

Alliance asks new cabinet for policy framework for CCU:

"stimulate the circular use of CO2 in plants, soil and products"

The Hague, 7 June 2021 - With a Manifesto, the newly founded CCU Alliance urges the new cabinet to provide more opportunities for the reuse of CO2. CCU stands for Carbon Capture and Utilization: it captures CO2 in new applications. This is in line with CCS, which stands for 'storage' of CO2. Because of its contribution to climate targets, research and subsidy programmes for CCS have already started; however, developments to reuse CO2 as a raw material lack regulatory frameworks, accounting systems and financial instruments. A new government would do well to stimulate CO2 sequestration as well as CO2 storage.

The CCU Alliance was founded by ARN, Glastuinbouw Nederland, Green Minerals, NOGEPa, SCW Systems, STERCORE, Synkero, OCAP, Twence and the Dutch Waste Management Association and is chaired by former parliamentarian Marieke van der Werf. Because the use of CO2 as a raw material is the final link in the carbon cycle, they see CCU as an important contribution to both the energy transition and the transition to a circular economy. And as a promising development, because the application possibilities of CO2 are countless. It is already being used as a feedstock for plants; as a soil improver that contributes to biodiversity; as synthetic fuel for aviation, among others; as green carbon for the chemical industry and as a raw material for building materials such as concrete, cement and paper. If the CO2 originates from a biogenic feedstock, the reuse of CO2 even means negative emissions. Parties in the carbon chain, from the large emitters to the users of CO2 and those who buy products that embed CO2, face a lack of clarity and incentives. Is CO2 a raw material or waste material; which party in the chain can claim the use as CO2 reduction; which SDE++ category applies; how is the CO2 reduction of the various applications calculated; how is the sequestration of biogenic CO2 valued; how is the market stimulated to use CO2 as a raw material, etc.?

For further development of technology and applications, it is necessary that the government develops a vision and policy framework for CCU. Key elements of this are the development of a calculation model for the various applications of CO2 and the realisation of a robust incentive framework. The Alliance advocates a Route Map and with its Manifesto calls on the new coalition to "optimise existing and explore new financial and policy instruments that support the use of CO2 as a feedstock".

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More information

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