

# CCSA Carbon Capture & Utilisation (CCU) Task Subgroup

18/12/2024  
10:00 (GMT)  
11:00 (CET)



# Agenda

	Time (GMT)	Time (CET)	Topic	Speaker
1.	10:00	11:00	<b>Introduction &amp; CCSA competition law policy notice</b>	CCSA Secretariat
2.	10:05	11:05	<b>Discussion &amp; Finalisation of UK CCU Position Paper Update</b>	All
3.	11:05	12:05	<b>EU CCU Position Paper</b>	CCSA Secretariat
4.	11:20	12:20	<b>AOB &amp; next steps</b>	CCSA Secretariat

# House keeping & Introductions

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- Slides & Recording will be available for members after the meeting.
- CCSA Competition Law Policy notice is attached to the meeting invite and available on the CCSA website.
- If you are not speaking, please mute your microphone.
- Please **raise your hand** if you wish to comment, you will be invited to come off of mute, if you can also turn on your camera.
- Please also pose any **comments in the chat** and these will be picked up by the secretariat.
- **Introductions** of any new members joining the call.



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# UK CCU Position Paper Update Finalisation

Member Discussion



## The Value Proposition of CCU

1. CCU presents an opportunity to deliver investment in CCS for **better value for money**. CCU technologies deployed now can help **demonstrate** capture technologies until permanent geological storage and pipeline transport becomes available in the UK in line with the cluster sequencing process.
2. The deployment of CCU at scale now can act as **a stepping stone** and **keep up the momentum** in getting to gigaton capacity of capture, transport and storage of CO<sub>2</sub>.
3. Utilisation of CO<sub>2</sub> presents an ideal business case to **attract investment into CCS**, leading to a self-sustaining CCUS market.
4. CCU technologies assign value to CO<sub>2</sub> as a resource, therefore promoting a sustainable, **circular economy**, and **reducing the overall carbon intensity of industrial processes**.
5. CCU adds **value at dispersed sites**.
6. Permanent sequestration of CO<sub>2</sub> in products, such as low-carbon cement and building materials can enable the **creation of a low-carbon products market** in the UK, demand for which is quickly ramping up.

# Overall structure

## Introduction

- CCUS Vision: What is the role of CCU within the CCUS framework?
- Global Status of CCU
- Current CCU status in the UK

## Technical Overview

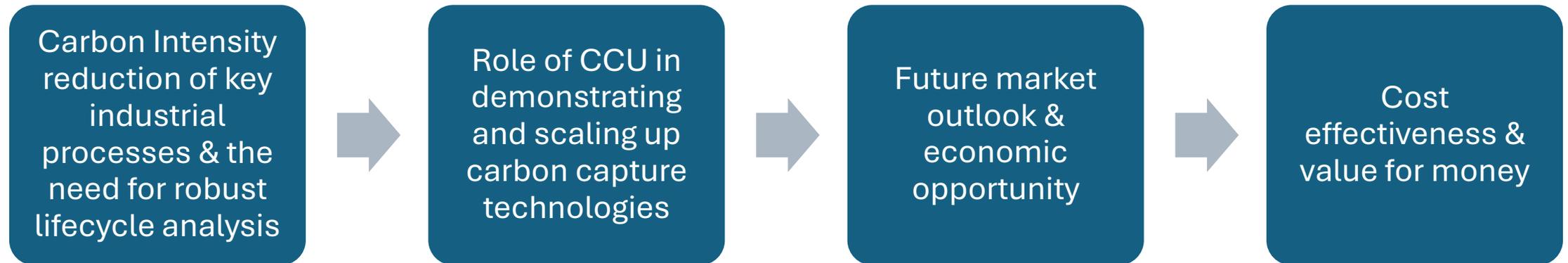
- What is CCU?
- Carbonation
- Conversion of CO<sub>2</sub> to low-carbon fuels
  - SAF case studies
- Use of CO<sub>2</sub> as a feedstock for green chemicals
- Non-conversion use of CO<sub>2</sub>
- CO<sub>2</sub> utilisation in food & drink
- Co-products and EfW

## Drivers & Barriers

- Markets
- LCA & Circular Economy
- Synergies with CCS
- Value for dispersed sites
  
- Lack of financial & policy incentives
- R&D & varied TRLs
- CO<sub>2</sub> Transport
- Questions about permanency and risk of reversal

# Abatement Potential of CCU

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## Looking to the future & Further work

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1. Develop a bespoke **CCU Business Model** providing a financing pathway to CCU projects in the UK.
- 2. Clear targets for CCU** within the wider CCUS framework.
- 3. Clear definition of CCU** as enabler of CCS and its value proposition.
4. Enabling appropriate **market frameworks**:
  1. Low-carbon products market
  2. Inclusion of CO<sub>2</sub> storage in products in the UK ETS
5. Enabling **non-pipeline transport** of CO<sub>2</sub>.

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# EU CCU Position Paper Discussion

Member Discussion



# AOB & Conclusions

- Review actions arising from the meeting
- Next CCU Task Subgroup Meeting: (tbc)
- AOB

