

Scaling **Carbon Removal** with Foundational Geospatial Models

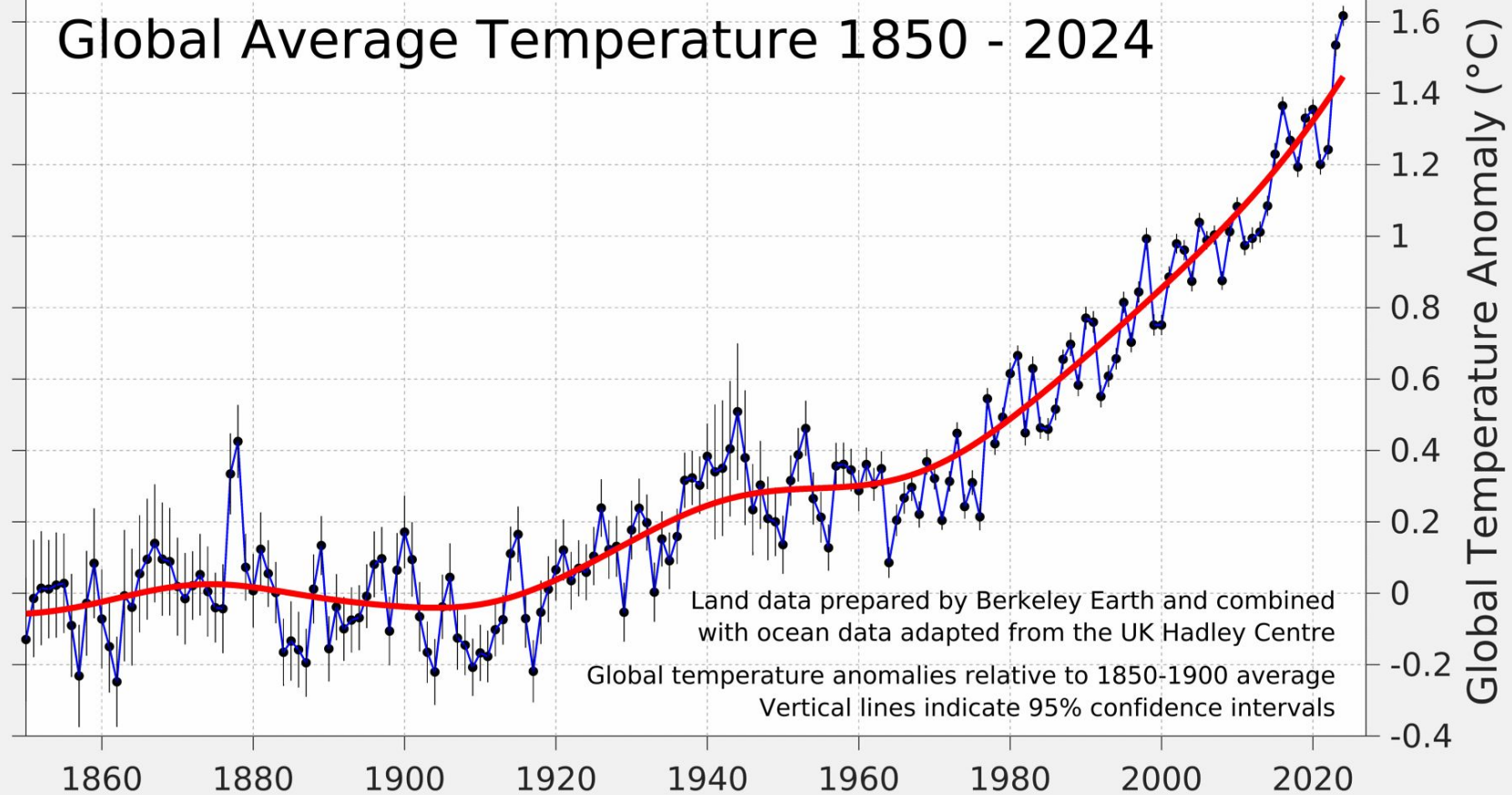




Uber

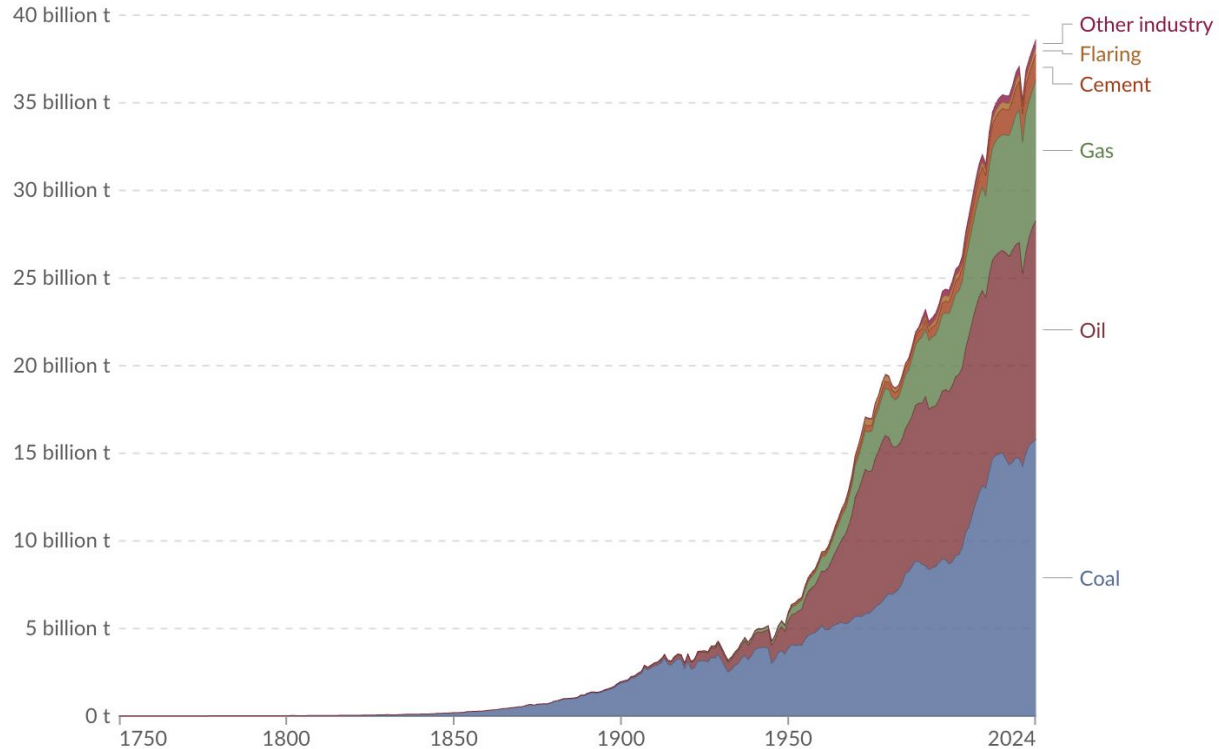


Global Average Temperature 1850 - 2024



CO₂ emissions by fuel or industry type, World

Our World
in Data



ourworldindata.org/grapher/co2-by-source

Carbon Credits



Avoided
Deforestation



Regenerative
Agriculture



Ecosystem
Restoration

Carbon Markets

Voluntary Markets



Compulsory Markets



Carbon offsets are a scam



Chris Greenberg

10 Nov 2021 • 4 min read



Carbon offsetting is truly a scammer's dream scheme.

It's a bookkeeping trick intended to obscure climate wrecking-emissions. It's tree planting window dressing aimed at distracting from ecosystem destruction.

It is the next big thing in green

Alejandra Padín-Dujon

January 26th,
2023

The Verra scandal explained: Why “avoided deforestation” credits are hazardous

4 comments | 77 shares

Estimated reading time: 5 minutes

Building Trust

Measurement

Collect data on how much carbon dioxide is avoided, removed, or reduced by a mitigation

