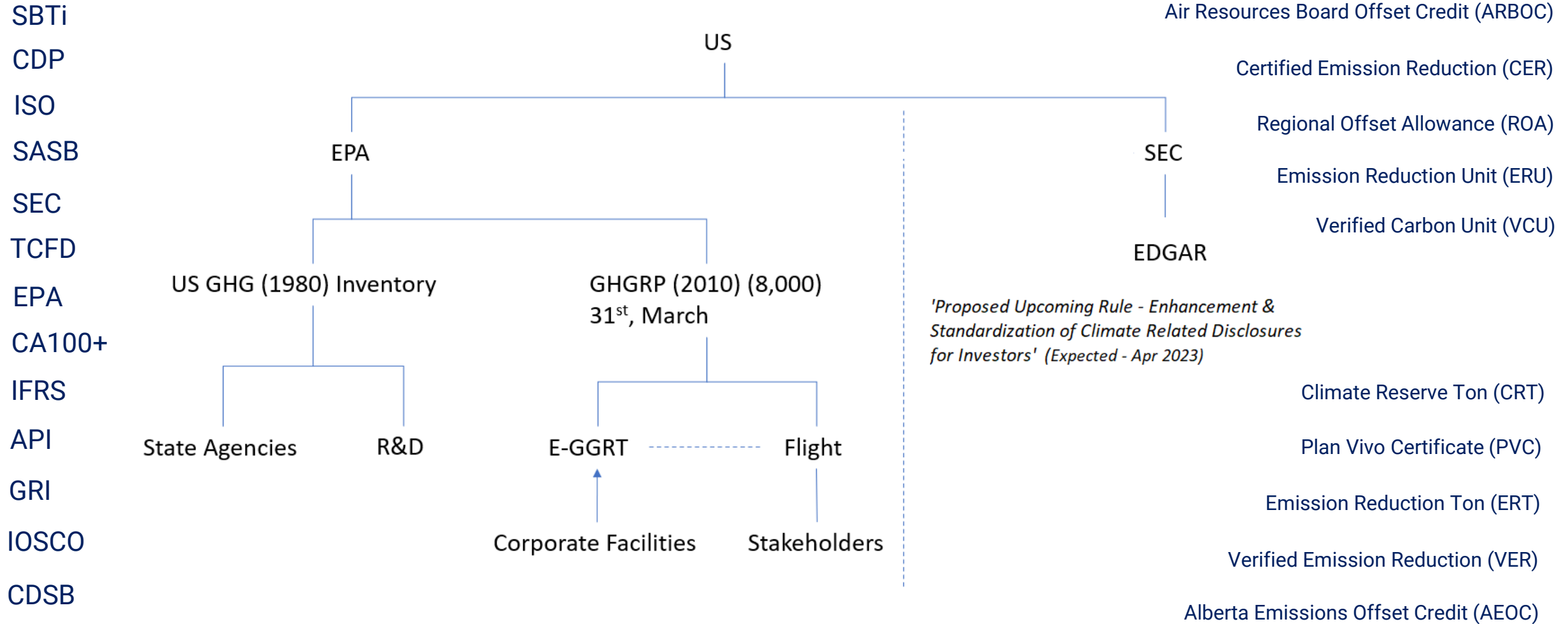


Measurement, Reporting, Validation.... and Trading



A Complex Landscape for Carbon Tracking and Reporting, and Removals Credits

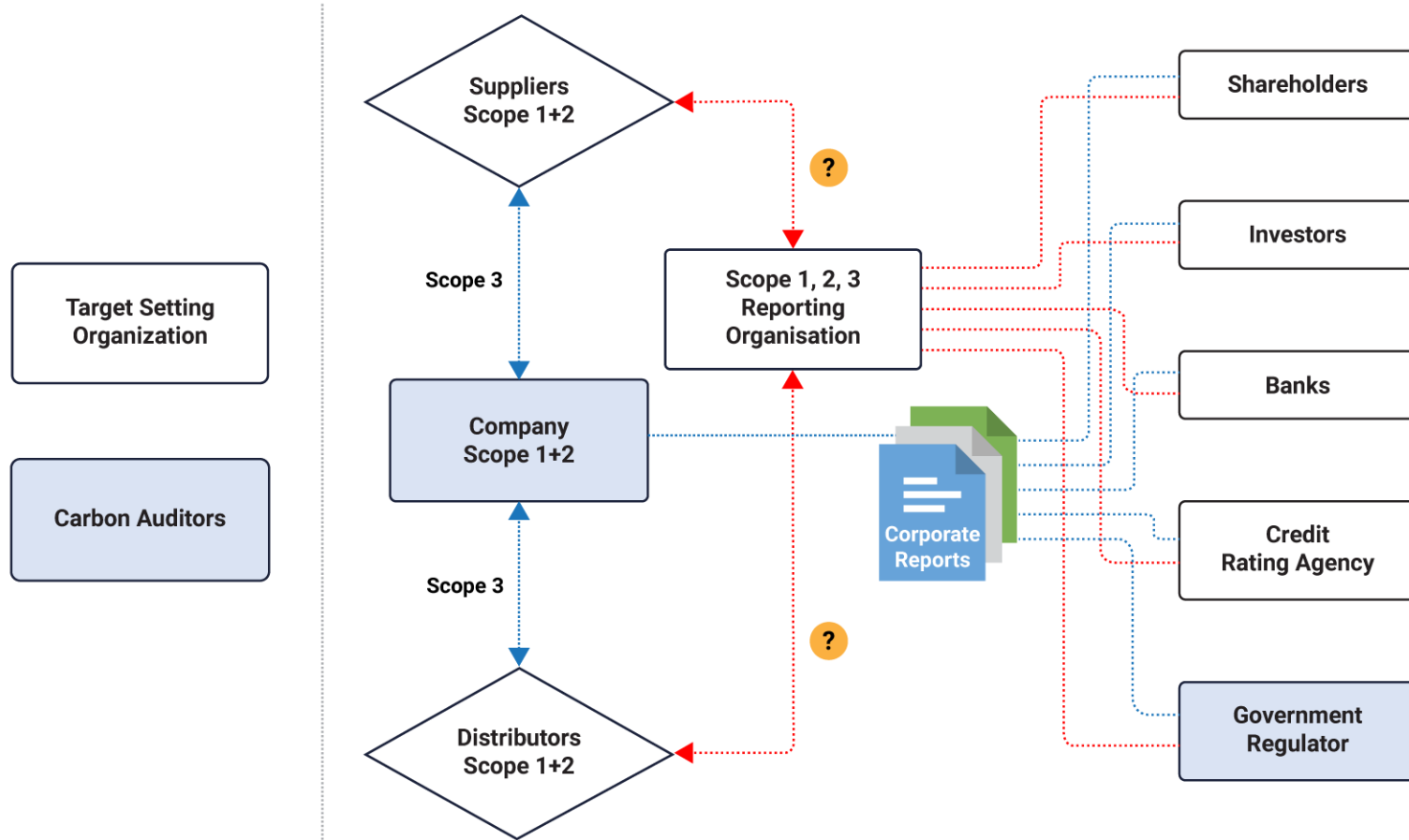


- SBTi
- CDP
- ISO
- SASB
- SEC
- TCFD
- EPA
- CA100+
- IFRS
- API
- GRI
- IOSCO
- CDSB

- Air Resources Board Offset Credit (ARBOC)
- Certified Emission Reduction (CER)
- Regional Offset Allowance (ROA)
- Emission Reduction Unit (ERU)
- Verified Carbon Unit (VCU)
- Climate Reserve Ton (CRT)
- Plan Vivo Certificate (PVC)
- Emission Reduction Ton (ERT)
- Verified Emission Reduction (VER)
- Alberta Emissions Offset Credit (AEOC)



