

How data can make the transition to net zero a reality

London Climate Action Week
Chatham House
29th June 2022
10:30am

climate arc



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Photos © Rachel Sussman - Antarctic Moss (5,500 years old), Elephant Island, Antarctica

ICEBREAKER ONE

THE TIME

FOR

THEORY

IS OVER

IcebreakerOne.org

MMXIX

Access to most of the world's data is restricted.

This makes it hard to direct **investment** towards material net zero.

We are creating a **web of net-zero data**

Connecting **finance, industry** and **environmental** data.

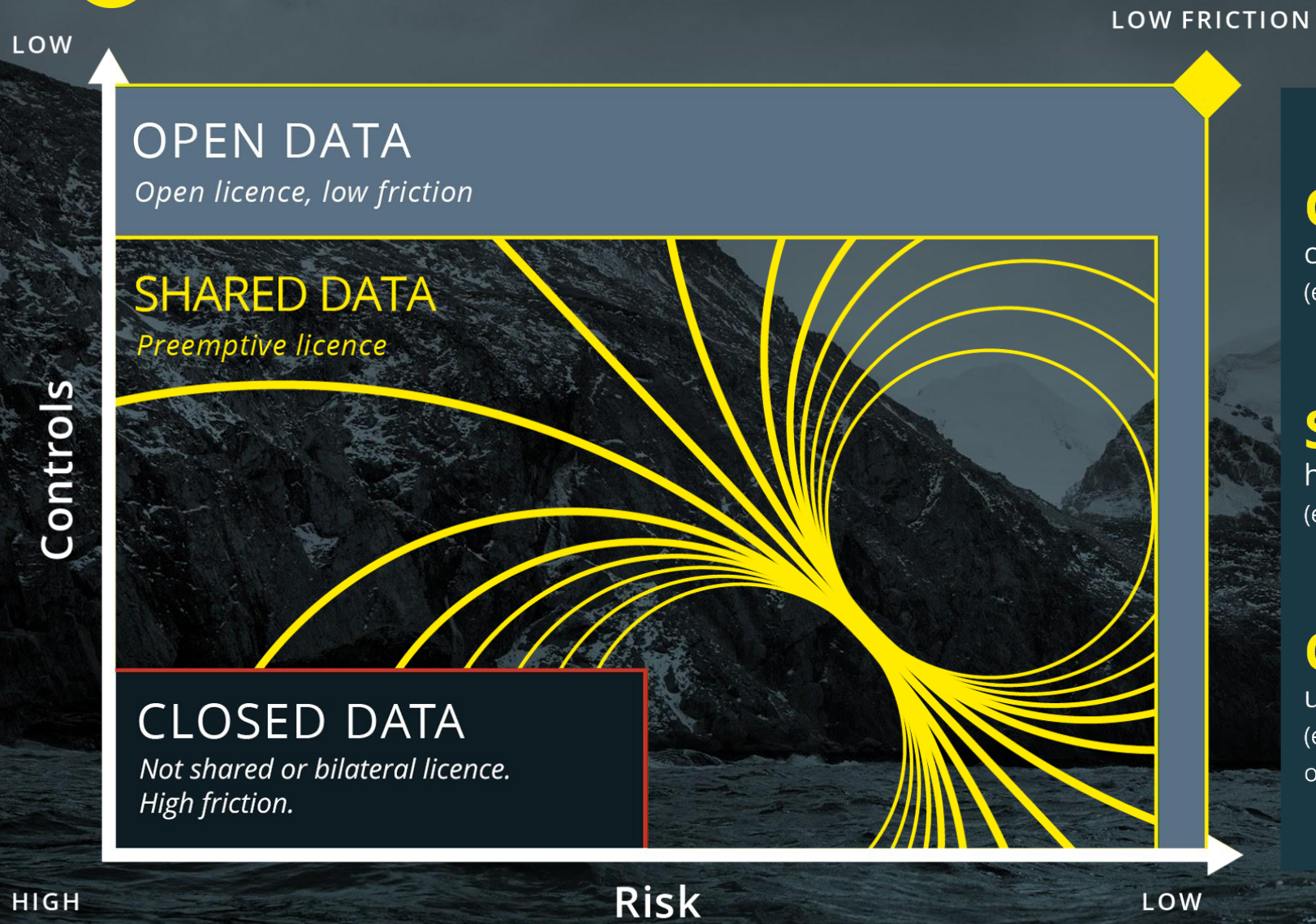
Making **data work harder** to **deliver net zero**.



