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Department:
Mineral Resources and Energy
REPUBLIC OF SOUTH AFRICA



sanedi

South African National Energy
Development Institute.

WORKSHOP BRIEFING DOCUMENT

ACCELERATING CARBON CAPTURE AND STORAGE IN SOUTH AFRICA

18 FEBRUARY, 2020

CEF HOUSE, 152 ANN CRESCENT, SANDTON

Background

On 27 March 2009, the South African Centre for Carbon Capture and Storage (SACCCS) Charter was signed by the then Minister of Energy establishing SACCCS in a five year agreement, as a programme of the South African National Energy Development Institute (SANEDI). SACCCS's activities were supported by the South African Government, local industry and international partners. The mandate of SACCCS was to investigate the technical potential of CCS technology in South Africa.

The technology was identified as one of emissions reduction mechanisms that could assist South Africa to meet its emissions reduction targets. In 2011, CCS was further identified as one of the National Flagship Priority Programme in the National Climate Change Response White Paper. The South African Cabinet endorsed the South African CCS Roadmap in 2012, and the South African Government has reported (in 2013) that the country will financially support the development of the Pilot Carbon Dioxide Storage Project (PCSP).

The PCSP was scheduled for implementation in 2017 according to the South African CCS Roadmap. Due to delays in the Zululand Basin, SANEDI has proceeded to review existing geological data to advance from basin characterisation to site characterisation as the next phase of the Project. These stakeholder issues have meant that site characterisation activities in the PCSP study areas could not be implemented and consequently site selection. The updated Carbon Capture Utilisation and Storage Roadmap now puts PCSP implementation in 2021. To this end, a workshop is scheduled to be held on Tuesday, 18 February 2020 at CEF House in Sandton, Johannesburg. The theme of the workshop is, *Accelerating CCS in South Africa*.

Purpose of Workshop

The purpose of the workshop is to provide a platform to facilitate wider discussions between local and international CCS technical experts as well as South African CCUS stakeholders on strategies to accelerate the implementation of the PCSP and CCUS in the country. The workshop will provide an opportunity for CCUS stakeholders and experts to have a dialogue in order to map out a way forward in terms of accelerating the implementation of the programme.

The workshop will be a build up towards the 6th Biennial Conference 2020 to be held on 13 and 14 October, 2020.



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Expected Outputs

The workshop is expected to provide a way forward in terms of the implementation of CCUS in South Africa. The following are some of the expected outputs that will be discussed further during the conference in October, 2020.

- Identify the way forward in terms of identified challenges (technical, social and otherwise) that are currently delaying PCSP implementation in South Africa. This will assist SANEDI to catch up on project timelines for implementation.
- Identify drivers for CCUS deployment in South Africa and ways to increase industry participation.
- Define Climate Change regulations and define ways in which CO₂ producing entities can reduce their liabilities using CCUS technologies.
- CCS regulation development discussion and way forward.

SANEDI looks forward to your participation.

Dr Tony Surridge
General Manager: Cleaner Fossil Fuels