



# \$1 tn

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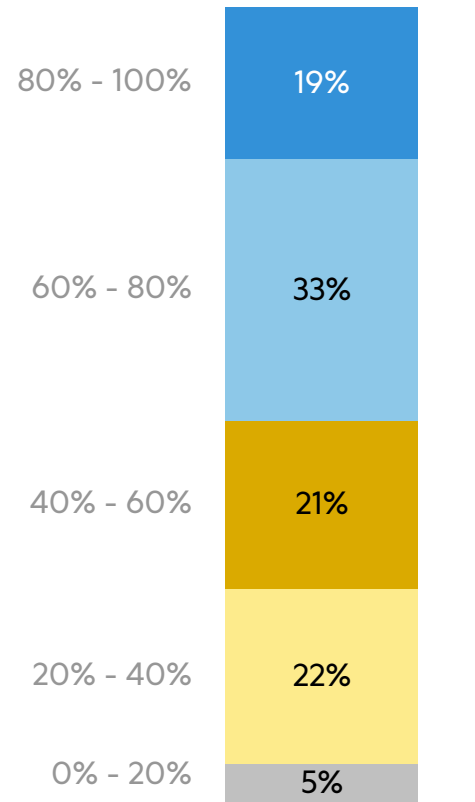
**In 15 years**

