



**CARBON  
RECYCLING  
FUND INSTITUTE™**

Carbon Recycling Fund Institute  
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# Carbon Recycling Fund Institute

Contribution to Developing Innovation by Treating CO<sub>2</sub> as a Resource

## Background and Objectives for Establishment

The global warming issue differs from regional environmental problems such as NO<sub>x</sub> and SO<sub>x</sub> in that it will be crucial to reduce CO<sub>2</sub> emissions throughout the world, meaning the issue cannot be resolved solely on the basis of those regulatory measures already in place.

How to improve the energy access, meanwhile, poses another major challenge, with approximately one billion people around the world still unable to achieve the benefits of electricity.

Given this situation, carbon recycling policies that see CO<sub>2</sub> as a resource to be used and promote innovation in this field are coming to play an important role in Japan's energy policies. Rather than seeing CO<sub>2</sub> in a negative light as has been the case in recent years, it is also recognized that, in order to achieve the goal of carbon neutral by 2050, further efforts will be needed that make active use of CO<sub>2</sub> as a source of carbon.

Accordingly, the Carbon Recycling Fund Institute was established on August 30, 2019 under a private sector initiative with the aim of both addressing the global warming issue and improving the energy access throughout the world. The new institute will foster innovation in carbon recycling by public relations and sponsoring the research and development in the field.

## Overview

**Name** / Carbon Recycling Fund Institute  
**Established** / August 30, 2019  
**Primary address** / 3F Daiwa Nishi-Shimbashi Building, 3-2-1,  
Nishi-shimbashi, Minato-ku, Tokyo 105-0003

**Membership categories (annual membership fee)**  
Corporate members: 200,000 yen / Individual members: 10,000 yen

## Executives

**Chairperson** / Yoshimitsu Kobayashi  
(Chairperson, Mitsubishi Chemical Holdings Corporation)

**Vice Chairperson** / Masayoshi Kitamura  
(Special Counselor, Electric Power Development Co., Ltd.)

**Senior Executive Director** / Masamichi Hashiguchi

**Auditor** / Taiji Yoshida  
(Executive Vice President, CSO, Mitsubishi Power, Ltd.)

## Members (As of 1st March, 2021)

### Corporate members

#### <Chemicals>

- AGC Inc.
- JSR Corporation
- Denka Co., Ltd.
- Toray Industries, Inc.
- BASF Japan Ltd.
- Mitsubishi Chemical Corporation
- MITSUBISHI GAS CHEMICAL COMPANY, INC.

#### <Electric power>

- Electric Power Development Co., Ltd. (J-POWER)

#### <Electric>

- Furukawa Electric Co., Ltd.

#### <Energy>

- Idemitsu Kosan Co., Ltd.
- INPEX CORPORATION
- Japan Petroleum Exploration Co., Ltd.
- Tokyo Eco Service Co., Ltd.
- TOKYO GAS CO., LTD.
- NIPPON COKE & ENGINEERING COMPANY, LIMITED

#### <Renewable energy>

- euglena Co., Ltd.
- Geothermal Energy Research and Development Co., Ltd.

#### <Iron and cement>

- Kobe Steel, Ltd.
- Mitsubishi Materials Corporation
- Nippon Steel Corporation
- SUMITOMO OSAKA CEMENT CO., LTD.
- UBE INDUSTRIES, LTD.
- TAIHEIYO CEMENT CORPORATION

#### <Trading company>

- Cosmos Shoji Co., Ltd.
- ITOCHU Corporation
- Marubeni Corporation
- Sumitomo Corporation
- TOKYO SANGYO CO., LTD.
- MITSUI & CO., LTD.
- Mitsubishi Corporation

#### <Heavy industries>

- IHI Corporation
- Kawasaki Heavy Industries, Ltd.
- Mitsubishi Heavy Industries, Ltd.
- Sumitomo Heavy Industries, Ltd.

