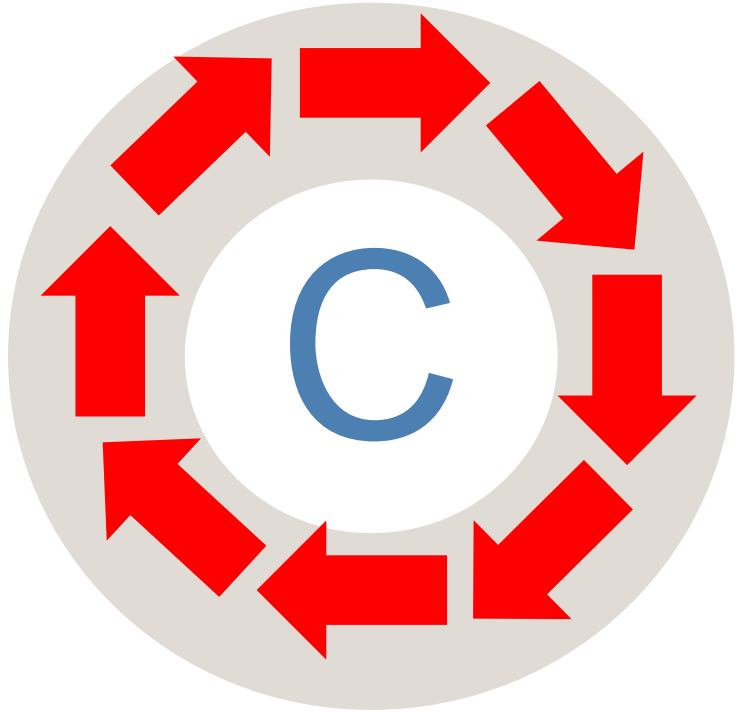
Background

- Chemical industry is providing solutions
- Political target of GHG-neutrality until 2050 in Germany and Europe is fixed
- Chemical industry is responsible for a significant amount of GHG emissions
- Chemical industry is committed to produce in Germany and Europe also in the future
- Production in the same range (as today) in 2050 will only be possible if the chemical industry itself will be GHG-neutral
- Questions in the study:
 - Is a GHG-neutral chemical industry (until 2050) technologically possible?
 - What about economy?
 - Which framework is necessary?