# Increasing share of carbon removals

< 20%

Share of credits  
as removals  
2015-2021

Portfolios by carbon removal content



2030

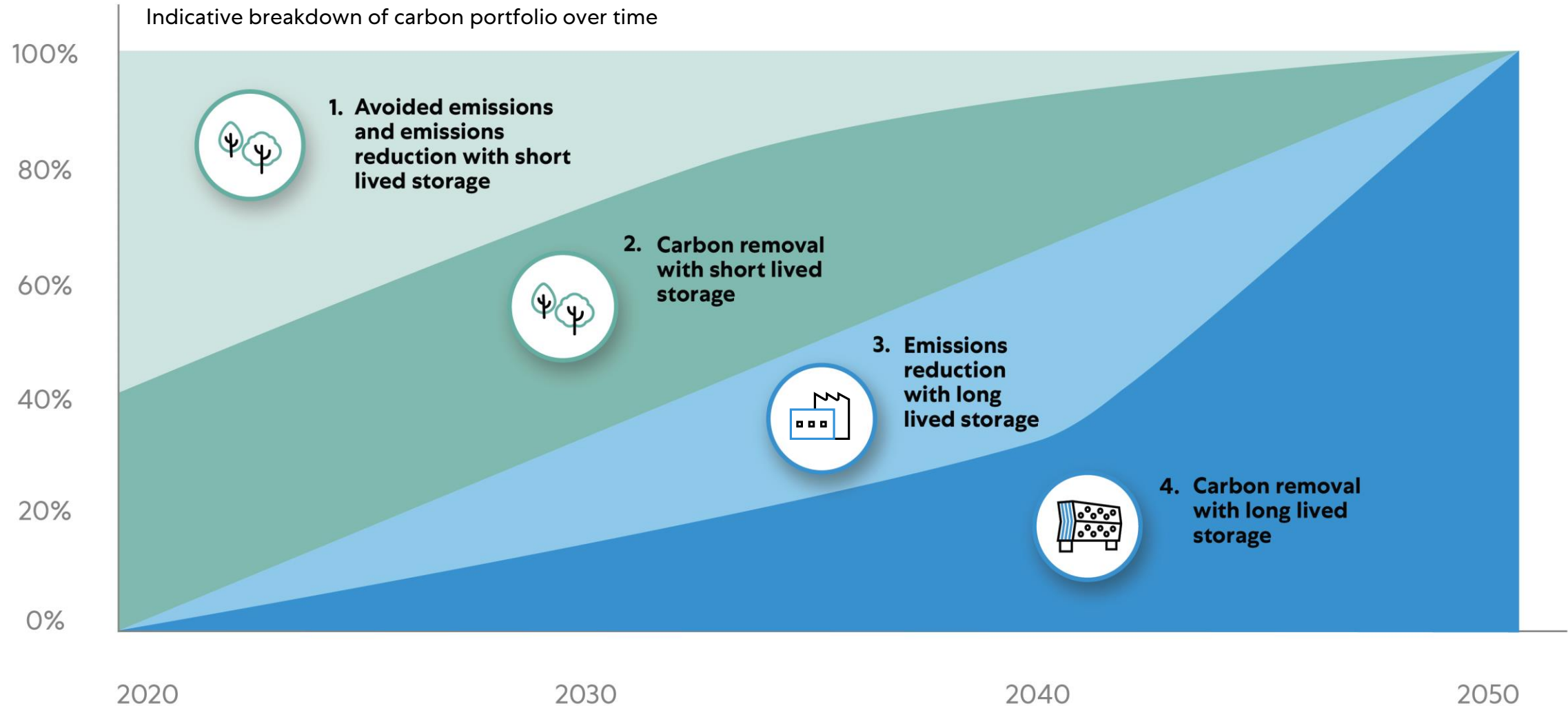
52%

of all portfolios will contain  
60%+ of removals by 2030

7%

of companies  
aiming for  
removal only  
portfolios