Reporting

These claims are openly shared with a third party

Verification

Third parties verify these claims

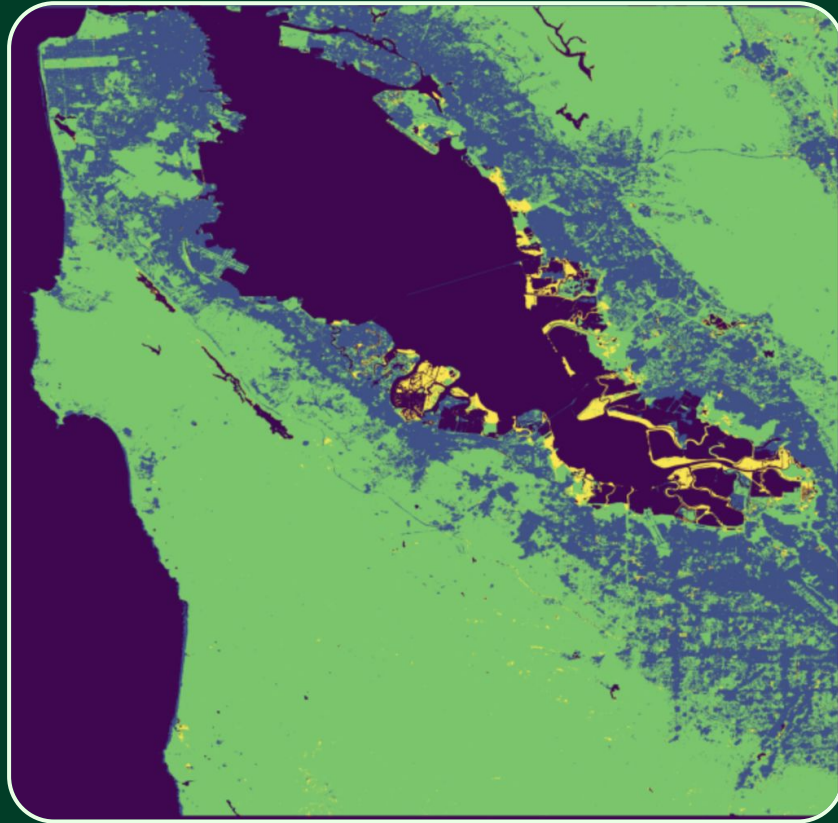
Traditional Credit Verification



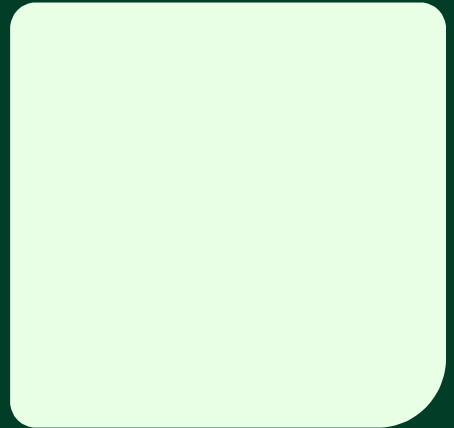
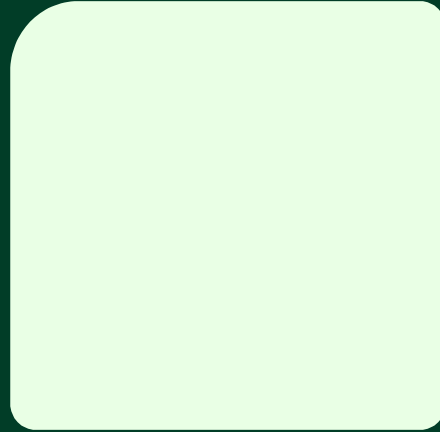
UNDO

