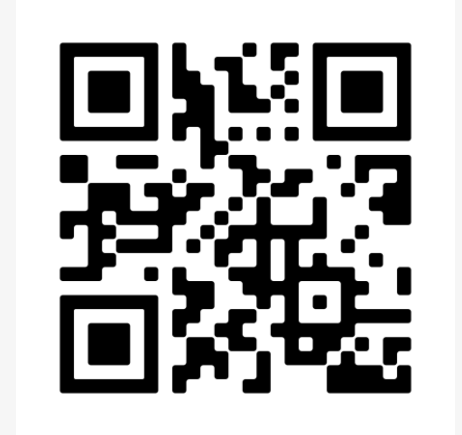
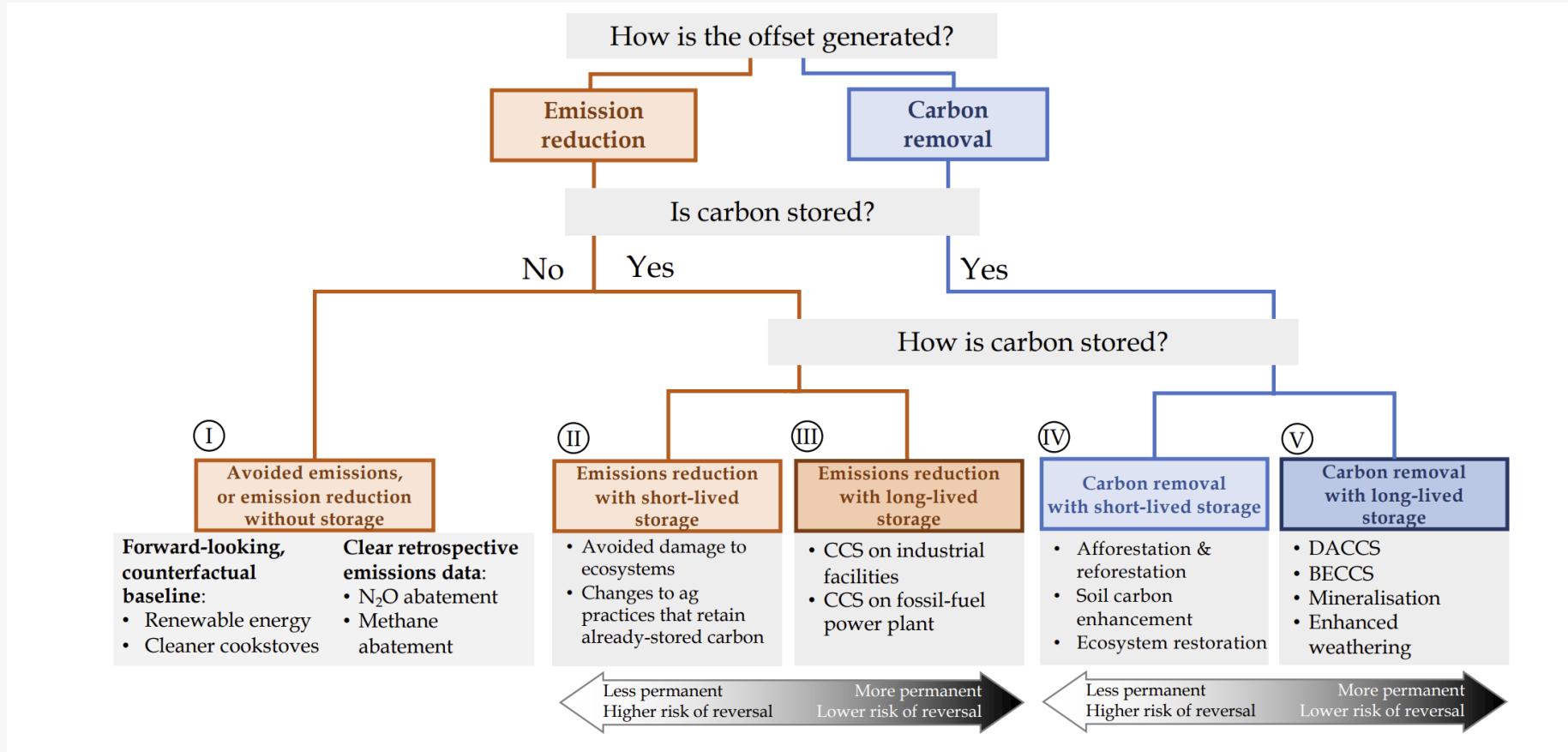




