

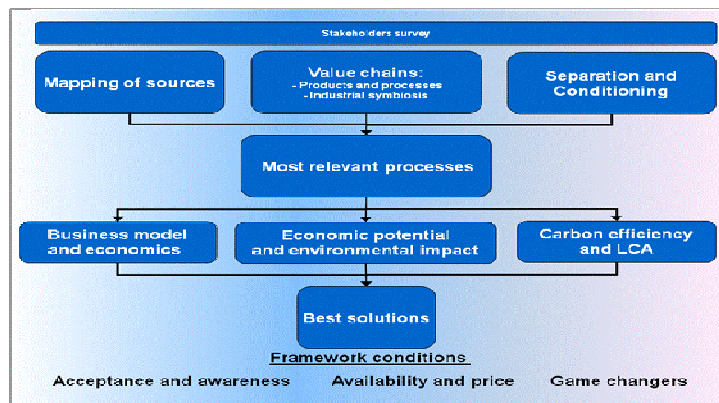
# CarbonNext ó New carbon sources for the process industry

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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 as feedstock for the process industry in Europe. In the presentation, results of the project will be shown, which include the mapping and evaluation of CO<sub>2</sub>/CO sources, the identification of value chains within processes and where industrial symbiosis can be valuable (chemistry, cement, steel, etc.). Furthermore, for a selection of the most promising processes, an analysis on business models and economics, environmental impact and carbon efficiency as well as on LCA will be shown.



The CarbonNext project will inform, as a basis for decision-making, Europe's SMEs, large industry and policymakers with an enhanced understanding of the impact and opportunities for new sources of carbon for the processing industry. 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.