Climate Action Data Trust

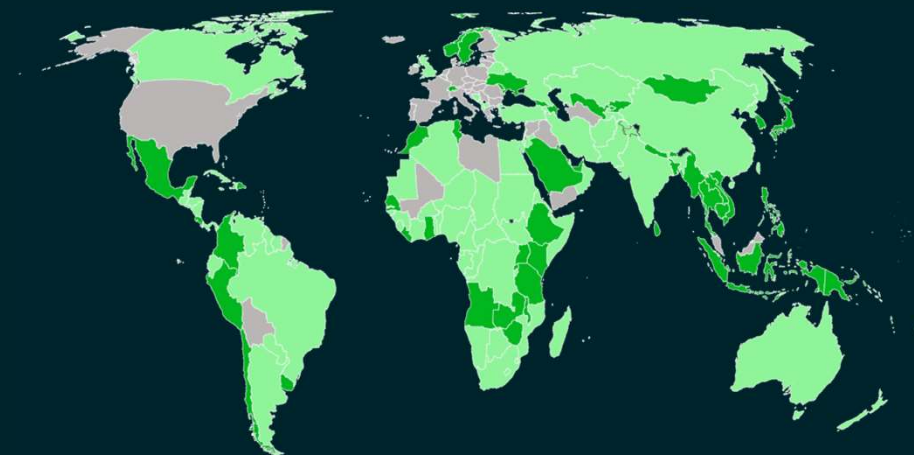Connecting carbon markets through open data

Carbon credits can scale climate ambition

Enabling countries and corporates to do more toward Paris goals

- 70% of countries intend to use international cooperation to meet their nationally determined contributions (NDCs)[1]

- Global cooperation could save countries up to $250B/year in NDC implementation costs by 2030[2]

- Corporate credit buyers are decarbonizing faster than peers rather than stalling[3]

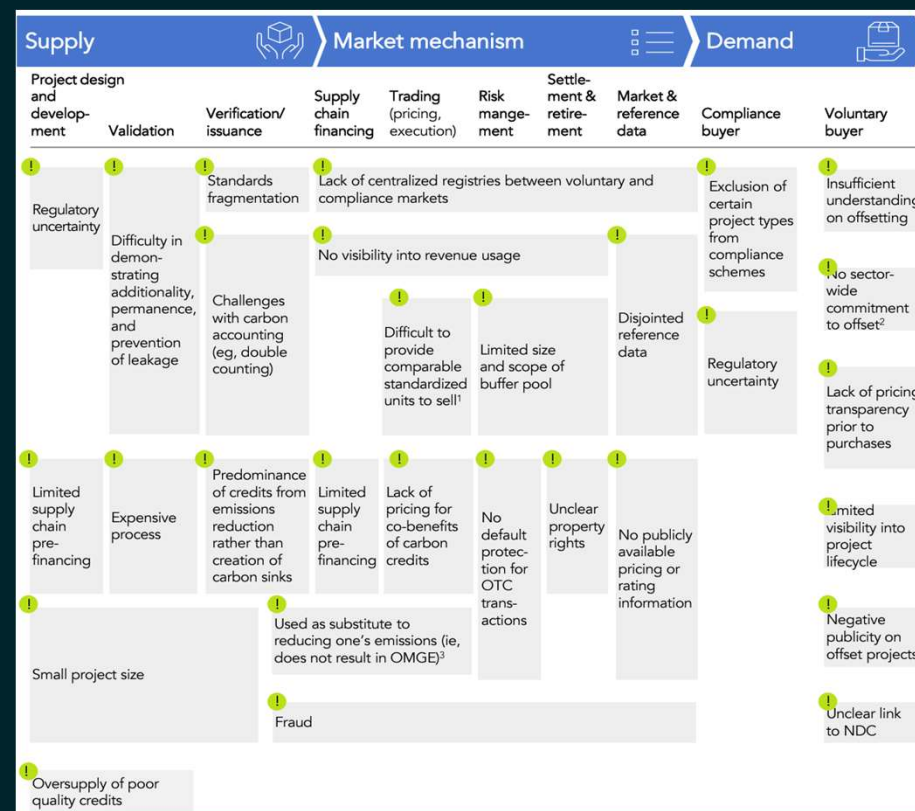- Allowing 50% credit use toward SBTi target shortfall could incentivize 1000 more companies to set them[4]

