

## Renewable Bio-Aromatic Building Blocks: Biorizon Platforms Established, Time for Impact!

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Today, the majority of the commercial biobased building blocks is limited to aliphatic acids and alcohols. Since aromatics amount to 40% of the bulk chemicals market and are crucial in providing functionality to our everyday products, developing pathways towards renewable, biobased aromatic compounds is of strategic importance to answer to the aspiration of a sustainable chemical industry.

Shared Research Program Biorizon, an initiative of TNO and VITO, has the mission to enable commercial production of bio-aromatics. Since 2013, Biorizon works together with industrial partners to establish routes towards, and application of renewable bio-aromatic building blocks. Thereby, Biorizon brings increased valorization potential for biorefineries and economically attractive, locally produced renewable building blocks for the chemical industry.

In forthcoming presentation, insight will be given in how Biorizon established 3 technology platforms at kg/h-scale for the production of bio-aromatics: a robust thermochemical, a selective sugar based and a versatile lignin based platform. And, how Biorizon is ready to make impact with its latest developments: the launch of spin-off Relement, the installation of the PYRENA-PYPO and LignoValue pilots, and the founding of the Biorizon Application Center. Platforms established, time for impact!

