

20+

1500+

55⁺

years of experience

business clients contribute to a better climate with our projects and services

international specialists contribute to our team

Accreditations + Memberships:





Technical Partner in the Initiative 20x20



OUR BUSINESS

Our core business activities: Nature-based solutions (NBS) project development and Climate strategy consulting and climate project finance









International Development Coop.

We support international development banks and organizations in planning climate policy frameworks, payment systems for ecosystem services, etc.

References: IKI, NAMA, IDB, EIB, CAF, KfW, GIZ, Int. Water Fund, WorldBank, etc.

Climate Project Dev. and Mgmt.

We perform feasibility studies, DD, PDD-dev., remote sensing and carbon monitoring, carbon methodology dev., KPI dashboard, etc. We pre- and co-finance NBS climate projects.

References: climate projects globally, Bayacao DR, FSC, VERRA, GS4GG, ForestFinance, Vichada Group, etc.

Climate Strategy Consulting

We perform consulting to B2B clients in regards of carbon management / Net Zero Carbon Strategy (GHG emission accounting (PCF, CCF), reduction targets, carbon offset).

References: Heidelberger
Druckmaschinen, Autostadt, VfL
Wolfsburg, and other Bundesliga clubs

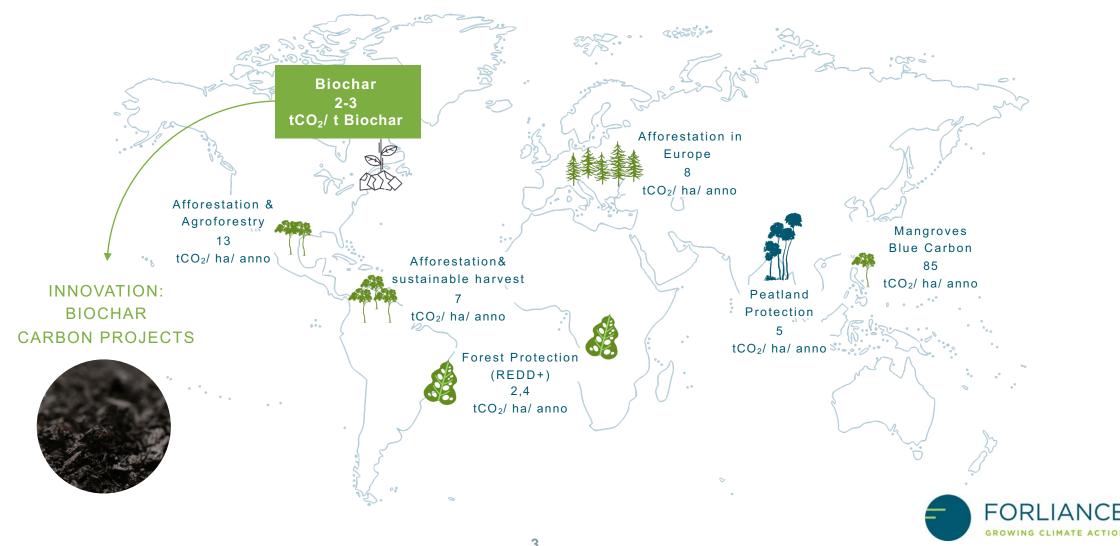
Carbon Credit Sales

We have a strong existing NCS project portfolio (GS4GG, VERRA) and future pipeline. We develop and unlock new project types like Biochar, German Forest

References: DHL, KLM, Zalando, etc.



WE DEVELOP, FINANCE AND MANAGE NBS PROJECTS



BIOCHAR - FEATURES

A Carbon-rich
product of thermal
decomposition of
organic matter
without oxygen

Used as soil
amendment, waste
management,
energy generation
and C-removal

Stable form of
Carbon; after 100
years 74% remains
as sequestered
carbon¹ in soils

