

Herzlich Willkommen im innovativstes Erdenwerk der Welt

Die beste Erde unter der Sonne



**Co-funded by
the European Union**

Gerald Dunst
Datum

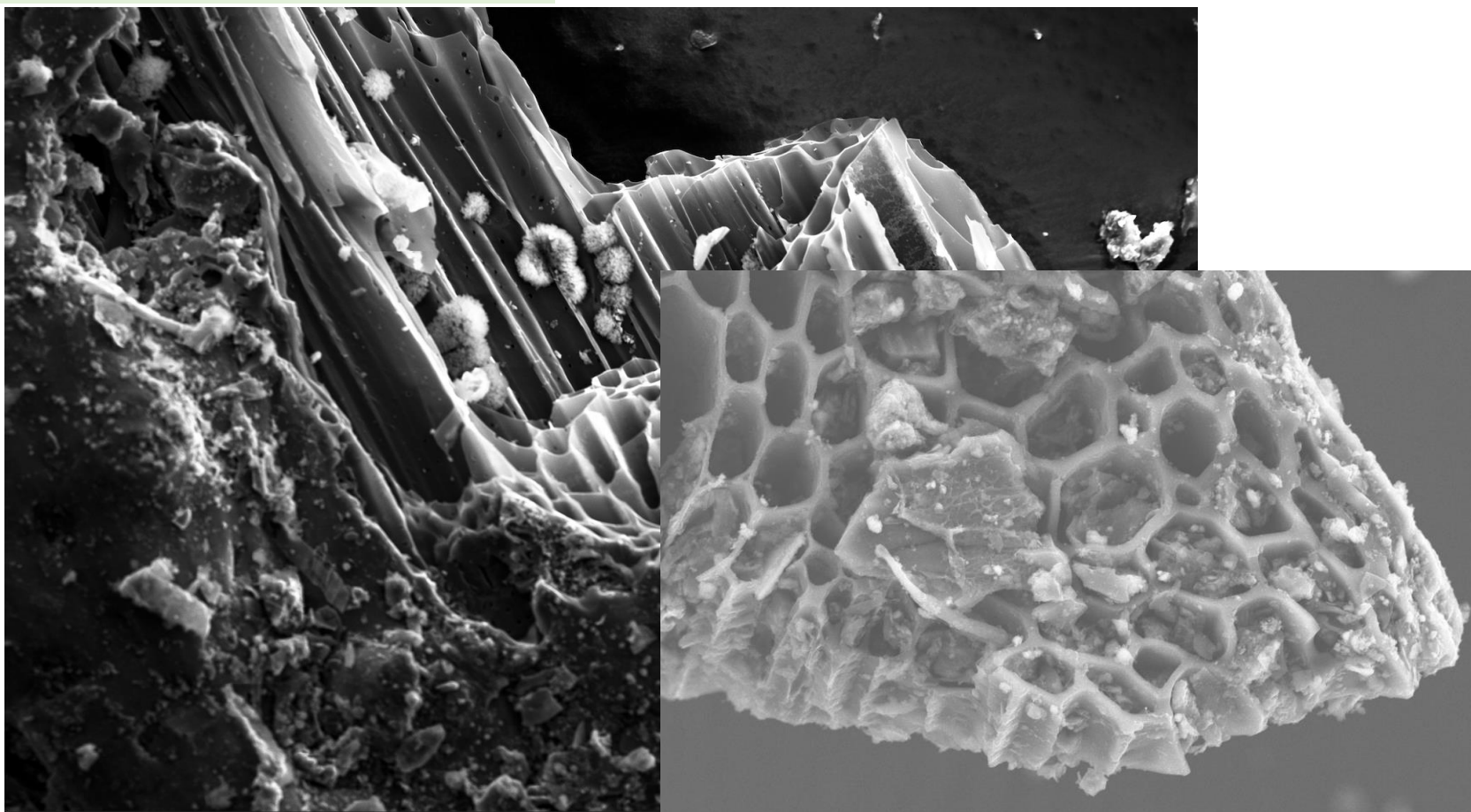
We produce and sell:

- 4 different composts
- 30 different soils
- 2 different biochars
- 20 different biochar products
- Heat and electricity
- CO₂-certificates

Exkursion 2010 - Manaus



Pflanzkohle



30 µm



EHT = 15.00 kV

Mag = 791 X

Signal A = SE2

Date :10 Feb 2017

ESB Grid = 29 V Pixel Size = 372.0 nm

System Vacuum = 1.86e-006 mbar



WD = 8.2 mm

Width = 381.0 µm

Signal B = SE2

File Name = 170210_Kohle_06.tif



Tägliches Messen: Temp. CH₄, CO₂, O₂











Erste abfallrechtlich bewilligte Pflanzenkohle-Produktionsanlage Europas



2012-2024 in Betrieb

Verkohlungsversuche



Aktivierungsversuche



Projekt Sonnenerde:

Siebreste als Rohstoff



Projekt Sonnenerde:

Siebreste als Rohstoff – Nachlagerung der 2.Siebung



Trocknungsbox - Wärmenutzung:



Projekt Sonnenerde:

Siebreste als Rohstoff – Waschen der zweiten Siebung



Projekt Sonnenerde:

1. Siebreste als Rohstoff



Projekt Sonnenerde:

