

# Biorizon

*The way to aromatics*

## The Profitable Way to Bio-Aromatics from Lignin

Do you want to contribute to a better world whilst staying ahead of the competition? Join our transition toward functionalized bio-aromatics. Shared Research Center Biorizon, powered by TNO, VITO, ECN and Green Chemistry Campus, works with partners to develop technologies to produce aromatics from biomass. This reduces dependence on petroleum, results in less CO<sub>2</sub> emission and offers profitable prospects.

► In Horizon 3 – from lignin to aromatics – Biorizon co-initiator VITO targets the development of technology for the isolation, depolymerization and fractionation of the lignin fraction of (waste) biomass into bio-aromatics. The technology results in different lignins, ranging from monomeric up to oligomeric mixtures. By matching the appropriate starting materials and depoly-

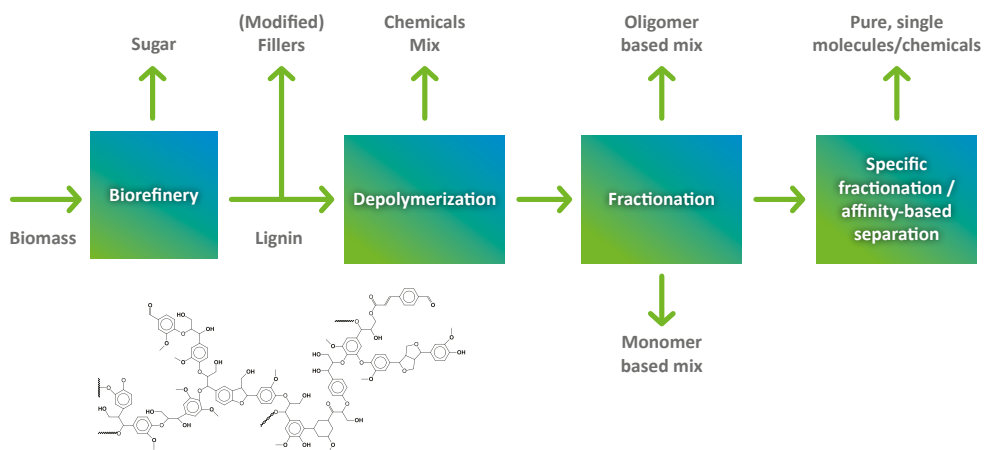
merization technology, a variety of bio-aromatics can be obtained. Horizon 3 targets aromatics with new functionalities that might lead to improved product properties. Samples of >200 gram can be supplied and current developments are aimed at achieving proof-of-concept at TRL5. Biorizon aims for piloting of the technology from 2020 onwards. Interested? Please contact us!



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## ► From Lignin to Aromatics



► Biorizon is powered by:

**TNO** innovation  
for life

 **vito**  
vision on technology

 **ECN**

 **GREEN  
CHEMISTRY  
CAMPUS**

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