

Pyrolysis / PyCCS / BCR

## Renewable energy and NET

60.000

40.000

3500

3000

2500

2000

500

1000

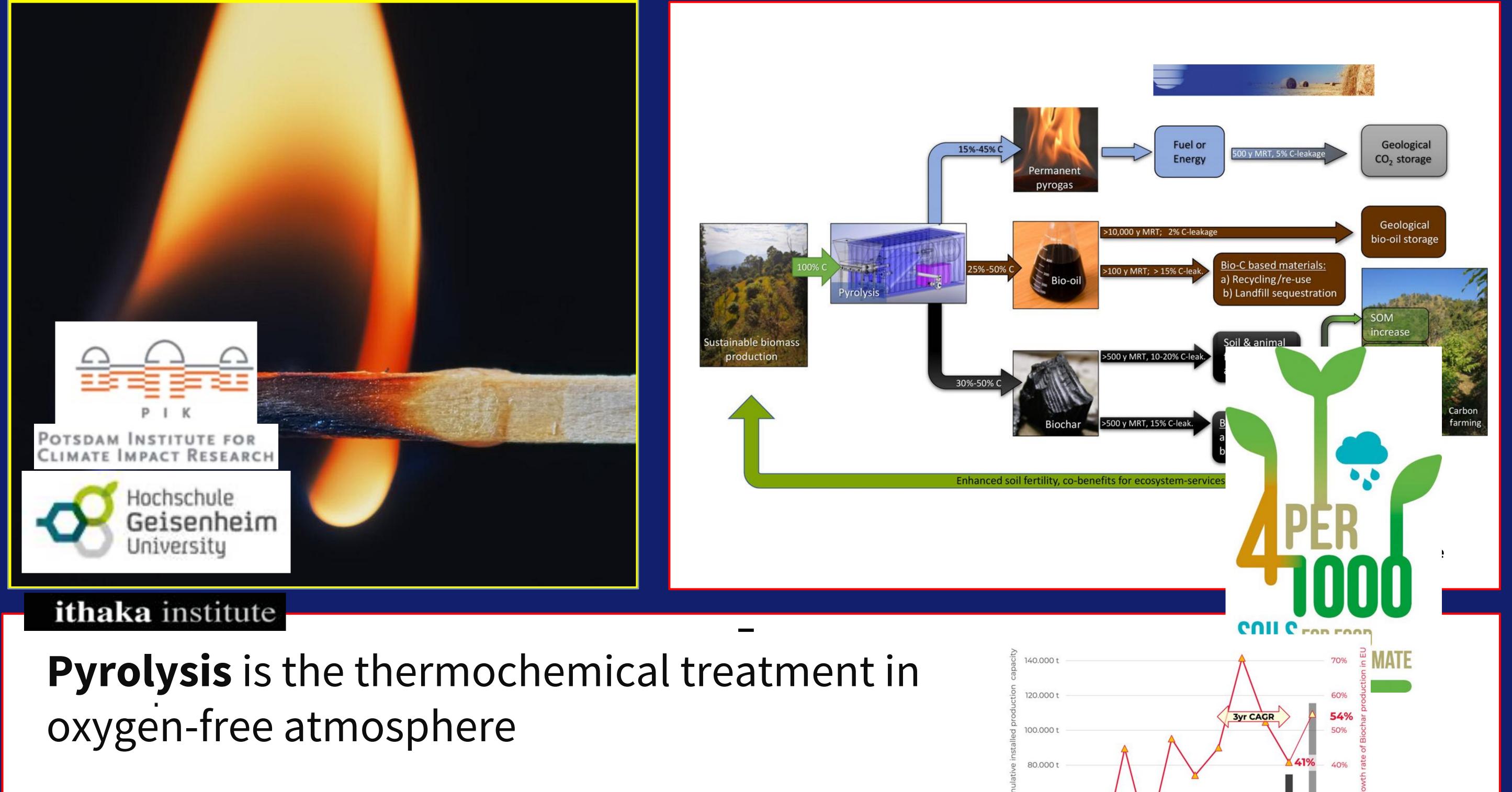
500

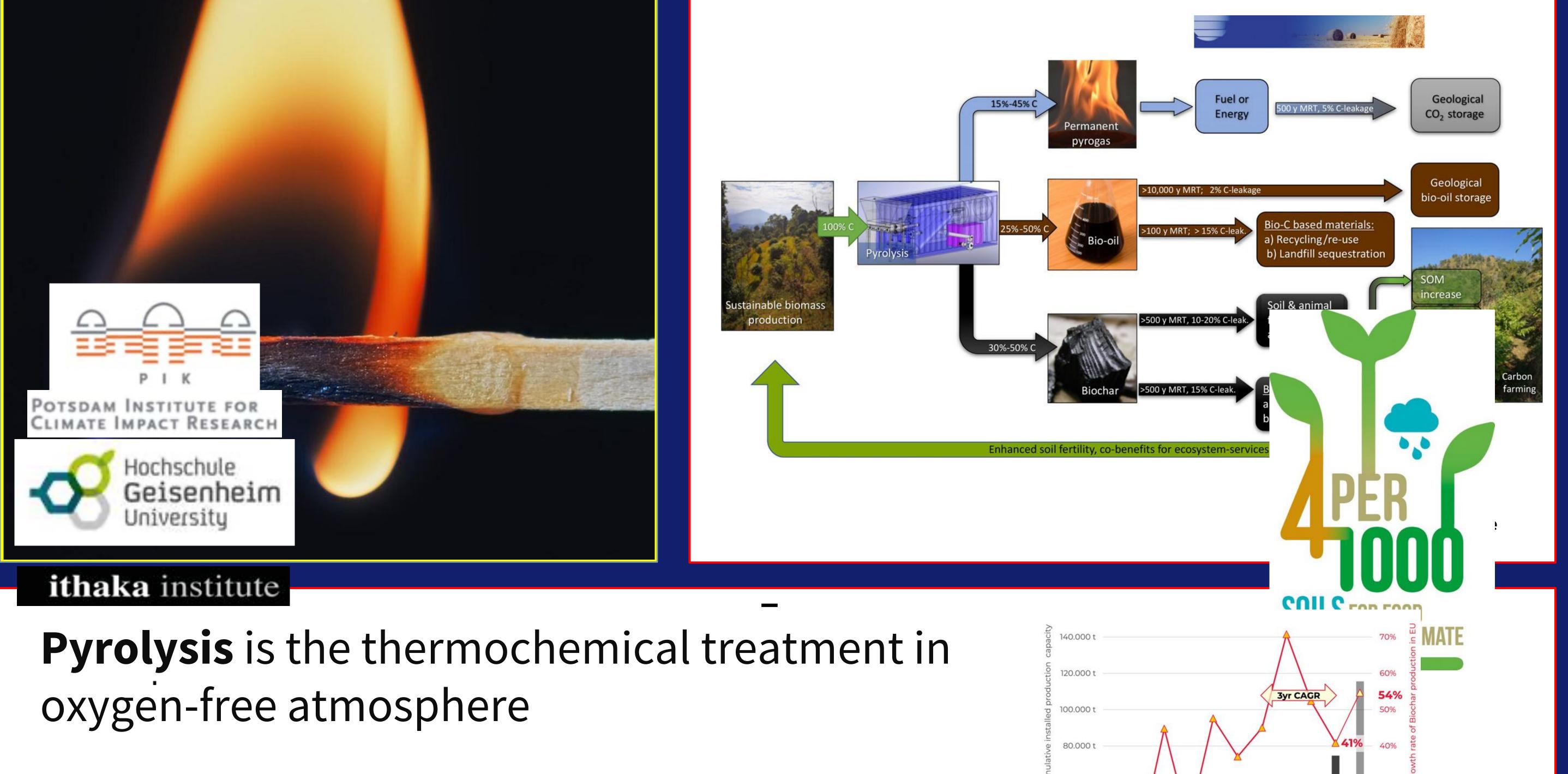
0

plantations