Existing Target Setting and Reporting

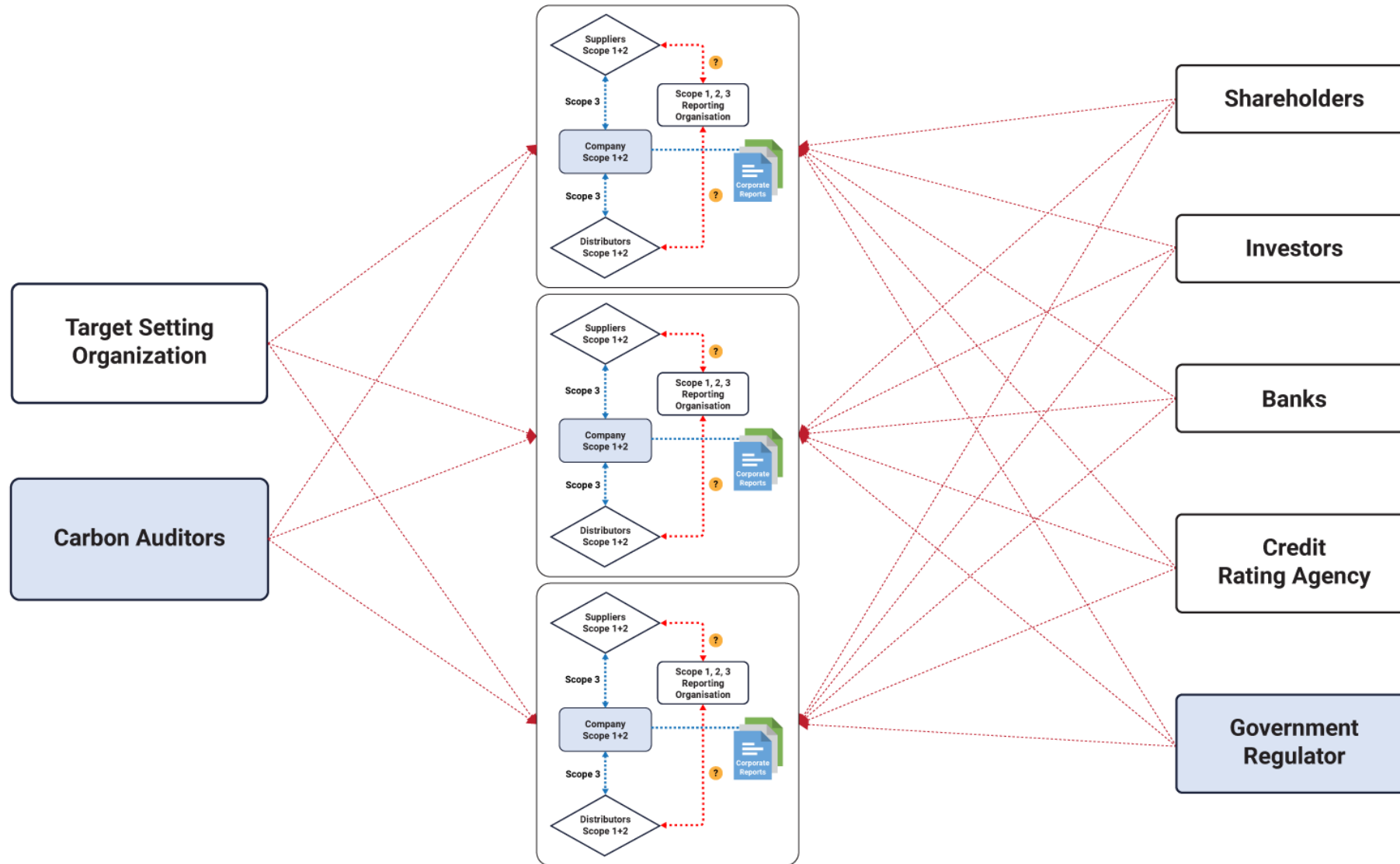


Challenges?

Is the Information in Multiple portals?	Actual Progress? Or Subjective rating only?
Conventional Offline Validation?	Is the System open to all?

