Mission Innovation
Carbon Dioxide Removal Mission Webinar
BiCRS (Biomass Carbon Dioxide Removal and Storage)
- Presentation of international BiCRS projects: Potentials, diversity, and gaps for common goals -

November 2, 2023 (Thursday)

8:00-10:15 EDT / 9:00-11:15 BRT / 12:00-14:15 UTC / 13:00-15:15 CET / 21:00-23:15 JST / 23:00-01:15 AEDT

Program

13:00-13:02 Introduction
Akiteru MARUTA, Technova Inc.

13:02-13:05 Host's Welcome
Koichi INOUE
Mission Innovation Steering Committee Member
Director, International Affairs Office, Industrial Science, Technology and Environment Policy Bureau,
Ministry of Economy, Trade and Industry, Japan

13:05-13:10 Opening Statement
Wrenna ROBERTSON
Policy Analyst, Mission Innovation
Energy Efficiency and Technology Sector
Natural Resources Canada, Canada (CDR Mission Co-leads)

13:10-15:05 Presentations
Moderator: Atul SHARMA
National Institute of Advanced Industrial Science and Technology (AIST), **Japan (BiCRS Co-leads)**

Australia
Cameron BELL
CEO, Pyrochar, **Australia**
Australia's CSIRO developed technology deployed in a project to convert over 1.5m tonnes per annum of agriculture & farming residues into biochar and biocarbon for sequestration coal displacement purposes.

Brazil
Daniel LOPES
Exec VP Sustainability & Business Development, FS Fueling Sustainability, **Brazil**
FS, second-crop corn ethanol producer in Brazil, is developing the first BECCS project in Latin America and expect to achieve carbon negative CI in its ethanol.

Canada
Brett JACKSON
President, Hydrogen Naturally, **Canada**
Hydrogen Naturally is proposing to build gasification hubs to convert forestry residues into hydrogen while sequestering carbon dioxide underground. Notionally, each hub would process 2.4 million tonnes/year of biomass pellets, sequester 4 million tonnes CO2/year, and produce 160 thousand tonnes/year of hydrogen.

Japan
Shigeto SUDO
Group Leader, Mitigation System Group,
Division of Climate Change Mitigation Research, Institute for Agro-Environmental Sciences, National Agriculture and Food Research Organization (NARO), **Japan**
This presentation introduces the ongoing "Green Japan, Green Innovation" project, which aims to develop technologies for the effective utilization of high-functional biochar and other materials. These technologies are designed to increase crop yields by around 20% while enabling the sustainable capture and storage of CO2 in croplands. The project's goal is to achieve a 2030 CO2 reduction of 500,000 tons/year, with an economic impact of 51 billion yen through pilot activities initiated in ten municipalities.

Norway
Jannicke Gerner BJERKÅS
Director CCS and Carbon Markets, Celsio, **Norway**
World's first full-scale CCS on Waste-to-Energy; the project has suffered setbacks and has been put on hold. How will Celsio overcome the financial and technical obstacles and find a viable way forward for their trailblazing CDR project? Learnings from the first 9 months of constructions in a complex global situation, and the importance of a regulated CDR market to make a business model.

Sweden
Erik RYLANDER
Head of Carbon Dioxide Removal, Stockholm Exergi, **Sweden**
BECCS Stockholm will capture 800k biogenic CO2 p.a. Retrofit on existing bio-CHP with sustainable biomass sourcing. Final investment decision in 2024, in operation from 2027.

UK
Jonathan SCOTT
Commercial and Fuel Director, Lynemouth Power Limited, **UK**
Overview of the project to retrofit Carbon Capture to the 420MW Lynemouth Power Station, a plant which converted from coal to biomass in 2018 under the UK Contracts for Difference Scheme. The presentation will also put the project in the context of the UK's Cluster Sequencing process and Power BECCS Business Models, and potential interface with international carbon markets.

USA
Jim PIROLLI, Chief Commercial Officer, Summit Carbon Solution, **USA**
Ben NELSON, Director of Carbon Programs, Summit Carbon Solution, **USA**
Overview of Summit Carbon Solution's large-scale BiCRS project in the Midwestern United States. The presentation will present a hybrid approach to CDR using nature-based and engineered methods with geological storage of carbon dioxide.

15:05:-15:15 Closing
Jørild SVALESTUEN
Gassnova SF, **Norway (BiCRS Co-leads)**

Registration: https://forms.office.com/r/mhCFaWcEqb
Registration close: 31st October, 2023 of each time zone (Archive is available for limited period upon the registration)
Language: English (Japanese translation is available for live streaming. Archive is in English only)
Platform: WebEx
Host: Ministry of Economy, Trade and Industry (METI), Japan
Contact: For questions on webinar program: Technova Inc. technova-sympo@technova.co.jp
For questions on registration and webinar: Inter Group Corp. secretariat_2@ig-online.jp