



## PRESS RELEASE

# MASH Makes and Carbonfuture partner to provide unprecedented 50,000 tonnes of effective carbon removal

*Freiburg, October 17<sup>th</sup>, 2022 – The signing of a five-year purchase agreement between Indo-Danish cleantech company MASH Makes and MRV platform and carbon credit marketplace Carbonfuture to deliver 50,000 tonnes of CO<sub>2</sub>e, is likely to be the biggest purchase agreement to date in the quickly growing carbon removal space. The partnership represents a major step for Carbonfuture’s mission of providing high-quality carbon removal in the gigatonne-range. MASH Makes’ unique technology platform has the scalability to substantially aid in reaching this ambitious target. The carbon stores created by MASH Makes’ biochar facility will be measured and monitored through Carbonfuture’s digital platform. After third-party verification by auditors accredited at Carbon Standards International, the resultant carbon removal credits will be sold via Carbonfuture’s integrated marketplace.*

To reach the level of carbon removal the IPCC calls for – 1,000 gigatonnes of CO<sub>2</sub> removed from the atmosphere by 2030 - and to limit global warming to levels well below 1.5°C, the carbon removal market needs to scale. Alongside substantial investment in existing and emerging carbon removal technologies, stringent standards, high-quality MRV (monitoring, reporting, verification) and accounting methods are needed to ensure the integrity of this growing market. Multi-year purchase agreements, such as the one between *Carbonfuture* and *MASH Makes*, allow for rapid industry growth through guaranteed long-term offtake and a fixed price floor. This reduces friction both for suppliers and buyers in the market.

*“Our mission at Carbonfuture is gigatonne-scale climate impact”, says **Hannes Junginger-Gestrich, CEO at Carbonfuture.** “Not just because we want to, but because it is needed to reach the ambitious targets a just and liveable future requires. For us, and the nascent carbon removal sector, this deal with our trusted partner MASH Makes marks a big step. It represents all the values our company is built upon: transparent, science-based and trustworthy removal credits, delivering a new tier of quality to an emerging market we so desperately need. And all that not only without harming nature, people and planet, but by leaving them off a little better than we found them in the first place. It’s no longer only about reducing our fossil footsteps, it’s about actively leaving a massive handprint of positive change.”*

The drastic pictures of smog in India and the rising air pollution are a direct result of stubble burning, the open field incineration of crop residue that is left post-harvest. Over the past years, *MASH Makes* has been piloting a project in Maharashtra, that tackles this crucial issue with a novel strategy – utilizing crop residues as the feedstock for its fuel production process, with the goal of reaching a point where any type of biomass residue could be used as a feedstock (the modular and decentralized plant already has the capacity to deliver more than 20,000 tCO<sub>2</sub>e every year). With the pyrolysis of biomass, *MASH Makes* has developed a state-of-the-art carbon negative solution that valorizes biomass residue that would have otherwise been burnt in an uncontrolled environment. Instead, it produces biochar and sequesters carbon for hundreds of years. *MASH Makes* works towards maximizing the co-benefits that come alongside the use of biochar, such as improved water and nutrient retention to remediate depleted soils as well as increase of crop yield. On top of that, access to the Voluntary Carbon Market creates a new stream of revenue for local farmers.

*“Positive impact with decentralized carbon negative energy. It sounds like a contradiction in terms but this is what MASH Makes’ technology produces, every day. Our unique concept elevates the importance of co-benefits to society, the environment, and the economy. Crucially, these should be local, regional and universal. We ensure this through our modular and decentralized approach to carbon removal - and thanks to Carbonfuture, we can be assured that the corresponding efforts are measured, monitored and third-party certified by the highest standards out there.”* **Jakob Andersen, CEO of MASH Makes.**

In their collaboration, *MASH Makes* will be applying *Carbonfuture’s* unique digital tracking system for carbon removal. *Carbonfuture’s* leading MRV platform builds the basis for the issuance of trustworthy CO<sub>2</sub>-certificates, enabling the carbon preserving application of the biochar behind each removal credit to be granularly traced and known.

## **About MASH Makes**

*MASH Makes A/S* is an Indo-Danish green tech company that aims to have a positive climate impact by producing carbon-negative biofuel. It started as a project at the Technological University of Denmark (DTU) centered around a technology that can convert various waste streams into different energy products. *MASH Makes’* automated machines are able to produce a number of energy commodities like biofuel, hydrogen and electricity from agricultural waste. An important by-product of the process is biochar, a soil amendment that binds CO<sub>2</sub> from the atmosphere and can be used to enrich the soil. In other words, achieving carbon negative energy production or – if rephrased – energy positive carbon removal.

*MASH Makes* was recently listed among [Business Insider's 11 Carbon-Removal Startups to Watch](#) and among the finalists of [Fast Company's World Changing Ideas 2022](#).

For more information, visit: [www.MASHmakes.com](http://www.MASHmakes.com)

**MASH Makes press contact:**

Martin Búza

[marketing.opus@mash-energy.com](mailto:marketing.opus@mash-energy.com)

**About Carbonfuture**

[Carbonfuture](#) is an end-to-end platform for companies who want to participate in removing carbon from the atmosphere. The climate tech startup offers access to high-quality carbon removal and participation in the world's most cutting-edge carbon community. Unlike traditional marketplaces, the combination of *Carbonfuture's* digital platform, project financing tools, and long-term partnerships ensures a new tier of credit quality, while simultaneously reducing friction for growth across the world's most promising carbon removal technologies.

Companies like *Microsoft, Swiss Re, Klarna, and South Pole* trust *Carbonfuture* to help them meet their climate commitments in a transparent, verifiable, and scientifically robust way.

*Carbonfuture* operates globally with offices in Freiburg, Germany and San Francisco, USA. See the latest at [carbonfuture.earth](http://carbonfuture.earth).

**Carbonfuture press contact:**

Theresa Rößler

[theresa@carbonfuture.earth](mailto:theresa@carbonfuture.earth)