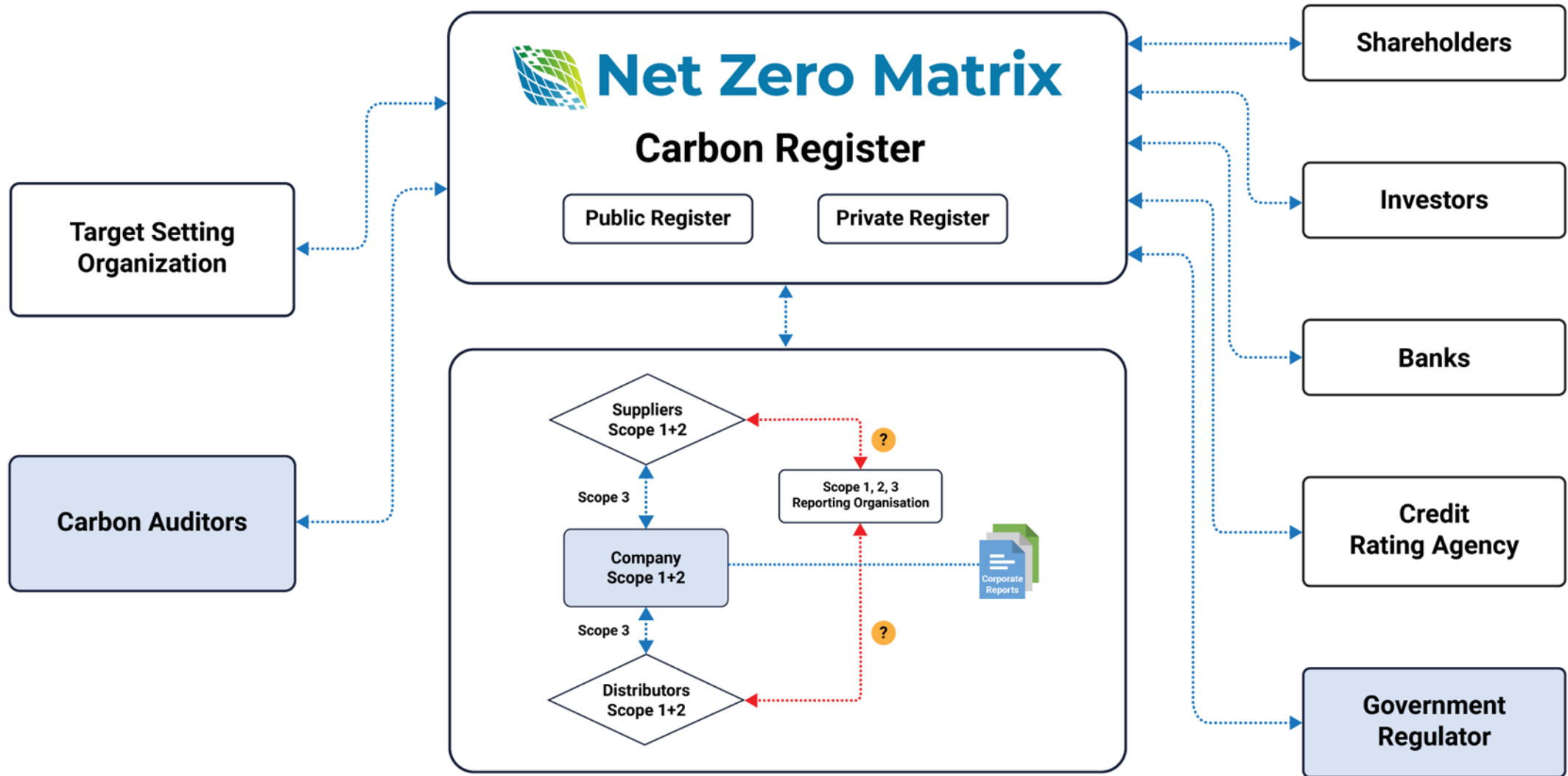


Multiple Companies increase Reporting Complexity



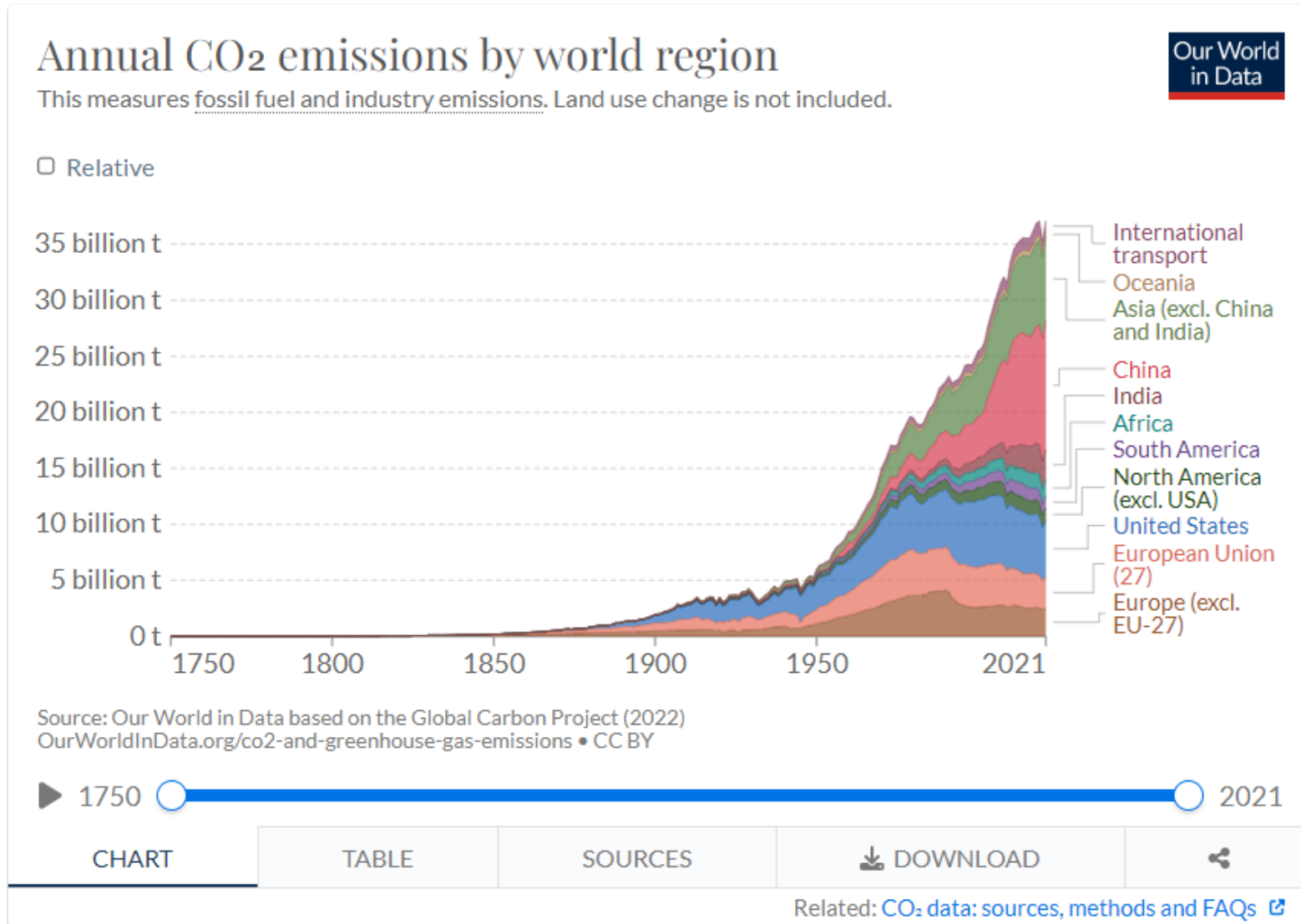


The Carbon Register: a Single Repository





The World Carbon Budget to Net Zero

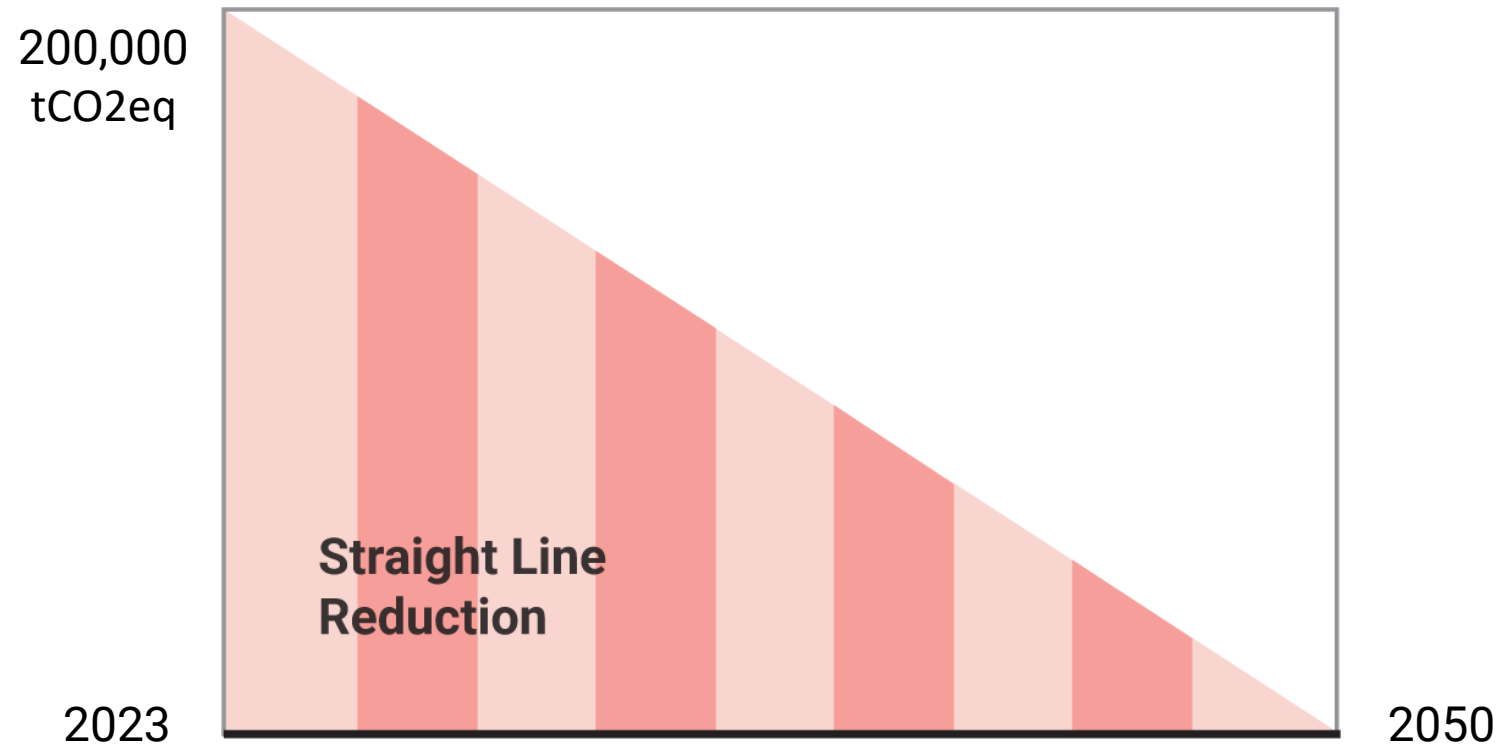


Budget
to Net Zero by 2023:
~36 (2050 – 2023) / 2

~500 billion tons



A Carbon Budget to Net Zero

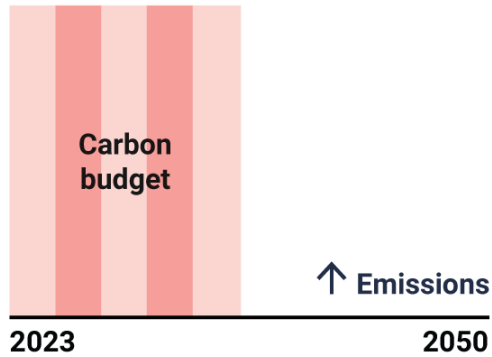


Budget to Net Zero in 2050
