nova-Institut GmbH
Leyboldstraße 16
50354 Hürth, Germany

Tel: +49 2233 460 14 00
Fax +49 2233 460 14 01
contact@nova-institut.de

nova-Institut GmbH (www.nova-institute.eu)

PRESS RELEASE

The nova-Institute Establishes new Renewable Feedstock Department to Lay the Groundwork for Industrial Defossilisation

This strategic expansion is designed to address the critical challenges and opportunities involved in sustainably sourcing renewable carbon for the chemical and materials industries.

Hürth, 3 March 2026: The transition from fossil-based to renewable carbon – sourced from biomass, CO_2 utilisation and recycling – is the cornerstone of a climate-neutral chemical industry. The nova-Institute's new department is dedicated to providing the essential data, analyses and strategic roadmaps required to secure a reliable future feedstock supply and make this transition a commercial and ecological reality.

A Holistic Approach to the Carbon Feedstock Revolution

The Renewable Feedstock department will offer comprehensive services covering the entire value chain, including:

- **Feedstock Supply & Analysis:** Assessing the global and regional availability of all renewable carbon streams to build a robust foundation for the industry. This includes detailed potential analyses of biomass (sugar crops, starch crops, plant oils, lignocellulose, organic waste), CO_2 sources (biogenic and fossil point sources, Direct Air Capture), and recycled carbon (plastic waste, biogenic waste, municipal solid waste).
- **Market and system transformation:** Conducting Material & Carbon Flow Analysis (MFA) to map the carbon economy, alongside market and cost analysis for renewable feedstocks and derived chemicals. A key service are feedstock transition & transformation pathways from specific feedstocks to key chemicals and polymers, supported by technology and innovation scouting for emerging conversion processes.
- **Strategic advisory services for supply chain resilience:** Providing actionable insights on feedstock demand & competition, strategic sourcing, and comprehensive carbon footprint and sustainability assessments for feedstocks.To complete the holistic picture, additional support in regards to policy & regulatory impact analysis and guidance on certification of feedstocks to navigate the evolving legislative landscape.

"The mission of the renewable feedstock department is to shift the focus from 'why' to 'how', providing the concrete feedstock intelligence that businesses and policymakers urgently require to make significant strides towards defossilisation." says Christopher vom Berg, Head of the Renewable Feedstock department.

The new department brings together a multidisciplinary team that combines deep scientific and economic expertise. It consists of physicist and nova-Institute founder Michael Carus, biologist Anke Schwarzenberger, agricultural economist Olaf Porc, and psychologist Verena Roberts, ensuring that the department's work is rooted in both technical rigour and an understanding of market dynamics.

For more information, please contact Christopher vom Berg, Head of the Renewable Feedstock Department: christopher.vomberg@nova-institut.de

Find all nova press releases, images and more free-for-press material at https://nova-institute.eu/news/pr/

Responsible for the content under German press law (V. i. S. d. P.):

Dr. Lars Börger (CEO)
nova-Institut für politische und ökologische Innovation GmbH

Leyboldstraße 16 Tel: +49 2233 460 14 00
50354 Hürth Fax +49 2233 460 14 01
Germany contact@nova-institut.de

Since the mid-1990s, the nova-Institute has been dedicated to sustainability and today focuses primarily on renewable carbon cycles. As an independent research institute, it supports companies – particularly from the chemical, plastics, and materials industries – in the use of renewable carbon derived from biomass, direct CO_2 utilisation (CCU), and recycling.

With a multidisciplinary team of scientists, the nova-Institute participates in international innovation projects and provides science-based management consulting. The institute follows a holistic approach: its experts analyse which technologies and raw materials are suitable for specific products, in which markets their application is feasible, which regulatory frameworks apply, how sustainable the solutions are, and how they can be successfully positioned in the market.

Based on these analyses, the team develops tailored strategies to support the transformation from fossil to renewable carbon. Around 50 experts from various disciplines work together to drive the defossilisation of industry – for a climate-neutral future.

More information: **www.nova-institute.eu – www.renewable-carbon.eu**

Subscribe to our newsletter: **https://renewable-carbon.eu/newsletters**
Comprehensive reports and free graphics available at: **https://renewable-carbon.eu/publications**