C-Removal potential

2-3* t CO₂e/ t of biochar



FEEDSTOCK FOR BIOCHAR PRODUCTION

Several Waste Biomass sources available



Crops residues



Forestry & woody residues



Urban organic waste residues



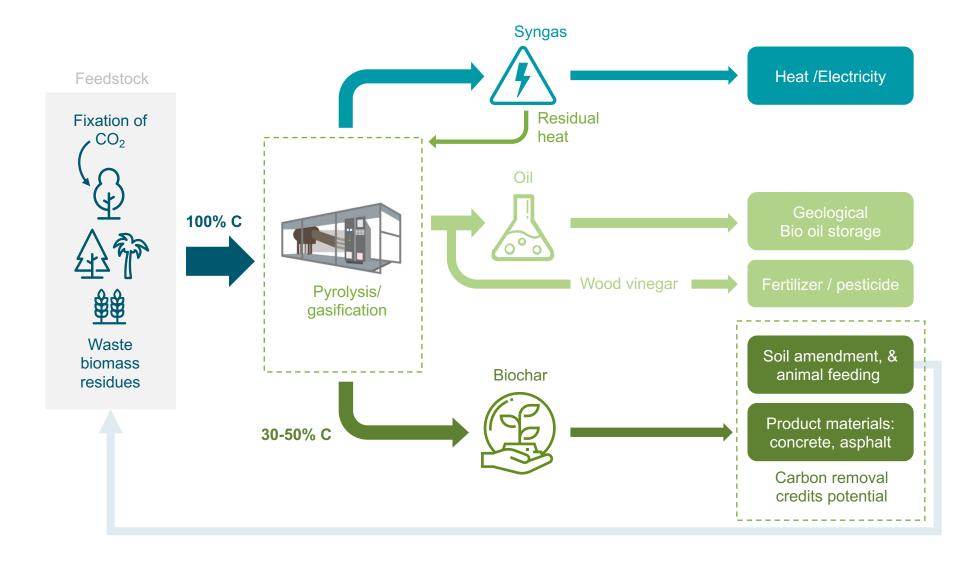
Food processing residues



Animal Manure



BIOCHAR PROCESS

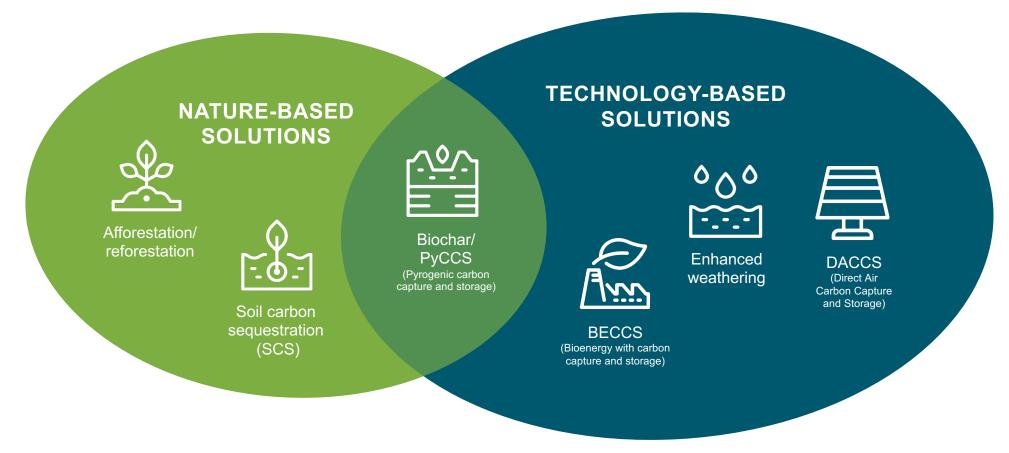


Source: Modified from Schmidt HP: Biochar and PyCCS included as negative emission technology by the IPCC, the Biochar Journal 2018, Arbaz, Switzerland.

CARBON REMOVAL TECHNOLOGIES

- To succeed, all types of C-Sink solutions must be included
- The nature-based solutions come with side-benefits

- The more technical solutions need more research
- · Biochar is an ideal starting point as it is market-ready and measurable

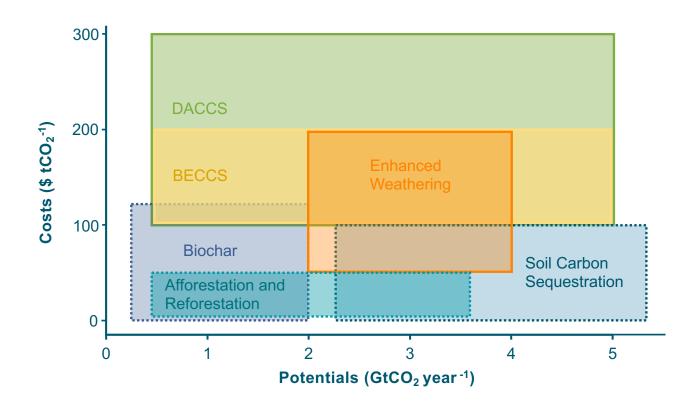




BIOCHAR GHG REMOVAL POTENTIAL

IPCC Special Report 2018

Cost-effective climate solutions are urgently needed to reach the Paris Agreement Goals and limit the global warming under 1.5 °C. The Intergovernmental Panel on Climate Change (IPCC) stated nations may need to remove up to 1000 Gt of CO2 by 2050. There are six key methods which offer great potential to draw down carbon; biochar is one of these.



