Key Highlights:

- Deforestation Act in Europe & its impact on available feedstocks
- Sustainable Feedstocks availability, supply chain challenges, new materials, and products
- Innovative technology, cost competitiveness and efficient Processing Technologies transitioning to sustainable feedstocks
- Update on Biorefineries & Chemical Recycling Projects
- Mass balance approach to accelerate the use of renewable feedstocks in chemical production

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SCAN ME

Sustainable Feedstocks for the Future of CHEMICALS & PLASTICS

29 - 30 March 2023
Rotterdam, Netherlands

Decarbonisation and the search for sustainable feedstocks for the future of chemicals and plastics production is a top priority for the industry. In fact, most major players & consumer brands have set significant targets and pursuing novel approaches to reduce their carbon footprint across the value chain. In addition, regulators are also pushing for sustainability through initiatives such as the European Green Deal. Coupled with rising energy cost, there is an urgency to phase out fossil-based chemical feedstocks and transition to renewables and build up supplies of sustainable feedstocks. However, the main challenge is locating and securing alternative feedstocks.

There are limited sources of carbon in a world without fossil fuels: CO2 capture, recycled materials, and bio-based renewables. However, by 2050, the amount of plastic produced globally is predicted to quadruple, from 400 to 1200 million tonnes. While bio-based chemicals are important, recycled plastics are estimated to make up to 750 million tonnes. Companies are racing to invest in new technology to utilise these sustainable feedstocks including carbon capture and utilization, biomass, corn, sugarcane, beet, industrial hemp, plastic waste stream, algae and many others. What problems does the chemical industry experience when processing alternative sustainable feedstocks?

Shell Chemicals Park Moerdijk Accelerates Transition To Become Net Zero Emissions And Produce More Sustainable Chemicals.
13/7/22, www.shell.com

TotalEnergies and Indaver sign an offtake agreement for petrochemical feedstock from advanced recycling. *13/10/22, www.indaver.com*
Eni starts exporting vegetable oil for biorefining from Kenya.
13/10/22, www.biodieselmagazine.com

Dow commits to accelerating the circular ecosystem by transforming waste and alternative feedstock to deliver 3 million metric tons per year of circular and renewable solutions by 2030. *17/10/22, www.corporate.dow.com*

CJ Biomaterials and NatureWorks work on developing new bioplastics.
15/11/22, www.ptonline.com

Mass balance serves as a practical path for industries such as chemicals and plastics to continuously transition to sustainability. However, there are numerous factors to consider when deciding how to implement the mass balance approach. Also, what are the key criteria when applying mass balance to ensure a verifiable and certified approach for companies willing to accelerate the use of renewable feedstocks along the value chain.

Join **CMT's Sustainable Feedstocks for the Future of Chemicals and Plastics** in **Rotterdam** on **29 - 30 March 2023**. They will share insights on the various sustainable feedstocks technology innovations, sourcing model, progress & commercialization plans.

Contact grace@cmtsp.com.sg for registrations and information.