

Introduction of DAC-U Projects and This Session

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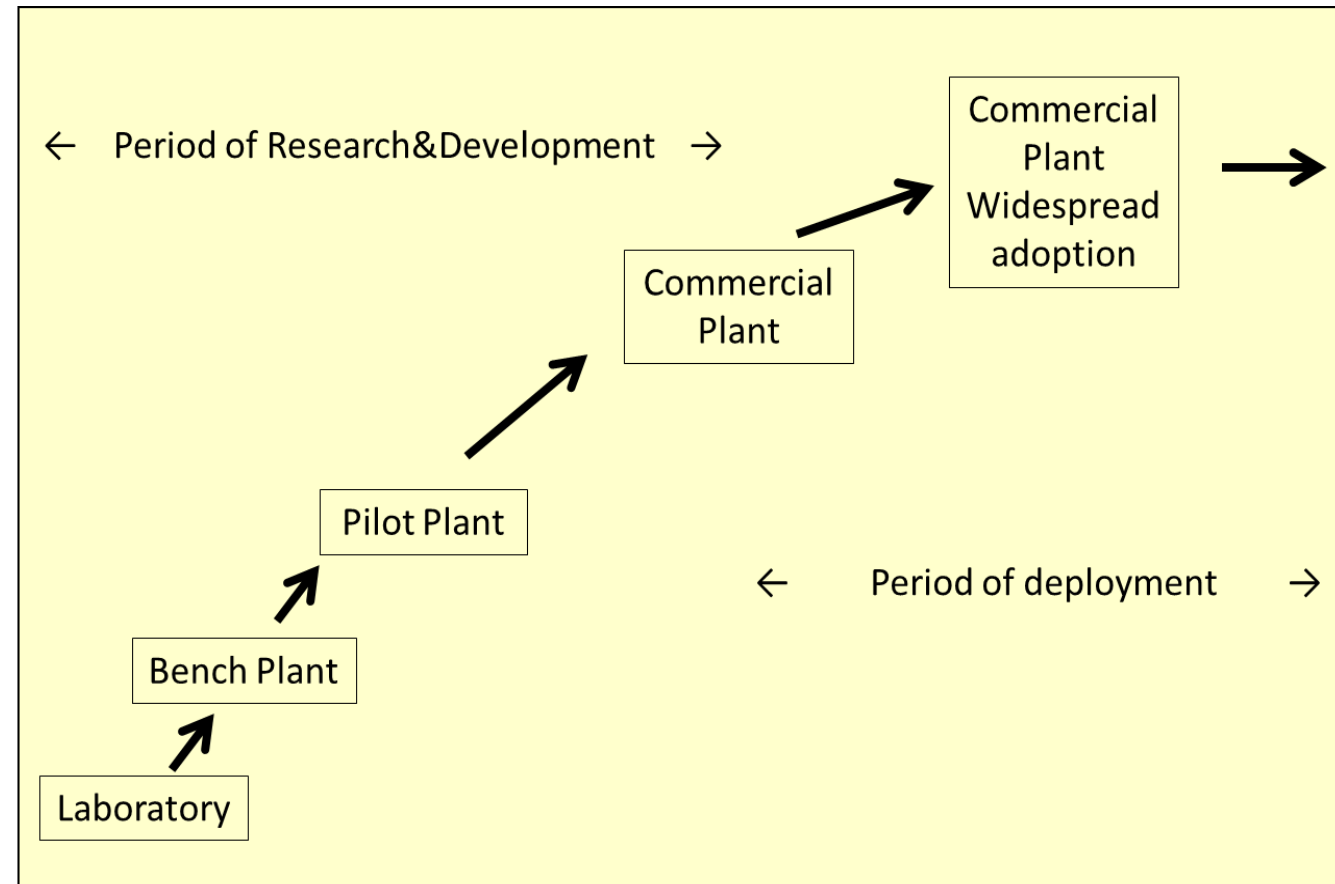
Target of Moonshot Goal 4

Outcome target (2050): The Cool Earth & The Clean Earth

Realization of sustainable resource circulation to recover the global environment. Commercial plants or products utilizing circulation technology will be deployed globally.

Output target (2030): Cool Earth

Development of circulation technology on a pilot scale for reducing greenhouse gases, that is also **effective in terms of life cycle assessment (LCA)**.



2020

2030

2040

2050

Timeline for realization of the MS Goal

Many US Companies Developing DAC-related Technologies

There are many companies are developing DAC-related technologies funded by the national budget in the United States. We recognize that many of them are aiming to commercialize DAC and are working to **improve the energy efficiency of CO2 recovery**.

Climeworks

(Established in 2009)

Carbon Engineering

(Established in 2009)

Global Thermostat

(Established in 2006)

Emissol

(Established in 2014)

Susteon

(Established in 2018)

InnoSeptra

(Established in 2007)

AVNOS

(Established in 2014)

Electricore

(Established in 1993)

Creare

(Established in 1961)

Giner

(Established in 1973)

Verdox

(Established in 2019)

Carbon Collect

(Established in 2018)

GE Research

(Established in 1900)

Cormetech

(Established in 1989)

AirCapture

(Established in 2018)

CarbonCapture

(Established in 2019)

InnoSense

(Established in 2002)

TDA Research

(Established in 1987)

Mosaic Materials

(Established in 2007)

The Program of This Session

Theme: CO2 balance and outlook of the Moonshot DAC-U projects

Title	Speaker
Opening	Host : Dr. YAMADA, Hiroyuki, NEDO
	Program Director : Dr. YAMAJI, Kenji, RITE
Introductory	Host : Mr. MURATA, Jo, NEDO
	Chair : Dr. INABA, Atsushi, LCAF
Keynote (1)	Invited Speaker : Dr. Gregory Cooney, U.S. Department of Energy
Keynote (2)	Invited Speaker : Dr. Volker Sick, University of Michigan
Short Presentation	Project Manager : Dr. KODAMA, Akio, Kanazawa University Dr. SUGIYAMA, Masakazu, The University of Tokyo Dr. NOGUCHI, Takafumi, The University of Tokyo Dr. NORINAGA, Koyo, Nagoya University Dr. FUKUSHIMA, Yasuhiro, Tohoku University Dr. FUJIKAWA, Shigenori, Kyushu University
Panel discussion	Moderator : Chair Panelist : Invited Speakers and Project Managers
Closing	Chair

Moderator



Dr. INABA Atsushi
Expert for Life Cycle Assessment

Panelist



Invited Speakers

Project Managers

