

Scientific Opinion on

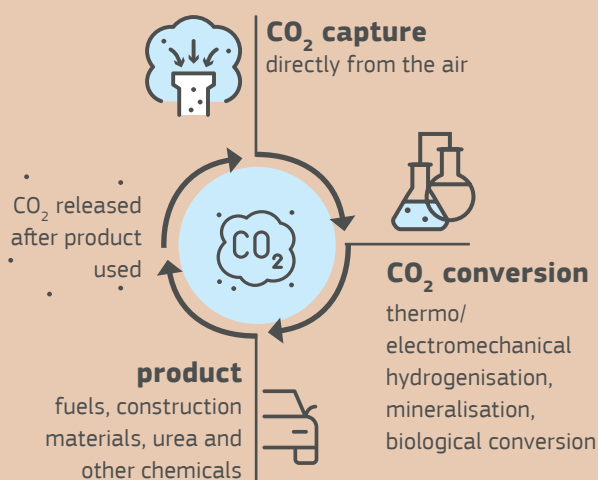
carbon capture and utilisation technologies

May 2018

Issue

Increasing concentrations of CO₂ in the atmosphere accelerate global warming

Potential solution



Main challenges

- Collection and purification of atmospheric CO₂
- Dependency on renewable energy sources
- Energy inefficiency

What is the potential of carbon capture and utilisation technologies to mitigate climate change?

Recommendations



Develop a **methodology** to calculate the climate mitigation **potential** of these technologies



Define **eligibility criteria** for funding technological projects
i.e. required energy has low-carbon origin



Develop a **European regulatory** and **investment framework** for the application of these technologies

Impact

Carbon capture and utilisation technologies projects are eligible for funding under the Innovation Fund

This is a summary of a scientific opinion by the **Group of Chief Scientific Advisors**,

an Independent expert group providing high-quality and timely scientific advice to the European Commission, to inform European Union policies and legislation, and informed by SAPEA evidence review reports.

Read the full report here.

ec.europa.eu/research/sam