The Future of Carbon Certification

I-REC x Foton 30/09/2022

The State of the Voluntary Carbon Market Today



**The Oxford Principles
for Net Zero Aligned
Carbon Offsetting
(2020)**

Figure 1. Taxonomy of Carbon Offsets (Oxford University)

What Is Durable Carbon Dioxide Removal (CDR)?



Scaling Carbon
Removal: A Climate
Technology White
Paper (2020)

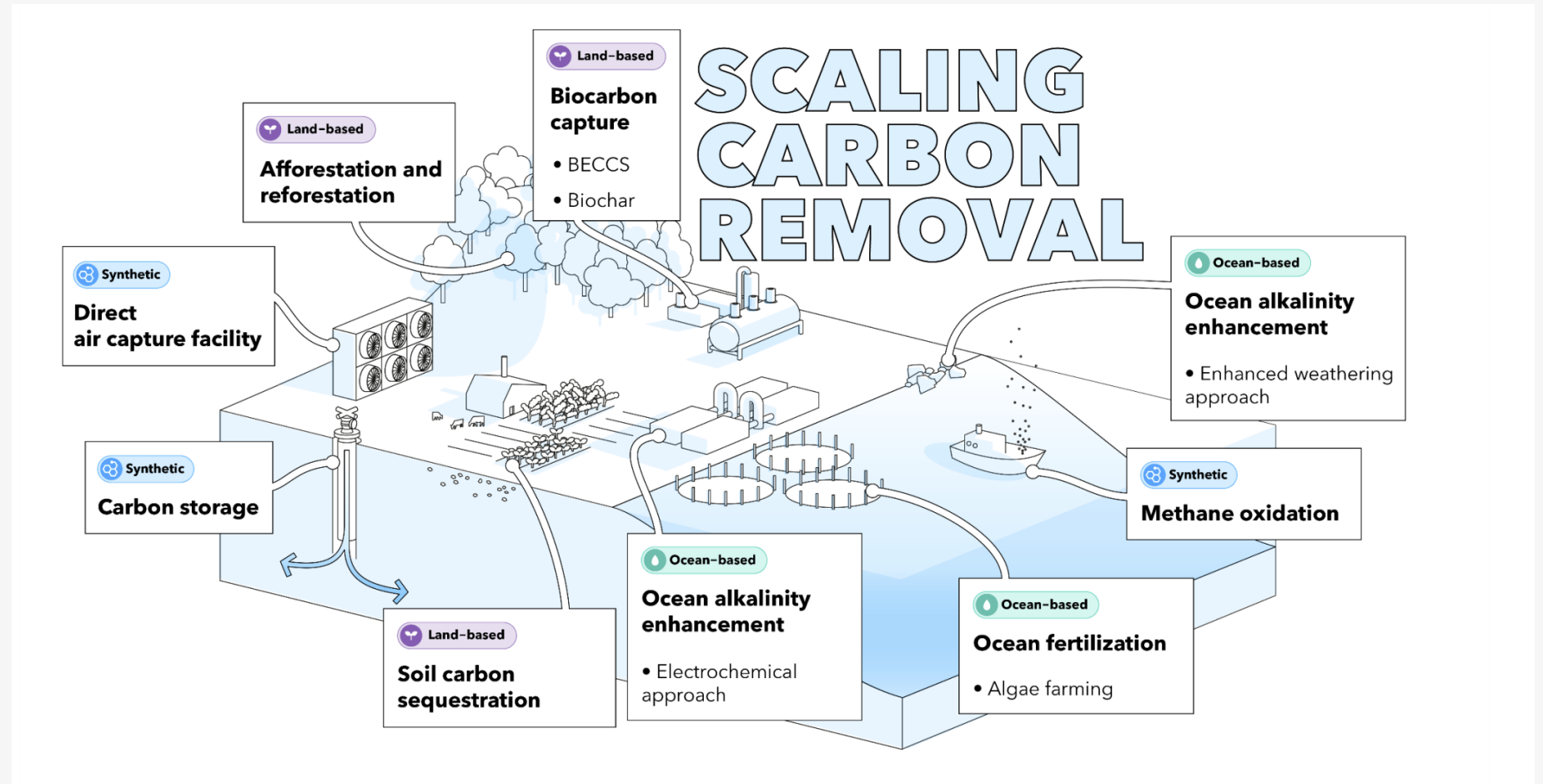
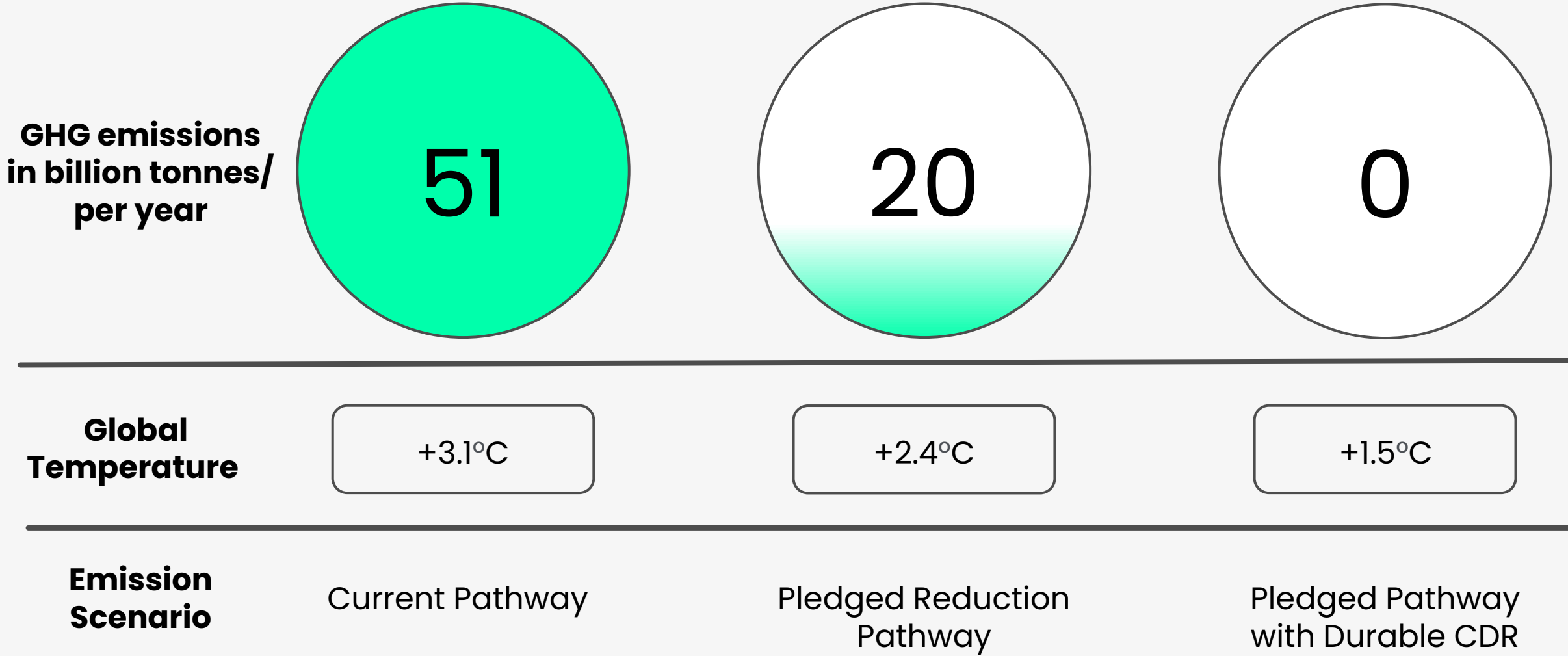