Scope of emissions



Which Technologies will play a role

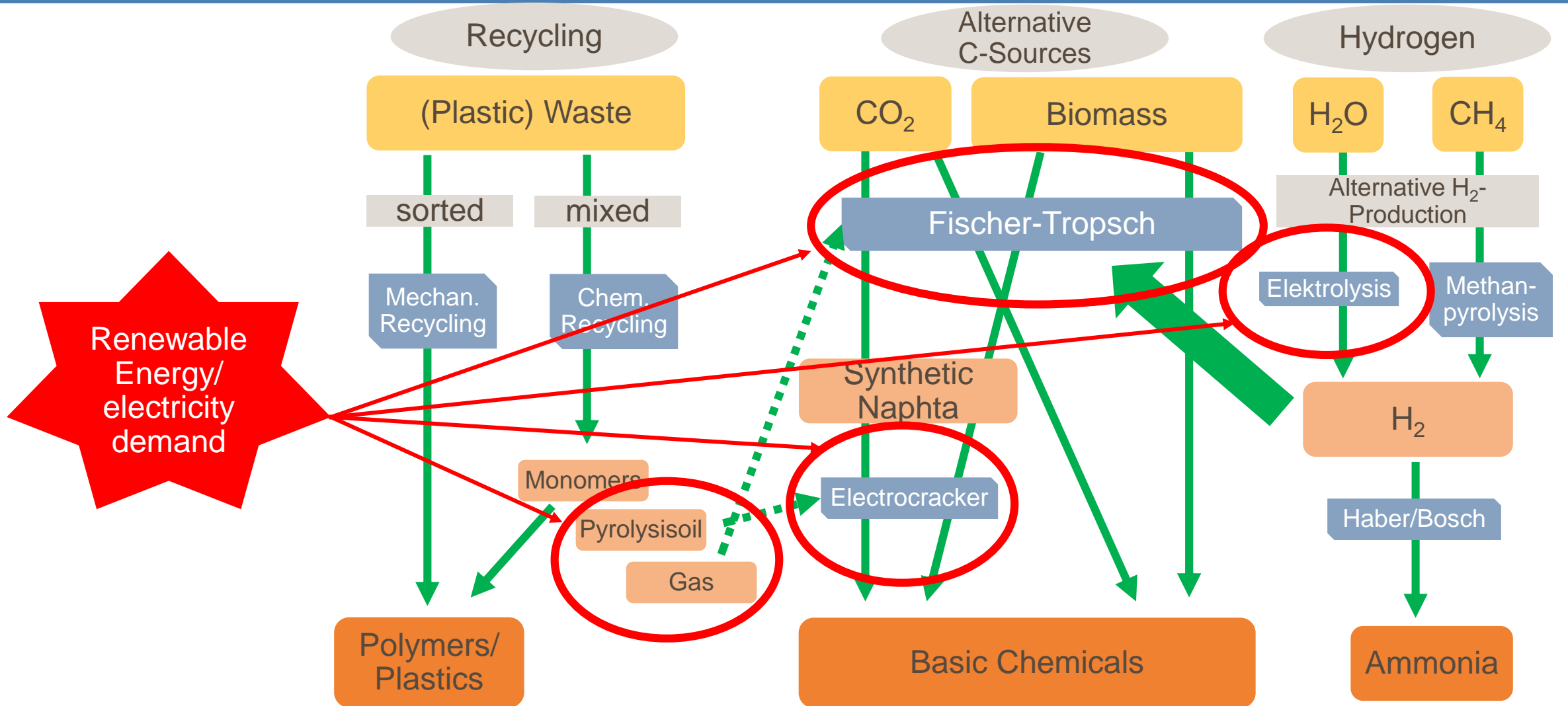


Key role of
circular economy
with circulation
of carbon

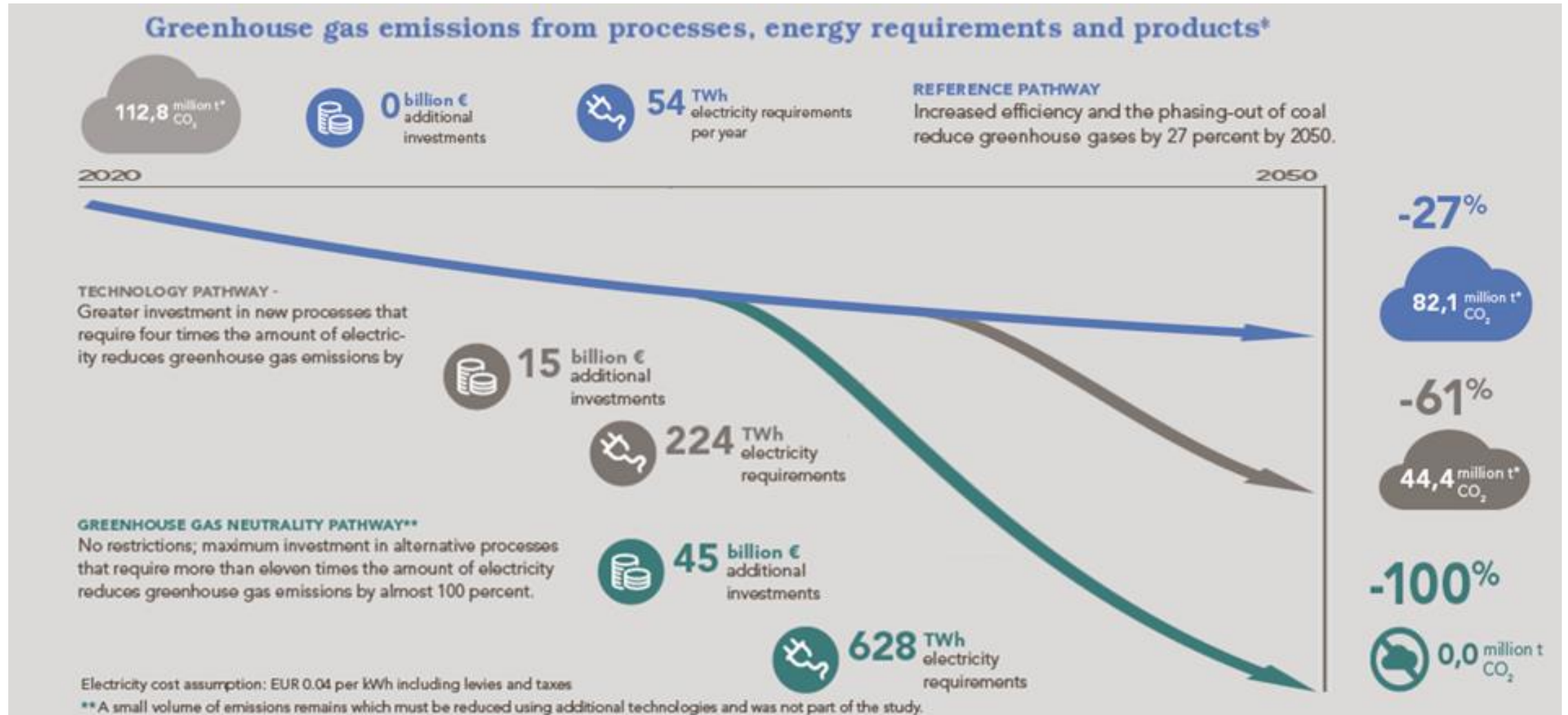


Electrification and covering of the
increased energy demand
by renewable electricity

