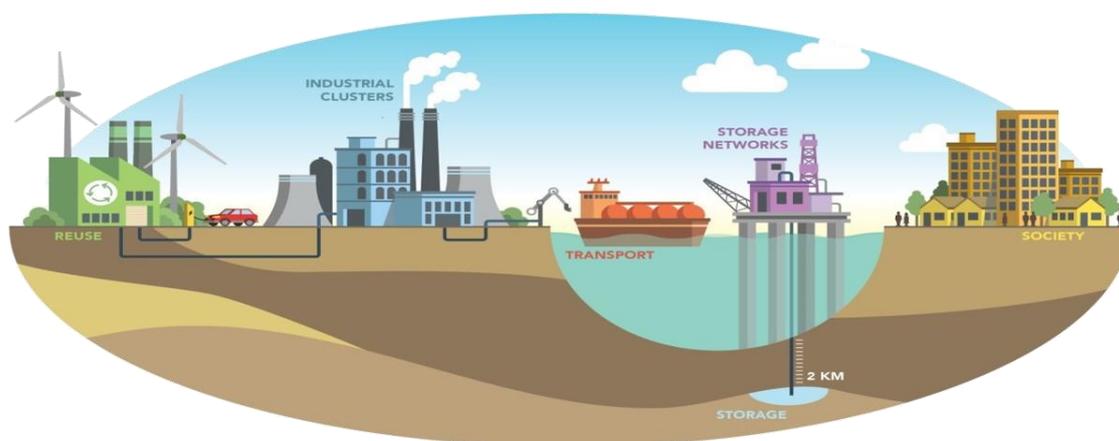


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ALIGN ALIGN CCUS

Accelerating Low carbon Industrial Growth through CCUS

Deliverable Nr. D6.1.3: Films



Dissemination level	Public
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Executive summary

To meet countries' CO₂ emission reduction targets, the decarbonization of industrial processes needs to accelerate. Carbon Capture and Storage (CCS) is considered as an important component of a portfolio of effective decarbonization options for industry (IEA, 2016; IPCC, 2014). Governments in both the United Kingdom (UK) and the Netherlands have stipulated ambitions for implementing industrial CCS and have supported these ambitions with policy instruments. Yet, the implementation of industrial CCS may be hampered by a lack of public support for industrial CCS.

Because the UK and the Netherlands will likely move towards the implementation of industrial CCS in the coming years, information about citizens' opinions on industrial CCS is vital to support public engagement and site selection strategies in these countries. Projects that consider the different interests and concerns of the public may pre-empt public opposition surrounding the implementation of industrial CCS.

The objective of ALIGN-CCUS Task 6.1 was to investigate the opinions of citizens in the UK and the Netherlands about industrial CCS, as well as factors that shape these opinions. More specifically, we examined (determinants of) industrial CCS opinions of citizens in the UK and the Netherlands by means of an online informed opinion survey (N = 1961). A report describing the results of the survey was delivered in May 2020, D6.1.1 '*Informed public opinion about industrial CCS in the UK and the Netherlands*', and a scientific journal article is being written about the results, D6.1.2 '*Journal article submitted for publication in a peer-reviewed journal: Public opinion of industrial CCS in the UK and the Netherlands; Effects of outcome perceptions, proximity and industry attitudes*'.

Deliverable D6.1.3. involved producing two films which aim to present the argument for implementation of industrial CCS and to present the results from the research in ALIGN-CCUS Work Package 6, in particular the findings of Task 6.1.

Purpose of the ALIGN-CCUS Work Package 6 films

The main purpose of the films is to communicate key messages about industrial CCS and the results of the Task 6.1 ALIGN-CCUS survey to interested members of the public and to stakeholders who have an interest, such as politicians, industry, local government, civil society, and NGOs. The general tone of the films is intended to be broadly supportive of implementing CCS for tackling industrial process emissions given the ACT mandate and the widely accepted recognition (e.g. IPCC *Global Warming of 1.5°C* Report) that industrialized countries will be unable to meet their net zero carbon targets without decarbonizing industry. The films do not cover CCS applied to the power sector, i.e. installed on coal, gas or bioenergy plants. Different perspectives are incorporated in the second film to reflect the range of viewpoints expressed in the Task 6.1 survey of public perceptions as well as reflecting the somewhat different views of the stakeholders who have given time to considering industrial CCS and its implications.

The narrative in the first film creates the case for industrial CCS, especially in industrialized countries with net zero carbon targets for 2050. This starts with an exposition of climate change and CO₂ emissions targets. Government commitments, policies and measures, and the pathway to a Just and Low Carbon transition, is communicated succinctly in the first film. Currently, many products we are heavily reliant upon are produced through processes that generate CO₂ and, while alternative production methods are being explored, demand for such products remains buoyant. The film suggests that the solution is to capture the CO₂ from such production processes and store the CO₂ safely, securely and permanently.

The second film is different in style and content and is three times as long as the first film. It presents a range of perspectives and viewpoints regarding industrial CCS and how it is deployed. Independent experts from Universities and research institutes provide their opinions on the repercussions of industrial CCS on job retention, costs, and competitiveness, re-utilization of infrastructure and transferable skills in the workforce. It hears from independent experts in Universities and research institutes, as well as from industry and environmental organizations, on what industrial CCS means for the future of those parts of the UK and the Netherlands (and by implication in other industrialized countries) where relevant industries are concentrated.

The results from the Task 6.1 survey were provided in summary form to the interviewees in film two, such that they could reflect upon the results in shaping their responses. This proved an effective means by which Task 6.1 survey results were utilized and reflected-upon by a number of the respondents who featured in the second film. Due to COVID-19, the film makers were restricted somewhat in where filming could take place and relied upon Zoom. However, they very effectively drew upon available imagery to create a compelling visual narrative alongside the spoken one.

We acknowledge the help and support of the following people when making the films: Frank Ford and Fraser from Media Voodoo Ltd. (film makers), the interviewees in film two, and Peter van Os (TNO), Indira Mann (SCCS) and Richard Sobianco (SCCS) for reviewing the first versions of the films, and helping with the promotion of the films.

The films can be viewed here:

[Part One: An Introduction](#)

<https://www.youtube.com/watch?v=mabM909m1do&feature=youtu.be>

[How industry responds to climate change, and the role of CCS - The deep dive](#)

https://www.youtube.com/watch?v=W3ha6j_DSNk&feature=youtu.be

Information requests

For more information about the D6.1.3 films, please contact Dr Simon Shackley (University of Edinburgh), via simon.shackley@ed.ac.uk.