 $200,000 (2050 - 2023) / 2$

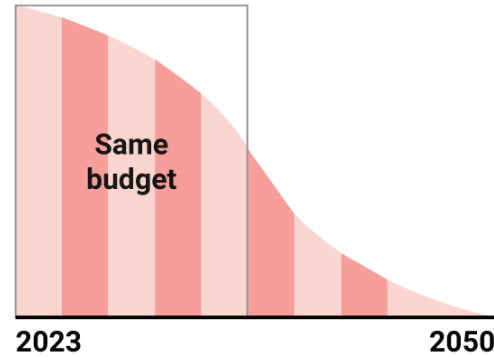
2,800,000 tCO2eq



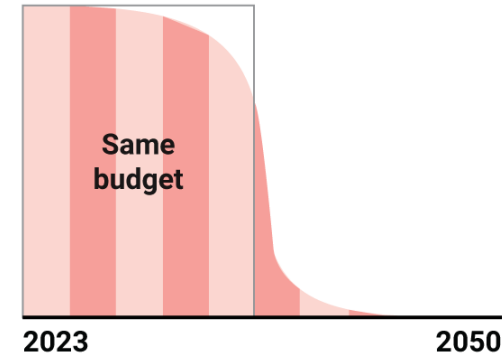
How the Carbon Budget will be Spent.....



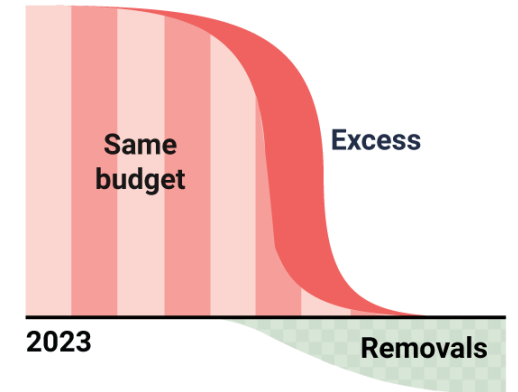
Continue to emit at the same rate and the budget is consumed quickly. After that emissions continue at the same high rate



Taking action early means that emissions can be reduced gradually over a longer time period



