UNFCCC Supervisory Body
Platz der Vereinten Nationen 1
53113 Bonn, Germany

Re: UNFCCC's Article 6.4 Supervisory Body's Information note about carbon dioxide removal.

The Carbon/Hemp Blockchain, Inc.
XPRIZE Qualified Team "The Carbon Protocol," response.

Dear Supervisory Board:

The Carbon/Hemp Blockchain, Inc. (TCB) extends its gratitude 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.

Founded in 2021, TCB is dedicated to tackling the critical challenge of climate change through the development and deployment of innovative, agriculture-based carbon dioxide removal (CDR) and storage technologies on a global scale. Our MicroHub solution harnesses the power of industrial hemp as a rotational crop within traditional agriculture to locally produce biochar. By converting Industrial Hemp biomass into biochar through controlled thermal decomposition, we effectively capture and store carbon in a stable form. When applied to soil, biochar not only sequesters carbon but also enhances soil microbial activity, reducing emissions of nitrous oxide (N2O) and methane (CH4) – potent greenhouse gasses. This combination of carbon sequestration and reduced emissions makes biochar a powerful tool for climate change mitigation.

As a commercially established company, TCB's long-term CDR scale goals are set to remove more than 200 tonnes of CO2 per MicroHub per year by 2023, with over 100 MicroHubs planned for Africa alone. This commitment makes a significant contribution to global emissions reduction and demonstrates the scalability of our approach, while also generating multiple co-benefits for adopting communities. Firstly, biochar enhances soil fertility and agricultural productivity. Its porous structure retains water and essential nutrients, reducing the need for synthetic fertilizers and increasing crop yields.

Localized biochar deployment also drives socio-economic impact. By revitalizing rural areas through job creation and training opportunities, we can empower communities and stimulate local economies. Moreover, the production and distribution of biochar and its derived products, such as nature-based fertilizers and clean-burning charcoal, create new market opportunities and economic growth.

At TCB, transparency and accuracy are paramount to our operations. We have implemented blockchain technology and a rigorous Measurement, Reporting, and Verification (MRV) approach to ensure the utmost credibility of our carbon removal activities. Through blockchain, we provide a secure and transparent platform that enables stakeholders to trace and verify the entire carbon removal process, ensuring integrity and trust in our actions.

The Information Note's conclusions appear to deviate from the current accounting guidance provided by the Intergovernmental Panel on Climate Change (IPCC), thereby failing to acknowledge the urgent need for gigatonne-scale CDR in the coming decades.

The Information note's categorization of CDR as either "engineering-based activities" or "land-based activities" lacks scientific grounding and appears arbitrary. We firmly believe that carbon removal solutions should not be confined to rigid classifications but instead adopt a comprehensive approach that integrates engineering advancements with land-based strategies. By embracing an inclusive perspective, we unlock the full potential of diverse CDR pathways.

The Information note's argument suggesting that "engineered" CDR solutions are incompatible with sustainable development goals for the Global South is a misrepresentation of the emerging economic and environmental opportunities presented by various commercial CDR pathways. Our MicroHub solution, which utilizes Industrial Hemp as a rotational crop, serves as a prime example of how engineered solutions can align with sustainable development objectives. By promoting rural livelihoods, ecological restoration, and economic growth, our approach empowers communities while contributing to global climate targets.

In conclusion, TCB expresses deep appreciation for the opportunity to provide input and hopes that our response, which emphasizes the diverse range of CDR pathways and the socio-economic benefits they offer, will contribute to the ongoing work of the Supervisory Body. We remain steadfast in our commitment to advancing sustainable solutions and driving significant carbon removal at scale.

Sincerely,

Daniel Higbee
Founder/CEO
The Carbon/Hemp Blockchain, Inc.