

# Identification and analysis of promising carbon capture and utilisation technologies

Public event – 17<sup>th</sup> September 2018

**RAMBOLL**



**UNI KASSEL  
VERSITÄT**

**CESR**  
Center for Environmental  
Systems Research



# INTRODUCTION

## AIM OF THE STUDY

Overall objective:


- **Build a better understanding of novel CCU technologies**

Sub-objectives:

1. To assess the mitigation potential and readiness of different CCU technologies in order to clarify which types of technologies are viable for support => **Technology assessment**
2. To examine the EU regulatory set up related to the technologies concerned and assess whether specific provisions are necessary to reflect the contribution by these innovative technologies to climate mitigation while preserving the environmental integrity of the relevant legislation => **Regulatory assessment**
3. To engage with stakeholders for better understanding of the technologies and the legislative setup => **Stakeholder engagement:**

# INTRODUCTION

## STUDY TEAM

	Project management Impact assessment (task 2 lead) Stakeholder engagement (task 3 lead)
	Technology assessment (task 1 lead)
 	Life cycle analysis (task 1)
	Assessment or the regulatory framework and options (task 2)
	Assessment or the regulatory framework and options with a focus on ETS (task 2)

# INTRODUCTION

## OVERALL APPROACH

### TASK 1 TECHNOLOGIES ASSESSMENT

T1.1 Technology assessment

T1.2 Technical, economic, climate and energy assessment

T1.3 Market barriers, impacts and opportunities

### TASK 2 REGULATORY ASSESSMENT

T2.1 Analysis of the current regulatory setup

T2.2 Developing options

T2.3 Assessing impacts

### TASK 3 STAKEHOLDER ENGAGEMENT



Survey of companies



Interviews/  
written  
consultation



Task  
workshops

Open public  
event

CONCLUSIONS

PRESENTATION OF FINDINGS

# INTRODUCTION

## AGENDA FOR THE DAY

Time	Agenda
14:00-14:15	<p><b>Introduction</b></p> <p>Maria Velkova (European Commission) and Xavier Le Den (Ramboll)</p>
14:15-15:30	<p><b>Presentations of the outcomes of the study “Identification and analysis of novel and promising Carbon Capture and Utilisation technologies, including their regulatory aspects”</b></p> <p>By Study team</p> <p><i>Followed by Questions from the audience</i></p>
15:30-16:00	<p><b>Coffee break</b></p>
16:00-16:30	<p><b>Presentation of the findings of the European Commission's Group of Chief Scientific Advisors of the Scientific Advice Mechanism (SAM) on “Novel carbon capture and utilisation technologies”</b></p> <p>By Elvira Fortunato (European Commission's Group of Chief Scientific Advisors)</p>
	<p><b>Presentation of the Science Advice for Policy by European Academies (SAPEA)’s “Evidence Review Report”</b></p> <p>By Marco Mazzotti (Vice-chair of the SAPEA Working Group)</p> <p><i>Followed by Questions from the audience</i></p>
16:30-17:30	<p><b>Panel discussion</b></p> <p><i>With Artur Runge-Metzger (DG CLIMA), Maria Da Graça Carvalho (Scientific Advice Mechanism, DG RTD), Jan Theulen (HeidelbergCement), Sophie Wilmet (European Chemical Industry Council, Cefic) and Henriette Naims (Institute for Advanced Sustainability Studies)</i></p> <p><i>Followed by Questions to the panel</i></p>
17:30	<p><b>Conclusion</b></p> <p>By Artur Runge-Metzger (Director, DG CLIMA).</p>

# THANK YOU

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