



Original thinking... applied

Climate Programme - Carbon Policy

Protecting you, what you eat, and the world in which we live.

1. Introduction

We are a socially responsible, expert scientific services business delivering world leading support to public and commercial sectors to address the most demanding UN Sustainable Development Goals for the benefit of humankind and our planet.

Sustainability is central to Fera's purpose and aligned to this Fera is fully committed to conducting its own business operations in a sustainable and responsible manner, in compliance with applicable laws and regulations, and in a manner that protects the wellbeing of our employees, clients, partners, local community, and wider world.

Our Climate Programme – Carbon Policy – is a key feature of our wider Environmental, Social and Governance Sustainability Policy. This policy sets out Fera's specific approach to Carbon measurement and reduction.

2. Environmental Goals

As outlined in our ESG Policy, Fera has the following Environmental Goals aligned to the UN Sustainable Development Goals.

Goal 1 – Climate Action

Monitor and reduce our carbon footprint by decreasing controllable emissions, promoting sustainable travel, and developing a formal Carbon Reduction Plan.

Goal 2 – Responsible Consumption

Ensure responsible consumption in all aspects of our operations, focusing on reducing waste and maximising resource efficiency, both internally and externally.

Goal 3 – Sustainable Cities and Communities

Contribute to creating greener, more sustainable work environments through hybrid work models, green commuting and business travel, and reduced emissions.

Goal 4 – Renewable Energy

Work with suppliers and our landlord to promote the shift towards self-produced renewable energy in our operations, and adopt technologies with reduced reliance on natural gas.

Mapping Fera's organisational Carbon Footprint is our key method for documenting, summarising and bringing together all of our operationally focused climate programme activity.

3. Organisational boundary and approach

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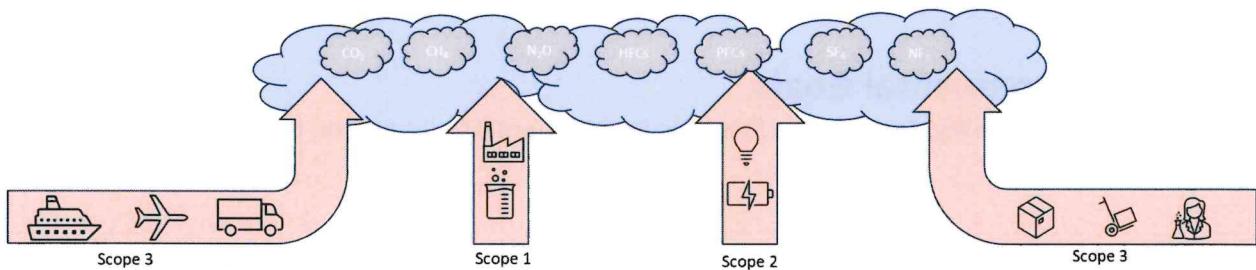
Fera Science Limited is the organisational boundary defining the scope of Fera's Greenhouse Gas footprint. Fera uses an **operational control** approach such that we account for all emissions from operations over which we have control. Fera has authority to implement operation policies across this scope.

4. Operational boundary and relevant emissions

Fera carried out an assessment of material issues impacting the business from an ESG perspective. This assessment prioritised the views of our most significant client (accounting for around half of Fera's annual revenue) – to identify the issues that matter most to them.

Fera's operational boundary for emissions takes account of Scope 1, 2 and 3 emissions within our value chain as depicted in Diagram 1 and Table 1 below.

