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Chemical Processes and Use of CO₂ Technologies for Sustainability and Climate Protection



RESEARCH

Igniting ideas!

Supporting Technologies for Sustainability

„Technologies for Sustainability and Climate Protection – Chemical Processes and Use of CO₂“ is a funding activity under the „Research for Sustainable Development“ framework programme of the German Federal Ministry of Education and Research (BMBF).

This activity contributes substantially to the Federal Government's Sustainability Strategy and its High-Tech Strategy for Germany.



Objectives of the Funding Activity

The activity aims to support research for the development of sustainable technologies, new products and innovative processes which contribute to

- Expanding the raw materials base by using CO₂ (instead of crude oil) or
- Increasing energy efficiency and reducing CO₂ emissions.

This contributes to achieving the following general goals:

- Lowering dependence on crude oil and natural gas
- Using CO₂ as a raw material
- Doubling energy productivity by 2020
- Reducing CO₂ emissions by up to 40% by 2020

The chemical industry is the first link in a number of value added chains. Increasing production efficiency in this sector will benefit all production processes and products at later stages.

The funding activity thus supports science and industry in developing and testing innovative technologies and processes with the aim of promoting structural change: In the longer term, economic activities must be based on renewable and alternative materials rather than on oil and coal in order to ensure the sustainability of the German economy.



Recipients of Funding

Scientific institutions and commercial companies carrying out cooperative research projects are eligible for funding. Funding is also provided for a number of research groups (post-docs).

The BMBF is providing up to €100 million (2009-2015) to support these activities.



Further information on the funding activity, the projects and interesting events can be found at:

www.chemieundco2.de