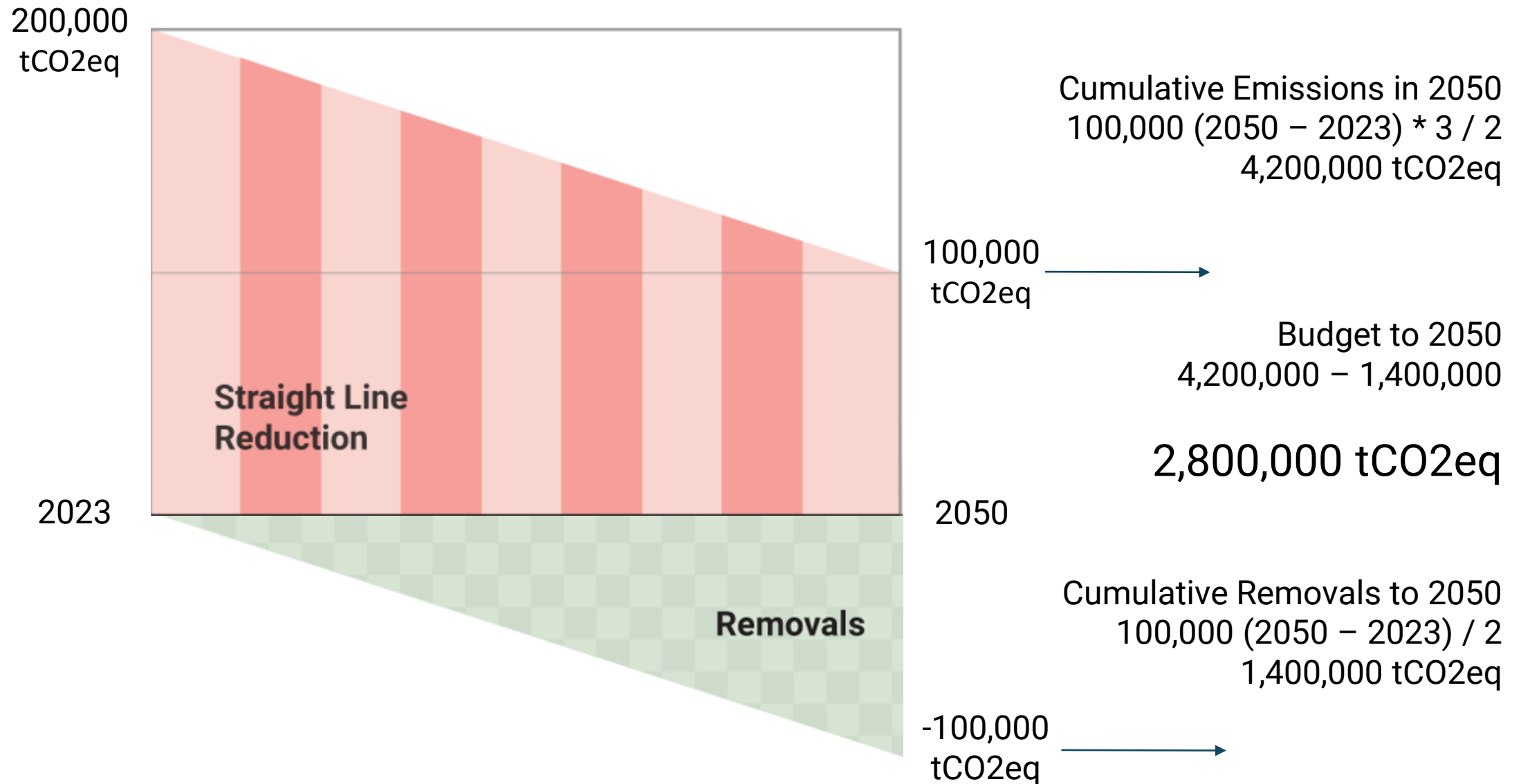
Waiting longer to cut emissions requires a more rapid reduction at a later date if Net Zero is to be achieved



Once over-budget the corresponding excess will require further balancing with removals