#### <Engineering>

- Chiyoda Corporation
- Ebara Corporation
- FUSO Corporation

- JGC CORPORATION
- NIPPON STEEL ENGINEERING CO., LTD.
- Chiyoda Corporation
- Toyo Engineering Corporation
- NGK INSULATORS, LTD.
- HITACHI ZOSEN CORPORATION

#### <Printing>

- Dai Nippon Printing Co., Ltd.
- Toppan Printing Co., Ltd.

#### <Automotive>

- Nissan Motor Co., Ltd.

#### <Consultance>

- Hitachi Plant Services Co., Ltd.
- SHIMIZU CORPORATION
- Shin Nippon Air Technologies Co., Ltd.
- TOA CORPORATION
- F K G Corporation
- Fukuoka K. Gouzai, Inc.
- WAKACHIKU CONSTRUCTION CO., LTD.
- TAIHEI DENGYO KAISHA, LTD.

#### <Banks, Financing>

- Daiwa Securities Group Inc.
- Mizuho Financial Group, Inc.
- MUFG Bank, Ltd.
- Sumitomo Mitsui Banking Corporation

#### <Others>

- Japan Coal Energy Center
- Mizuho Information & Research Institute, Inc.
- SunFlare Co., Ltd.
- The Institute of Energy Economics, Japan
- Tokyo University of Science Foundation
- FUTURE ESTATE Co., Ltd.
- Dome Gold Mines Ltd.
- Central Research Institute of Electric Power Industry
- Utilization of Carbon Dioxide Institute Co., Ltd.

#### Individual members

- Sakanishi Kinuya
- Terashima Chiaki
- Ohno Yotaro
- Sakurai Shigetoshi
- Ueno Hiromoto
- Yoshihara Tomomichi
- Katsu Kinichi
- Horiishi Nanao
- Takeuchi Aya
- Einaga Yasuaki
- Takahashi Tsuneo

**Total:**  
**66 Companies, 11 Persons**

## Structure of Carbon Recycling Fund

### Carbon Recycling Fund Institute

I .Public Relations

II .Grants for R&D  
(Sponsorship of research)

III .Policy Recommendations

For Donation !



Members



International collaboration

## Activities

### (I) Public relations

Along with publishing its own website and a variety of other material to provide the latest information from Japan and elsewhere, the institute will also promote the field of carbon recycling through activities such as events, symposia, and workshops hosted in collaboration with media organizations.

### (II) Sponsorship of research

A number of challenges are blocking the practical use of carbon recycling technologies, including issues of cost and a lack of fundamental research. The institute will sponsor the research by offering grants and other support to researchers and others who are taking on these challenges in the pursuit of innovation.

### (III) Policy recommendations

The institute will offer its recommendations with regard to national policies on energy, the environment, and technology development, and also on the international rule making to facilitate CCUS (CO<sub>2</sub> Capture, Utilization and Storage), including carbon recycling.

## Carbon Recycling Fund website

carbon recycling fund

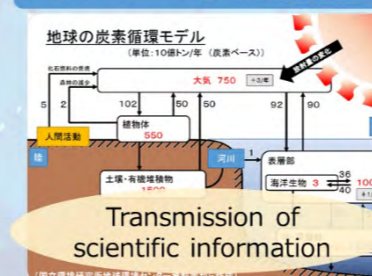
### Carbon Recycling News



Not Decarbonization,  
but Carbon Recycling

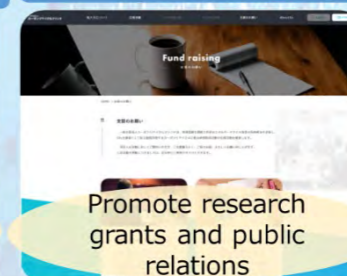
Presented by chairperson Yoshimitsu Kobayashi  
ICEF 2019

### Carbon Recycling World



Transmission of  
scientific information

### Fund Raising



Promote research  
grants and public  
relations

### Sparkling Lab.

Sparkling Lab is a program which post information about carbon recycling by influencers through experiments.



Discussion on the  
importance of CO<sub>2</sub>

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