Biochar Carbon Removal

- Ambitious companies with Net Zero commitments can incorporate biochar removal solutions within its climate neutrality strategies.
- Global Carbon Sink potential 0.3-2 GtCO₂/ year



TYPE OF CARBON CREDITS FROM BIOCHAR: REMOVALS



TYPE OF CARBON CREDITS



- Reduction or avoidance in atmospheric CO₂ concentration
- Nature based solutions (partially IFM, REDD+)
- Renewable Energy & Energy efficiency

- Removes the concentration of atmospheric CO₂
- Nature based solutions (Afforestation Reforestation, SOC, Biochar)
 - Technology based solutions (BECCS, DACC)



MULTIPLE CERTIFIABLE APPLICATIONS OF BIOCHAR

Forestry

Reforestation activities

Nurseries

Soil application

Agriculture

Biochar-based amendments

Biochar-based fertilizer

Environment

Mine reclamation

Revegetation of degraded land



Urban Landscaping

In Soil applications

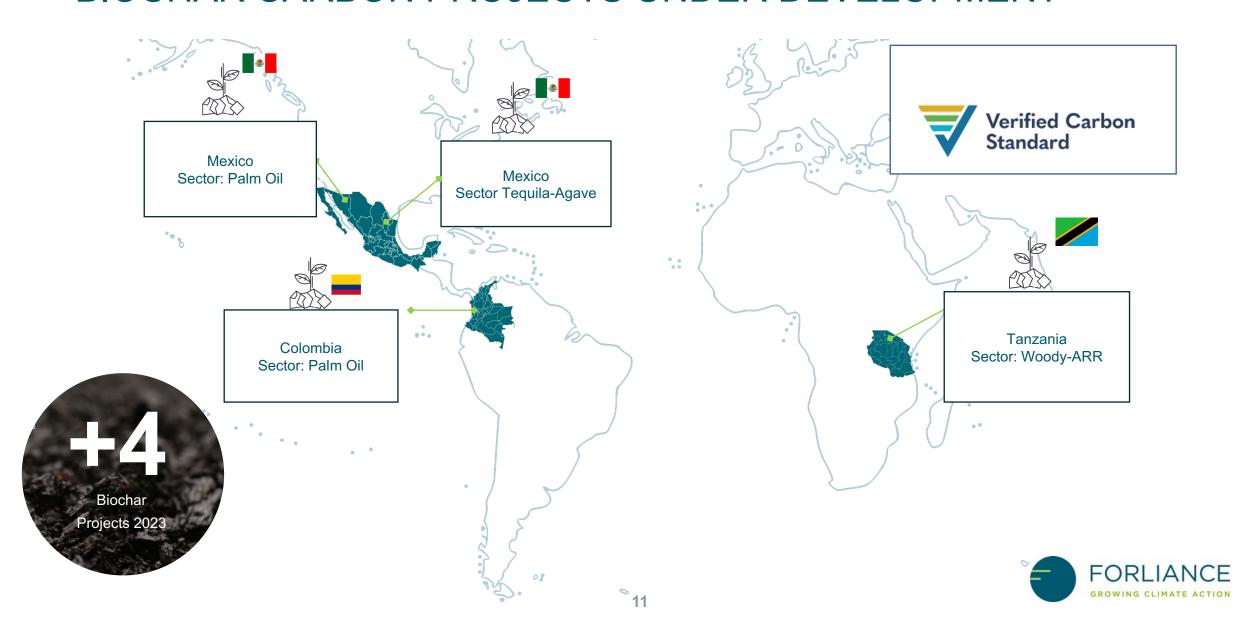
Example: Case of Stockholm and Minneapolis

Non-soil applications

As building material in cement and asphalt



BIOCHAR CARBON PROJECTS UNDER DEVELOPMENT





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