

Taking Action on N₂O: The Imperative for Inclusion in Article 6.4 to Combat the Climate Emergency

N₂O, is the third most impactful anthropogenic emitted greenhouse gas. It is also a highly potent greenhouse gas with a radiative forcing over 300 times greater than CO₂ and a lifecycle of 100 years, it significantly contributes to global warming. Every year, billions of CO₂eq tons of N₂O are emitted globally. Given its substantial contribution to climate change, addressing the reduction of N₂O emissions is crucial in mitigating the impacts of global warming and working towards a more sustainable future.

Bomvento's mission is to prevent irreversible climate change. We are developing a scalable (>50 million tCO₂eq by 2030), economical (cost <\$50/t CO₂eq removed) solution for removing N₂O from the atmosphere.

We are the first company to develop a viable approach and technology for removal of N₂O from the atmosphere. By leveraging our proprietary approach, we have the potential to make a substantial impact on reducing N₂O concentrations in the atmosphere and significantly contributing to the avoidance of irreversible climate change. Our technology transforms wind turbines into dual purpose assets, in addition to generating electricity from renewable sources, our wind turbines also remove N₂O at scale from the atmosphere. At the core of our technology is photocatalysis, which allows the reduction of N₂O to N₂ and O₂, environmentally benign products.

In light of the current market dynamics and the prevailing emphasis on CO₂-based credits, we firmly advocate for a dedicated focus on N₂O emissions, drawing parallels to the importance placed on addressing methane emissions. It is essential to implement proactive public policies that encompass comprehensive measures for N₂O reduction and removal, serving as powerful incentives for emitters, catalysts for entrepreneurial ventures, and magnets for substantial private sector investments in N₂O mitigation initiatives. By recognizing N₂O and adopting a forward-thinking approach, we can drive meaningful progress towards a sustainable future.

Without the inclusion of N₂O, ourselves and other companies addressing critical contributors to global warming might have a significant challenge in developing solutions that address global warming, as it will be significantly more challenging, if not impossible, to attract the capital required for the R&D and scale up required.

Thank you for your valuable time and consideration.

Best regards,

Yuri Tsitrinbaum, Co-Founder and Co-CEO, Bomvento

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