Technologies



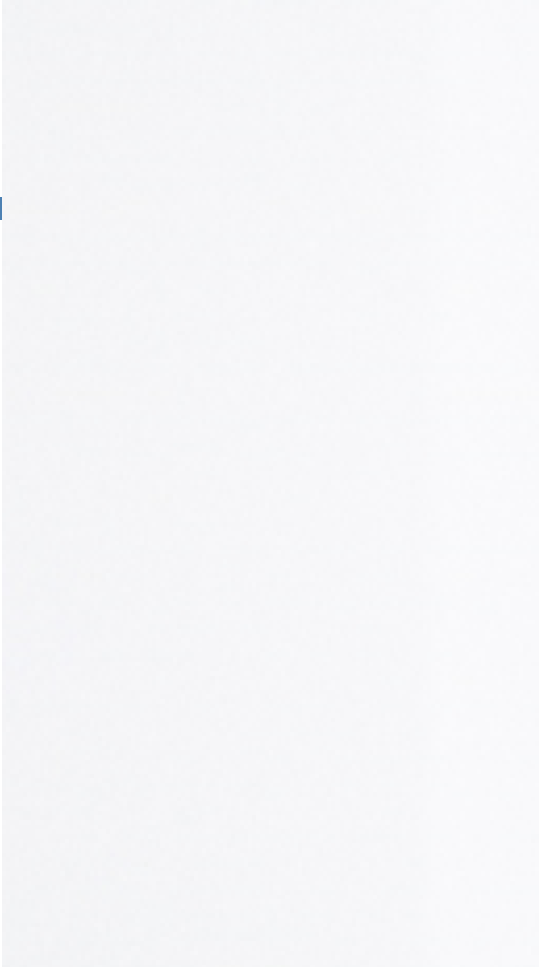
Results





How to satisfy energy demand in 2050? The European Commissions approach

Thor-Sten Vertmann, Member of Cabinet Commissioner Kadri Simson



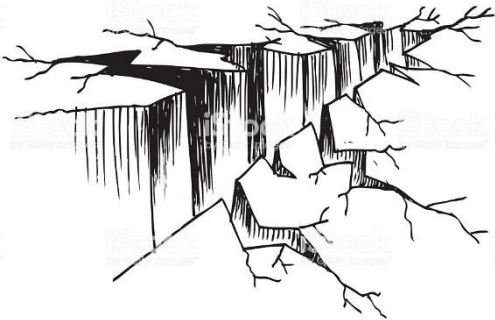
Reaction by Climate Action Network (CAN)

Doreen Fedrigo, Industrial Transformation Policy Coordinator, CAN Europe

Chemicals industry in the 21st century

- ▶ Chemicals are problematic: fossil-based, energy-intensive, polluting, negative impacts on human health and the environment, plastics, PBTs/CMRs/EDs/'forever'chemicals (existing safer alternatives), barrier to clean circular economy
- ▶ Lack of transparency: What is where? Downstream users/final product manufacturers don't know what is in their products – how do you manage what you do not know? SDS limits, REACH resistance and paradigm shift

COVID-19



Recovery / renewal

- **Not returning to pre-COVID-19 situation**
- **Public funds must have 'green' strings attached**
- **Address crises: climate, biodiversity, unsustainable production and consumption patterns**
- **Bending the curves of the 'great acceleration' (mid-1950s) – 'safe operating spaces'**
- **Efficiency => resilience, adaptivity, restoring**

What do we expect from your sector?

- ▶ Clean product portfolios – NGOs will (continue to) expose you!
- ▶ Green chemistry - green engineering (REACH/Chemicals Strategy for Sustainability – future Ecodesign Directive+)
- ▶ Safe by Design / Circular Economy
- ▶ Stop greenwashing – be honest about your challenges (bio-based appropriateness? chemical recycling/'renewable carbon'?)
- ▶ Transformative tools?: Chemicals Strategy for Sustainability? 2030 climate target? EU MFF & Recovery Plan? FR-DE Initiative for European Recovery? Industrial Forum? getting the price right (ETS, CBA)? 100% renewable energy system, hydrogen,



Greenhouse gas-neutral chemistry is technically feasible

9. October 2019 | Pressemitteilung 1 Download(s)

The German chemical industry can almost completely reduce its greenhouse gas emissions by the middle of the century – with the help of new production technologies.





Press Releases

Moment of truth for EU as over one million people and 100 NGOs call for green, healthy and just recovery

☰ Category: Press Releases

🕒 Published: 14 May 2020

Thank you for your attention

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CAN Europe

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CAN Europe positions:

- Industrial Transformation
- Urgency Plan for the Climate and Economic Recovery
- All positions
- *To come: PAC (Paris Agreement Compatible) Scenario report, hydrogen position paper*



Q & A Session

Moderation by Roland Kube, Senior Economist, IW

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Thank you for your attention