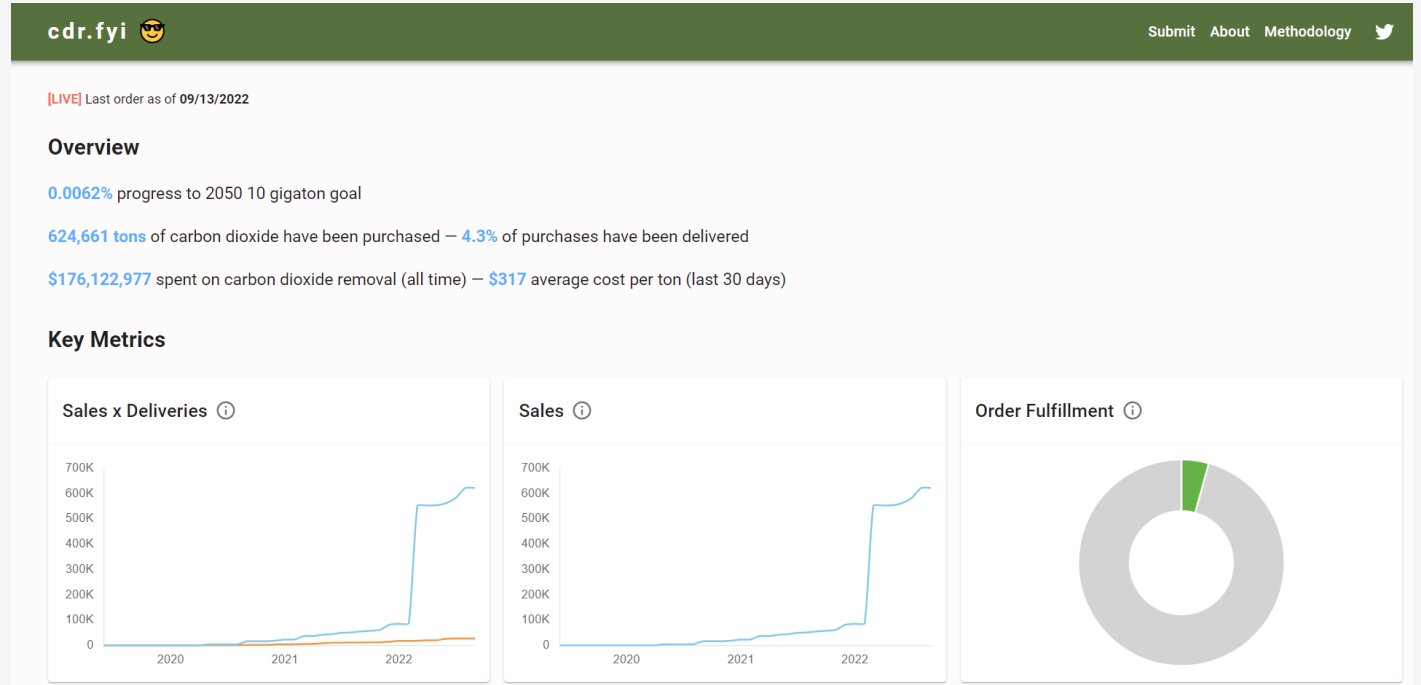
Figure 2. Types of Carbon Dioxide Removal (BloomerNEF)

Why Do We Need Durable CDR?



How much Durable CDR Is Needed?

According to the IPCC (Intergovernmental Panel on Climate Change), **we'll need to remove 10 gigatons of CO₂ from the atmosphere by 2050.**



...we're **0.026%** there.

