Министерство экологии,
геологии и природных ресурсов
Республики Казахстан

IGTIC
INTERNATIONAL GREEN TECHNOLOGIES & INVESTMENTS CENTER

CATCH THE CARBON
CLEAN THE AIR
CO_2

Scientific and Practical Conference:
Promoting CCUS Technology within the Framework of the Green Bridge Partnership Program

Date: March 10, 2022
Time: 13:00 (Nur-Sultan)
Format: online, ZOOM

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“The world is moving towards greening industry and economy. Today these are no longer just words, but concrete decisions in the form of taxes, duties, and technical regulation measures. We cannot stand aside, as all this affects us directly through export, investment, and technology transfer…

… Therefore, I have set the goal of achieving carbon neutrality by 2060. It is necessary to work in this direction very pragmatically. The population and economy of our huge country are growing, and energy is needed for quality growth.”

President of the Republic of Kazakhstan ***Kassym-Jomart Tokayev***

State of the Nation Address by President of the Republic of Kazakhstan Kassym-Jomart Tokayev dated September 1, 2021.

Samantha McCulloch, *Head of Carbon Capture Utilisation and Storage Unit, International Energy Agence*

“Carbon capture, utilisation and storage (CCUS) is the only group of technologies that contributes both to directly reducing emissions in critical economic sectors and to removing CO2 to balance emissions that cannot be avoided – a balance that is at the heart of net-zero emission goals… … Net zero means we’ll need this technology.”

Summary

Carbon capture, use and storage (CCUS) technologies are recognized as playing a key role in decarbonization and addressing global climate change.

Kazakhstan is a party to Paris Agreement and sets the ambitious goal of achieving carbon neutrality by 2060 and fulfilling the commitments undertaken.

International Green Technologies and Investment Projects Center was crated as an institution for promoting green technologies. At the legislative level, the Center has the status of a service operator of green technologies and is a platform for promoting technologies and best practices, developing business and investment, strengthening international cooperation under the Green Bridge Partnership Program.

The need to create a joint platform for dialogue between science, business and the state with a goal to promote the transition to low-carbon development through a multilateral approach in the implementation of CCUS technologies.

Conferences' key points

- What are the CCUS technologies?
- How widely CCUS technologies are deployed around the world?
- What are the risks in implementing CCUS technologies?
- What are the opportunities to support and finance the implementation of CCUS technologies?

CONFERENCE PROGRAM

1. *Application of CCUS Technologies to Achieve Carbon Neutrality*
2. *CCUS Technologies in Industrial and Energy Sectors*
3. *Advocating for CCUS Technologies and Funding*

Event Languages: *English, Russian.*
Simultaneous interpretation will be provided by the organizers.

PANEL SESSION №1

Application of CCUS Technologies to Achieve Carbon Neutrality

Moderator

Mr. Chingiz Kanapyanov

Independent Director, member of the Board of Directors of “International Green Technologies and Investment Projects Center” NJSC. Worked for more than fourteen years in the Boards of Directors of such organizations as: KASE, RFCA Rating Agency, KMGold JSC, Kazakh-British Technical University JSC.

Mr. Stefano De Clara

Head of Secretariat, International Carbon Action Partnership (ICAP). He has significant experience in the field of greenhouse gas emissions systems both nationally and internationally. Also, he led the work in the areas covering the implementation of the Paris Agreement, Article 6 and international carbon markets.

Mr. Jean-François Lengellé

Snr. Programme Manager - Sustainable Infra. Central Asia, OECD Environment Directorate; Counsellor - Eurasia Division, OECD Global Relations Secretariat He has significant experience in supporting the transition to a green economy, made a significant contribution, being part of the OECD projects in Kazakhstan to implement the Polluter Pays principle and the OECD green growth indicators.
The OECD has a significant portfolio of research on CCUS technologies and their role in industrial transformation.

Ms. Samantha McCulloch

Head of the CCUS Unit, International Energy Agency. IEA focuses on energy security, economic development and environmental protection, including combating climate change. IEA has a number of publications and studies that focus on CCUS technologies and their role in achieving global carbon neutrality.

Mr. Woojin Lee

Has significant experience in scientific work in the field of green energy, environmental engineering. Currently, he is studying the issue of carbon sequestration in Kazakhstan as part of the activities of the Laboratory for Research in the Field of Green Energy and the Environment at the National Laboratory of Astana Nazarbayev University.