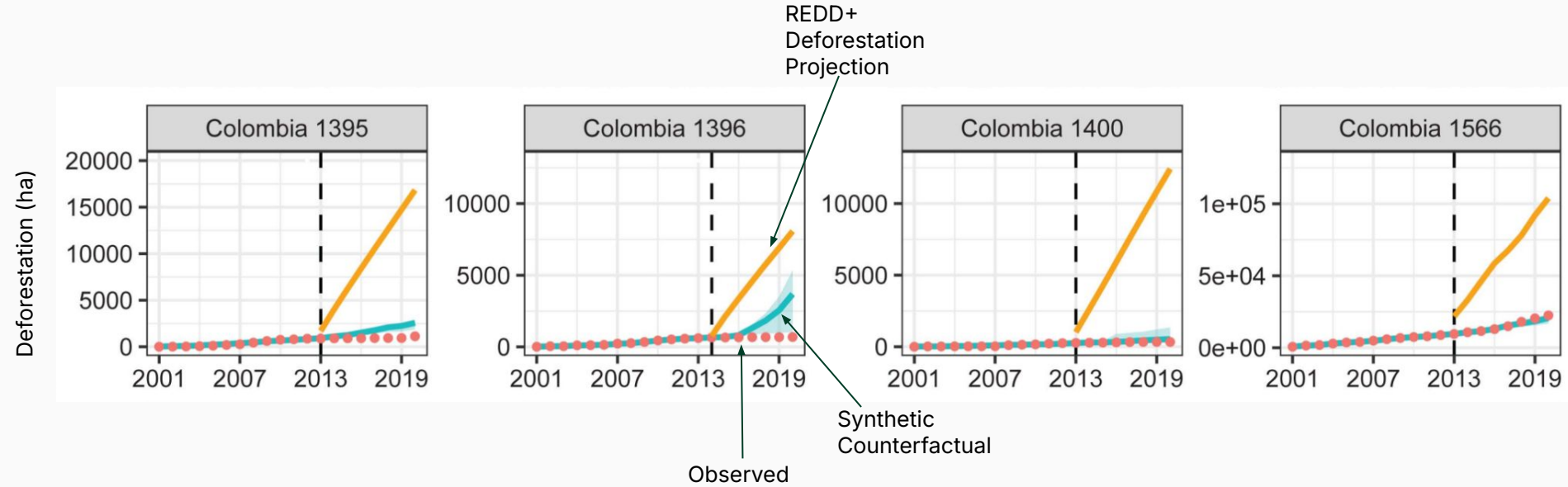


developers.google.com/earth-engine/datasets/catalog/sentinel-2

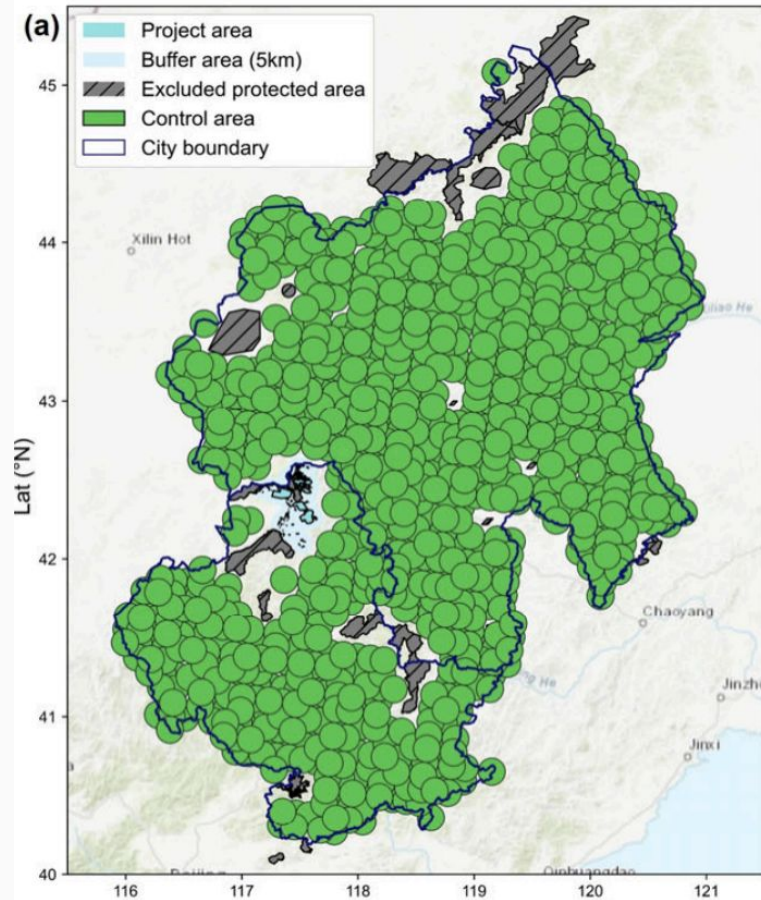


**But people are
paying for carbon