Countries in green intend to or are piloting cooperative approaches to meet their NDCs or increase ambition (IETA/UNFCCC 2024)

1. IETA/UNFCCC (2024) 2. IETA/CPLC (2019) 3. Trove Research (2023) 4. MSCI Carbon Markets (2023)

But scaling markets with integrity is hard

- Evolving carbon pricing and regulatory landscape, including Article 6

- Credit links to compliance markets and NDCs often unclear

- Lack of centralized registries between voluntary & compliance markets

- Reputational concerns around credit quality and use

Data fragmentation harms efficiency & trust

High integrity markets require improved data systems

- ~50 voluntary carbon market standards,
  200+ methodologies, new Article 6 mechanisms

- Information asymmetries due to lack of joint reference data

- Risks of double counting between programmes

- Difficulties in quality and impact assessment (e.g. ratings)

- General lack of transparency and accessibility

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Public good data infrastructure to address fragmentation in carbon markets

- Public, decentralized and trackable record of carbon credit information

- Common data model for carbon credits

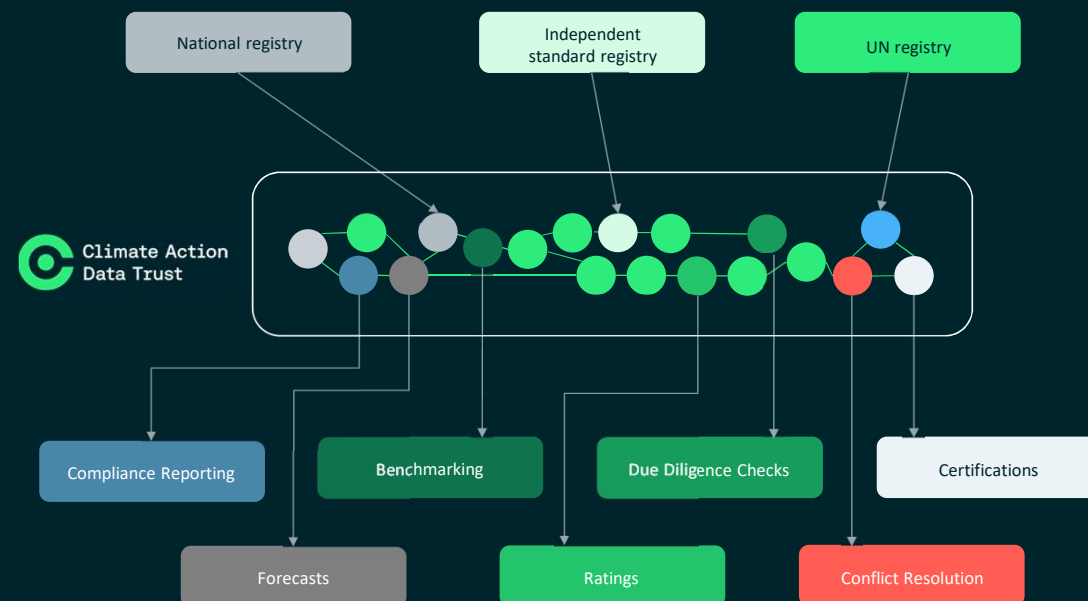- Global stakeholder network and collaborative governance

