



**Carbon  
Drawdown  
Initiative**

# Speeding up Negative Emissions Technologies



# The challenge is epic

- The negative emissions industry needed by 2050 is about 2-4 times as large as the current global oil industry.
- *But only very few people are doing something about it!*





# What we do

1. Invest in Direct Air Capture (Climeworks) and Storage (44.01)
2. Invest in and enable development of mineral based capture (enhanced weathering), Projects: Carbdown and Vesta
3. Invest in science, policy and public awareness (co-founder NEP)

Activities are enabled by Paessler Family Foundation



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**Project  
Carbdown**





# Project Carbdown



Synchronized soil, basalt/olivine, measurements, sensors, analysis, labs, seeds, etc.



Electronic sensors +  
water sample lab  
diagnostics

Pot/greenhouse  
experiments in  
Wageningen

Closed box lab  
experiments in Hamburg



# Project Carbdown - Lots of expertise, no money

- I met Prof. Jelle Bijma, AWI, end of September 2020.
- The project was started in October 2020.
- There are three professors and several academics involved. Many work “pro bono”.
- They were unable to get funding for their project without waiting for years.
- My company together with the company of my friend Ralph Koczwara (Fieldcode) cover the whole cost of the project. Serial Entrepreneurs go to work.
- **Goal is to show how enhanced weathering on soil can be measured**
- => We expect first results by fall 2021. After 12 months.
  
- **1. We need policies that enable fast development of promising NET approaches!**
- **2. We need policies to attract entrepreneurs into this field to speed up things!**



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# Thank you