We cannot manage what we cannot measure. We cannot act on what we cannot trust.

We're generating huge quantities of data from our financial systems, built world and environment. But we're missing the opportunity to use it to get to net zero. We need to connect it to see the whole picture. This will generate material insights that derisk investment and enable the creation of new incentives.

Lack of trusted data flow is leading to poor decisions that make it more risky and difficult to quantify and invest in the transition to net zero.

This isn't a problem that needs new technology. Many attempts to consolidate data—new databases and portals—struggle to scale, and we're letting the opportunity to modernise slip through our fingers. Our economic and industrial systems are being digitised in a decentralised way.

It is vital that data can flow more easily, requiring we clarify the rules of the road. We want to reduce the friction of finding, accessing, and using both commercial and non-commercial data.

Material progress — above and beyond

We raised over £4M in our first two years of operation from government grants, philanthropic sources and commercial membership.

"A tremendously successful initiative that has gone above and beyond what was expected.", Funder

We have successfully delivered both national and international programmes that span the public and private sectors, convening enterprises, SMEs and startups, and successfully enabling collaboration across commercial, legal and technical teams.

We are a Tier-1 member of Mission Innovation, helping lead the delivery of the Paris Agreement. We created Open Energy to enable industry and consumer energy data sharing across the whole sector and beyond.

With Bankers for Net Zero, we are running a national programme to automate GHG reporting for every UK SME. We support initiatives across finance, water, transport, agriculture and the built world.

What is Icebreaker One doing?

Icebreaker One is a market catalyst. It helps create data-enabled open markets. It is unlocking the data infrastructure to enable demonstrable delivery of net zero (and across 10 SDGs).

*There is no 'centre' in a system like this: we must **connect not collect**.*

To aid decarbonisation at scale, we are creating a web of net-zero data; connecting finance, industry & environmental data to inform net-zero decisions.

Most of this data is restricted, so we're unlocking **access** by creating coherent governance, policies, guardrails and implementations that ensure data is usable, comparable, machine-readable and trusted.

To achieve Net Zero transformation we are working across industries, sectors & governments through:

1) **Icebreaking**: co-creating principles & rules with private and public actors. We convene multidisciplinary, multi-sector groups to enable sectors to define open standards.

2) The IB1 **Trust Framework** implements and operationalises those standards: applying and assuring rules to unlock data flow between organisations and across sectors, supported by industry and government.

We've done this before — our reputation

Our team led the creation of the Open Banking Standard, which enables data to flow across financial systems, is now being applied in over 80 countries and is projected to be a $120B market.

We led the creation of, and ran, the Open Data Institute, which has impacted over 40 countries' national data strategies: creating & balancing private sector benefit with the public interest.

Our ask — we need to scale up

We seek **£20M core catalyst funding (over 5 years)** to build the team and scale. We aim to match fund this from across industries, using our Membership model to deliver a sustainable, evolutionary, scalable, operational model.

Advisory board

Celeste Connors has 20 years experience in economic, environment, energy, and international development policy. She was Director for Environment and Climate Change at the National Security Council and National Economic Council in the White House.

John Elkington is an award-winning world authority on corporate responsibility and sustainable capitalism, a bestselling author and serial entrepreneur. As founder and chief-pollinator of Volans, he works with leaders to make sense of the emergent future to unlock the potential of their organisation.

Baroness Bryony Worthington is the Executive Director for Environmental Defense Fund, Europe. She is a leading expert on climate change and energy policy, and was instrumental to the adoption of the UK Climate Change Act.

Volker Buscher is Arup's Data Leader (Chief Data Officer). He is a member of Arup's Group Board Digital Executive, with responsibility for developing Arup's creativity with data at scale and digital innovation across our industries.

Irene Graham is the CEO of the ScaleUp Institute. She is a former senior banker at Standard Chartered Bank and was the Managing Director at the BBA responsible for Commercial Banking.

Founder of Icebreaker One, Gavin Starks has created, funded and run over a dozen organisations including:
CEO, Open Data Institute
co-Chair, Open Banking Standard
CEO, AMEE (global environmental intelligence)

Icecore team (selection)

Michelle Prescott — People Development
Extensive experience & expertise in building teams, delivering people management and organisation development that enable organisations to meet their goals. Enables organisations to accomplish more by creating open, collaborative, ethical, safe, supportive and enjoyable places for people.

Kathryn Corrick — Strategy Director
Robust experience in data and digital development, communications & change management. Practical understanding of public policy & compliance. Founding partner of Corrick, Wales & Partners LLP; head of learning & content at Open Data Institute.