Siebrete als Rohstoff: Hacken der gewaschenen Siebrete

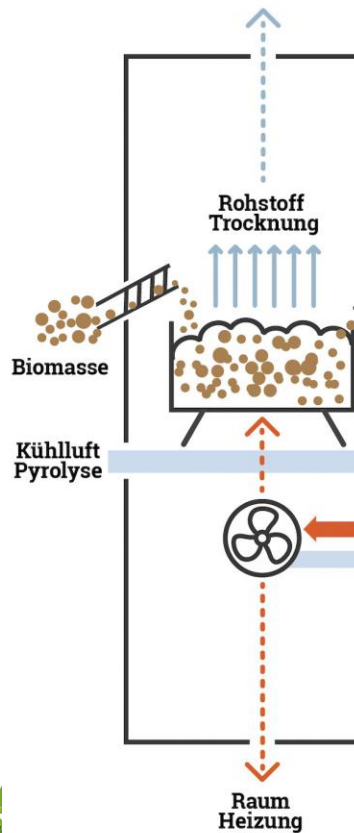


Fertiger Rohstoff für Verkohlung

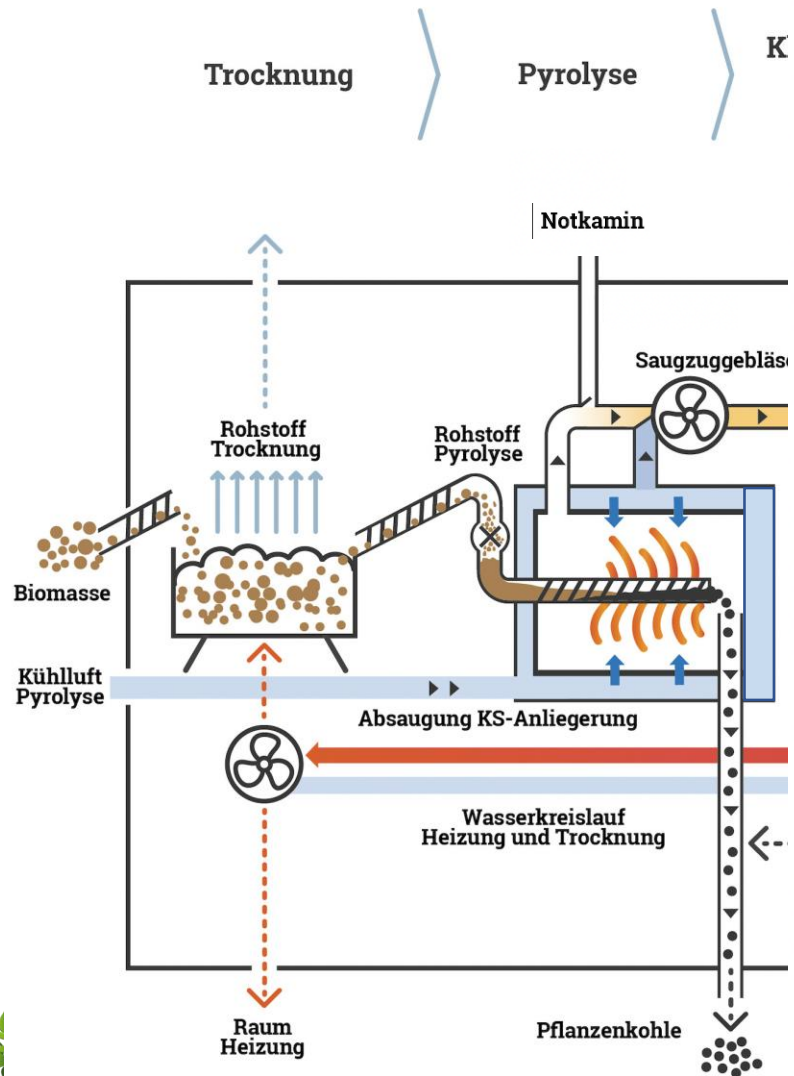


Sonnenerde Pyrolyse-Anlage

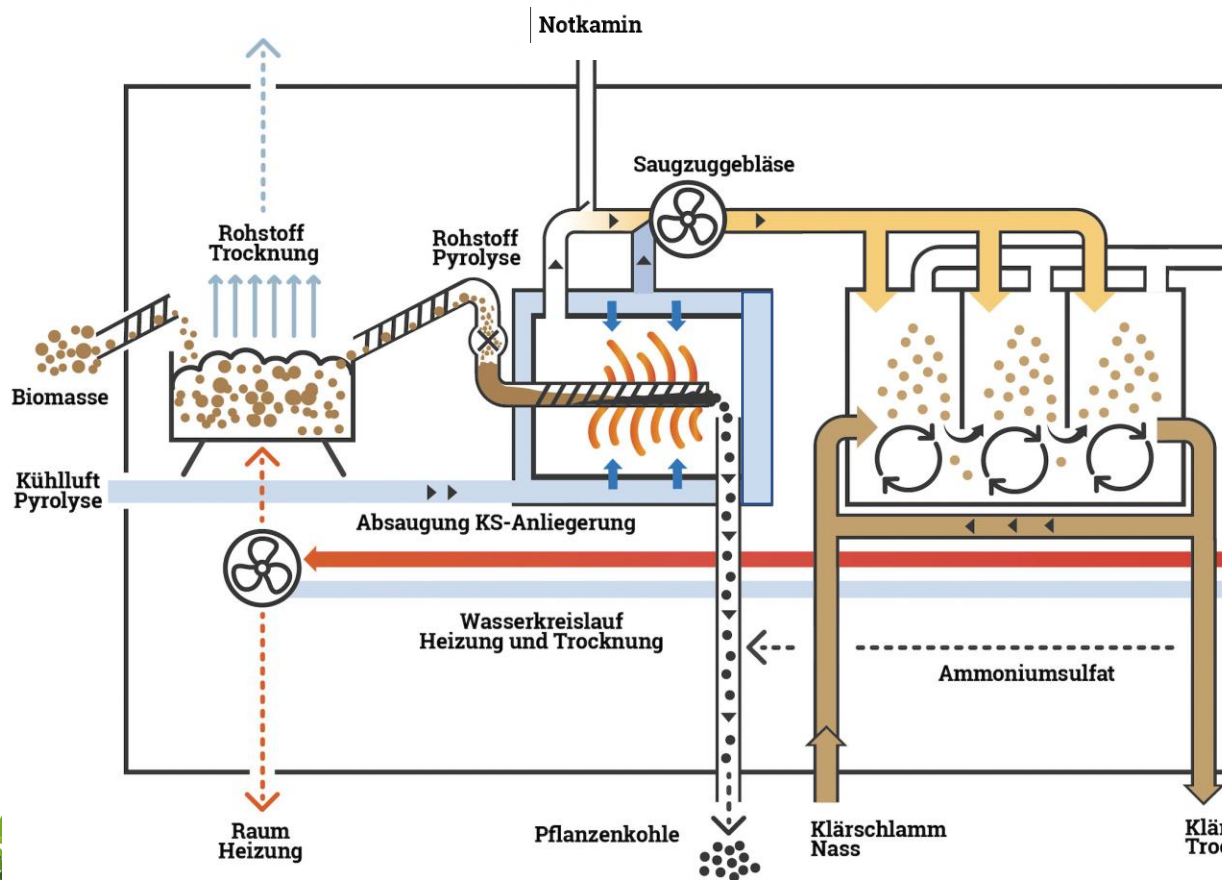