**Connect
Don't
Collect**

image: Unsplash @huberrd

IB1 Understanding the data spectrum



Open Data (any-to-any)
can be used by anyone for anything for free.
(e.g. Creative Commons, Open Govt. Licence)

Shared Data (many-to-many)
has a preemptive licence for limited usage.
(e.g. 'data as a service' with restrictions on use/audience)

Closed Data (some-to-some)
uses custom contracts between actors.
(e.g. bilateral contracts for a specific use/audience
or that is not shared at all)



Understanding data flow across the value chain



The climate finance data ecosystem



Input data

- Asset-level footprint
- Operational carbon
- Embodied carbon
- Geospatial
- Environmental
- Policy & regulation
- Climate science

Modelled data

- Risks
- Hazards
- Exposure
- Vulnerabilities
- Financial stresses

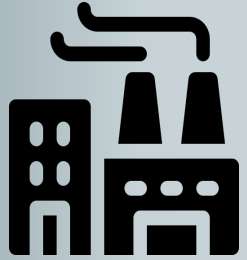
Output data

- Emissions data
- Reporting (e.g. TCFD, SFDR)
- Risk ratings
- Financial forecasts

Climate science



Policy & regulation



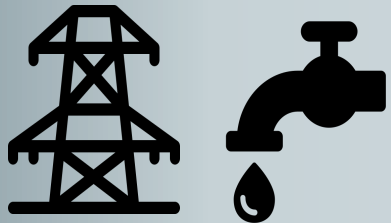
Making



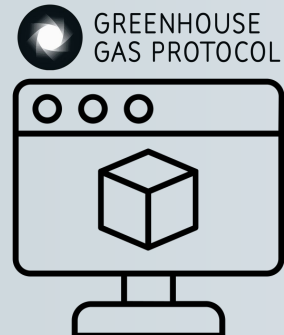
Carbon accounting



Reporting



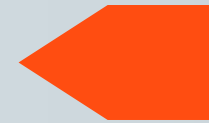
