



26th November, 2025

Carbon Recycling Fund Institute
Chairperson Tsugio Mitsuoka

Congratulatory Statement for Professor Susumu Kitagawa awarded 2025 Nobel Prize in Chemistry

We extend our heartfelt congratulations to Professor Susumu Kitagawa, Director and Vice President of Kyoto University, on his Nobel Prize in Chemistry for the development of metal-organic frameworks (MOFs).

As part of the Carbon Recycling Fund (CRF)'s core activity of research grants, we established a startup category in 2022. The first project selected under this category was "Development of a CO₂ Separation and Recovery Process Using Porous Coordination Polymers (PCP/MOF)" led by Mr. Daisuke Asari, President and CEO of Atomis Inc., for whom Professor Kitagawa serves as Scientific Advisor.

We are delighted that the development of CO₂ separation and recovery systems utilizing MOFs and the creation of containers employing MOFs as adsorbents, pursued under this theme, have contributed to next-generation high-pressure gas containers in projects such as NEDO's "CO₂ Separation and Recovery System from Manufacturing Processes Using Innovative MOF Adsorbents" and the Ministry of Economy, Trade and Industry's "Global South Future-Oriented Co-creation Project." We also look forward to the vigorous promotion of efforts to expand MOF production domestically and internationally, aiming for early societal implementation and practical application.

As CRF, we will continue to support this project to the best of our ability. Furthermore, we will strive to foster innovation, aiming to contribute to regional

revitalization and international collaboration through industry-academia-government partnerships.

【Contact Information】

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