

## **CarbonNext – New carbon sources for the process industry**

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The process industries and other crude oil consuming sectors are heavily dependent on fossil inputs for both carbon feedstock and energy, with the consequential CO<sub>2</sub> emission problems and import dependency as a result. To be prepared for a future with significantly reduced emissions they are seeking alternative carbon sources to replace traditional fossil fuels.

The objective of the CarbonNext project is to evaluate the potential use of CO<sub>2</sub>/CO and non-conventional fossil natural resources as feedstock for the process industry in Europe. The work will examine the existing and expected sources of CO<sub>2</sub> and CO as well as non-conventional fossil natural resources such as shale gas, tar sands, coal bed methane, gas to liquid, and coal to liquid technologies.

In the presentation, results of the project will be shown, which include the identification of value chains within processes and where industrial symbiosis can be valuable (chemistry, cement, steel, etc.). The CarbonNext project will inform, as a basis for decision-making, Europe's SME's, large industry and policymakers with an enhanced understanding of the impact and opportunities for new sources of carbon for the processing industry. CarbonNext will primarily focus on new sources of carbon as a feedstock and secondarily the impact on energy availability, price and emissions.

CarbonNext is a EU HORIZON 2020 funded project. DECHEMA is the coordinator of the projects, the University of Sheffield from the UK and Trinomics from the Netherlands are projects partners.