Distribution



Models



Audit



Markets

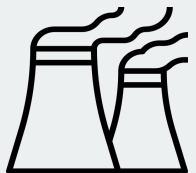


Investors

Asset managers,
Banks, Funds, Insurers



Resources



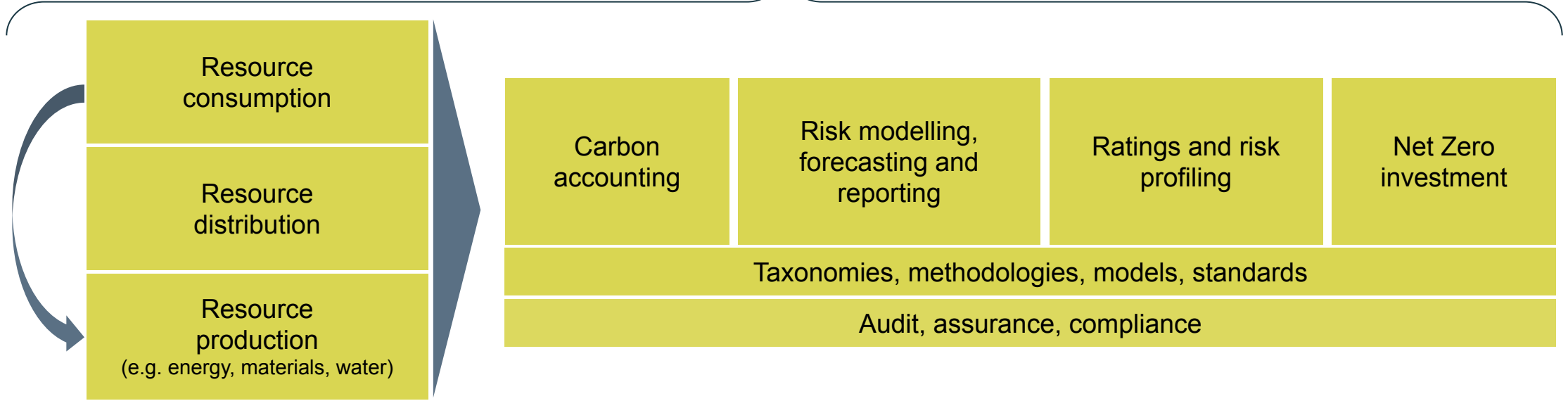
Real economy

Financial economy

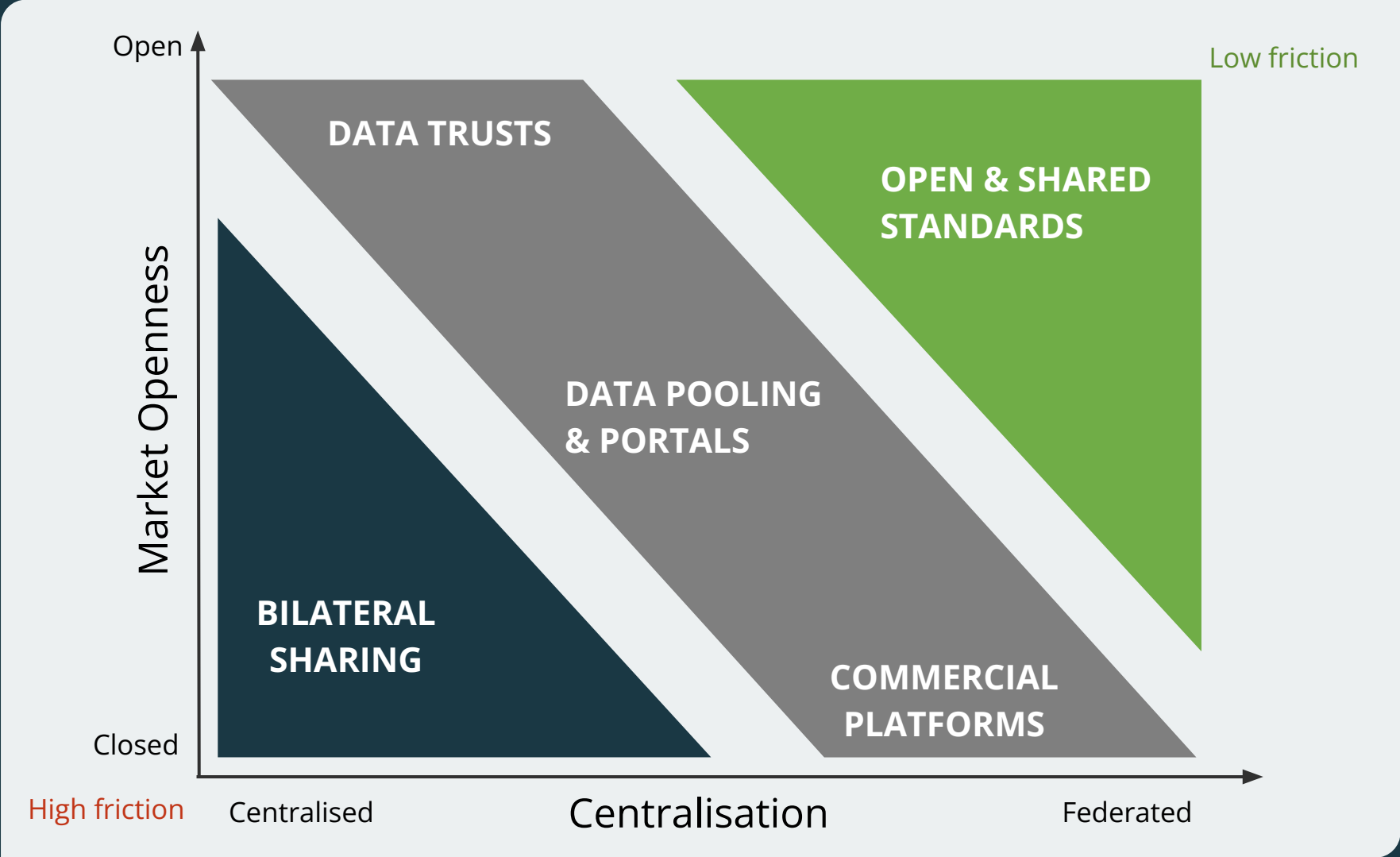
How the real economy meets the financial economy

Climate science

National targets
Policy & regulation



Market approaches for data sharing



Group discussion #1

What does success look like?

How can data make the transition to net zero a reality?

What critical paths need to be unblocked to make information flow, to hit net zero by 2050?

Group discussion #2

Making it happen: steps forward towards open climate data

What principles will drive market adoption?

What is your role in making it happen?

A photograph of a rugged, snow-dusted mountain range in Antarctica, viewed from a low angle. The scene is overlaid with a semi-transparent circular frame and several thick, intersecting lines in bright yellow and orange. The background behind the text is a dark, textured blue-grey gradient.

Summary & next steps

climatearc.org // icebreakerone.org