# Carbon portfolio breakdown to 2050

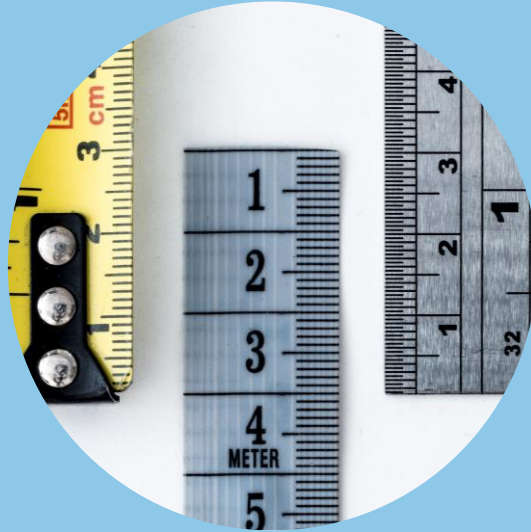


# Direct air capture has clear benefits

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**100%**

**Fully  
additional**



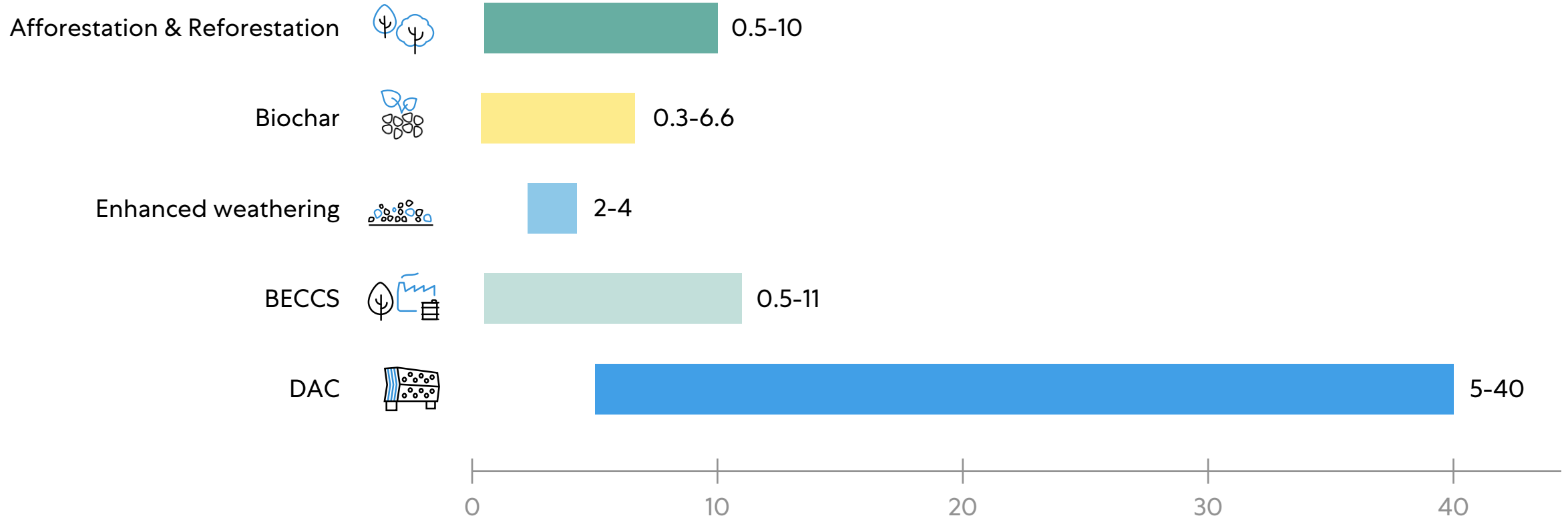
**Fully  
measurable**



**No  
arable land**

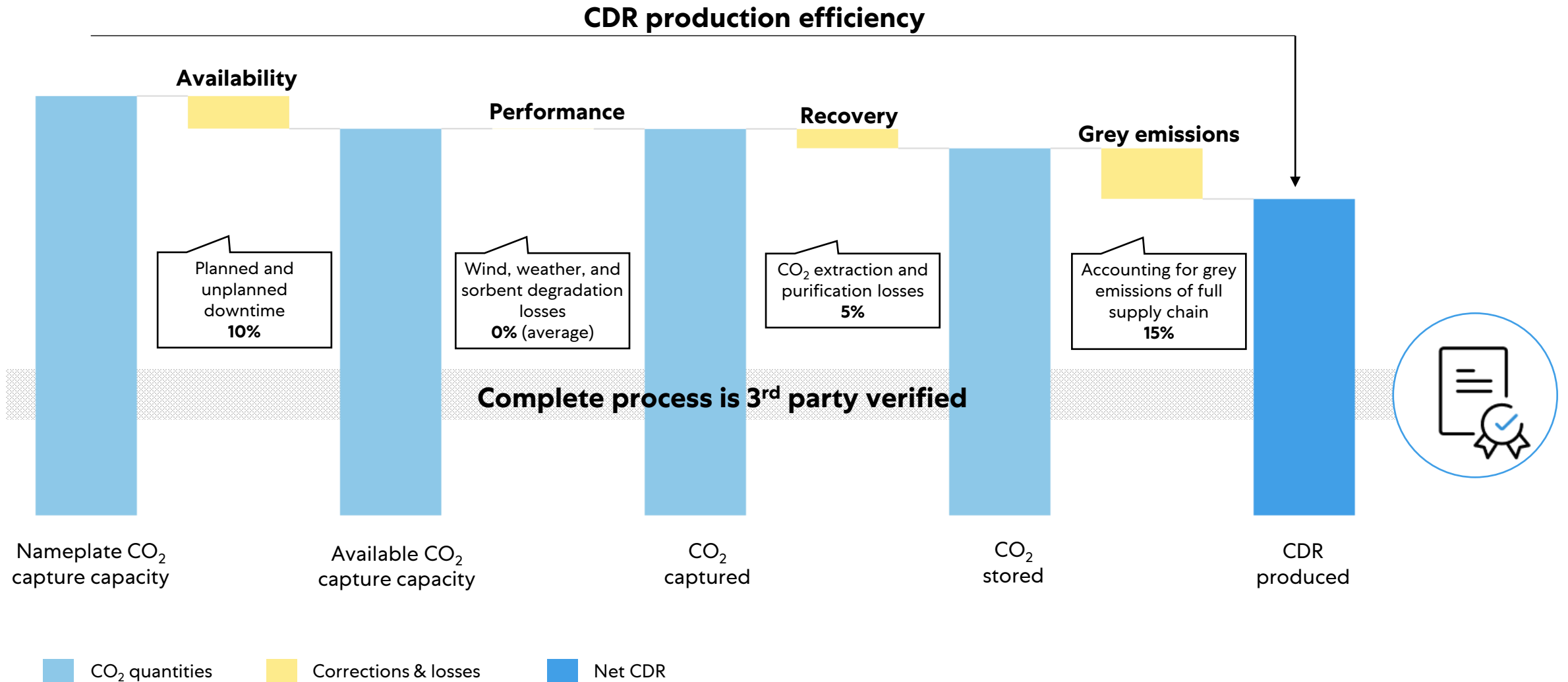