removal not
successful projects**

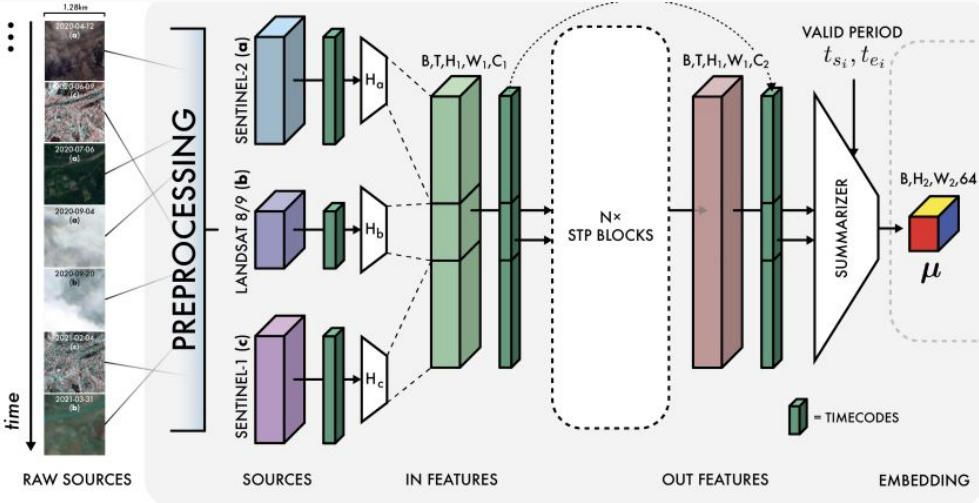
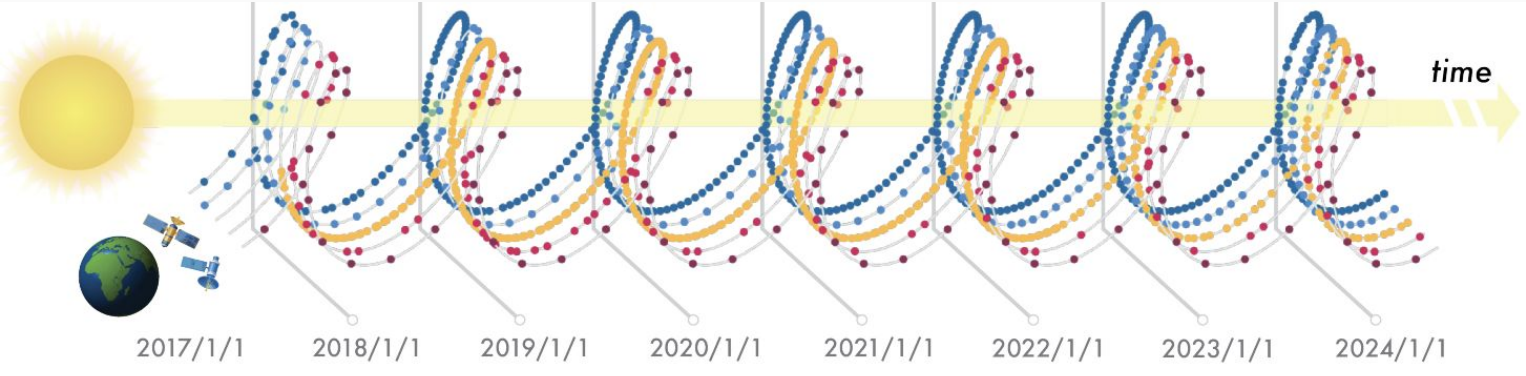




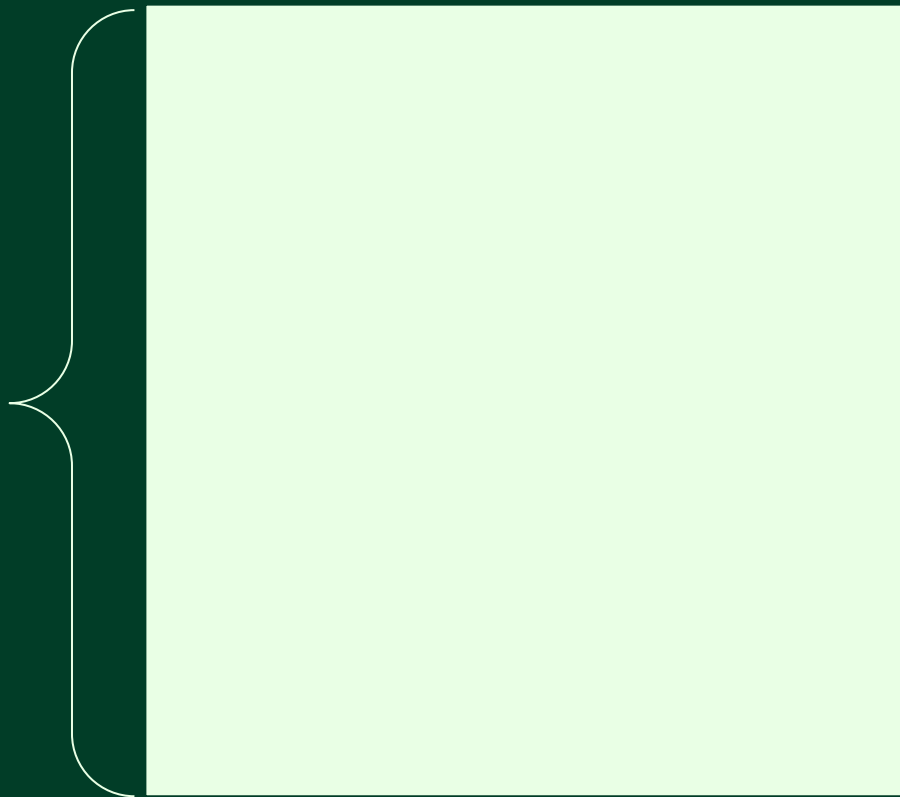
West et al., Science (2023)