piq

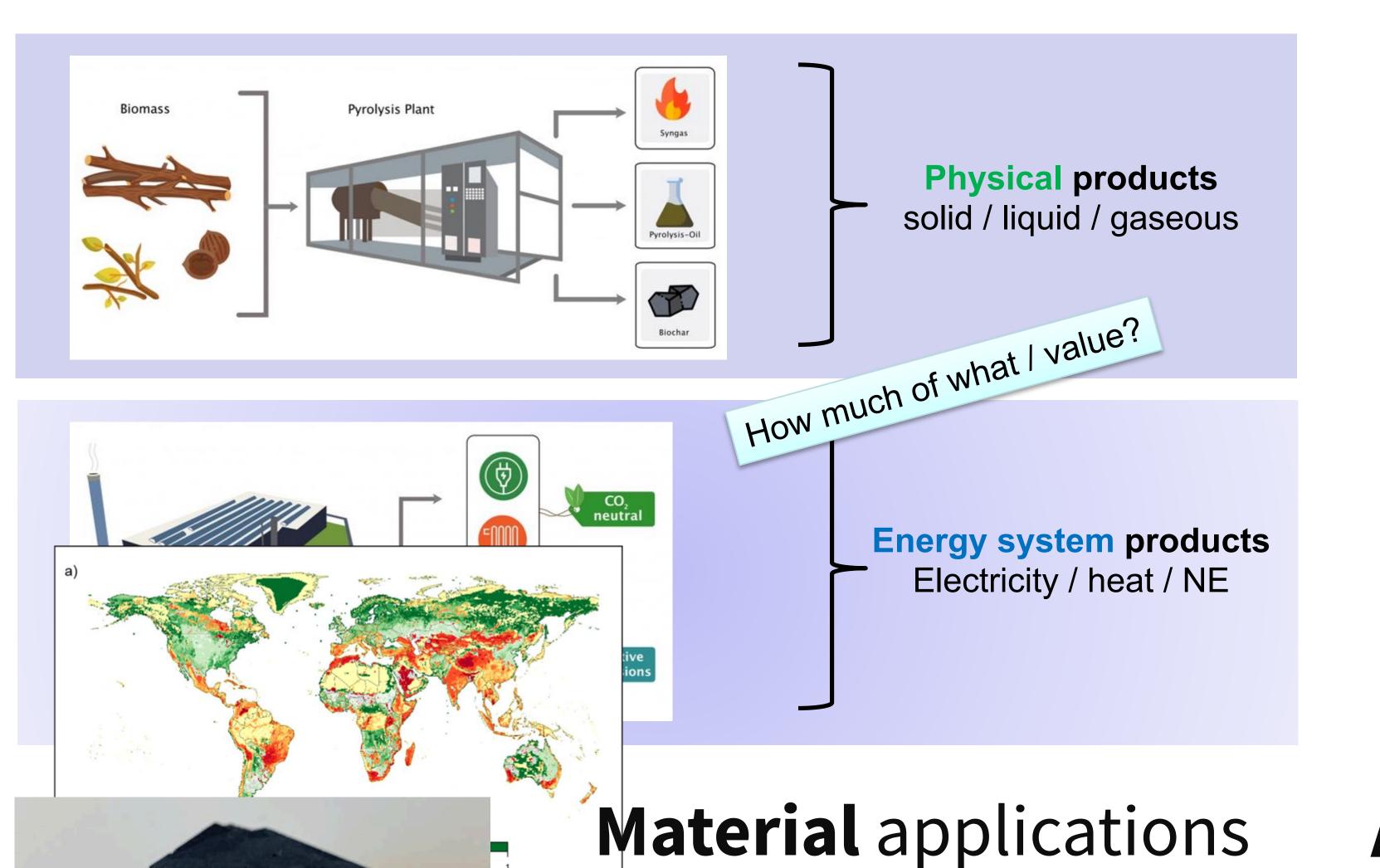
Mha

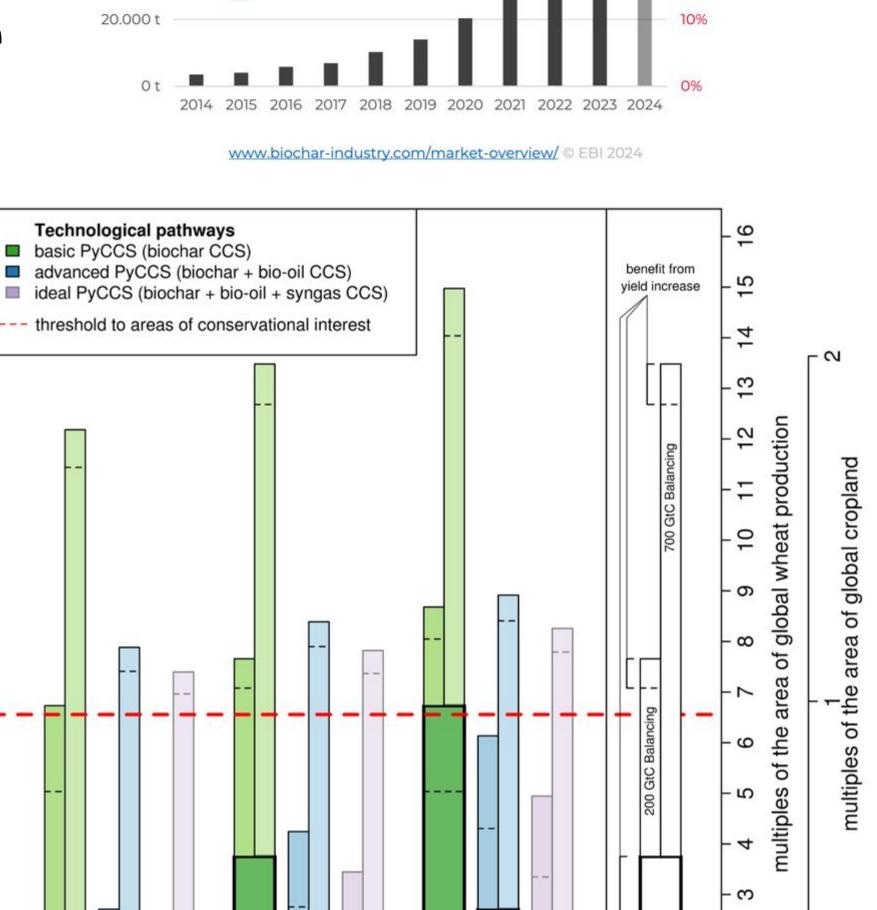




**PyCCS** (pyrogenic carbon capture and storage) **BCR** (biochar carbon removal) are the respective