PANEL SESSION №2

CCUS Technologies in Industrial and Energy Sectors

Moderator

Mr. Dosym Kydyrbayev

Managing Partner at «Rakurs Consulting Group» LLP. Member of the Board of the Aspandau Educational Foundation, Mentor of the program "Training of industry managers for change management" (Foundation of the First President, 2020)

Mr. Daiji Tanase

Associate General Manager, International Affairs Department, Japan CCS Co., Ltd.
JCCS is the operator of the CCS Demonstration Project in Tomakomai, Hokkaido, and is also investigating potential offshore CO2 storage. Research is also underway on CO2 transport technologies that could lead to lower long-haul/mass transport costs. The company's goal is to contribute to building the social foundation for CCUS in Japan by 2030 using technology and know-how.

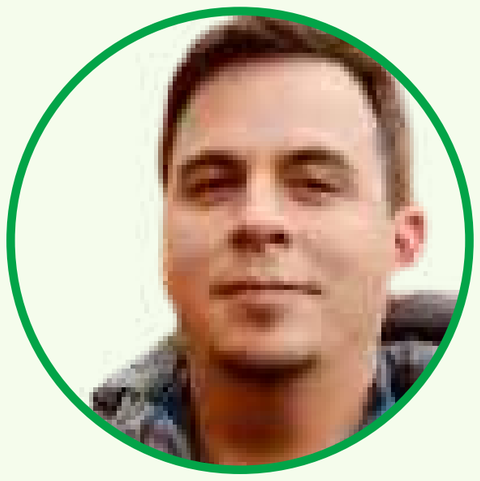
Dr. ir. Earl Goetheer

Principal Scientist Process technology at TNO on the development carnon capture and use processes. Led the implementation of CO2 capture across a wide range of industries. Published over 100 publications and over 45 process design patents.

TNO is working on different but interrelated areas of research that will facilitate the rapid and cost-effective delivery of large-scale CCUS.

Mr. He Dongbo, Vice President

Research Institute of Petroleum Exploration and Development, CNPC. He has 26 years working experiences in oil and gas industry. He successfully developed and executed a large portfolio of natural gas projects in China. He is also a team leader in a CCUS project involving CCUS-EOR and Storage in depleted reservoir and aquifer.



Mr. Diego A. Vazquez Anzola

Technical Director, Principal Carbon/GHG Storage Consultant, Asia Pacific Energy Solutions. 17 years in diverse roles focused on a wide range of O&G and CCS value propositions. APES provides technical and business development solutions that facilitates energy businesses achieve carbon neutrality. Develop technical guidelines to bring current volumetric estimates of CO2 stocks to marketable volumes.

PANEL SESSION №3

Advocating for CCUS Technologies and Funding

Moderator:

Mr. Ramiz Allahverdiyev

Chairman of the National ESG Union, Adviser to the Minister of Economy for Low Carbon Development.

Mr. Darshak Mehta

an international expert in energy, energy efficiency, carbon markets, Asian Development Bank. Has over 25 years of experience in renewable energy, energy efficiency, carbon markets, and carbon capture, use and storage

Mr. Mohammad Abu Zahra

Head of Middle East/North Africa (MENA) Region, Global CCS Institute

He has served as Professor and Head of Research on CO2 Capture at the Masdar Institute and Khalifa University (2011-2022) and at the International Energy Agency's Greenhouse Gas Research and Development Program (IEAGHG).
Global CCS Institute is an international think tank whose mission is to accelerate implementation of carbon capture and storage (CCS), a vital technology for combating climate change and achieving climate neutrality.

Mr. Dimitrios Koufos

Lead Direct Finance, Associate Director, Energy Efficiency/Climate Change at EBRD. Leads energy efficiency and climate change operations throughout the life cycle: initiation, due diligence, negotiation of EPC contracts for the Bank's industrial and natural resources sectors.; Business development and strategy: Developments concerning new legislation and new CCS technologies. He has many years of experience (29 years) in the field of environmental policy and EU legislation, including economic aspects of implementation and evaluation

Mr. Vladislav Bizek

Key expert of the EU–Central Water, Environment and Climate Change Cooperation (WECOOP)
He has significant experience (29 years) in the field of environmental policy and EU legislation, including the economic aspects of the implementation and evaluation of environmental policy.

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To register:

https://ccus.igtipc.org/