# Large scale carbon removal is needed

Mitigation potential for selected CDR methods, in Gt CO<sub>2</sub>e per year



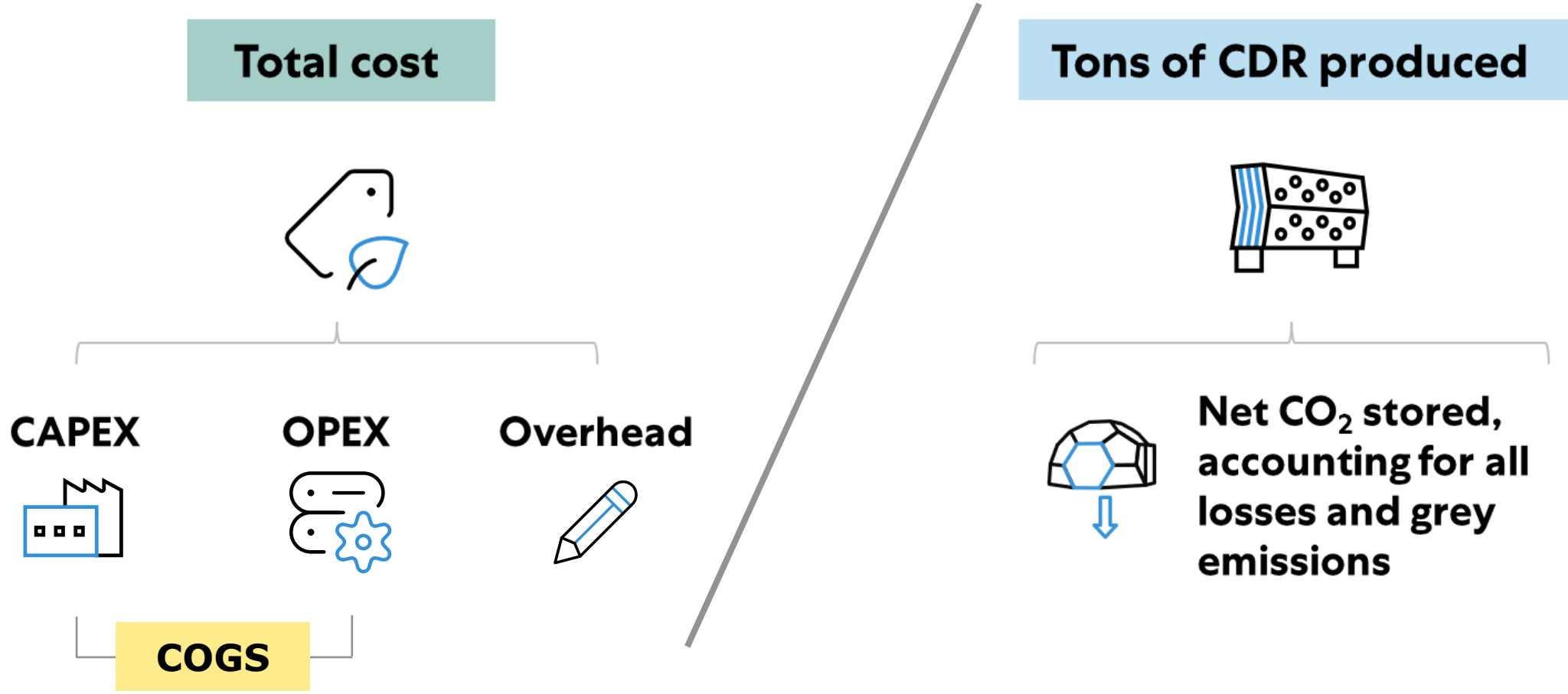


# From capture to removal



# Cost per ton

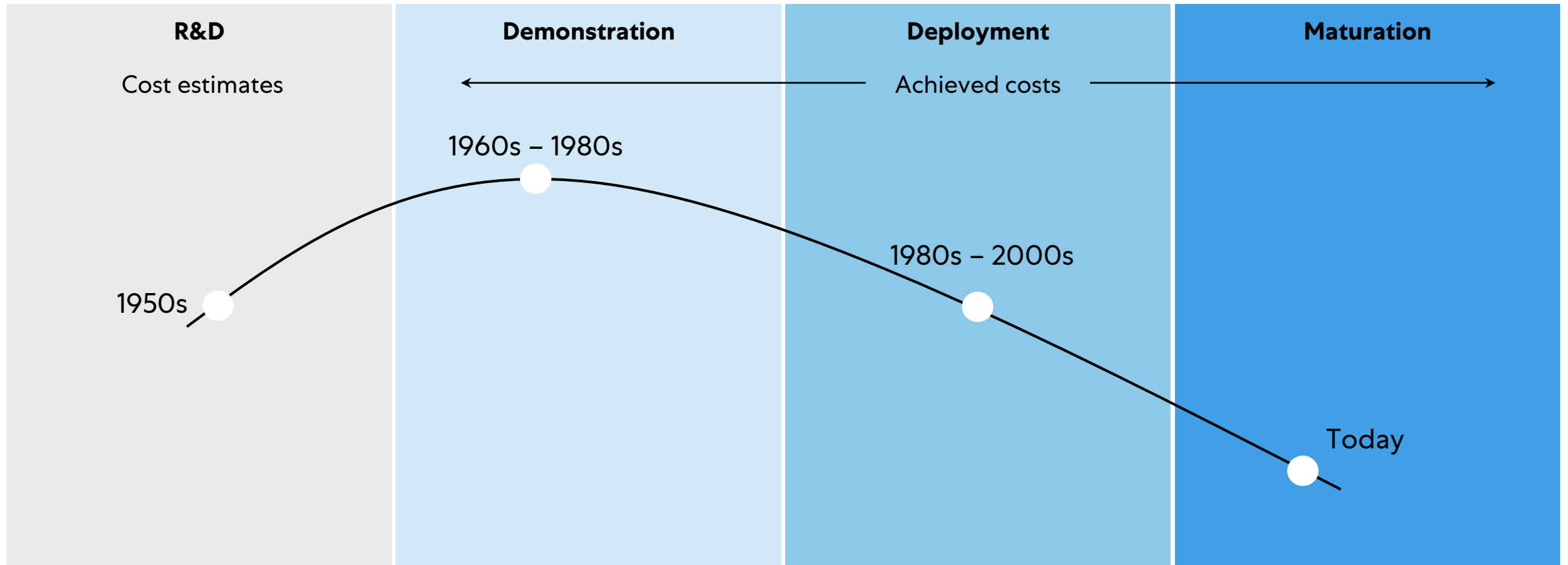
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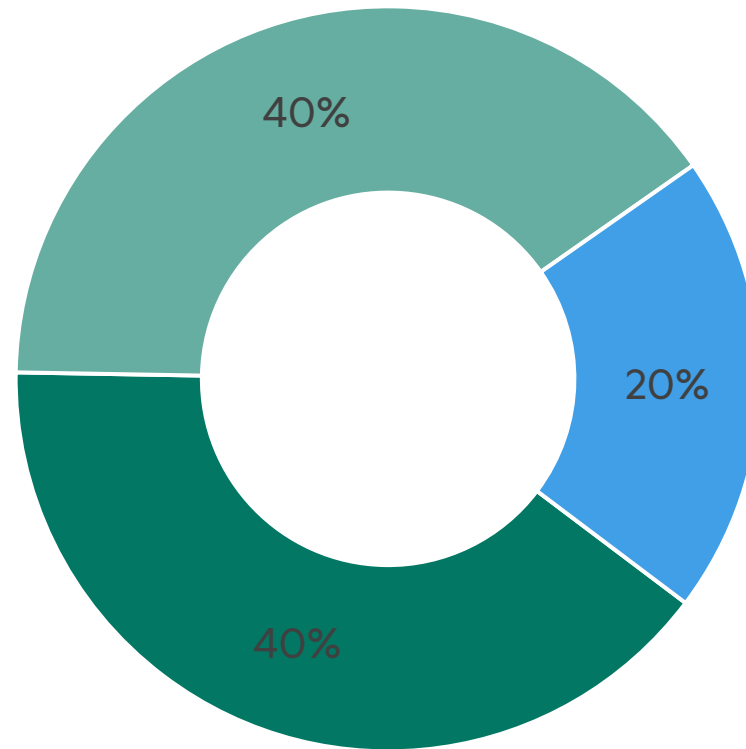
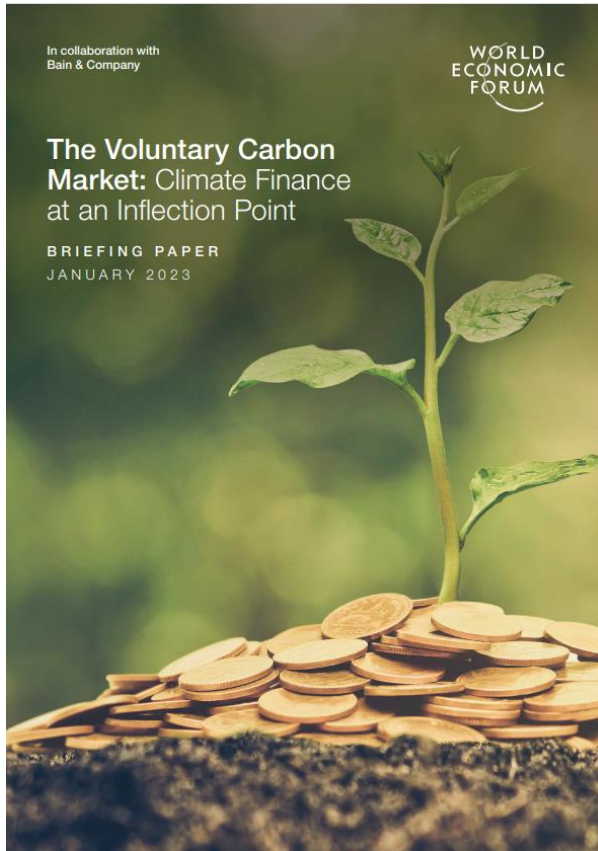


# Technology scale-up has to overcome a cost mountain

Indicative cost evolution of photovoltaic electricity production



# 2023 indicative portfolio



- Nature-based avoidance
- Nature-based removal
- Engineered removal

# 20%

of engineered removals

Net-zero aligned portfolios suggest ~40% engineered CDR by 2030