# negative emission technologies (**NET**)





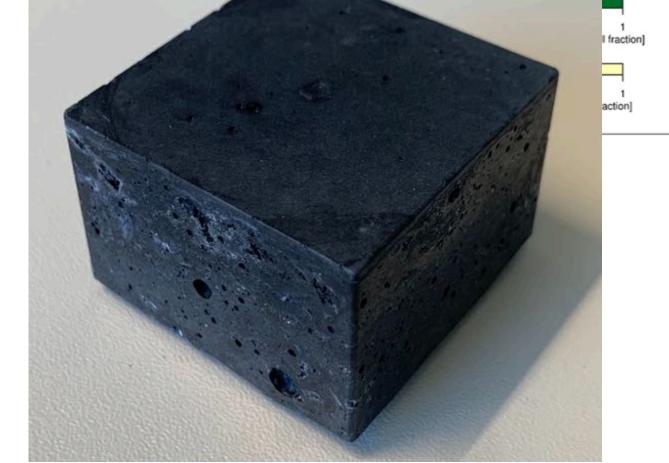
30%

20%

Schmidt Source: Claudia Kammann, H.-P.

N

20



### Agriculture application

Mitigation 100 GtC Mitigation 200 GtC Mitigation 300 GtC



Source: Agroscope-Studie (2021) im Auftrag des Schweizerischen Bundesamts für Landwirtschaft (BLW)



### $\rightarrow$ CO<sub>2</sub>-negative stones / concrete / asphalt