Gea Mikic — Co-founder & Programme Director
Leads programmes focused on systems-level interventions that reduce vulnerability to disasters & protect livelihoods from climate change by changing cultural mechanics. Background in disasters, urban resilience, and languages; particular interest in risk communication.

Laura Townshend – Head of Communications
12 years' strategic communications experience with a focus on digital. Specialises in translating technical complexity into human language & using technology to scale up impact. Has delivered programmes including green recovery, climate pledges, financing for renewables technology, and climate consequences of policies.

Frank Wales — CTO & Delivery Manager
25 years' of mission-critical software and systems development, management and innovation, from Hewlett-Packard to BBC. At Net-a-Porter, built and ran teams delivering customer, order & payment systems, invented real-time fraud analysis system, and fostered innovation across the business.

Chris Pointon – Product Manager
Has led design and development of large-scale data products in marketing, social media, cybersecurity and personal data management. Has been a technical co-founder of six companies. Two exits, two still operating, two were "learning experiences".

Zoe Swiderski — Senior Project Manager
12 years' in public sector project management; worked across software development, user experience & test roles for small and large financial companies. Computer Science background.

Julia Higginbottom – Community Manager
20 years' digital specialist with a passion for community, open source data, and working in the open to the benefit of a wider sociocracy. Former film & TV producer.

Tom de Grunwald – Membership Manager
Creates connections to better enable positive outcomes for society and the planet. Has worked with Wellcome Trust, Good Law Project, Channel 4, and is an Open Rights Group board member.

Jakob Howard – Commercial Manager
Extensive experience in planning, managing & delivery as a commercial manager; scaled AI start-up from university spin-out to autonomous vehicle UK leader. Engineering background.

Caroline Fraser — Account Manager
Environmental professional with experience in non-profits, government agencies & private sector focusing on policy and urban planning.

Jenna Ilic – EA & HR Coordinator
12 years' Third sector experience in administration, executive liaison and business support, playing an integral part within senior management.

Michael Bird — Researcher
Background in investigative, data and narrative journalism; specialised in the energy sector, with a focus on renewables and the transition from coal.

Sheree Hellier – User Needs Researcher
Expert in marketing, insight, research & innovation; enjoys demonstrating the value of the customer's voice across all stakeholders.

Paul Johnston – Data Solutions Analyst
Experienced technologist with UK Government (e.g. One Login), AWS and a senior developer advocate. Has led renewable delivery projects to the grid.

Emmanuel Coker – Business Analyst
12 years' experience in banking, business operations, customer success, corporate services and retail sales.

Kip Parker- API/Back-end Developer
Software developer with broad and deep skills from e-commerce sites to streaming platforms to social networks.

Use cases

Data infrastructure foundations

Open Net Zero

Open Net Zero is a starting point for net-zero data infrastructure, built to address commercial, non-commercial, government and public needs.

It helps make net-zero data discoverable, with over 48,000 datasets made accessible and usable. As a global catalogue, it indexes both open data and restricted commercial data to enable it to be searched for and securely accessed.

Using the Icebreaker One Trust Framework it is laying the foundations for assurable data flow across and between sectors.

http://opennetzero.org

Open Energy

Icebreaker One has led the creation of Open Energy (through a UK government-funded, national competition) convening industry, regulators, trade associations and government to develop national energy data infrastructure.

This process has co-created the underlying Trust Framework to enable assurable data sharing across and between sectors (e.g. Perseus).

https://openenergy.org.uk

Stream

Funded via UK water regulator Ofwat, Icebreaker One is working with the water sector to develop 'Stream', creating Steering and Advisory Groups, and operating its secretariat.

The aim is to deliver a Trust Framework for data sharing across the water sector.

http://ib1.org/water

Implementation examples

Perseus

Icebreaker One is currently leading a program of work in collaboration with B4NZ, which is the UK country chapter of the NZBA and is part of UNEP FI and GFANZ. The program, codenamed Perseus, aims to improve access to assurable data and unlock capital by providing better data access.

We are working to unlock access to capital by automating GHG reporting for every SME in the country.

The program is included in the UK's 2023 Green Finance Strategy and was presented at COP28.

http://ib1.org/perseus

SERI

Funded via UKRI, Climate KIC, and commercial partners including Aon, Lloyds Register Foundation and Arup, SERI developed a blueprint for Climate-Ready Financial Products.

The programme designed a Climate-Ready Building Passport that the commercial vendors are developing into products. Those products will utilise data flow unlocked by Open Net Zero.

http://ib1.org/seri