Trocknung



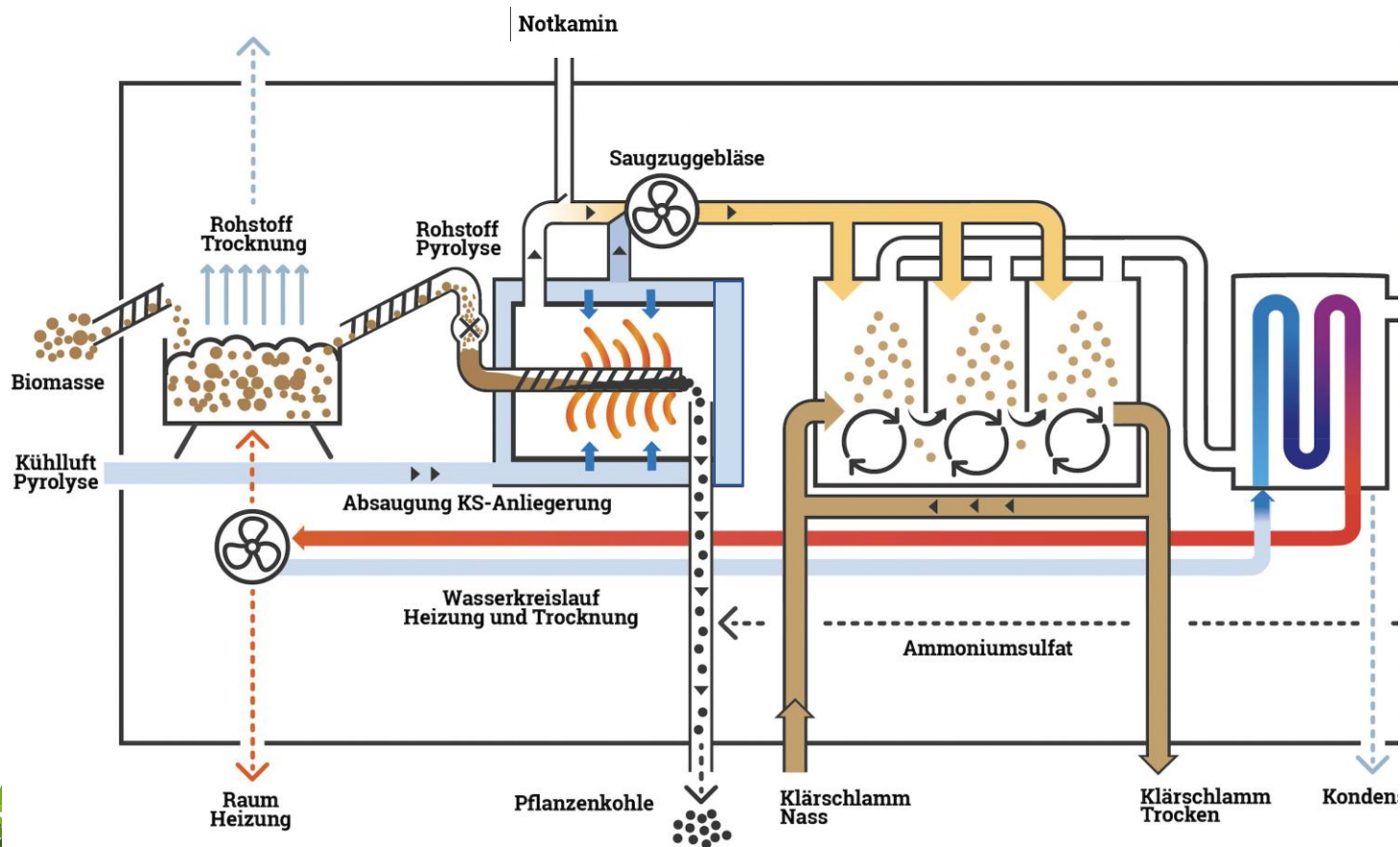
Sonnenerde Pyrolyse-Anlage



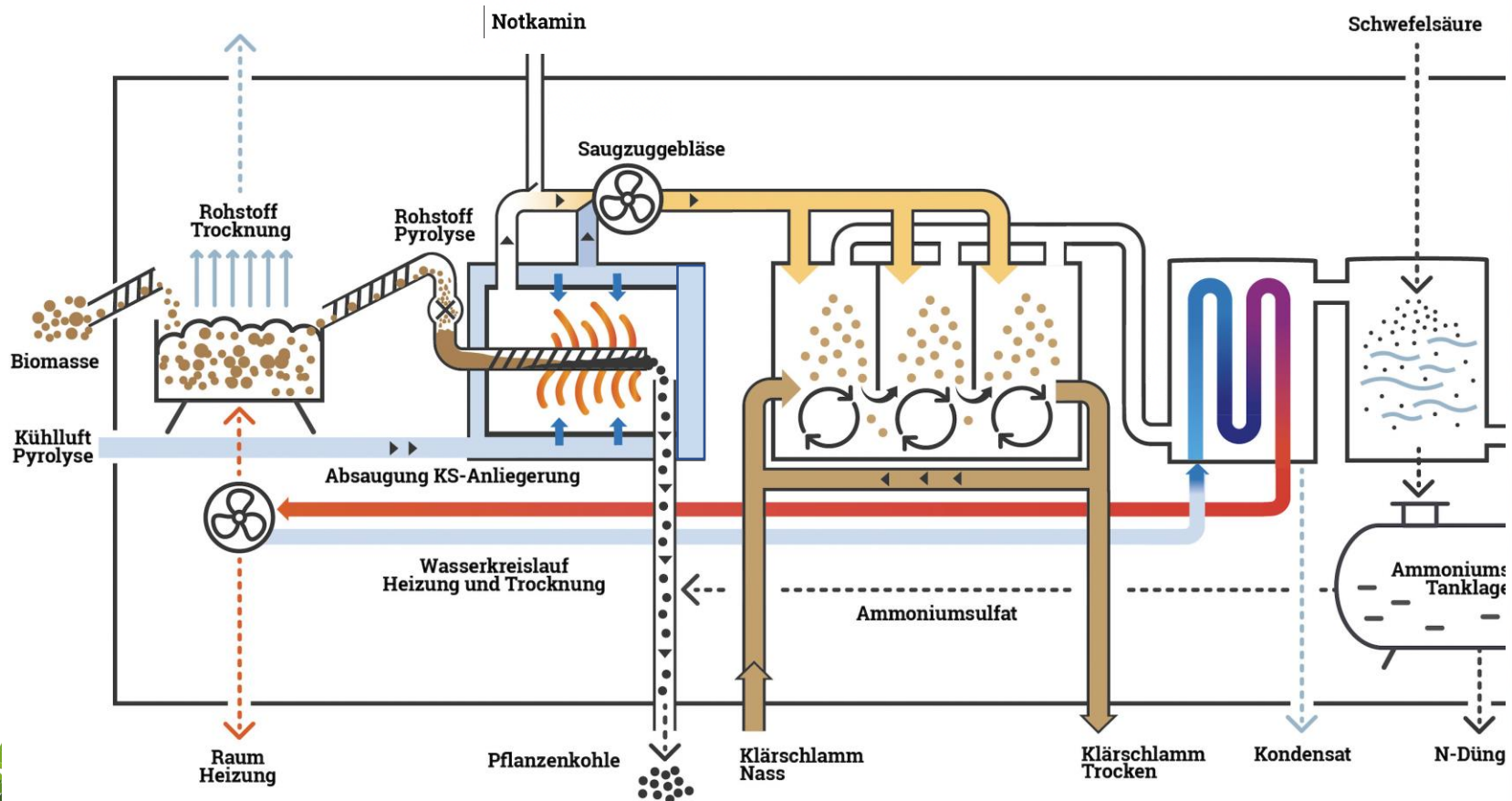
Sonnenerde Pyrolyse-Anlage



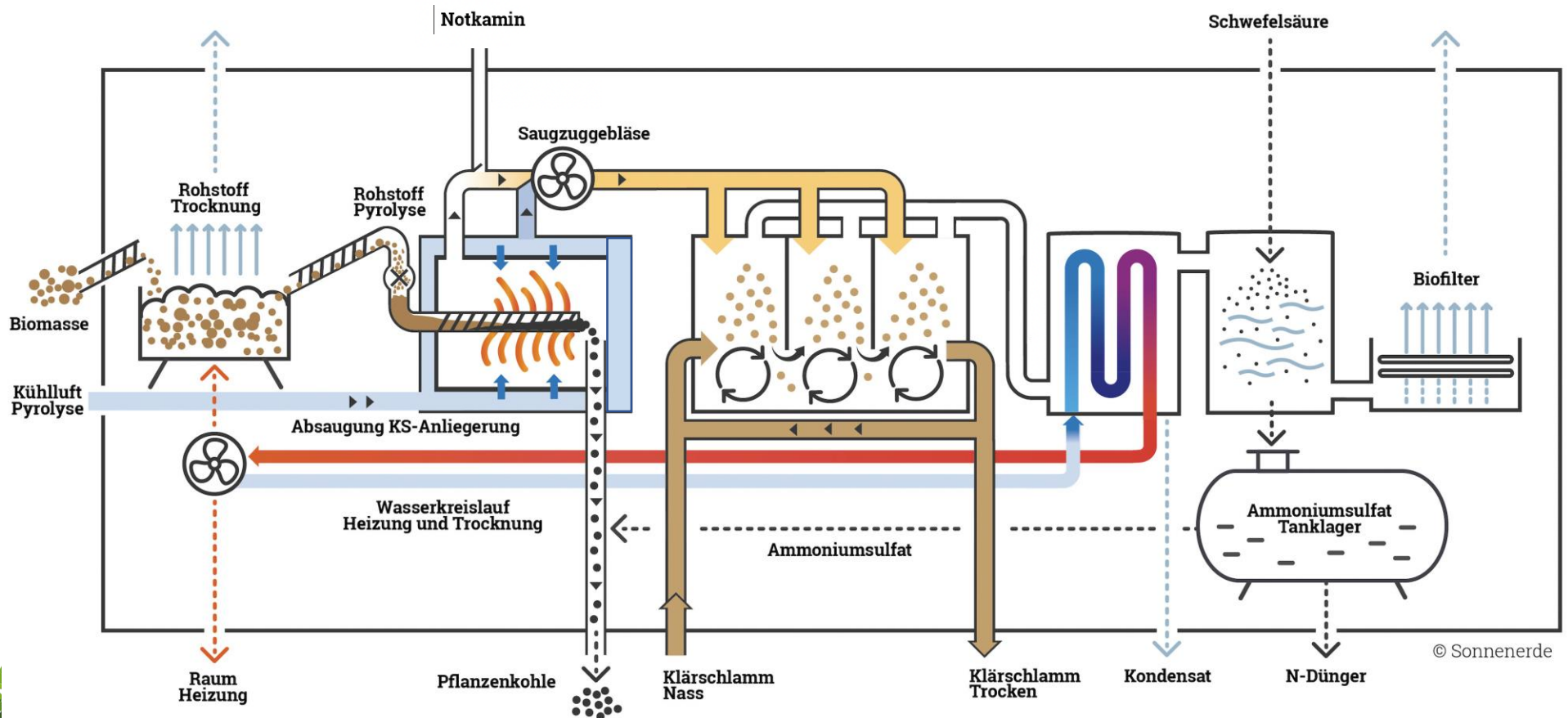
Sonnenerde Pyrolyse-Anlage



Sonnenerde Pyrolyse-Anlage



