

The abatement of CO₂ emissions from industry processes is recognised as a key challenge for achieving carbon neutrality by 2050. With regard to CO₂ reduction in the clinker production process, it is now widely acknowledged that the abatement of process-related CO₂ emissions will require the capturing and sequestration or utilisation of CO₂ from cement plants. Against this background the cement industry and research partners have investigated different options for capturing CO₂ from cement flue gases. During the past three years carbon capture options for the cement and lime industry have been further developed in the ACT-funded international research projects AC²OCem and ANICA.

In the ANICA project (Advanced Indirectly Heated Calcium Looping Process), efficient concepts for CO₂ capture in cement and lime production plants by means of indirect heating have been developed (<https://act-anica.eu/>). The AC²OCem project (Accelerating Carbon Capture using Oxyfuel technology in Cement production) focussed on the further development of oxyfuel technology and its retrofitability (<https://ac2ocem.eu-projects.de/ACO-Cem/General-Overview>)

The consortia of AC²OCem and ANICA projects invite all interested people to a public workshop on carbon capture technologies organized by VDZ on 7th and 8th of March 2023. Within this workshop results from both projects as well as lighthouse projects in the cement industry will be presented and discussed. The detailed agenda will be published shortly.

The workshop will be held in English and is free of charge. It will be organised as a hybrid event, allowing participation in person at VDZ's research institute in Duesseldorf or online.