

**Urgent Need for the Inclusion of Methane Removal, Sequestration and Avoidance
in Article 6.4 to Address the Climate Emergency**

1. Methane (CH₄), the second most impactful greenhouse gas, accounts for approx. 30% of global warming.¹ With a short lifespan of approx. 12 years, its radiative forcing is 86 times greater than CO₂ on a 20-year scale. Therefore, **reducing and removing methane emissions from the atmosphere must be a leading strategy to address the climate emergency.**
2. **The Methane Pledge, signed by 150 countries², recognizes that addressing methane emissions has the greatest potential for keeping global warming below 1.5°C.**
3. “Carbon Twist” is an Israeli startup. We are developing a **machine that will remove methane from the atmosphere** from different sources of emissions. Our first machine, designed to be installed in cowsheds, will suck the methane-rich air from the shed and clear it from methane (see Figure 1).



Figure 1: CarbonTwist Methane Removal System

4. CarbonTwist has completed an impressive seed round that has fueled our lab advancements. Our plan entails deploying the **first pilot machines during 2024 with the potential to scale up fast and reach the scale of more than a Mega-ton CO₂eq per annum by 2029.**
5. **Currently, the only methane emissions compliance market is the gas industry, leaving little to no motivation for corporations from other**

¹ <https://www.ipcc.ch/assessment-report/ar6/>

² [Homepage | Global Methane Pledge](#)

methane emitting sectors to tackle their own emissions or compensate for them.

6. Moreover, even though 'CO₂eq' that should, by definition, allow trading of Methane based credit, companies like ours face great challenges during discussions with potential financiers, buyers and brokers. Buyers who emit CO₂ prefer to buy "CO₂ based" credits, and Markets prefer to focus on known credits.
7. **We acknowledge the presence of other companies in the climate tech community working on solutions for methane emission reduction and removal.** These encompass a range of innovations, such as methane removal techniques for the cattle industry or the coal mining industry. Additionally, reduction solutions, including food additives to cattle, and micro biogas devices are being developed. We anticipate further advancements under improved and inclusive carbon market conditions.
8. We firmly believe that addressing **methane can provide humanity valuable time to develop and implement long-term solutions for tackling CO₂ emissions**, which is an urgent necessity.
9. We firmly believe that **the strongest driver for rapid decarbonization must come from effective top-down public policy** motivating emitters to seek solutions and foster much needed entrepreneurship and private sector investment in abating short-lived climate pollutants, like methane.
10. **We strongly believe in the importance of Article 6** and pray it will be the foundation for a global carbon credits system.
11. **For all of the above, we request that methane emissions, especially removal, be included holistically and considered in the important forthcoming Article 6.4.**
12. Yours Truly,



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