

PTRC and SANEDI Announce Canada-South Africa MOU on Carbon Capture and Storage Research

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For Immediate Release

Today, at the 13th Conference on Greenhouse Gas Technologies in Lausanne, Switzerland, representatives from the Petroleum Technology Research Centre (PTRC) and the South African National Energy Development Institute (SANEDI) signed a memorandum of understanding for collaborating on research and development on carbon capture and storage. This MOU covers a broad array of topics, including the measurement, monitoring and verification of injected CO₂ as well as public engagement and outreach strategies.

PTRC and SANEDI have a long-standing relationship. In July 2012, geologists from SANEDI made the 15,700 km trek to Estevan, Saskatchewan during the drilling of Aquistore's injection and observation wells. In 2014, PTRC also hosted public outreach staff from the South African Centre for Carbon Capture and Storage (SACCCS), a division of SANEDI, for open discussions on public engagement challenges in both countries. As a major user of coal for power generation and conversion to synthetic liquid fuels, South Africa has a significant interest in carbon capture, utilization and storage as an emissions mitigation strategy. SANEDI is in the process of building its first Pilot CO₂ Storage Project – with financial assistance from the South African government and the World Bank CCS Trust Fund– and this MOU will lead to the sharing of knowledge, researchers, and expertise to make this first demonstration project a reality.

"Aquistore has been pleased to host researchers and communications personnel from South Africa," said Ken From, PTRC's Chief Executive Officer. "Aquistore is bringing the world to Saskatchewan, and we recognize the importance of CO₂ storage for South Africa's economic and environmental benefit."

"This MOU with PTRC is important for building on the existing R&D infrastructure in South Africa," said Kevin Nassiep, Chief Executive Officer of SANEDI. "South Africa is pleased to be developing its own storage demonstration project to make our contribution to the science of global emissions reduction."

Exchanges of researchers, students and officials are planned for 2017 between the two organizations.

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Images:

Aquistore site available for use upon request.

BACKGROUND

Aquistore is an independent research and monitoring project which intends to demonstrate that storing carbon dioxide (CO₂) deep underground (in a brine saturated sandstone formation), is a safe, workable solution to reduce greenhouse gases. Globally, deep saline aquifers have the potential to store centuries' worth of CO₂ emissions.

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Based in Regina, Saskatchewan, Canada, **PTRC** is a not-for-profit corporation. It is a world leader in the development of more efficient and environmentally sustainable technologies for enhanced oil recovery, and is a world-leader in the study of the geological storage of carbon dioxide through the *IEAGHG Weyburn-Midale CO<sub>2</sub> Monitoring and Storage Project* and the *Aquistore Project*.

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South Africa's National Energy Development Institute (**SANEDI**) is the state owned entity entrusted with the coordination and undertaking of public interest energy research, development and demonstration. The Minister of Energy is the executive authority of SANEDI who, with the Minister of Science and Technology, provides political and strategic focus for the entity. SANEDI, which established the South African Centre for Carbon Capture & Storage (**SACCCS**) during September, 2009 to be the leading authority in the country for all CCS technically related activities, is working on a CCS demonstration project in eastern South Africa with the financial support of the South African government and the World Bank CCS Trust Fund.

Visit www.ptrc.ca, www.aquistore.ca and www.sanedi.org.za, sacccs.org.za