

DRAFT Abstract: Renewable Materials Conference

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Cargill as a Key Enabler of Europe's Circular Bioeconomy Through Integrated Biorefineries

Integrated circular biorefineries, such as those operated by **Cargill**, are a key enabler of Europe's transition towards sustainable consumption and production. They support circularity, innovation, industrial scale-up, and the global competitiveness of the EU bioeconomy. To fully realize this potential, a coherent and enabling **biorefinery policy framework** is required across sectors and along multiple, interconnected levers.

In agriculture, appropriate incentives must support farmers in producing sustainably and profitably, including the valorization of side streams and residues, as well as the strategic use of primary agricultural biomass for **high-value biobased chemicals and materials**, without undermining food security. Competitive biorefineries also require access to affordable and reliable renewable energy to mitigate high energy and carbon costs. Stable, predictable, and proportionate policies and financing mechanisms are essential to sustain CAPEX and OPEX investments and to stimulate market uptake. Establishing a **level playing field** between biobased and fossil-based products, including through market-pull measures, is equally critical. Finally, progress depends on strong collaboration across the value chain and with policymakers, as scaling innovation requires coordinated, multi-stakeholder partnerships.

Cargill offers a broad portfolio of **first-** and **second-generation** streams, highlighted in today's short presentation through selected examples. These starch- and carbohydrate-rich side streams enable multiple feedstock supply and co-location opportunities, further strengthening industry circularity.