

# Invest in the Future of CCS with IPAC-CO<sub>2</sub>

*"IPAC-CO<sub>2</sub> is an international panel for the independent evaluation and advancement of risk and performance assessment of geological storage of carbon dioxide.*

*IPAC-CO<sub>2</sub> provides and advances global expertise to independently benchmark, evaluate and provide advice on geological storage. It responds to the needs of the public, policymakers, regulators, developers and others."* Statement of Intent, Paris, 2009

## A Time for Action on GHG Emissions

Coal, natural gas and oil will remain the world's dominant sources of energy over the next several decades. As a result, carbon dioxide (CO<sub>2</sub>) emissions will increase to unsustainable levels if nothing is done.

The International Energy Agency (IEA) has urged a quick and global push to develop and deploy carbon capture and storage (CCS) technologies to mitigate greenhouse gas emissions.

"The window of opportunity is closing for the global community to cost-effectively address climate change," said Nobuo Tanaka, Executive Director of the IEA, at the 2008 launch of the IEA report *Carbon Dioxide Capture and Storage: A Key Carbon Abatement Option*. "CCS technologies must play a key role, but first they must be proven in the next decade."



## CCS Solution

Scientists estimate that carbon capture and storage can account for 19 per cent of greenhouse gas emissions that are targeted to be eliminated by the year 2050. In other words, the amount of carbon dioxide eliminated during that time period would be equal to today's entire global natural gas industry.

The potential of CCS is dependant upon the safe and effective implementation of CO<sub>2</sub> geological storage projects. Groups and partnerships around the world are conducting research into geological storage of CO<sub>2</sub>, with risk assessment as an important focus. IPAC-CO<sub>2</sub> seeks to connect and support this expertise and build confidence for implementing CCS on a large scale.

## IPAC-CO<sub>2</sub> Community of Practice

IPAC-CO<sub>2</sub> links together CCS research organizations and professionals with an interest in risk and performance assessment of geological storage of CO<sub>2</sub>. It is a central access point for members to connect, share, learn and act in the development of best practices and tools for the mitigation of risk in geological storage of CO<sub>2</sub>. Built upon an advanced online platform, the community provides an enhanced environment for collaboration, shared learning, knowledge management and social networking.

***"There is an urgent need to advance the state of global knowledge of CO<sub>2</sub> storage."***  
**IEA GHG Technology Roadmap: Carbon Capture and Storage, 2009**

## **A Global Community**

IPAC-CO<sub>2</sub> will link experts into a worldwide network, committed to reducing the risk and reaching the potential of the geological storage of CO<sub>2</sub>. Partnerships have already been established with research organizations in China, India and South Africa. Negotiations are underway to establish similar agreements with organizations in Africa, Brazil, Europe, the Middle East, the United States and several universities in Canada.

## **Why Join IPAC-CO<sub>2</sub>?**

Many important benefits are available through membership in the IPAC-CO<sub>2</sub> community of practice:

- Opportunity to evaluate various storage techniques and reach consensus on best practices and standards;
- Synergy and support from a community of professionals focused on risk assessment of carbon storage;
- Simplified access to relevant knowledge and expertise worldwide;
- Streamlined communications and information sharing in an advanced online environment; and
- Faster, easier project team formation and coordination in a global setting.

## **Membership**

Visit [IPAC-CO<sub>2</sub>.com](http://IPAC-CO2.com) for details on membership in the community of practice. Register for email updates to stay abreast of IPAC-CO<sub>2</sub> activities and news on CO<sub>2</sub> storage around the world. Share and access expertise and information on geological storage of CO<sub>2</sub>.



IPAC-CO<sub>2</sub> requires additional funding to ensure its work is comprehensive, thorough and timely. Sponsoring members can invest in IPAC-CO<sub>2</sub> and play a pivotal role in the future of CCS.

## **About IPAC-CO<sub>2</sub>**

IPAC-CO<sub>2</sub>, the International Performance Assessment Centre for the Geologic Storage of Carbon Dioxide, is a not-for-profit research and development organization committed to providing independent, objective information, best practices, advice and assessments to governments and industry.

IPAC-CO<sub>2</sub> was created through the efforts of Royal Dutch Shell, the Government of Saskatchewan and the University of Regina. The Government of Saskatchewan and Royal Dutch Shell contributed \$5 million each to launch IPAC-CO<sub>2</sub>. With over 20 years of experience in developing CCS technology, the University of Regina is providing a base for the Secretariat.

**For more information on IPAC-CO<sub>2</sub> and membership, visit [IPAC-CO<sub>2</sub>.com](http://IPAC-CO2.com) today.**

- [www.ipac-co2.com](http://www.ipac-co2.com)
- Email: [info@ipac-co2.com](mailto:info@ipac-co2.com)
- Phone: +1.306.585.5228

Connect with us:

