Mission Innovation
Carbon Dioxide Removal Mission Webinar
BiCRS (Biomass Carbon Dioxide Removal and Storage)
- Inspire to engage - information about what's going on in each of the member countries on BiCRS -

January 12, 2023 (Thursday)

7:00-9:00 EST / 12:00-14:00 BST / 13:00-15:00 CET / 21:00-23:00 JST / 17:30-19:30 IST / 23:00-01:00 AEDT

Preliminary Program (time: CET)

13:00-13:03 Host's Welcome

Masaomi KOYAMA
Mission Innovation Steering Committee Member
Director, International Affairs Office, Industrial Science and Technology Policy and Environmental Bureau,
Ministry of Economy, Trade and Industry (Japan)

13:03-13:08 Opening statement

Mark ACKIEWICZ
Director, Mission Innovation CDR Mission
Director, Office of Carbon Management Technologies, **Department of Energy (USA)**

13:08-13:10 Meeting protocol

Moderator – Akiteru MARUTA

13:10-14:50 BiCRs Member Countries

Japan (co-lead)
Kinya SAKANISHI
Assistant Director General, Department of Energy and Environment,
National Institute of Advanced Industrial Science and Technology (AIST) (Japan)
In Japan, for realizing carbon-neutral society by 2050, various technologies related to renewable energy, hydrogen, and CDR have been researching and developing. This presentation focuses on the carbon recycling technology and biomass utilization for BiCRS, establishing negative emission technologies such as BECCS, harvest of fast-growing plants, and production of carbon-neutral fuels and biochar.

Norway (co-lead)
Jørild SVALESTUEN
Gassnova SF (Norway)
Norway is engaged in BiCRS through its CCS/CDR/BiCRS project "Longship", being operational from 2024,
and a number of industrial clusters with interest in BiCRS and CO2-infrastructure; e.g. Waste-to Energy, BECCS, biorefineries and ferroalloy industry. In addition, Norway has ongoing work on present and potential future land- and marine biomass resources.

Canada
Marc DUCHESNE
Research Scientist, **Natural Resources Canada (Canada)**
Canada has a wide-ranging interest in BiCRS with multiple layers of funding. For example, Natural Resources Canada (NRCan) invests over CAD 500 million annually in energy innovation and clean technology RD&D projects, including BiCRS. NRCan has on-going activities for mapping of biomass resources, fossil and biogenic GHG emissions, CO2 transport networks, and CO2 storage sites in Canada. NRCan can develop a LCA-TEA case study on biomass gasification with CCS. Planned pilots and demonstrations could be leveraged.

India
Sangita KASTURE
Mission Innovation Steering Committee Member
Co- lead of Integrated Biorefinery Mission,
Head of Bioenergy and Environment Biotechnology, **Department of Biotechnology (India)**
Ministry of Science and Technology (India) In March 2021, Government of India announced roadmap for 20% ethanol blending in petrol by 2025. The Department of Biotechnology through Energy Biosciences program promotes technology innovation for development of advance biofuels by creating an enabling ecosystem. Efforts are made to utilize the bioresource for production of 2Gethanol, Hydrogen, Methanol, Aviation fuels etc. with co-production of value-added products.

USA
Aaron FULLER
Office of Fossil Energy & Carbon Management, **Department of Energy (USA).**
The presentation gives an overview of the approach to BiCRS in the U.S. by the Department of Energy's Office of Fossil Energy and Carbon Management (DOE/FECM). Many point-source carbon capture technologies developed by DOE/FECM over the last 20 years for power sector applications can be applied to mitigate CO2 emissions from industrial facilities. DOE/FECM's near-, mid-, and long-term priorities for the power sector and industrial sector involve the development of BiCRS as a CDR approach through FEED studies, pilot-scale testing, and demonstration projects.

UK
Charlotte POWELL
Head of BioEnergy and Carbon Removals - Innovation Delivery, **Department for Business, Energy and Industrial Strategy (UK)**
This presentation explains the overview of the approach to BiCRS in the UK, including R&D into biomass feedstocks and Hydrogen BECCS. It also addresses the approach being taken to First of a Kind infrastructure in development, and the anticipated best use of biomass in support of Net Zero.

Australia
Warren FLENTJE
Commonwealth Scientific and Industrial Research Organisation (CSIRO) (Australia)
Australia has a long history of work on carbon capture and storage along with significant biomass resources. Recently focus has turned to CCS hubs as a means to enable multiple capture streams including BECCS and BiCRS, in addition to biomass resource mapping and visualisation tools.

European Commission
(tbc)

14:50-15:00 Summing Up

Registration:	https://gaiax.webex.com/weblink/register/r77ccce763f2445efde8ce0ee952b6a00 Registration close: January 10, 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: Dr. Akiteru MARUTA, Technova Inc. maruta@technova.co.jp For questions on registration and webinar: BORDER Inc. admin-01@borders.co.jp