



Arca Climate Technologies Inc.
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Dear Supervisory Board:

Arca 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.

Arca is developing technologies that accelerate a natural geochemical process called carbon mineralization, the transformation of atmospheric CO₂ into rock. This process occurs naturally over geological timescales and is a crucial part of the Earth's long-term carbon cycle. Our mission is to restore the atmosphere by returning gigatonnes of CO₂ into the ground, where it is safely stored forever.

Arca was co-founded in 2021 by Professor Greg Dipple, Dr. Peter Scheuermann and Bethany Ladd, three geoscientists from the University of British Columbia. The team has made significant contributions to the science of monitoring, reporting and verification (MRV) and is advancing a portfolio of technologies that can accelerate carbon mineralization by millions of times. Arca has been awarded numerous prizes – including the XPRIZE Milestone Award – for its technologies.

Many parts of the developing world possess the right geology for carbon mineralization. For example, rich ultramafic rock deposits are found in southern Africa, South Asia and South East Asia, providing opportunities for economic development, job growth and investment in new projects that will support a number of Sustainable Development Goals.

We would like to encourage the Supervisory Board to consider the following points of feedback:

1. The Info Note's conclusions are inconsistent with current IPCC accounting guidance and acknowledgement of the need for gigatonne scale CDR in coming decades.
2. It misrepresents the benefits of long-term storage and its foreseen role according to scientific assessments, e.g. via the inclusion of tonne-year crediting.
3. The Info Note's Framing of CDR as either "engineering-based activities" or "land-based activities" is arbitrary and not science-based.
4. The Info Note's argument that 'engineered' CDR solutions are inconsistent with sustainable development goals for the Global South is arbitrary and does not reflect emerging economic and environmental opportunities presented by emerging and already commercial CDR pathways and solutions.

We trust that our response can be of use to the Supervisory Body as it moves forward with its work.

Sincerely,

A handwritten signature in black ink, appearing to read "Paul Needham".

Paul Needham, CEO
Arca Climate Technologies, Inc.