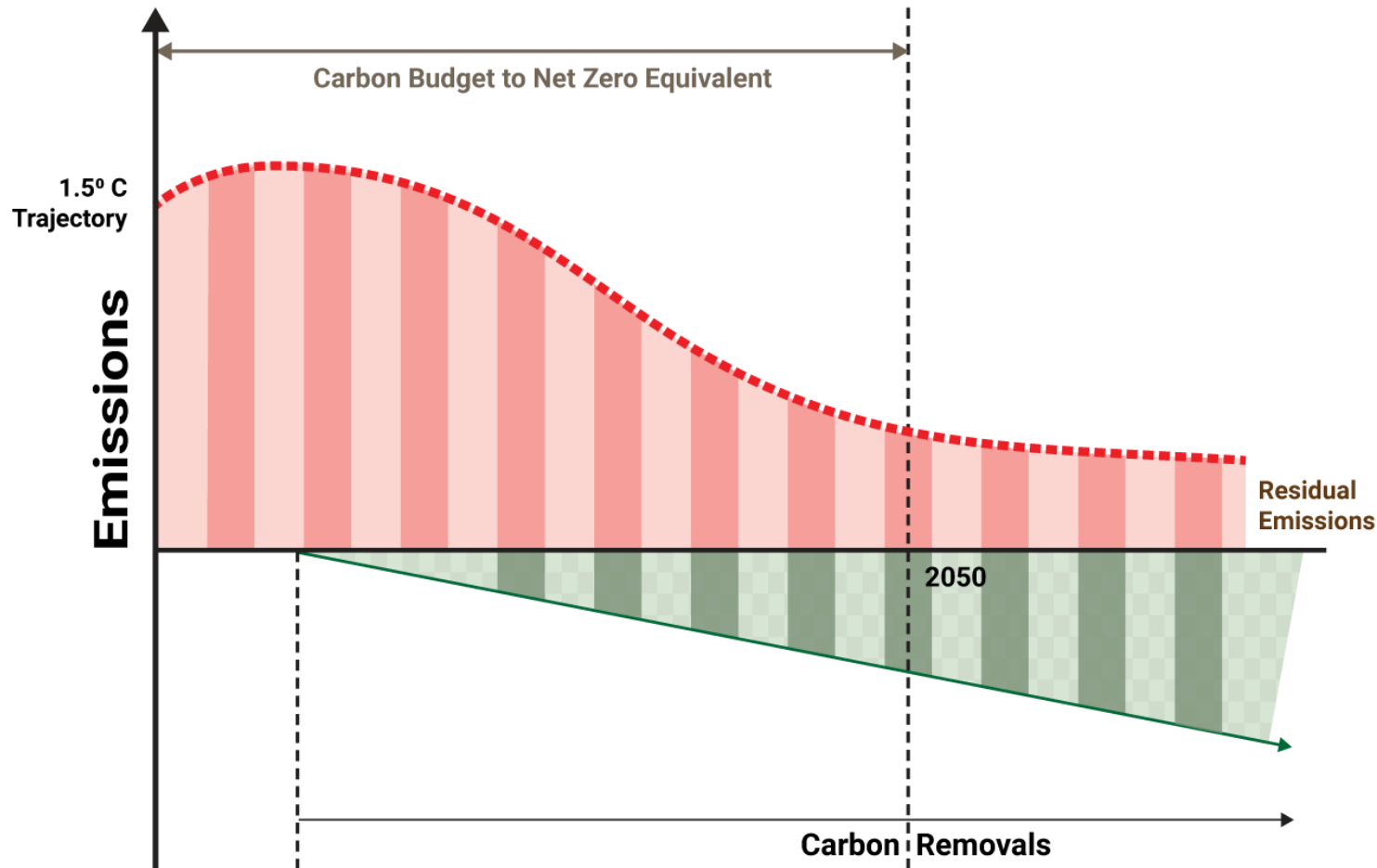


Removals: Enabling Residual Emissions Planning





Residual Emissions are certain for all Companies

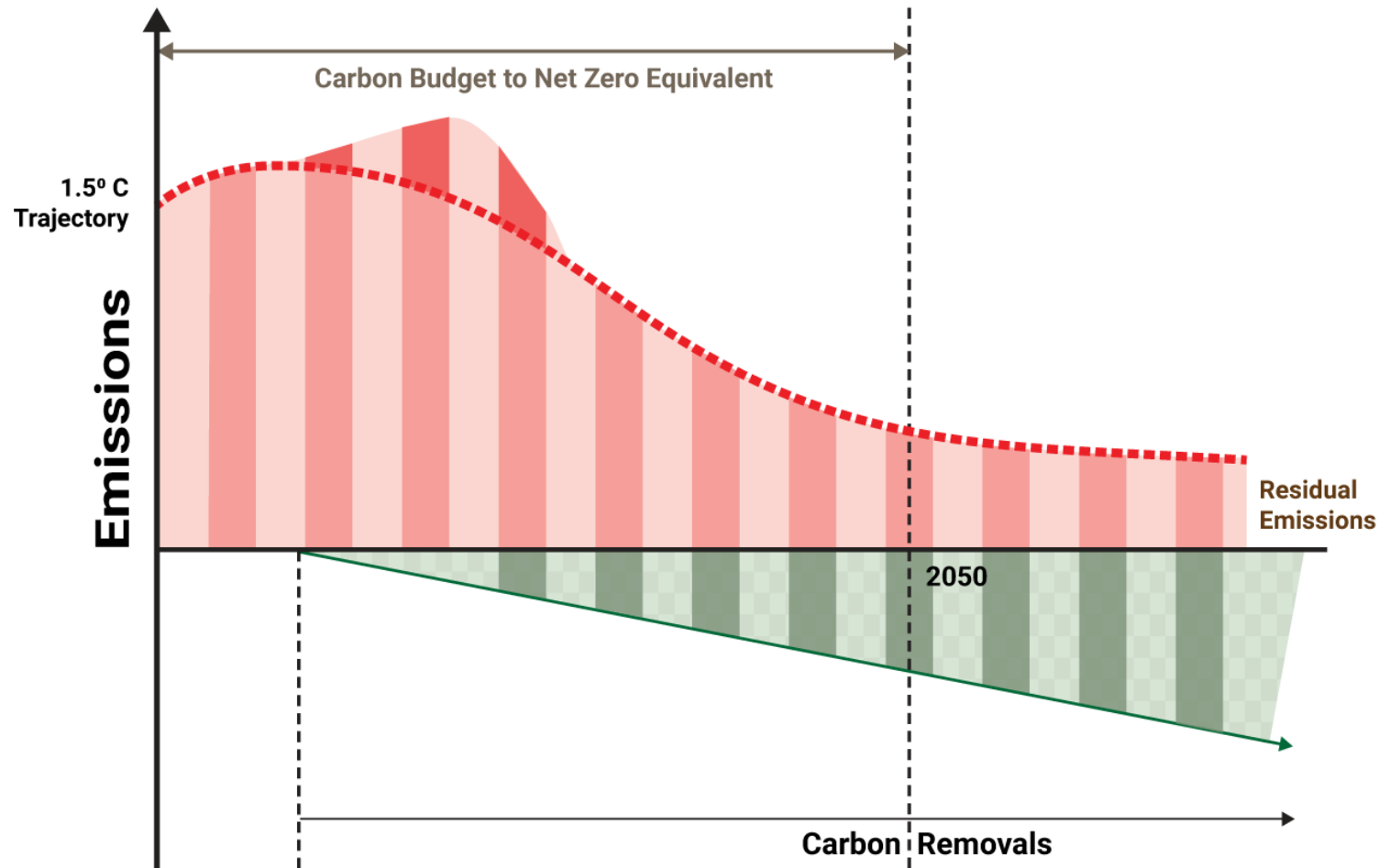


A typical Absolute Reduction curve will result in Residual Emissions that will need to be compensated. The Residual % of the initial Carbon Footprint varies widely depending on the Industrial Sector

Early adoption or pre-purchase of Removals brings confidence to Shareholders, Investors and Regulators



Emissions higher than the Target

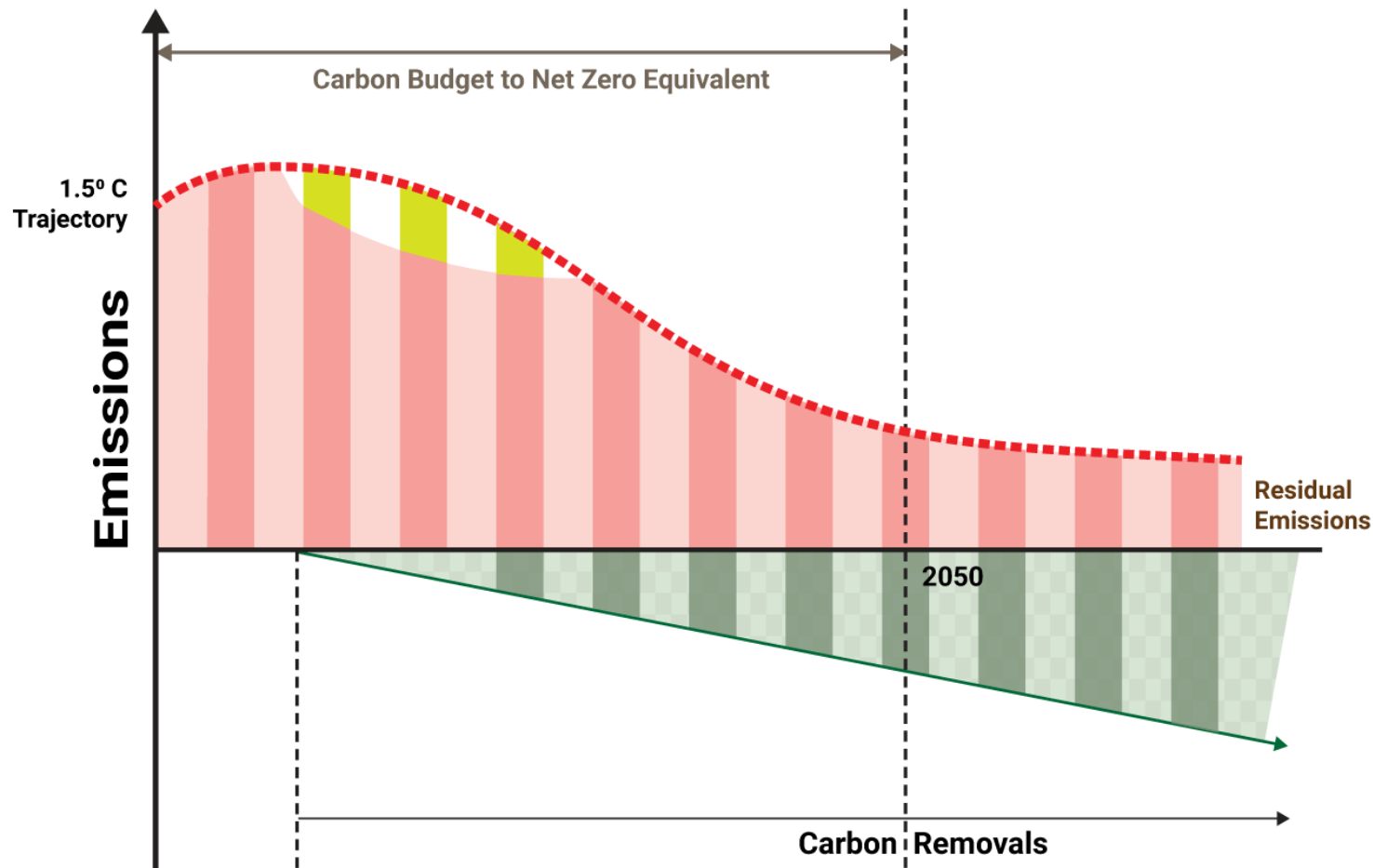


Failure to reduce emissions in line with the Target or an increase in business activity will lead to a faster consumption of the original budget which is only partially compensated by Removals

In order to return to the Target further action needs to be taken



Emissions reduced faster than the planned target

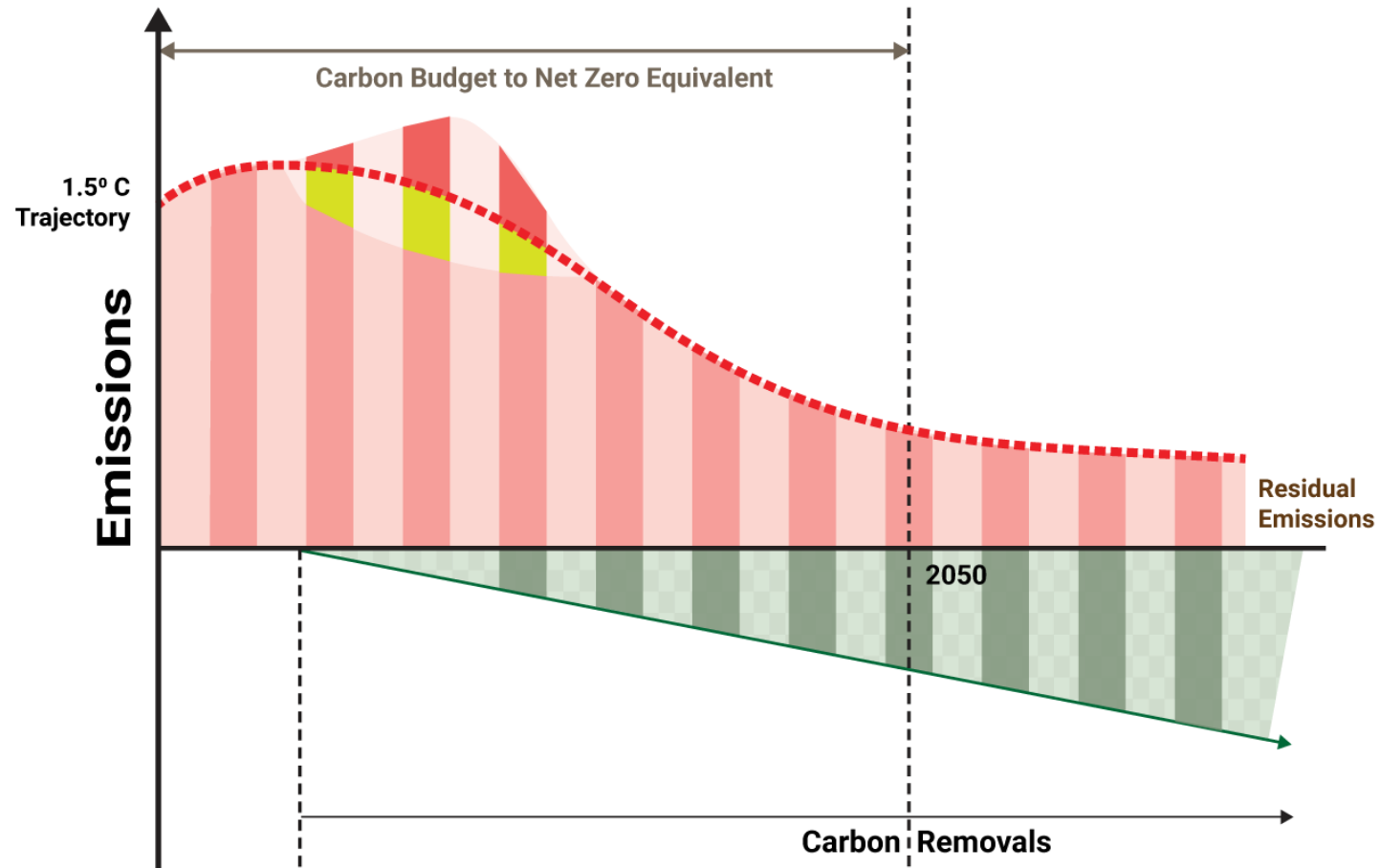


Rapid reductions might allow the company to relax further measures, but this is likely to be misinterpreted

A company that is ahead of the Target curve actually now holds a valuable asset which has a monetary value on a 'Carbon Balance Sheet'



Trading between Interested Parties.....

