THE RENEWABLE CARBON INITIATIVE

Shape the future of the chemical and material industry

RENEWABLE CARBON INITIATIVE

LARGE SUPPLIERS

BRANDS

START-UPS

RESEARCH INSTITUTES

PARTNERS

SME

WELCOME TO THE RENEWABLE CARBON INITIATIVE

RCI is an organization for all companies working in and on renewable chemicals and materials – plastics, composites, fibres and other products can be produced either from biomass, directly via CO2 utilisation, or recycling. RCI members profit from a unique network of pioneers in the sustainable chemical industry, creating a common voice for the renewable carbon economy.

To officially represent the RCI in Brussels, the RCI is registered in the EU’s transparency register under the number 683033243622-34.

JOIN NOW

Become a part of the Renewable Carbon Initiative (RCI) and shape the future of the chemical and material industry

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JOIN NOW

www.renewable-carbon-initiative.com
#RenewableCarbon
www.linkedin.com/showcase/renewable-carbon-initiative

WHY JOIN RCI?

www.nova-institute.eu
The aim of the Renewable Carbon Initiative (RCI) is to support and speed up the transition from fossil carbon to renewable carbon for all organic chemicals and materials. RCI addresses the core problem of climate change, which is extracting and using additional fossil carbon from the ground that will eventually end up in the atmosphere. Companies are encouraged to focus on phasing out fossil resources and to use renewable carbon instead.

The initiative wants to drive this message, initiating further actions by bringing stakeholders together, providing information and shaping policy to strive for a climate-neutral circular economy.

Fossil carbon shall be completely substituted by renewable carbon, which is carbon from alternative sources: biomass, CO2 and recycling.

RCI offers its members

Advocacy
RCI drives the message of renewable carbon, prepares position papers on relevant aspects and represents its stakeholders to the public and political decision-makers.

Reports and Papers
Science-based reports and papers on the concept of renewable carbon and specific aspects to create solid argumentation in favor of the transformation.

Networking
Nobody can do it alone! Together with other RCI members you will create an eco-system for renewable carbon solutions – the renewable carbon community. All RCI members meet twice a year, once in person, once online.

Shaping the initiative
Members actively shape the direction of the initiative and the renewable carbon strategy.

Working Groups
Members are actively involved in RCI activities via different working groups. Currently, these are “Policy”, “Labeling”, “Recycling” and “Sustainability”.

Visibility
Members are part of the RCI communication activities and therefore highly visible and convey credibility. Get recognised as a pioneer in the transition to renewable carbon.

RENEWABLE CARBON

Renewable Carbon are all carbon sources above the ground, carbon in the atmosphere, biosphere, and technosphere – but not from the geosphere. Renewable Carbon circulates between biosphere, atmosphere or technosphere, creating sustainable carbon cycles. In contrast, fossil carbon is the carbon below the ground.

The equivalent to decarbonisation in the energy sector is defossilisation – a transition to renewable carbon in the chemical and materials industries. Decarbonisation is not an option for the chemical industry which is entirely based on carbon, therefore, defossilisation is key.

ABOUT RENEWABLE CARBON
Almost three quarter of man-made GHG emissions are directly related to additional fossil carbon that has been extracted from the ground. Decarbonisation is a good strategy for the energy and transport sectors, but strictly speaking not feasible for chemicals and materials, because most of them are based on carbon. On the opposite, there is a lasting and even increasing need for carbon for chemicals and materials.

The key challenge is therefore to replace fossil carbon by alternative carbon sources to de-fossilise chemicals and materials. Those alternative carbon sources are biomass, CO2, and recycling of carbon-containing waste streams (bio and plastic waste). We call these alternative carbon sources “renewable carbon”.

THE DEFINITION
Renewable Carbon entails all carbon sources that avoid or substitute the use of any additional fossil carbon from the geosphere.

THE AIM
The aim of the Renewable Carbon Initiative (RCI) is to support and speed up the transition from fossil carbon to renewable carbon for all organic chemicals and materials.

RCI addresses the core problem of climate change, which is extracting and using additional fossil carbon from the ground that will eventually end up in the atmosphere. Companies are encouraged to focus on phasing out fossil resources and to use renewable carbon instead.

The initiative wants to drive this message, initiating further actions by bringing stakeholders together, providing information and shaping policy to strive for a climate-neutral circular economy.

THE VISION
Fossil carbon shall be completely substituted by renewable carbon, which is carbon from alternative sources: biomass, CO2, and recycling.

RCI OFFERS ITS MEMBERS

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THE RENEWABLE CARBON INITIATIVE

ADMINSRATIVE OFFICE

nova-Institute

• Initiator and scientific backbone
• Organisation, management and coordination of RCI

MEMBERS

Board
• Strategic direction
• Budget allocation
• Highly active
• Max. 20 members

General assembly
• 2–3 main representatives per member
• Identify / define priorities of RCI
• Decide on future projects

PARTNERS

• Support and promote each other
• Advise on specific topics

ACTIVITIES

Advisory
• Scientific background reports

Position papers
• Networking

WG Labelling - Involvement of all interested members

• Development of a renewable carbon share (RCS) certificate and label

WG Policy

• Position papers
• Factsheets
• Stakeholder dialogues
• Public consultations of regulations

WG Recycling

• Chemical and mechanical recycling
• Position papers
• Strategic reports

WG Sustainability

• Deep understanding and harmonisation of sustainability assessment and reporting
• Position papers
• Strategic reports

RENEWABLE CARBON