



Seizing Europe's chance to become a leader in carbon capture, usage and storage

The Paris Agreement's ambition of aiming to achieve net-zero emissions in the second half of the century requires that all available low carbon technologies are successfully incentivised. In this context carbon capture, usage and storage (CCUS) will have to play a crucial role. The latest Intergovernmental Panel on Climate Change (IPCC)'s special report (Global Warming of 1.5°C) concludes that "early scale-up of industry CCS is essential to achieve the stringent temperature target¹." Furthermore, in this same context, it is now key that various CCU technologies should start to develop new business models to support achieving the EU ambition.

CCUS is critical to reduce greenhouse gas emissions at scale while maintaining a competitive industry in Europe at lowest cost to society. But timely political support and an appropriate policy framework are necessary to enable commercial demonstration and deployment. These elements are currently missing.

CCUS is safe, readily available and scalable. It is the key technology for virtually all industrial sectors, including power generation and sustainable hydrogen, in the pursuit of a low carbon economy consistent with Europe's climate commitment. It is central to address CO₂ emissions from core industrial processes. For some energy-intensive industries, CCUS is vital to substantially reduce such emissions. In essence, CCUS is critical to reduce greenhouse gas emissions at scale while maintaining a competitive industry in Europe at lowest cost and highest value to society.

As stated by the IPCC, there is no scenario well below 2°C without CCUS. Europe should therefore put CCUS at the heart of its long-term greenhouse gas emissions reduction strategy alongside other essential elements such as renewable energy and resource efficiency, circular economy and sustainable energy sources.

Furthermore, member states' National Plans should include CCUS to deliver the EU's long-term strategy for greenhouse gas emissions reduction. Europe's innovation strategy should support CCUS deployment in the continent and boost the formation and growth of CCUS-equipped industrial clusters capable of achieving economies of scale. The EU Innovation Fund should pave the way for a sustainable European industrial vision.

¹ http://www.ipcc.ch/pdf/special-reports/sr15/sr15_draft.pdf

The European Union has now an opportunity to kick-start action, making CCUS an integral part of its long-term strategy for a low carbon and globally competitive industrial economy. European policymakers need to recognise CCUS as a priority in the policy measures which will be agreed to implement the 2050 strategy. Europe has a chance to show the same leadership expressed in the creation of European value chains for renewable energies, applying it to enabling CCUS and industrial competitiveness in a low carbon world.

With the right policy frame, we are ready to take on the challenge of implementing CCUS at scale and help the EU deliver on its Paris Agreement contribution.

Kind regards,

Carl De Mare
VP - Head of Emerging
Technologies
ArcelorMittal

Rutger Huijgens
Director European
Government Affairs
BP plc

Luke Warren
Chief Executive
**Carbon Capture and Storage
Association**

Fabio Marchetti
Senior Vice-President, Head of
European Government Affairs
Eni SpA

Steinar Eikaas
Head of Low Carbon Solutions
Equinor

Nikolaas Baeckelmans,
Vice President European Union
Affairs
ExxonMobil

John Cooper
Director General
Fuels Europe

John Scowcroft
Executive Adviser – Europe
**Global Carbon Capture and
Storage Institute**

Francois-Regis Mouton
Director EU Affairs
**International Association
of Oil & Gas Producers**

Cédric de Meeûs
Head, Group Public Affairs
LafargeHolcim

Fumiharu Shimamoto
General Manager Power & Energy
Solutions
Mitsubishi Heavy Industries, Ltd

Prof. Dr.-Ing. Emmanouil Kakaras
SVP Head of Energy Solution and
New Products
**Mitsubishi Hitachi Power
Systems Europe**

Didier Van Osselaer
Manager Energy&Fuel Transition
Port of Antwerp

Erling Kvadsheim
Director, International Affairs
**Norwegian Oil and Gas
Association**

Ángel Bautista
Director of Institutional Relations
Repsol

Ivan Martin
Head of EU Affairs
Shell

Carl van der Horst
Director European Affairs
Tata Steel

Arnaud Chaperon
Senior Vice President European
Public Affairs
Total

Recipients:

EU Commission: Secretariat-General, DG Climate Action, DG Energy, DG Research & Innovation