Yu et al., Environ. Sci. Technol. (2026)

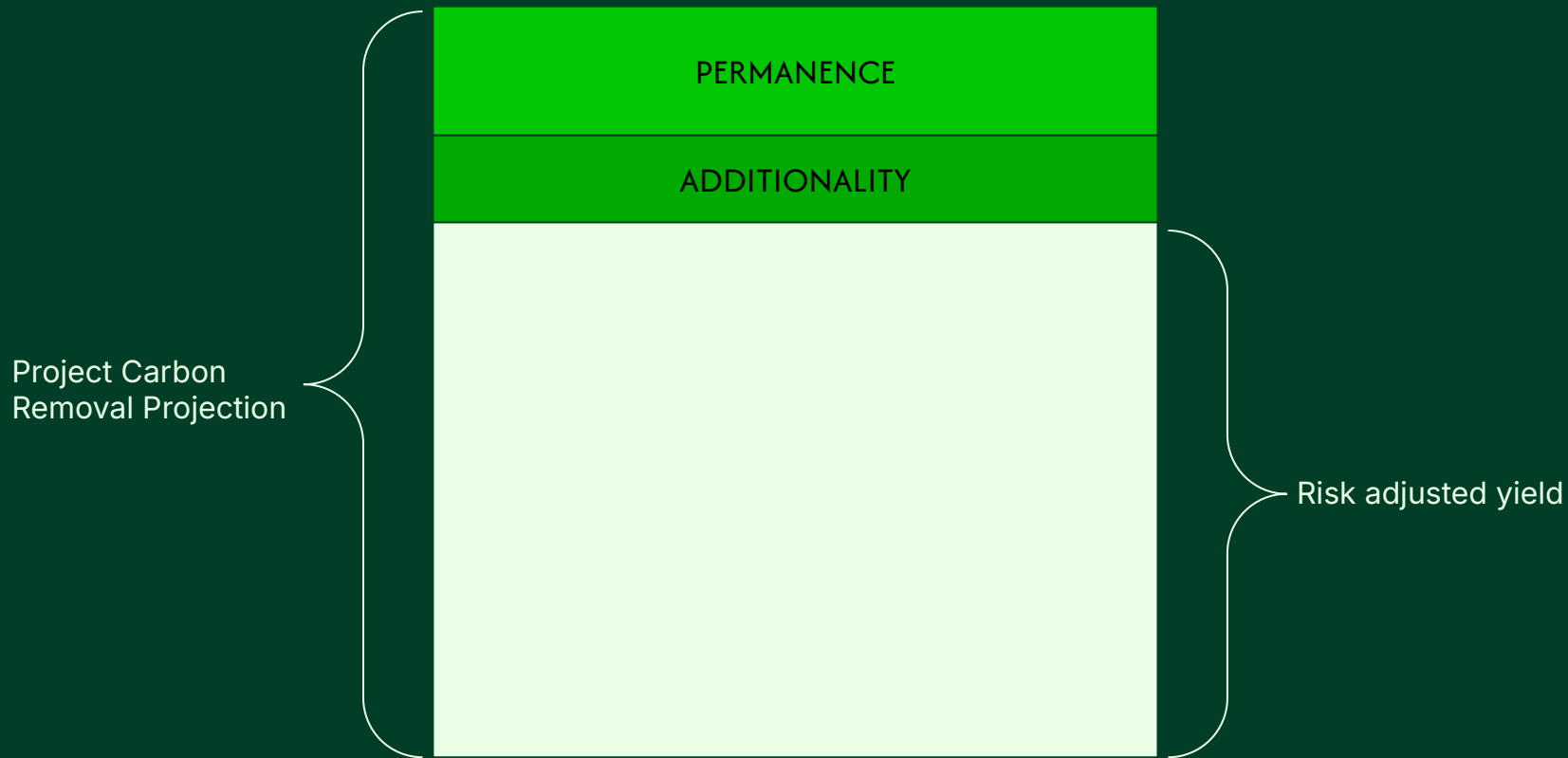


Project Carbon
Removal Projection



Project Carbon
Removal Projection

PERMANENCE





Thank you!