The Role of Carbon Markets

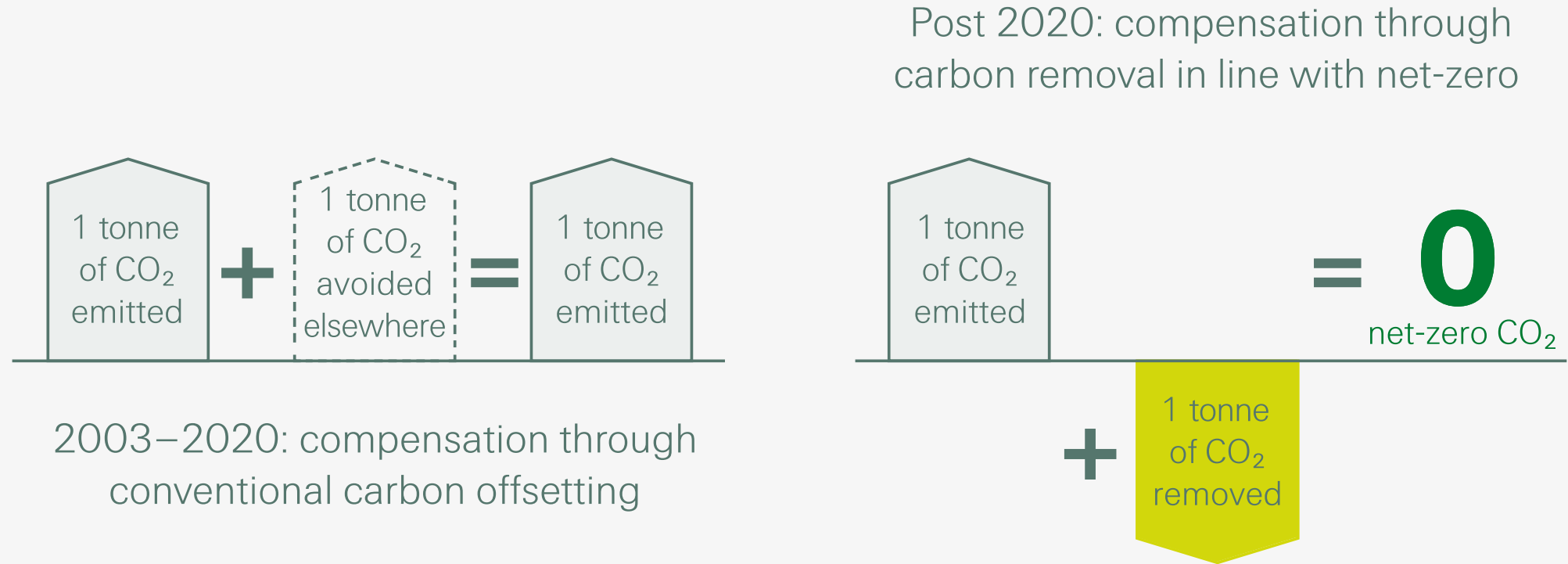


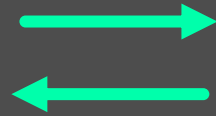
Figure 3. Offsetting approaches old and new (Swiss Re, 2020)

What is C-Capsule?



Buyers

- ▶ Set science-based targets
- ▶ Buy CDR tonnes
- ▶ Claim net zero



Certifier

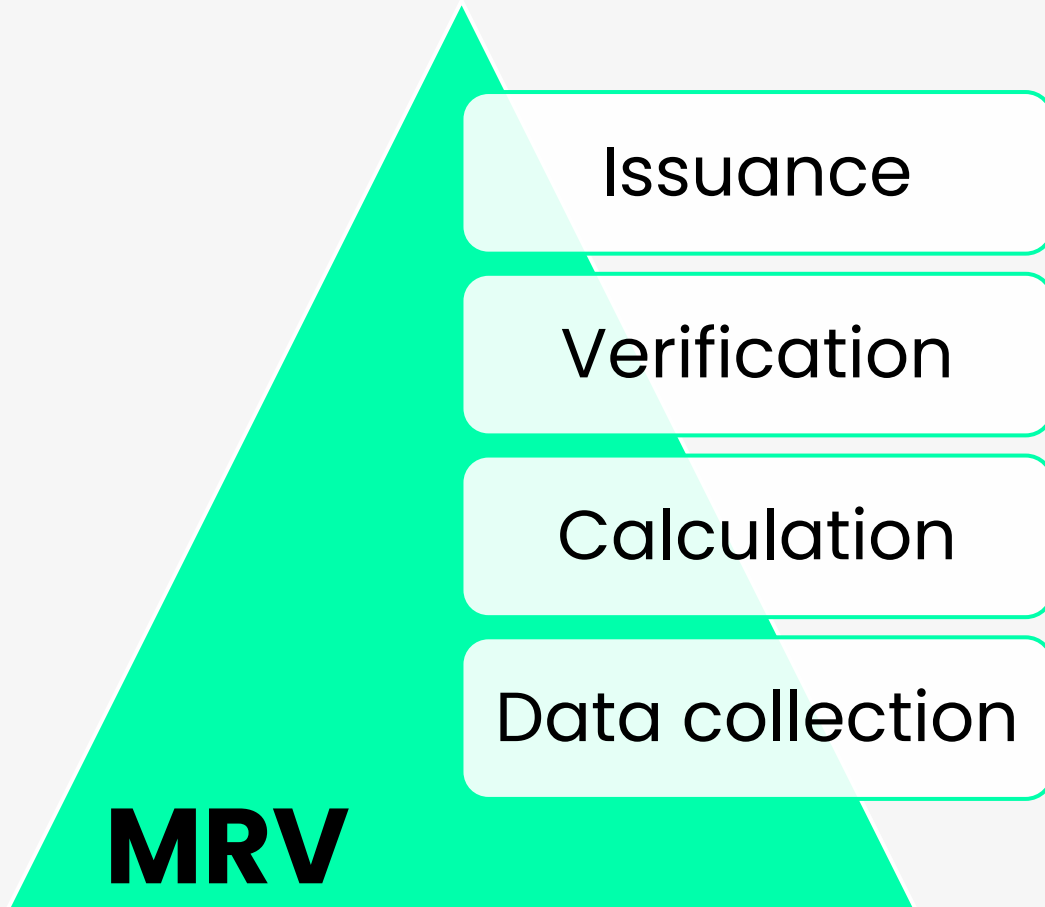
- ▶ Trusted certification
- ▶ Underpinned by digital registry
- ▶ Robust chain of custody