Sonnenerde Pyrolyse-Anlage



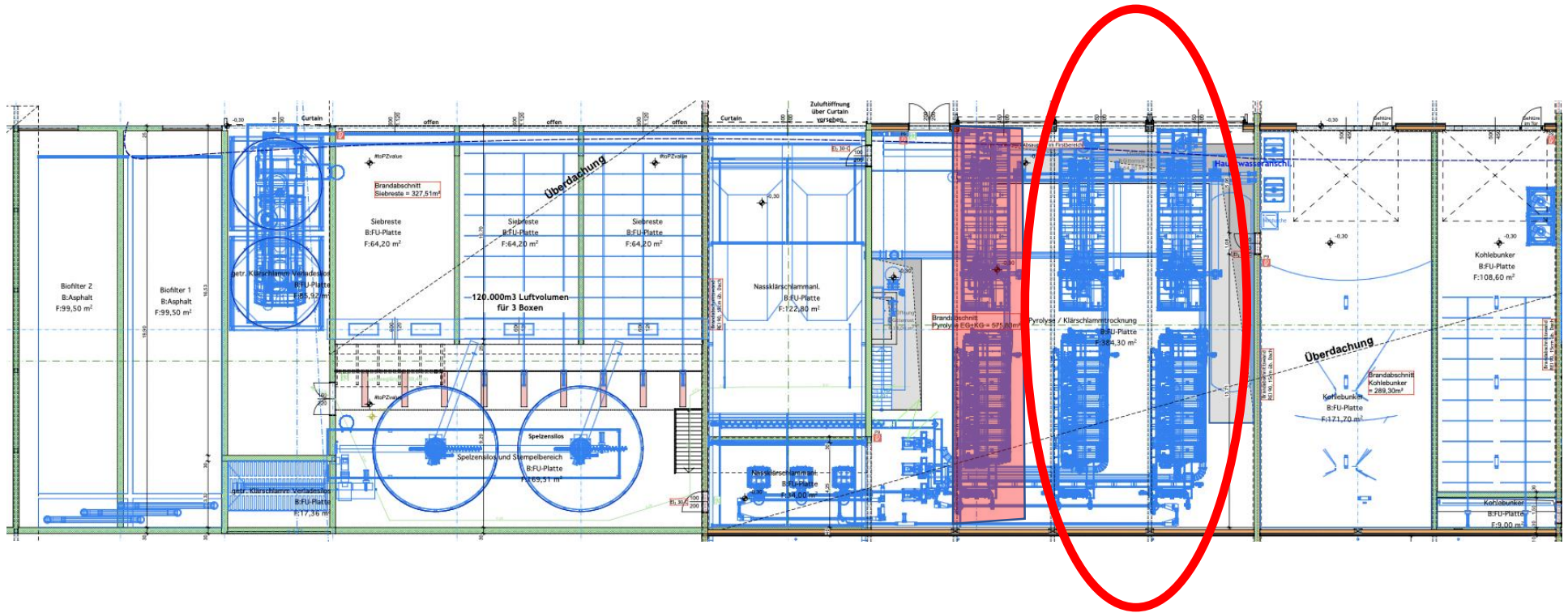
Neue Produktionsanlage „Kohloss“:



Neue Produktionsanlage „Kohloss“:



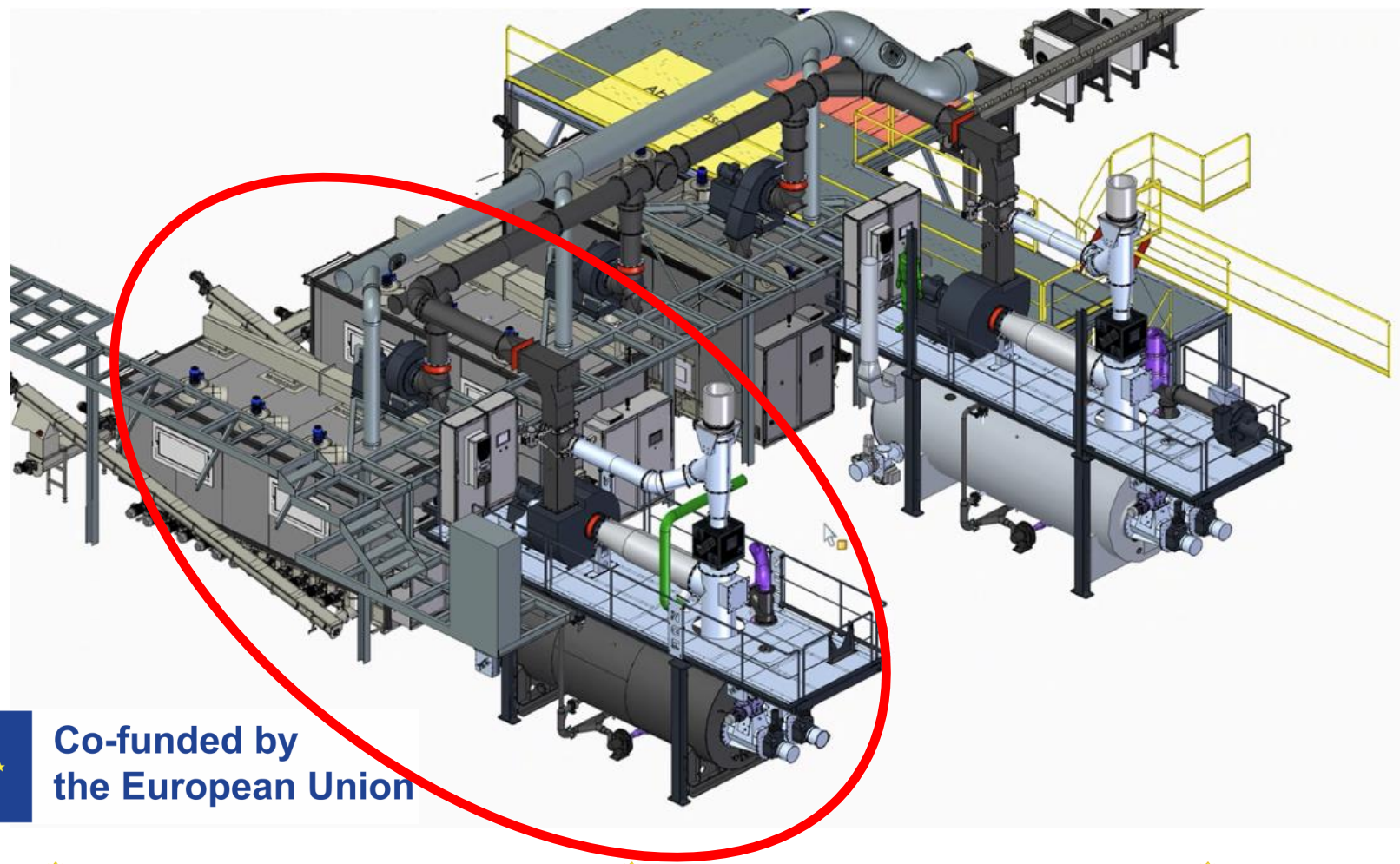
Projekt Sonnenerde:





SONNERDE

Projekt Sonnenerde:



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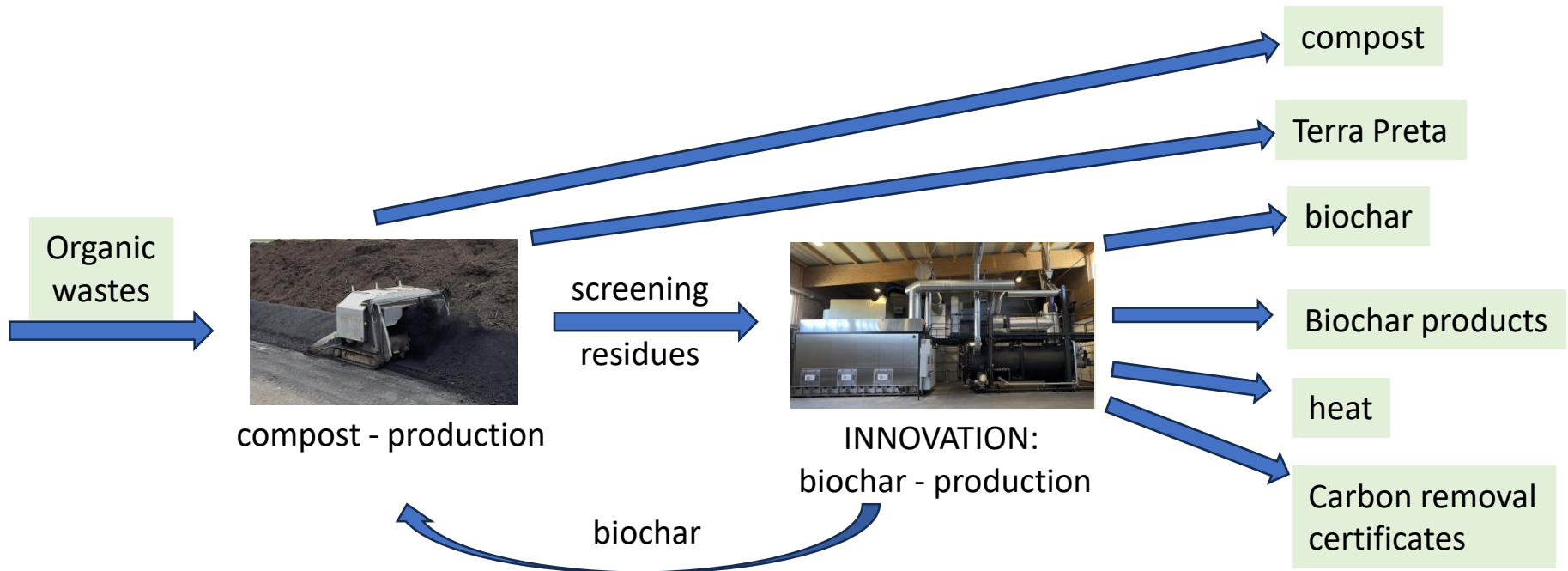
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BIOCHAR-LIFE: Industrial biochar production and product development

Our innovative
solution:

High value-added biochar
products





Co-funded by
the European Union



BIOCHAR-LIFE: Industrial biochar production and product development

Expected results:



2,000 Ton of
CO₂eq/Year



8,000 MWh of
heat energy/Year



1,000 Ton of
biochar/Year



5,000 m³ of
biochar
products/Year





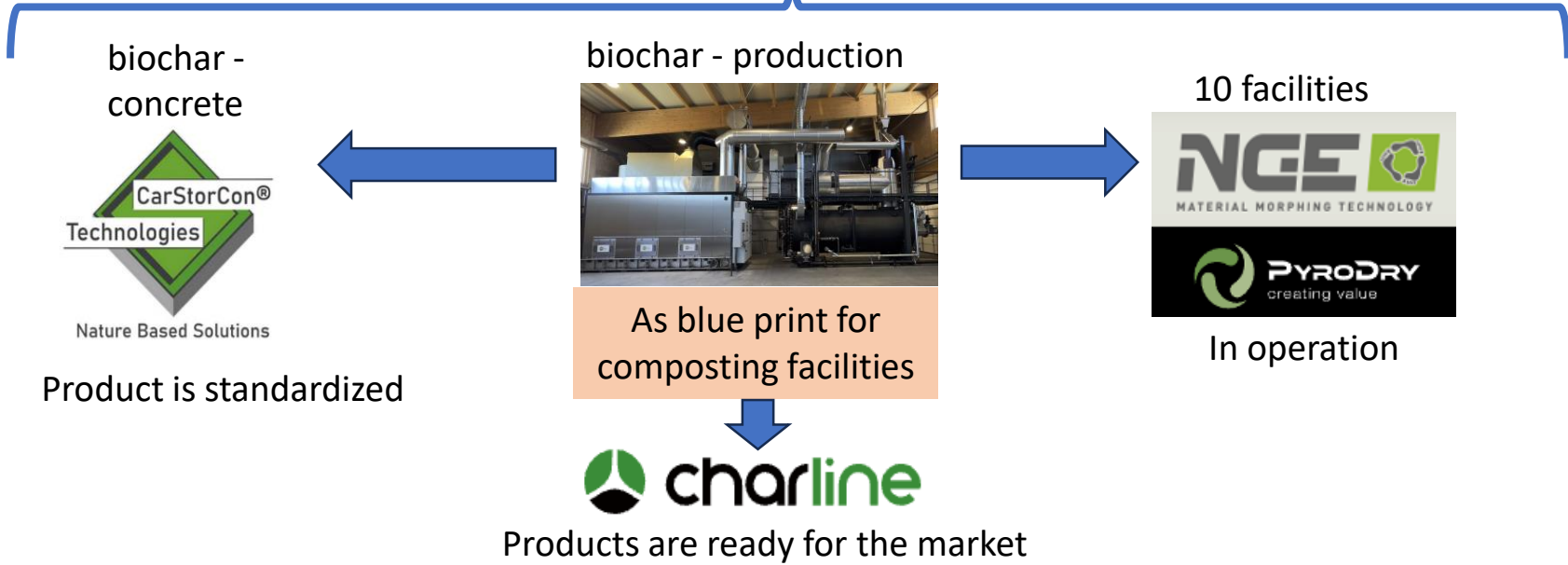
Co-funded by
the European Union



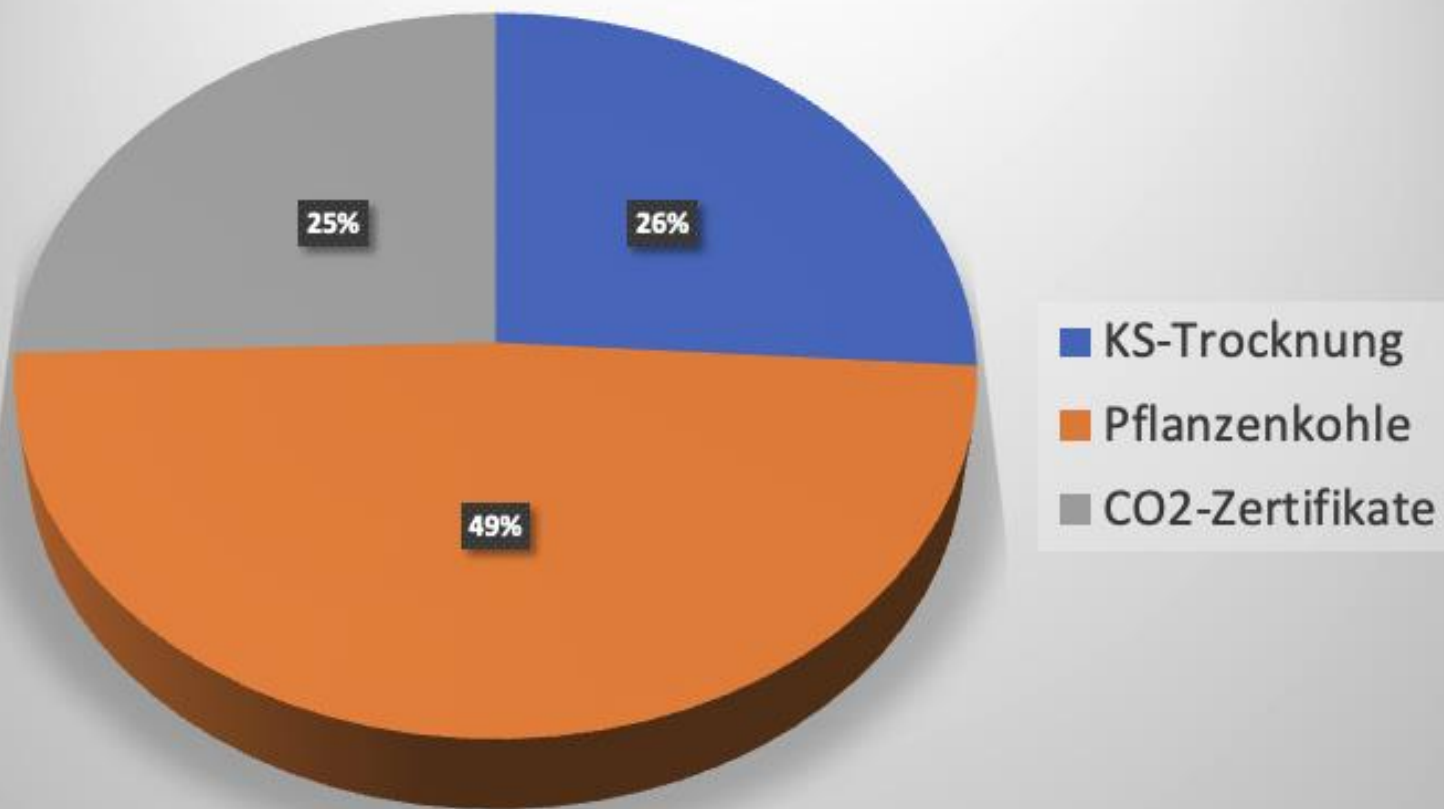
BIOCHAR-LIFE: Industrial biochar production and product development

Communication
and
dissemination

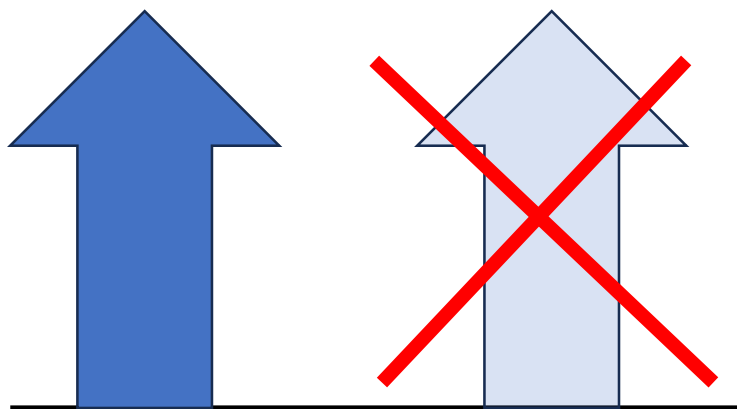
Our legacy in 5
years



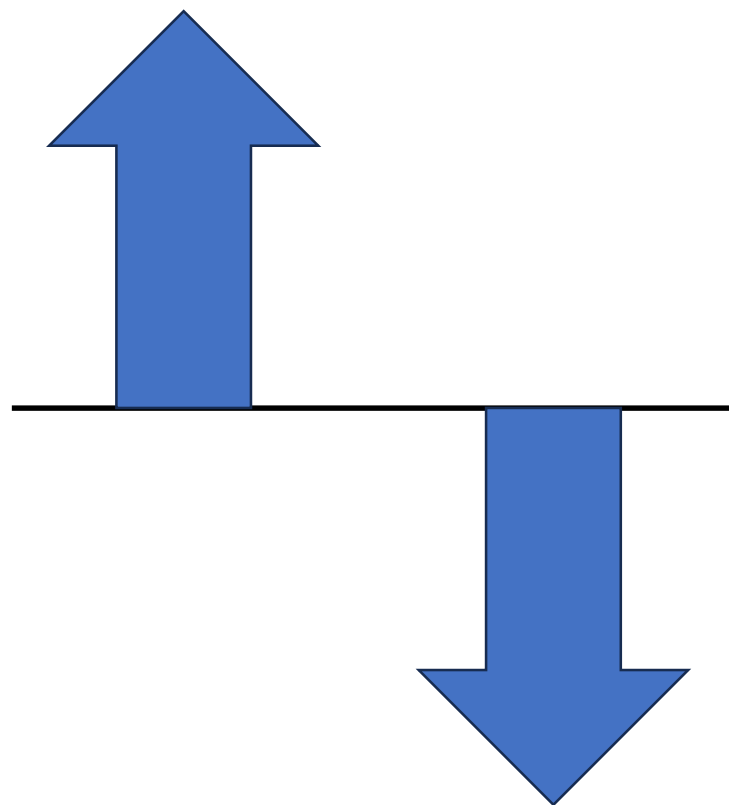
Potential scenario for income in the future



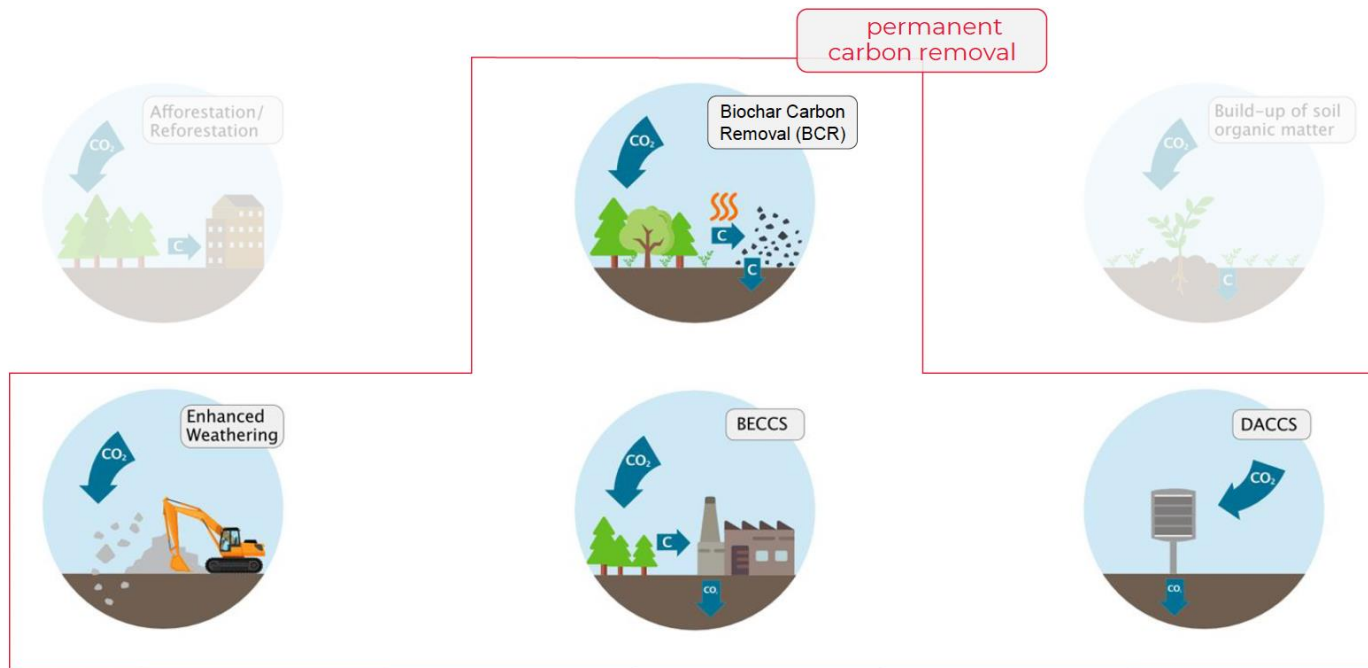
Vermeidungszertifikate:



