

Project type:

Carbon sequestration using
biochar

Locations in Switzerland:

Flaachtal (Zurich) und
Maienfeld (Graubünden)

Project standard:

ISO 14064:2

Location in France:

Argentan/Normandy

Project standard:

Puro.earth

Switzerland and France:

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Auen Pflege Dienst AG

Locations in Switzerland:



Biochar and climate action

Plant-based charcoal, better known as biochar, is a carbon-rich product produced from raw materials derived from vegetables by pyrolysis. It has a wide range of applications, especially in agriculture, animal breeding, and the construction industry. Among other things, biochar provides an improved increase in the water and fertilizer retention capacity of soils and, as a feed additive, promotes overall animal health.

A most unique feature: Due to its high resistance to natural decomposing processes, biochar ensures long-term storage of the bound carbon and thus makes an important contribution to climate protection as a long-term carbon sink. Once bound, the absorbed carbon remains in the soil for many decades and is thus permanently removed from the atmosphere.



**Effective and permanent
carbon sequestration**

The Project

In Europe so far, biochar has only been used by a few agricultural pioneers in agriculture due to its relatively high sales price. The aim of our emission reduction program is to promote the production and wider use of biochar, thereby tapping into the sustainable climate action potential of this innovative technology.

This is made possible with the help of emission reduction certificates. The additional revenue from the sale of the certificates can significantly reduce the direct costs for farmers. At the same time, by ensuring lucrative profits for biochar manufacturers, additional incentives are created for the expansion of production and applied use of biochar. The production and use of biochar are therefore fundamental building blocks of ambitious net-zero emissions strategies.



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