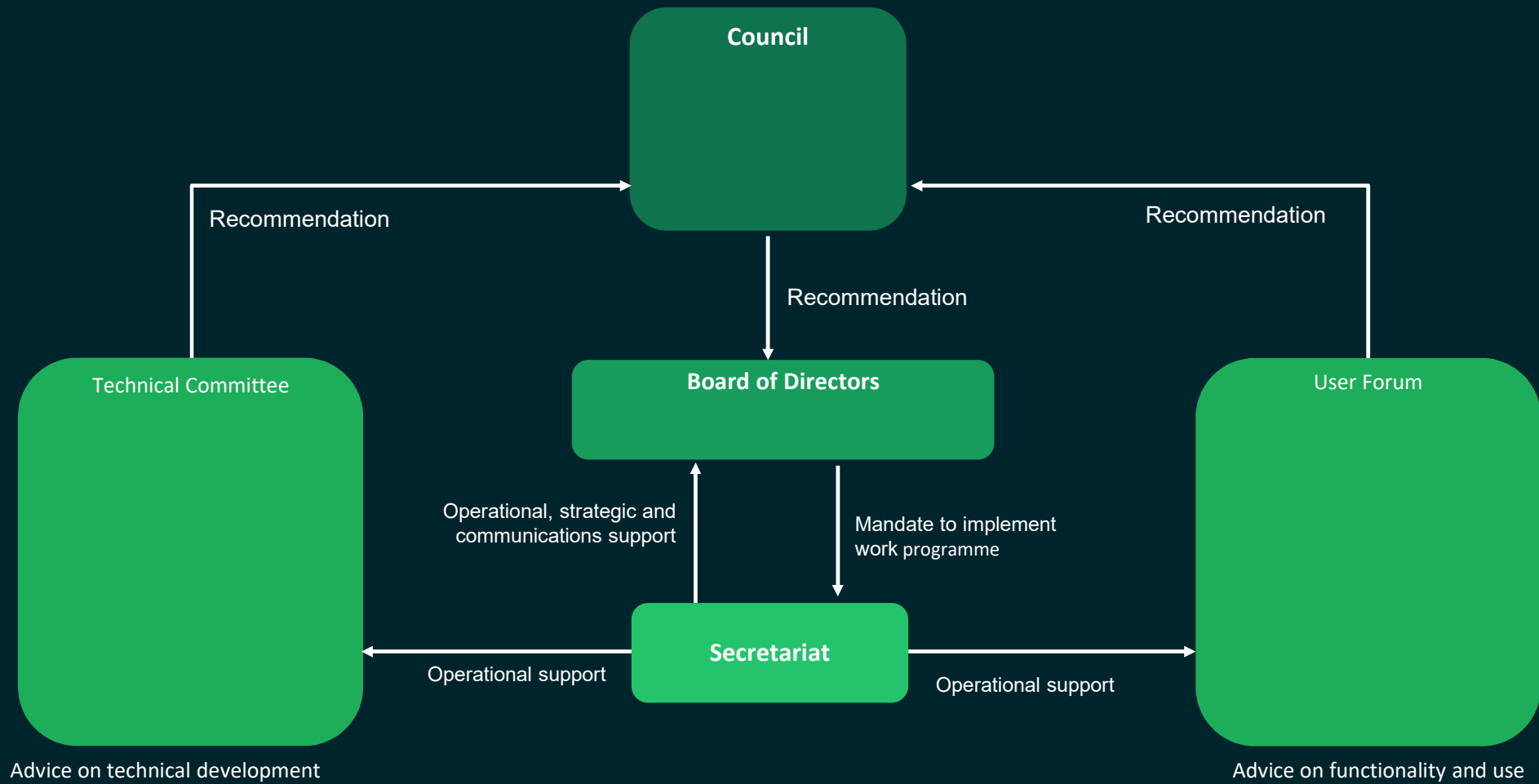# Public good data infrastructure for carbon markets