Senkenzertifikate:

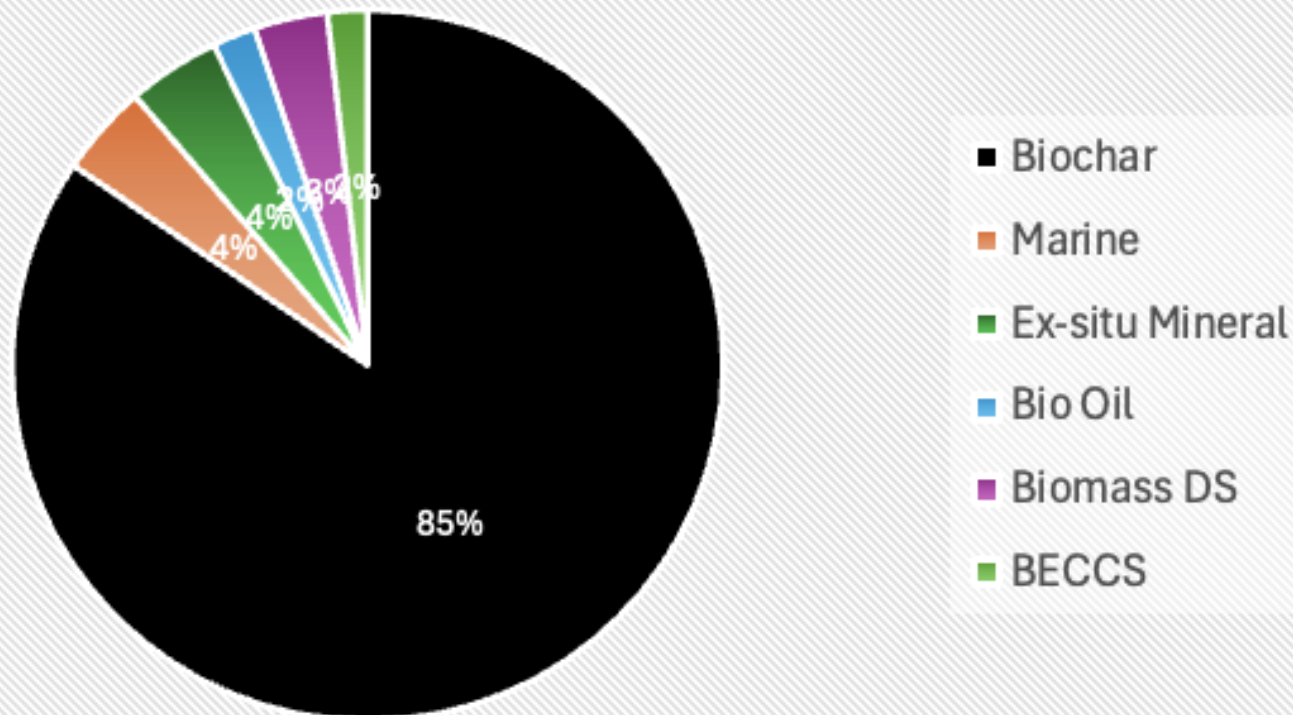


Six highly relevant carbon removal options



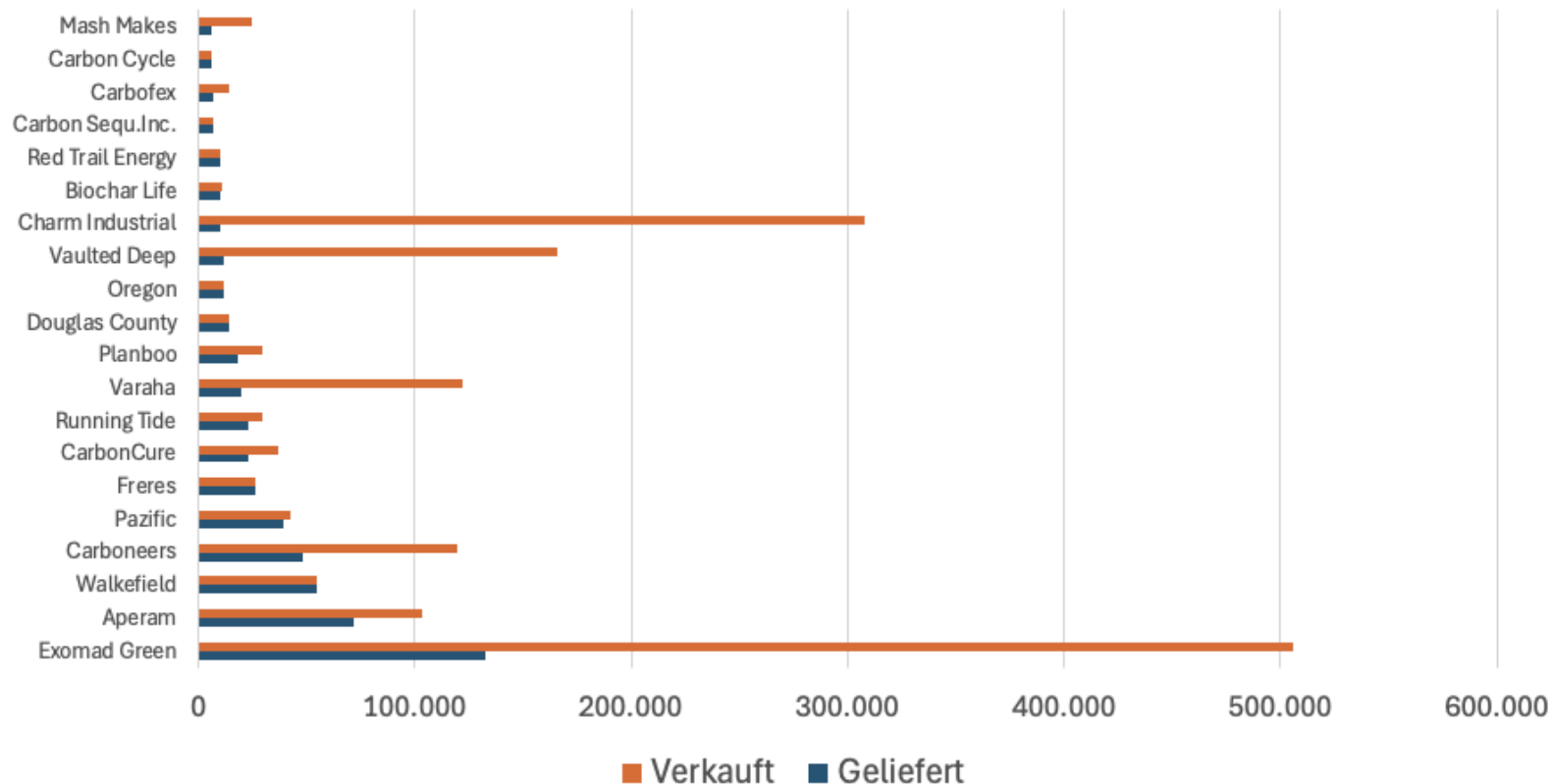
Markübersicht: CDR.fyi:

