

5th Biennial Carbon Capture and Storage Conference 2017

18 – 19 October 2017

Venue: Coastlands Hotel & Convention Centre Umhlanga, KZN, South Africa

Carbon Capture & Storage: National Energy and climate change: The value-add of Clean Energy solutions towards a new sustainable economy that is built upon principles of equity, community participation and human rights.

Day One (1): Wednesday, 18 October 2017

08:00	Registration, coffee and tea	
Session 1: Opening and welcome		Co-Chairs: Dr Thembakazi Mali, SANEDI Acting CEO/ Dr Tony Surridge
09:00 – 09:10	Opening Remarks & Welcome	Honourable Mayor, Cllr Zandile Gumede – eThekweni Municipality (Confirmed)
09:10 – 09:25	Overview on SANEDI	Dr Ingrid Tufvesson: SANEDI Board Chairperson(Confirmed)
09:25 – 09:45	KwaZulu-Natal’s Provincial Perspective CCS & Introduction of the DoE Minister: Ms Kubayi, MP	Mr Sihle Zikalala, MPL: MEC for KZN:EDTEA (Confirmed)
09:45 – 10:10	Keynote address	Ambassador Thembisile Majola, Deputy Minister of Energy (Confirmed)
10:10 – 10:25	CCS in Norway and the South African Support	Ms Trine Skymoene, Ambassador (Confirmed)
10:25 – 10:40	World Bank Support for CCS in South Africa	Dr Natalia Kulichenko-Lotz, Senior Energy Specialist – World Bank Group (Confirmed)
10:40 – 10:55	UK policies to support deployment of CCUS technologies	Dr Peter Warren, Climate Finance Investment Lead - UK DBEIS (Confirmed)
10:55 – 11:05	Questions and Answers	
10:55 – 11:05	Morning Tea Break and Poster Session	
Session 2: Climate Change Strategies		Co-Chairs: Ms Evelyn Nyandoro & Ms Polly Modiko
11:05 – 11:20	Contextualisation of the Pilot CO ₂ Storage Project	Mr Noel Kamrajh, PCSP Manager – SANEDI (Confirmed)
11:20 – 11:35	Council for GeoScience Support for CCS Deployment in South Africa	Mr Mosa Mabuza, CEO - Council for Geoscience (Confirmed)

11:35 – 11:50	Environmental requirements for CCS: The KZN Perspective	Mr Zama Mathenjwa, Acting Regional Director and District Manager: Environmental Management. Grade 1 Environmental Management Inspector: KZN EDTEA - (Confirmed)
11:50 – 12:05	Water Safety Issues: Key Strategic Requirement for Geological CO ₂ Storage	Ms Namisha Muthraparsad, Scientis: DWS (Confirmed)
12:05 – 12:20	Climate Change: Opportunities for Africa in Carbon Capture and Storage (CCS)	Dr Joseph Essandoh-Yeddu – Ag. Director: Strategic Planning & Policy: Ghana Clean Energy Solutions centre (Confirmed)
12:20 – 12:35	Implementation of CCS and Site characterization: Case Studies Existing and New projects	Dr Ruimin Gao: President - Yanchang Petroleum Research Institute (Confirmed)
12:35 – 12:45	Questions and Answers	
12:45 – 13:30	Lunch	

Session 3: CO₂ Storage Projects

Chair: Dr Tony Surridge

13:30 – 13:45	Geological Exploration for the Pilot CO ₂ Storage Project	Mr Thulani Maupa, PCSP Technical Manager: SANEDI (Confirmed)
13:45 – 14:00	Seismic Survey	Mr Nigel Hicks, Senior Scientist: CGS (Confirmed)
14:00 – 14:15	Aeromagnetic Survey	Mr Emmanuel Chirenje, Chief Scientist: CGS (Confirmed)
14:15 – 14 :30	Slim-hole Drilling	Mr Mark Moody, Manager PTAS: Battelle (Confirmed)
14:30 – 14:45	Norwegian full-scale CCS Project	Dr Eva Halland: Norwegian Petroleum Directorate (Confirmed)
14:45 – 15:00	Questions and Answers	All
15:00 – 15:15	Afternoon Tea Break and Poster Session - SACCCS Bursars	

Session 4: Regulations & Policy Framework

Chair: Mr Zama Mathenjwa

15:15 - 15:40	CCS in South Africa Regulations and Policy Framework	Mr Landi Themba, Director: Coal & Gas Policy - Department of Energy (Confirmed)
15 :40 – 16:00	Requirements for Scientific Investigations in relation to Site Exploration/Characterisation	Mr Dayalin Naidoo, Control Environmental Officer – KZN EDTEA (Confirmed)
16:00 – 16:15	Questions and Answers	All
16:15 – 16:10	Closing Remarks	Ms Pumla Ncapayi, HOD: KZN:EDTEA (Confirmed)
16:10 – 16:15	Announcements	Ms Polly Modiko, Group Stakeholder Engagement Lead: SANEDI (Confirmed)