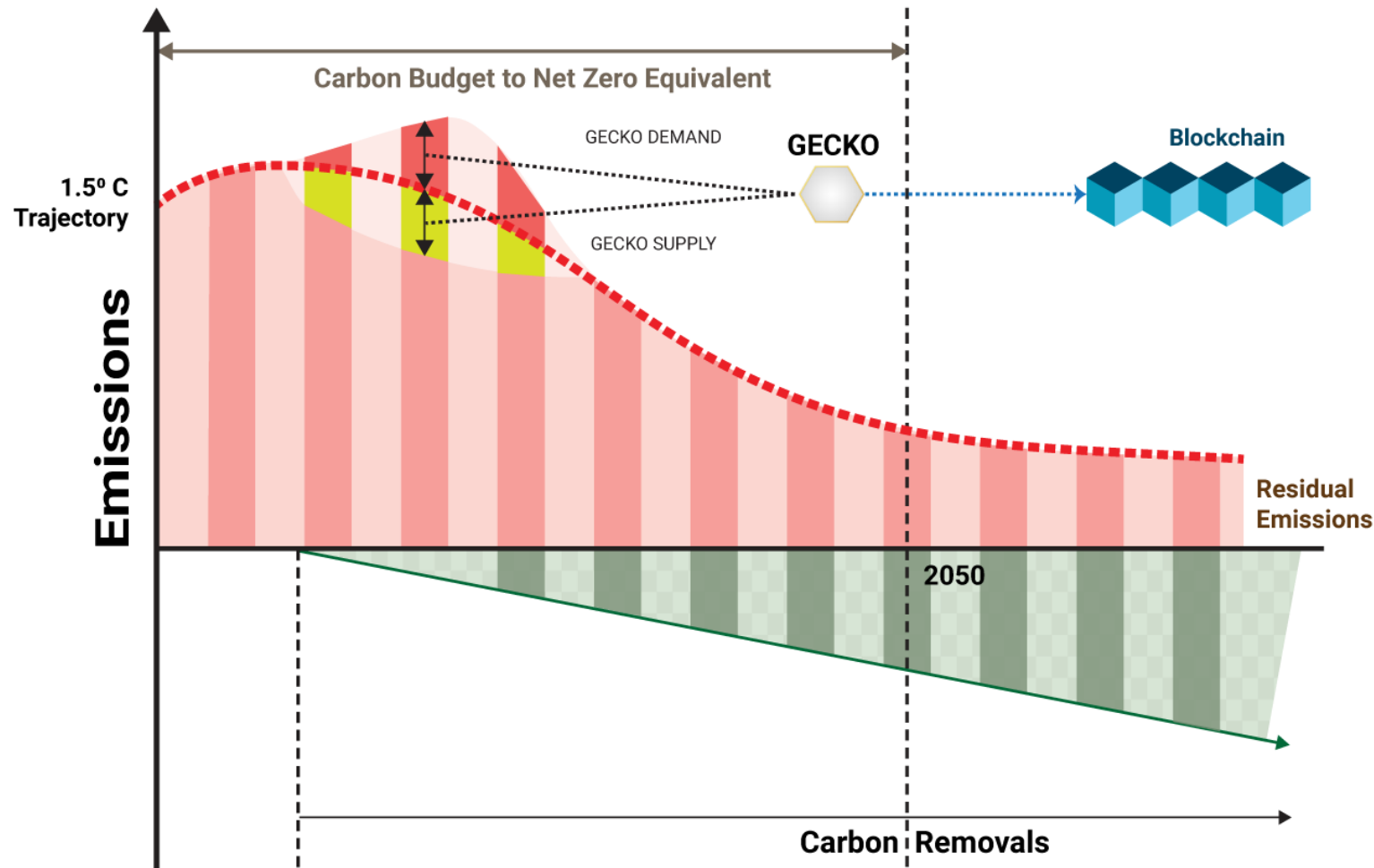


A transaction between a company in 'Carbon Target Debt' can be envisaged with a company in 'Carbon Target Credit'

There may be a Carbon Budget Transfer, with both companies then remaining close to their Initial Targets



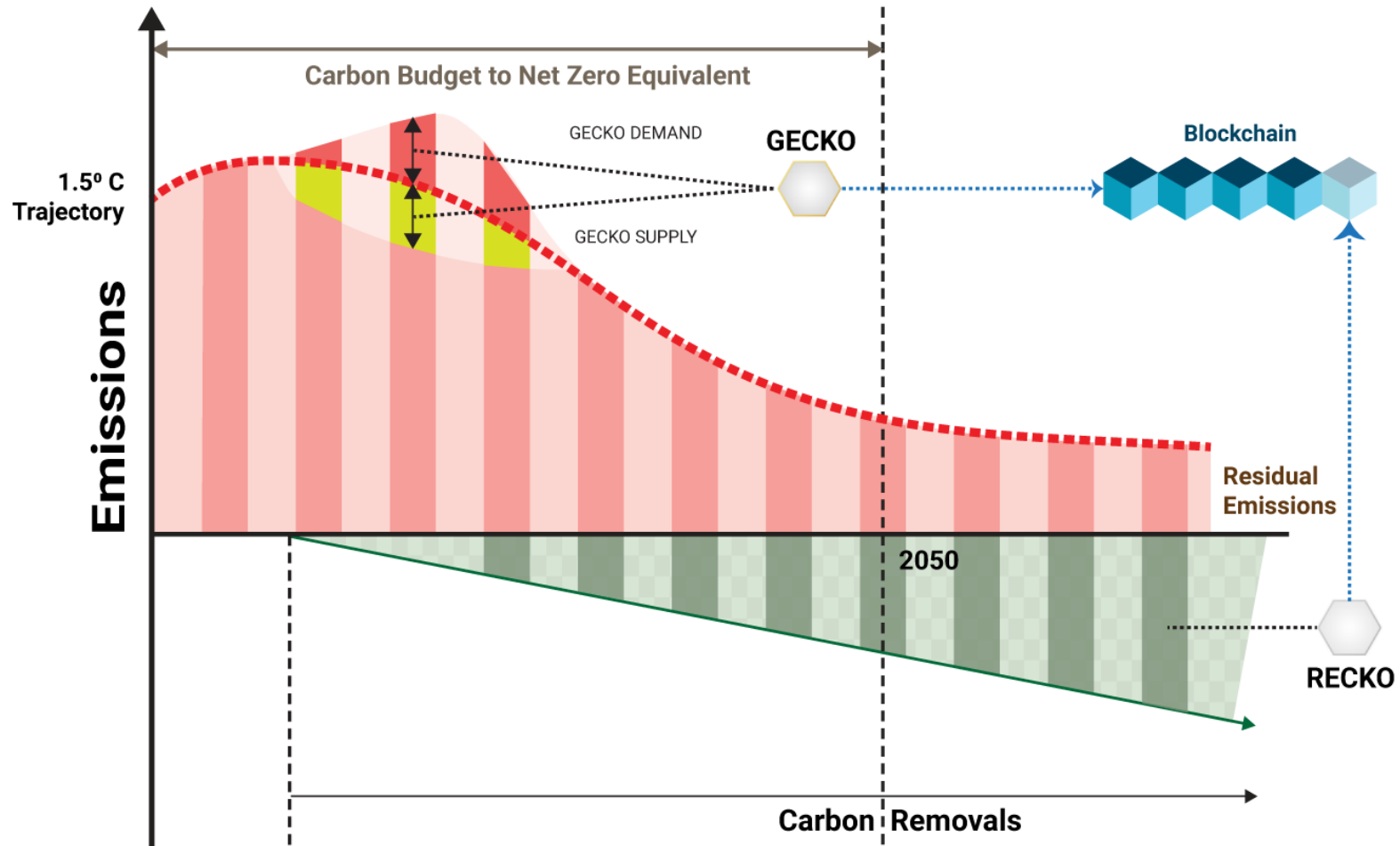
GHG Ecosystem Certificate of Known Origin (GECKO)



Excess Carbon Budget
transfer between interested
parties



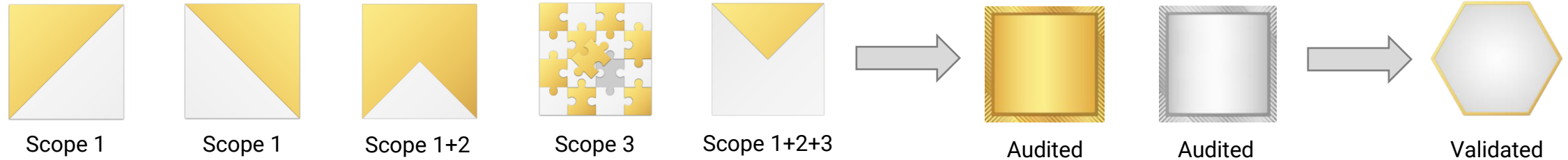
Removals Ecosystem Certificate of Known Origin (RECKO)





Join Our Ecosystem as Early Adopters

Exhibition Stand #29



We would love to hear your feedback and invite all interested organizations to join our Ecosystem to Verify their CFP Progress Data, and then proceed to Audit and Validation !

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