



NEGATIVE EMISSIONS PLATFORM

**Certification of carbon removals:
the first step towards an EU market mechanism for negative emissions**

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Certification of carbon removals: the first step towards an EU market mechanism for negative emissions



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Q&A session



Q&A session and conclusions



The below definition should be used for all proposed forms of Carbon Dioxide Removal

1

Carbon dioxide is physically removed from the atmosphere.

2

The removed carbon dioxide is stored out of the atmosphere in a manner intended to be permanent.

3

Upstream and downstream GHG emissions, associated with the removal and storage process, are comprehensively estimated and included in the emission balance.

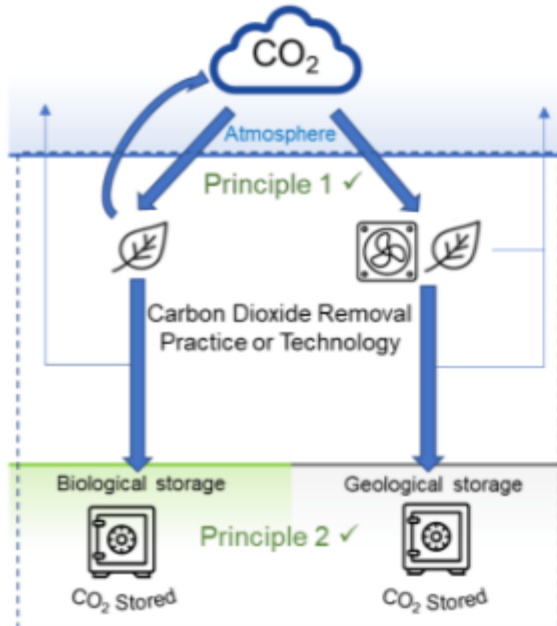
4

The total quantity of atmospheric carbon dioxide removed and permanently stored is greater than the total quantity of carbon dioxide equivalent emitted to the atmosphere

Examples of processes that represent Carbon Dioxide Removal

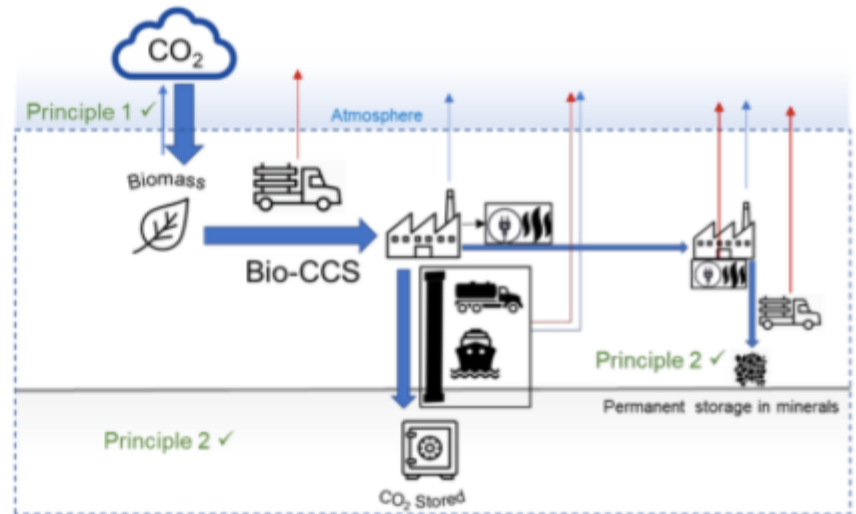
1

Generic CDR process



2

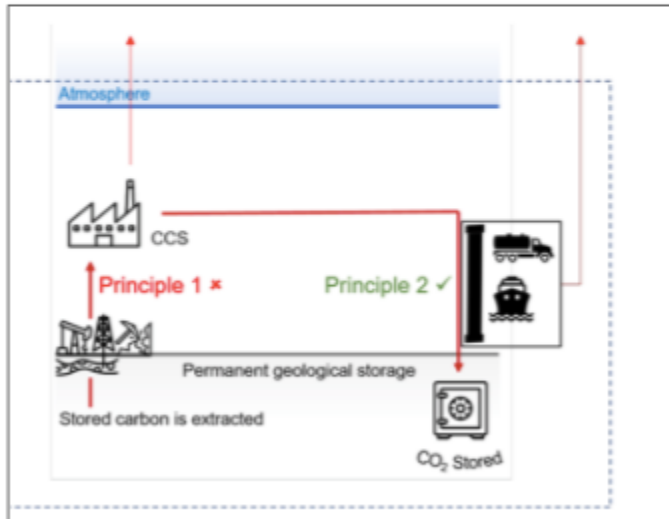
Mineralisation of captured CO₂ in long-lived materials



Examples of processes that do not represent Carbon Dioxide Removal

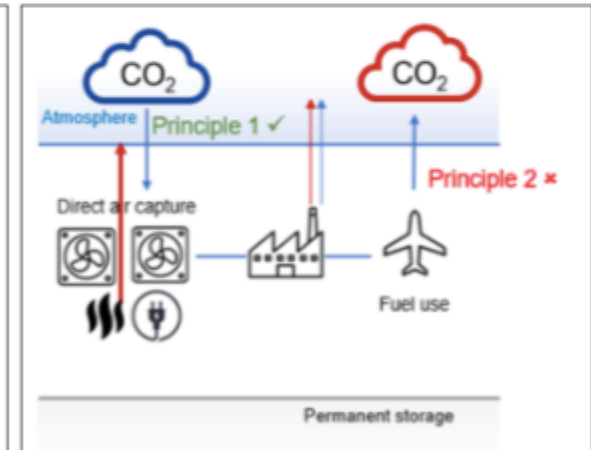
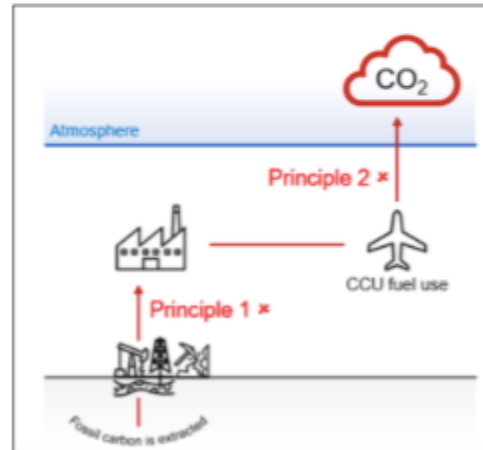
1

Carbon Capture and Storage (CCS) from fossil fuels



2

DAC-to-fuels is not a CDR, but a circular carbon method. Fossil CO₂ utilisation-to-fuels results in an increase in carbon dioxide in the atmosphere.





Clear separation between emission reduction methods (such as CCS) and CDR methods will be key in setting up adequate incentives through a number of policy measures

1

Tax credits - example of the US 45Q where the value of credit should be set higher for DAC than for point source capture and storage.

2

CfDs /service contracts - tailored differently for CCS, BECCS and DACS.

3

GHG methodology used for RFNBO/REDII should attach higher value to air-capture CO₂ vs. point source CO₂. A separate stream for CDR technologies in Innovation Fund should be added.

4

Potential **CTBO scheme** could consist of two separate streams to mandate emission reduction via CCS and permanent carbon removals via DACS, BECCS, mineralisation and biochar.

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