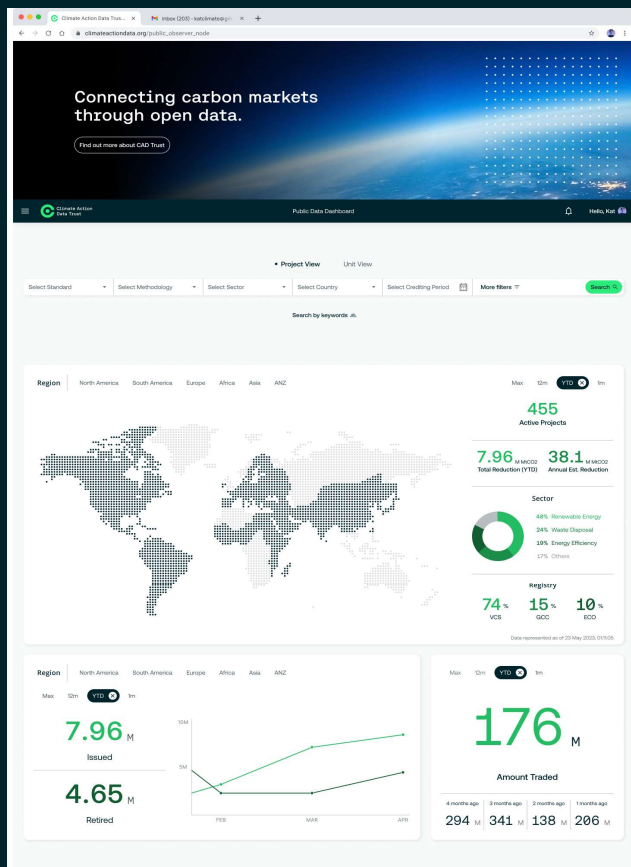## CAD Trust links, aggregates and harmonizes carbon credit data

- Unifying carbon registry data on a single platform using a common data model

- Blockchain for greater security, autonomy and traceability

- Easy to track information on credit lifecycle

- Enabling double counting, Article 6 status, label checks in a single location

- Empowering carbon market services across the value chain

Collaborative global governance

Council

Recommendation → → Recommendation

Recommendation

Board of Directors

Technical Committee

Operational, strategic and communications support

Mandate to implement work programme

User Forum

Secretariat

Operational support ← → Operational support

Advice on technical development

Advice on functionality and use

https://climateactiondata.org/about/

Milestones to date

Click to visit the Data Dashboard

Nov 2019	Concept development starts at the World Bank
Mar 2022	World Bank, Singapore & IETA complete stakeholder consultation on governance and finance
Sep 2022	Data model and platform finalized after a series of simulations with governments and market participants
Dec 2022	CAD Trust starts operations as a not-for-profit organisation domiciled in Singapore
Jul 2023	Governance structure operationalised
Dec 2023	Data Dashboard launched at COP28 with 6 registries covering 85% of carbon market data
June 2024	Data Dashboard hit 1M visits

Value proposition

Trusted data infrastructure enables efficiencies for all stakeholders

Private sector
Analysts, traders, buyers, exchanges, ratings providers, project developers...

- Improved analytics for scaling high-integrity carbon credit investment

Regulators & integrity initiatives
e.g., ICVCM, VCMI, ICROA, CORSIA,...

- Easy compliance checks for labels or claims
- Facilitation of integrity investigations (e.g., double counting)

Public sector
Governments, UN, development agencies

- Building trust through improved accounting and reporting capabilities
- Scaling cooperation through greater visibility of investment opportunities

Connected registries

As of August 2024

Verra   Global Carbon Council   BioCarbon Standard   Cercarbono   Tero Carbon   Government of Bhutan   CDM Registry

Public infrastructure currently funded by grants

Grants and partnerships help support open carbon market data without paywalls

2022

2024

2023

2025

Registry connections and ongoing support

Scaling adoption of the infrastructure and data model

Platform maintenance and further development

Further adaptation to market needs

Secretariat and governance operations

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