



[DRemoval activities under the Article 6.4 mechanism

[Carbon Mineralization Center] response to information note ATE]

Dear Supervisory Board:

Carbon Mineralization Flagship Center is grateful for the opportunity to provide feedback on the Article 6.4 Supervisory Body's Information note on Removal activities under the Article 6.4 mechanism Version 04.0.

Carbon Mineralization Flagship Center operates locally, serving markets in various industries such as paper, cement, automobile, glass, mining and agriculture. It was founded in 2007, with the mission to address climate change through innovative carbon removal technologies. It is located in Daejeon, South Korea. Carbon Mineralization Flagship Center specializes in advancing Direct Air Capture (DAC) technology. DAC involves capturing CO₂ directly from the atmosphere using specialized systems and processes. Our organization focuses on developing and deploying efficient, scalable, and cost-effective DAC solutions to mitigate carbon emissions. In addition to carbon dioxide removal, our DAC solutions provide several other benefits. Ecologically, they contribute to reducing greenhouse gas concentrations and combatting climate change. Furthermore, the captured CO₂ gas through the DAC system is used for versatile applications such as rare earth enrichment and recovery, coal ash stabilization, CSA production. Carbon Mineralization Flagship Center has another branches in Okgye, South Korea and is currently in the commercial stage, with operational DAC facilities and ongoing partnerships with Hanoi, Vietnam. Our long-term goal is to scale up DAC technology to achieve significant carbon removal. By 5 year, we aim to remove 6000 tons of CO₂ from the atmosphere, making a substantial contribution to global carbon reduction efforts. Carbon Mineralization Flagship Center prioritizes a robust MRV (Measurement, Reporting, and Verification) approach to ensure the accuracy and credibility of our carbon removal activities. Our methods involve continuous monitoring of DAC systems, data analysis, and third-party verification to track and report the amount of CO₂ captured and removed from the atmosphere. This approach guarantees transparency, accountability, and compliance with international standards in carbon accounting and reporting.

The carbon mineralization center appreciate the concerns raised by CDR stakeholders regarding the Supervisory Info Note. The objections highlight some key points that warrant further consideration and discussion. The stakeholders assert that the Info Note's conclusions do not align with current IPCC accounting guidance, which recognizes the need for gigatonne-scale CDR in the coming decades. They also argue that the benefits of long-term storage and its projected role in carbon removal, as assessed by scientific studies, may be misrepresented due to the inclusion of tonne-year crediting. Additionally, stakeholders express objections to the Info Note's framing of CDR as either 'engineering-based activities' or 'land-based activities,' deeming it arbitrary and lacking a scientific basis. They argue that this categorization fails to capture the full spectrum of CDR methods and their potential contributions. Moreover, stakeholders contest the Info Note's argument that 'engineered' CDR solutions are inconsistent with sustainable development goals for the Global South. They believe this assertion to be arbitrary and not reflective of the emerging economic and environmental opportunities presented by various CDR pathways and solutions, including those that have already reached commercialization. These objections

highlight the importance of engaging in a comprehensive dialogue to address the concerns and ensure that the approach to CDR is well-informed and aligned with scientific assessments, sustainable development goals, and emerging opportunities. It is crucial to consider these viewpoints as the Supervisory Body moves forward with its work and decision-making process."

"We hope that our input can be valuable to the Supervisory Body as it continues its efforts and decision-making process."

Sincerely,

A handwritten signature in black ink, appearing to read 'Ahn Ji-Whan', written in a cursive style.

Ahn Ji-Whan

Carbon Mineralization Flagship Center