Gelieferte CO2-Zertifikate

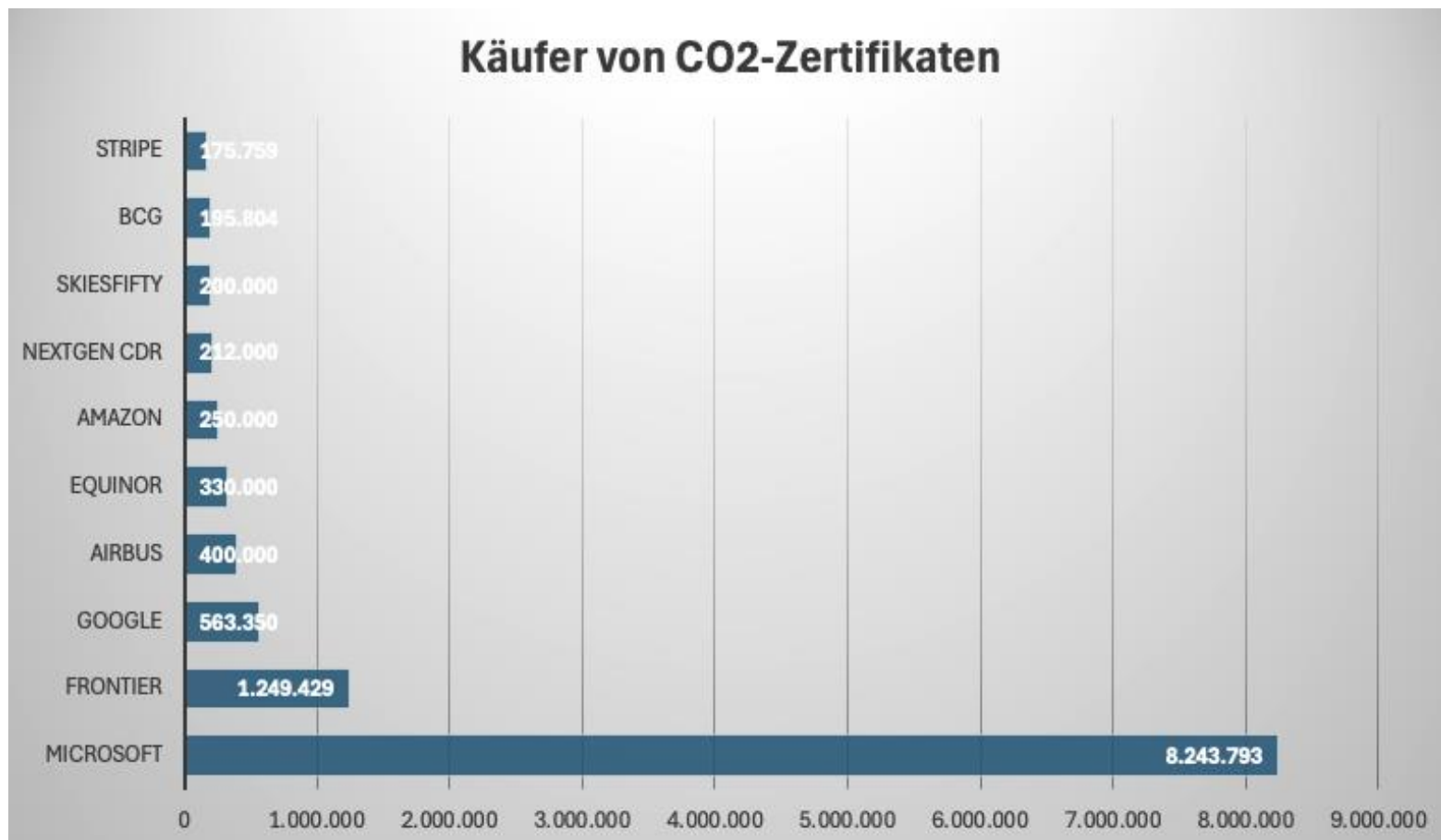


Markübersicht: CDR.fyi:

Verkaufte / Gelieferte CO2-Zertifikat

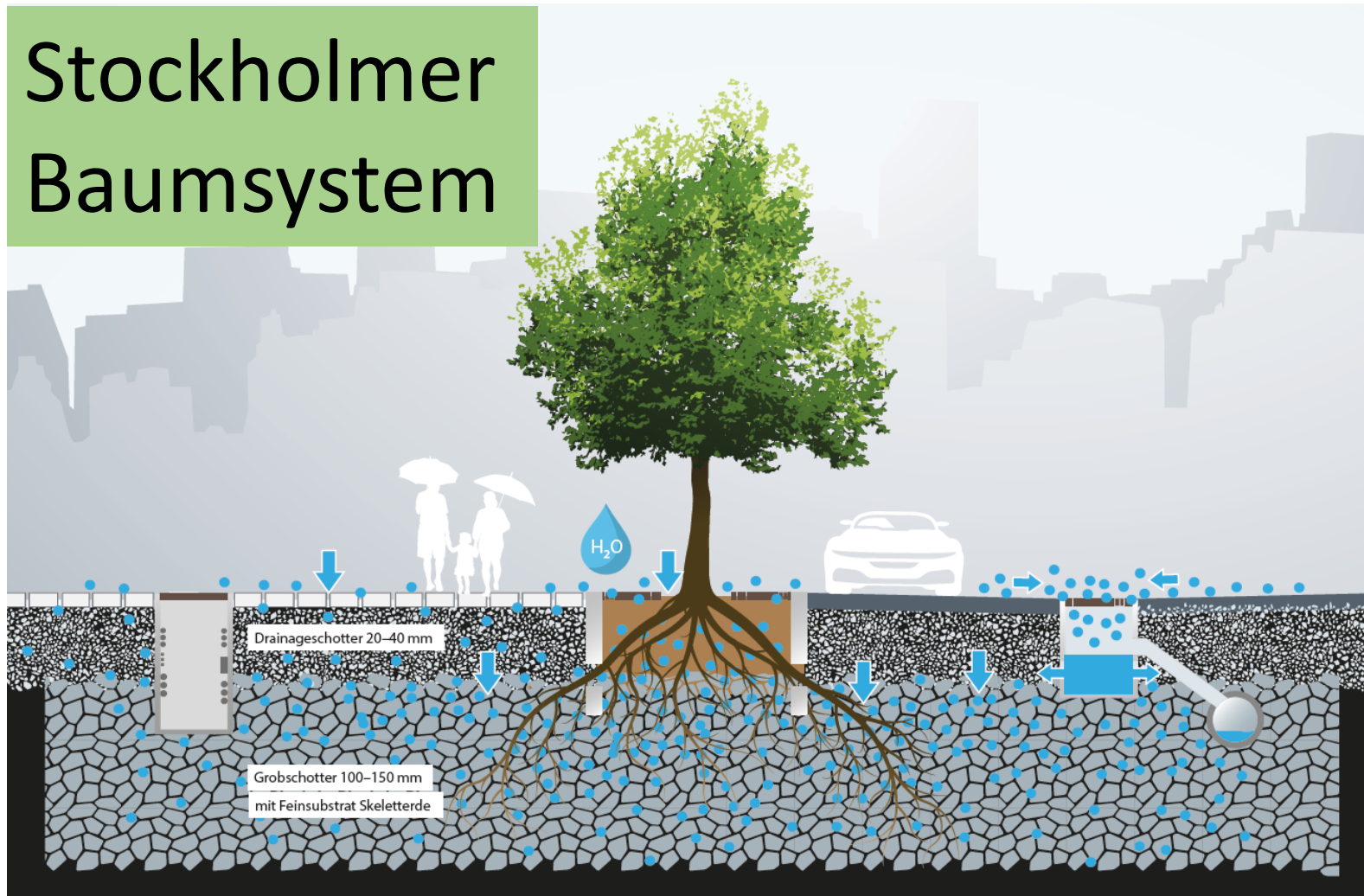


Marktübersicht: CDR.fyi:



Stadtbaum: Wurzelraum

Stockholmer Baumsystem











Vielen Dank!



Kompostierung und Erdenherstellung

Praxisbuch und Anleitung für:
Hausgarten, Landwirtschaft, Kommune und Profi

Gerald Dunst



Gerald Dunst

Humusaufbau

Chance für Landwirtschaft und Klima

2. erweiterte Auflage