

VISION AND PRINCIPLES FOR CONSUMER CENTRIC CHEMICAL RECYCLING DEVELOPMENT

ISCC PLUS Technical Stakeholder Meeting – Circular Economy and
Bioeconomy

Tues, 14 June 2022

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Content

- **What is the Consumer Goods Forum and the Plastic Waste Coalition of Action?**

- **What is our vision and principles for the development of chemical recycling?**

- **Why is this relevant for certification?**

THE CGF PLASTIC WASTE COALITION OF ACTION (PWCOA) IS A CEO-LED COLLABORATION BETWEEN 40 MANUFACTURERS AND RETAILERS, TO LEAD BOLD ACTIONS ON PLASTIC WASTE AND IMPLEMENTATION ON THE NPE GLOBAL COMMITMENT



THE RECIPE FOR OUR INDUSTRY: LESS PLASTIC, BETTER PLASTIC, BETTER SYSTEM

OUR RESPONSIBILITY

- 1 LESS PLASTIC:** AVOID UNNECESSARY USE
- 2 BETTER PLASTIC:** RECYCLABLE AND USING RECYCLED CONTENT
- 3 BETTER SYSTEM:** SUPPORTING EFFECTIVE REUSE AND RECYCLING SYSTEM



OUR WORK

- 1 DESIGN:** DEVELOPMENT OF GOLDEN DESIGN RULES
- 2 EXTENDED PRODUCER RESPONSIBILITY:** PUBLICATION OF POSITION PAPER ON ECOMODULATION
- 3 CHEMICAL RECYCLING:** PUBLICATION OF VISION AND PRINCIPLES AND LCA

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CHEMICAL RECYCLING IS THE ONLY WAY TO MEET HIGH DEMAND FOR FOOD GRADE RECYCLED CONTENT BY 2030 AND SUPPORT EXISTING COMMITMENTS AND TARGETS

22 CGF members surveyed

780,000 tonnes per year of estimated aggregated demand of chemically recycled PE/PP (of which 680,00 tonnes of food grade)

60-70 new medium-sized chemical recycling plants

IN APRIL 2022, WE PUBLISHED OUR VISION AND PRINCIPLES FOR THE DEVELOPMENT OF CHEMICAL RECYCLING



The vision: To increase recycling rates, by providing a complementary recycling “loop” for plastics that are not recycled in practice and at scale in today’s system

The principles:



Source of input materials is not diverted away from mechanical recycling



Chemically recycled content is **accurately traced** through credible mass balance protocol



Yields being maximised to **plastic-to-plastic** conversion process



Life cycle climate impact is lower than fossil fuel-based virgin plastics



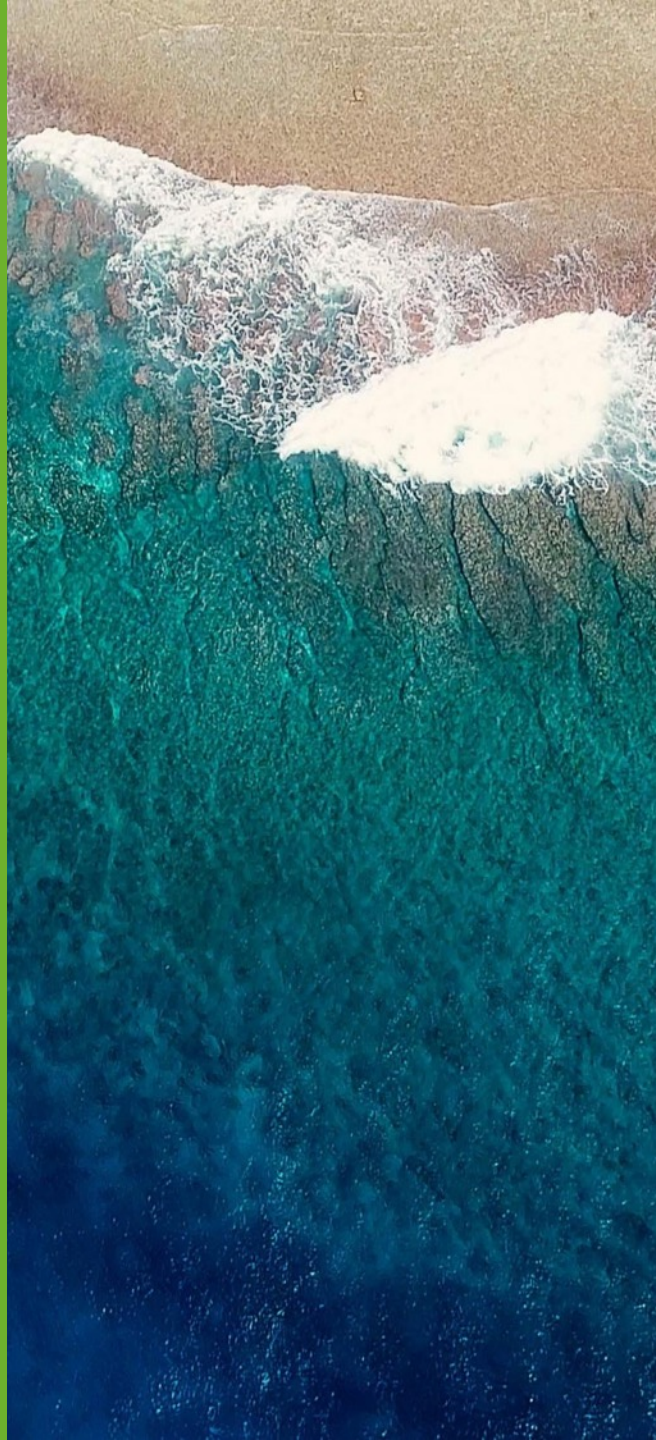
Health and safety from processes are properly managed



Claims are communicated **credibly and transparently**

ENDORSED BY 16 MEMBERS FROM ACROSS THE VALUE CHAIN





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CERTIFICATION HAS A KEY ROLE TO PLAY IN SAFEGUARDING THE CREDIBILITY OF CHEMICALLY RECYCLED MATERIAL

Certification allows us as customers to provide ...

SAFE

CREDIBLE


**ENVIRONMENTALLY
SOUND**

ETHICAL

... chemically recycled material to the consumers

CGF MEMBERS ARE READY TO COLLABORATE TO CONTINUE TO STRENGTHEN CERTIFICATION SCHEMES BY 2025

Shared position of co-author companies on the proposed goals for the chemical recycling value chain and certification schemes, by 2025



Source of Input materials

- Implementing robust systems and processes to **ensure that waste plastic input materials for chemical recycling do not include material that can be economically recycled by mechanical recycling** in practice and at scale



Material Traceability

- Continued integrity and robust defense against double counting.
- **Only counting feedstock carbon and not energy carbon** in the allocation of feedstocks to material outputs in a mass balance protocol.
- Provide **transparent reporting** on the approach that is taken to physical connection in a mass balance protocol, so that companies purchasing plastics produced by chemical recycling can make informed decisions.



Process Yields

- Set a **minimum threshold for the end-to-end yield** (plastic waste to recycled materials or chemicals), using a consistent definition / methodology



Environmental Impact

- Demonstrate that **GHG emissions** associated with the production of chemically recycled plastic (using a consistent definition / methodology) **are lower** compared to fossil fuel-based virgin plastics in a comparable system (using a consistent definition / methodology)



Health and Safety

- Maintain continued **high attention on health and safety** of the pyrolysis process

THANK YOU



Plastic
Waste