Making CCS fly

Jim Herbertson
Technical Director, Climate & Energy, IPIECA
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WHO WE ARE

IPIECA

- Global oil and gas industry association for environmental and social issues
- Enable industry to improve its environmental and social performance
- Represent the consensus view of our members (43 companies and 20 associations)
- Principal communication channel to the United Nations

Our membership operates in
180 countries

Our membership employs
1.3 million people
MEETING THE UN SDGs IN THE CONTEXT OF CLIMATE CHANGE
The scope and nature of typical oil and gas activities point to some SDGs where there are particularly strong opportunities to contribute.
Oil and gas companies are helping to meet responsible consumption challenges by mitigating impacts and improving the efficiency of their operations and by supporting energy efficiency.

- Increased energy efficiency
- Reduced gas flaring
- Directional drilling
- Chemical and waste management
We believe that it is possible to address climate change risks while also meeting global energy demand and supporting economic development.

- **Self-assess carbon resiliency**
- **Mitigate emissions within oil and gas operations**

**net ZERO**
- Plan strategically for a net-zero emissions future

**CO₂**
- Developing CCS

Strengthen resilience and adaptive capacity to climate change impacts.
IPIECA believes that significant policy action, technology development, and business response will be needed to meet the long-term aims of the Paris Agreement. CCS offers solutions across many sectors and almost uniquely offers the opportunity for negative emissions.
IPIECA’s history on CCS

List of workshops and reports published

• IPIECA CCS Workshop (2003)
• IPIECA contributions to preparation of the IPCC SR CCS (-2005)
• API/IPIECA Guidelines for CCS Emission Reduction Projects (2007)
• CCS Roundtable: Business Models (2007)
• IPIECA CCS Workshop Remaining Gaps (2011)
• IPIECA Paris Puzzle (2015)
• IPIECA CCS Workshop (2017)
IPIECA CCS workshop – Making CCS fly

Key topics highlighted during the discussions

• Scale-up needs to be accelerated to meet the Paris Agreement goals
• Potential for Negative Emissions
• Support, Collaboration, and Continuous Improvement to Lower Costs and More Flexible Technologies
• Information and Collaboration
• CCS in different regions
• Business Models
Information and Collaboration

• Groups that support CCS need to be collaborative and avoid duplication.
• CCS needs to have a key position within Government Strategies.
  – How can we help governments think about CCS in their Mid-Century Strategies to the Paris Agreement?
• IPIECA and industry associations can play a positive role to engage with governments to address challenges in implementing the needed scale of CCS applications.
• Support and collaboration will be important to improve technology across the portfolio of CCS applications including heavy industry and natural gas power generation.
• CCS is proven and available but there is still scope for continuous improvement based on shared learning from projects and capital cost needs to be lower and more flexible technologies needed.
Business Models

- CCS success is achievable but business models are complex with many parts, and economics remain challenging even with current government support.

- An alternative approach to infrastructure planning could be better, such as spoke and hub models. Separation of capture and storage into different businesses may have advantages.
IPIECA’s ROLE IN CLIMATE CHANGE

IPIECA represents its members on environmental and social issues and has been engaged in UN processes on climate change for more than twenty years.

For more information, visit www.ipieca.org
Thank you!

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