

CO₂ - A Versatile Building Block for a Broad Range of Applications

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- CO₂ has become a valuable raw material for polyether polyols in a newly developed process supplying the polyurethane industry, that has been industrialized in the new Covestro demonstration plant
- CO₂ based polyether polyols found a platform for a broad range of applications. A recent development are new elastomer materials based on CO₂
- The new project Carbon4PUR for the use of flue gases – mixed CO₂/CO streams - will take the idea of valorization of these gases even further



Dr. Christoph Gürtler

Christoph Gürtler studied chemistry at the University of Bonn from 1987 to 1993 and obtained his PhD at the Technical University of Berlin in 1996.

After a postdoc at the Massachusetts Institute of Technology (MIT) he joined Bayer AG, Central Research department. After several positions in coatings research and business development he worked for the member of the board for research and development to develop a strategy for fundamental research and development for new processes and product with the means of open innovation. This led to the establishment of the CAT Catalytic Center jointly run with RWTH Aachen University which currently employs more than 20 young scientists.

Dr. Gürtler is currently heading a competence center in the field of process and product development dedicated to new catalytic processes.

He is holding more than 120 patents and is a member of the commission of the German society for catalysis (GeCats).