17:00 Cocktail Session

Day Two (2): Thursday, 19 October 2017

08:00 Registration, coffee and tea

Session 5: Skills and Community Development

Chair: Ms Polly Modiko: SANEDI

09:00 – 09:10 Welcome & Opening Remarks
Dr Tony Surridge : SANEDI General Manager (Confirmed)

09:10 -09:40 Community Development:
The role of indigenous knowledge in addressing climate change
Inkosi Sbonelo Mkhize: KZN EXCO Provincial House of Traditional Leaders (Confirmed)

09:40 -10:10 Community Development through *Science & Technology*
Dr Jabu Nukeri, Managing Director: NRF/SAASTA (Confirmed)

10:10– 10:35 Science Communication & Environmental Education: Climate Change and Carbon Capture & Education
Ms Siphesihle Bukhosini, Founder & Science Communicator: Isibusiso Esihle Discovery Science Centre (Confirmed)

10:35 – 11:00 Bringing Climate Change and CCS to life through Science, Technology, Engineering and Maths (STEM)
Ms Phathi Sithole, Subject Specialist: UMkhanyakude Education District (Confirmed)

11:00 – 11:10 Questions and Answers All

11:10 – 11:30 Morning Tea Break and Poster Session - SACCCS Bursars and Mentee

Session 6: CCS Monitoring and Safety

Co-Chairs: Ms Gcobisa Melamane & Mr Wiseman Ngcobo: SANEDI

11:30 – 11:50 CO₂ Leakage impacts and monitoring techniques
Mr Ivan Schroder, Activity Leader (A/g) – Hydrogeochemistry Project - Geoscience Australia (Confirmed)

11:50 – 12:10 The environmental context of the proposed PCSP
Dr Greg Botha, Senior Specialist Scientist - CGS (Confirmed)

12:10 – 12:20 Questions and Answers All

12:20 – 13:10 Lunch

Session 7 : CO₂ Monitoring Capacity Building

Co-Chairs: Mr. Landi Themba: DoE &
Ms Polly Modiko: SANEDI

13:10 – 13:25	Environmental Surface Monitoring at CO ₂ Natural release sites	Ms. Gcobisa Melamane, Monitoring Lead: SANEDI (Confirmed)
13:25 – 13:40	Analysis and Modelling of the impacts of CO ₂ leakage on ground water and surface water from an underground surface facility	Mr. Mzikayise Nkwane, SACCCS Bursar: UKZN (Confirmed)
13:40 – 13:55	Collaboration with the Local Authorities: Pilot CO ₂ Monitoring Project and Mentorship programme	Ms. Noloyiso Walingo, Environmental Manager: Ugu DM (Confirmed)
13:55 – 14:05	Questions and Answers	All
14:05 – 14:15	Afternoon Tea Break and Poster Session - SACCCS	Bursars

Session 8: Stakeholder Engagement and CCS Capacity Building

Co-Chairs: Mr. Thulani Maupa: SANEDI &
Ms Noloyiso Walingo: Ugu DM

14:15 -14:30	SACCCS Bursary programme	Ms Evelyn Nyandoro, SACCCS Manager: SANEDI (Confirmed)
14:30 – 14:45	Ethical Considerations for CCS and the deployment thereof in South Africa, a developing country	Ms Polly Modiko, Group Stakeholder Engagement Lead: SANEDI (Confirmed)
14:45 -15:00	How technologically mature should CCS be before it is deployed in South Africa	Mr Wiseman Ngcobo, Acting Stakeholder Engagement Lead: SANEDI (Confirmed)
15:00 – 15:15	Identifying Future Scientists	Mr Dev Mamabolo, Provincial Coordinator: Eskom Expo for Young Scientists (Confirmed)
15:15 – 15:30	World Bank Support for CCS Capacity Building in South Africa	Mr Brendan Beck, Consultant: World Bank (Confirmed)
15:30 – 15:40	Questions and Answers	
15:40 - 15:50	Closing Remarks	Mr Zama Mathenjwa: KZN EDTEA

About the South African Centre for Carbon Capture and Storage

The South African Centre for Carbon Capture and Storage (SACCCS) was launched in 2009 as a division of the South African National Energy Institute (A State-owned Entity) in collaboration with the Department of Energy (DoE), international governments and industry. SACCCS has been mandated to further the technical understanding and the development of CCS potential in South Africa.