

NovoCarbo produces valuable carbon sinks as a method of CO₂ compensation

Verified and financed by carbon credits on the block chain trading platform Carbonfuture

Dörth, 1. December 2020: [NovoCarbo GmbH](#), Europe's leading manufacturer and supplier of premium biochar has successfully met the requirements for launching its carbon sinks on a trading platform. In a first step, NovoCarbo GmbH was certified [EBC-Sink](#). EBC is the highest national and international standard for biochar producers and plant constructors. The sink certificate certifies the sink potential of the production process. Certificates are now traded on the international trading platform [Carbonfuture](#). Being accepted to Carbonfuture stresses NovoCarbo's significance as an important driver of climate change and underlines the company's special role as a finalist in this year's German Sustainability Award (DNP).

NovoCarbo GmbH is a provider of circular economy solutions and corresponding operator concepts. Through pyrolysis NovoCarbo offers an upcycling of biogenic residues towards the output biochar and regenerative heat. Biochar closes cycles and creates climate-positive, certified carbon sinks. It is mainly used in soil production and agriculture and binds CO₂ in the soil remaining stable for centuries. This represents a unique opportunity to remove CO₂ from the atmosphere in the long term and thus to slow down climate change.

NovoCarbo produces biochar using the so-called PyCCS process (Pyrogenic Carbon Capture and Storage). Using [PYREG technology](#) biogenic residues are pyrolyzed such as green waste, nut shells or pomace. At 500°-700°C, the carbons, once extracted from the atmosphere and stored in the biomass, form new, extremely stable compounds in the form of biochar. This biochar is applied to soils or indirectly enters agricultural soils via application in animal feed, stable bedding, liquid manure, compost or through biogas plants. Thus, the young cleantech company is creating terrestrial carbon sinks, which are urgently needed to mitigate global warming.

"Our sink certification is already noticeably stimulating the demand for operator concepts as a vehicle for CO₂ compensation. NovoCarbo then acts as a project developer for circular economy solutions and operates PyCCS plants for industrial customers on their property, or in the immediate vicinity. We are pleased about the constantly growing awareness of this elementary climate protection instrument," says Caspar v. Ziegner, CEO of NovoCarbo GmbH. He adds: "Above all, the overall climate protection performance of our customers can now be monetised. This is the very beginning of an exciting development".

„Many companies want to make an effective contribution in fighting the climate crisis and are looking for trustworthy, often regionally rooted means. Innovative cleantech companies like NovoCarbo and their customers, the users of biochar, are creating carbon sinks. Through our Blockchain platform we verify and trade these sinks to buyers who are committed to effective and straightforward climate protection. In this way they achieve climate neutrality and net zero goals and foster a circular economy," says Hannes Junginger-Gestrich, CEO of carbonfuture GmbH.

About NovoCarbo: NovoCarbo is a leading international manufacturer, supplier and refiner of biochar and provider of circular economy solutions. Through the pyrolysis of biogenic residues to premium biochar and their use in the soil, NovoCarbo closes cycles and creates climate-relevant, certified carbon sinks. The long-term and safe storage of the CO₂ captured in biochar, which is necessary for its climatic effectiveness, is achieved by using the products as soil amendment in agriculture and horticulture or as substitutes for fossil raw materials in industry. The material flow can thus be closed in a CO₂-negative way.

NovoCarbo is a finalist for 2021 [German Sustainability Award DNP](#), nominated for the transformation sector climate. The company, based in Dörth and Hamburg, started with this concept in 2018. It is a founding and board member of the German Biochar Association and the EBI - European Biochar Consortium.

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