Suppliers

- ▶ Register facilities
- ▶ Sell CDR tonnes
- ▶ Generate revenue

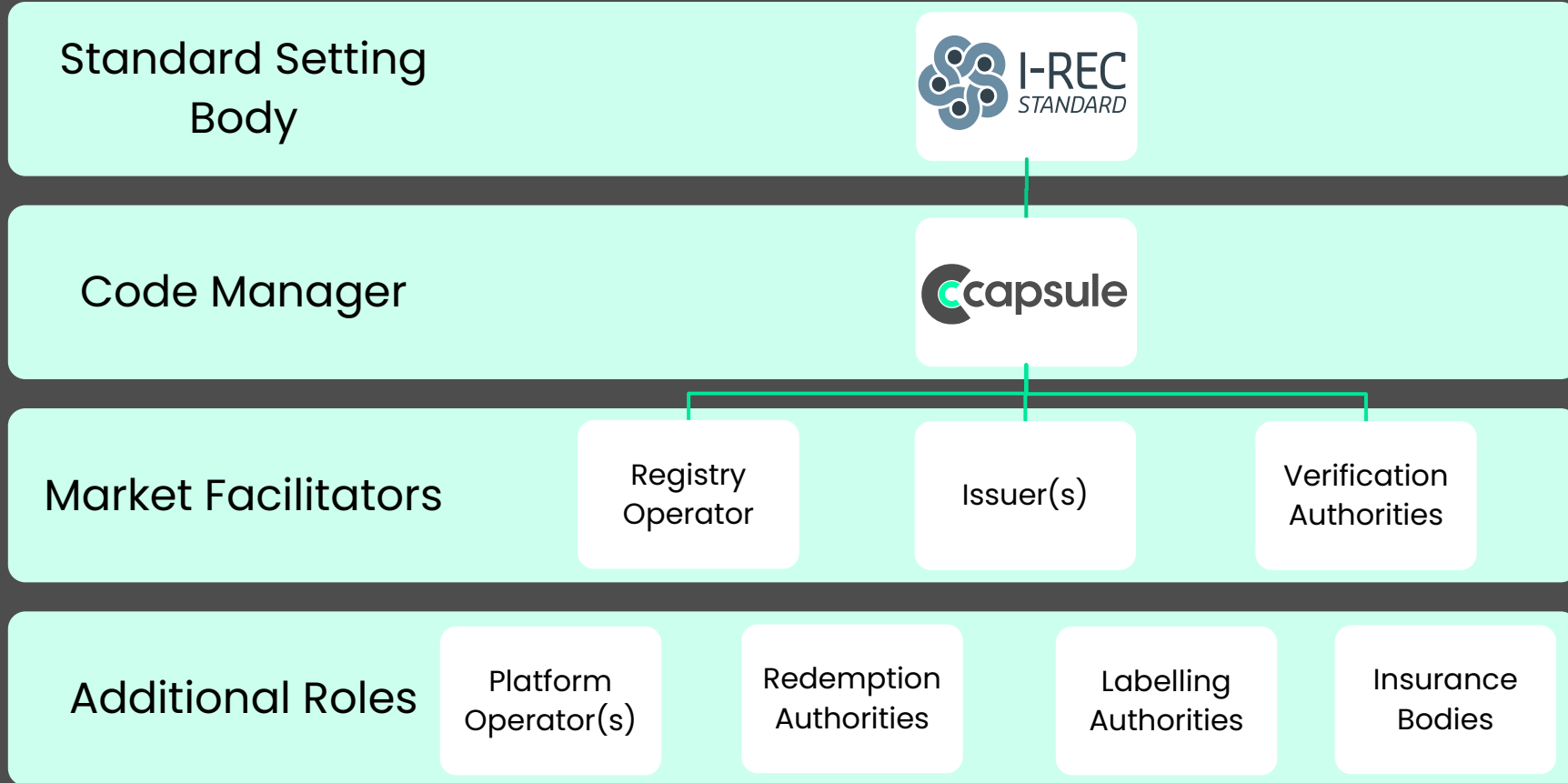
C-Capsule Embraces Digital MRVs



Digital Approach:

- ▶ Automate data collection
- ▶ Automate verification
- ▶ Utilises IoT, mobile technology and online applications
- ▶ Bypass in-person audits
- ▶ Cost-effective

ccapsule Open Framework and Governance Model



Accessible to Governments, Industry and Markets

- C-Capsule can be used as a **Voluntary** and **Compliance** tool
- Non-proprietary model allows **governments** and **independent operators** to assume responsibility



CBAM



United Nations
Climate Change

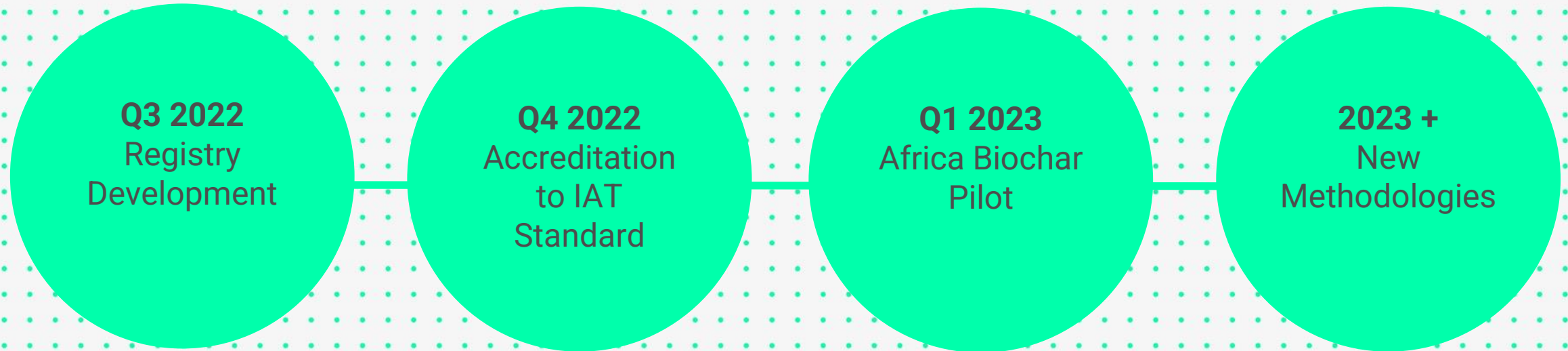
Article 6.4



**Department for
Business, Energy
& Industrial Strategy**

UK ETS

Next steps for C-Capsule



c-capsule Africa Pilot 2023

“Making significant investments in removal facilities in the Global South would be a way to unlock a solution to climate change all around the world.”

Nili Gilbert,

Chair & Board member David Rockefeller Fund



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