Diagram 1: Fera's operational boundary – Scope



Scope 3: Upstream activities	Scope 1: Direct emissions	Scope 2: Indirect emissions	Scope 3: Downstream activities
Laboratory & office consumables (e.g. chemicals, pipette tips, PPE)	Fuel from company owned vehicles	Emissions from purchased Electricity (e.g. lighting)	Emissions from leased buildings (e.g. Gas for HVAC)
Laboratory & office equipment (balances, domestic fridges / freezers, IT)	Gaseous emissions from facilities (CE rooms)		Downstream transportation & distribution (proficiency tests)
Assets (analytical instruments, new controlled environment rooms)			End of life treatment of sold products (e.g. proficiency tests)
Employee commuting			Water treatment
Water supply			Waste treatment (General, Hazardous)
Business travel (Car, rail, air)			

Table 1: Fera's operational boundary – Scope 3 Category relevance



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Scope 3: Category	Relevance to Fera	Explanation / Examples
1. Purchased goods and services	Relevant	Fera uses a range of consumables, equipment and consultancy services. This also includes packaging materials and water supply.
2. Capital goods	Relevant	Fera purchases a range of Controlled environment (CE) facilities, scientific instruments etc
3. Fuel & energy related emissions not included in Scope 1 and 2	Relevant	Fera hires vehicles, public transport and private vehicles for the purposes of carrying out field work and attending conferences and meetings with clients. Scope 3 Category 3 covers production and distribution to the point of use.
4. Upstream transportation & distribution	Relevant	Fera receives the majority of purchased goods and services via transportation services provided by the relevant supplier. Due to current data limitations this information is currently estimated under Scope 3 Category 1 – Purchased good and services.
5. Waste generated in operations	Relevant	Fera generates, among other sources, General, Recycling and hazardous waste. This also includes waste water treatment.
6. Business travel	Relevant	Fera hires vehicles, public transport and private vehicles for the purposes of carrying out field work and attending conferences and meetings with clients. Scope 3 Category 6 covers emissions from use.
7. Employee commuting	Relevant	Fera sits within a shared campus on outside of York. The majority of staff use private cars or public transport to access the site.
		A proportion of staff work from home on hybrid contracts and so generate emissions in the heating and use of their properties.
8. Upstream leased assets	Relevant	Fera leases parts of buildings on a shared site. Fera does not have operational control over the heating, ventilation, and air conditioning of the buildings leased as so emissions from Gas from these systems falls under Scope 3 – Category 8
9. Downstream transportation and distribution	Relevant	Fera distributes proficiency tests worldwide
10. Processing of sold products	Not relevant	Fera's products and services are not passed on for further processing
11. Use of sold products	Not relevant	Fera's typical products are reports (usually in electronic format) and proficiency tests - neither inherently require emissions to fulfil their purpose. Fera's services focus on expert scientific consultancy which does not inherently require emissions to fulfil its purpose
12. End of life treatment of sold products	Relevant	Fera's products and services (reports, expert guidance) do not require end of life treatment Proficiency tests may require end of life waste disposal if not used to destruction during use.

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		Packaging used to distribute proficiency testing will require end of life treatment.
13. Downstream leased assets	No relevant	Fera does not lease assets to others
14. Franchises	Not relevant	Fera does not have franchises
15. Investments	Relevant	Fera invests in Phd studentships

5. Data collection approach

The following data sources and limitations are noted for each source of emissions. Fera estimates emissions based on each calendar year as this aligns to the financial year for Fera.

Baseline data was estimated using estimate energy consumption, and milage where available for travel. All other data sources were estimated based on expenditure data and associated UK Government emissions factors for the relevant industry. Fera's baseline Carbon Footprint was externally validated in September 2023.

Fera has a detailed data improvement plan to ensure that data accuracy improves over time.

6. Outputs and outcomes

In 2024 Fera completed its first Carbon footprint baseline exercise based on 2023 data. The footprint was externally validated in September 2023.

In accordance with Procurement Policy Note 06/21 ([PPN 06/21](#)) Fera will publish annually a Carbon Reduction Plans (CRP) in the required format for contracts in scope of the PPN.

7. Baseline Carbon Footprint and reduction plan

Fera's baseline Carbon footprint for 2023, measured in tCO2e was:

	2023
Scope 1	2
Scope 2	2503
Scope 3	11443
Total	13948

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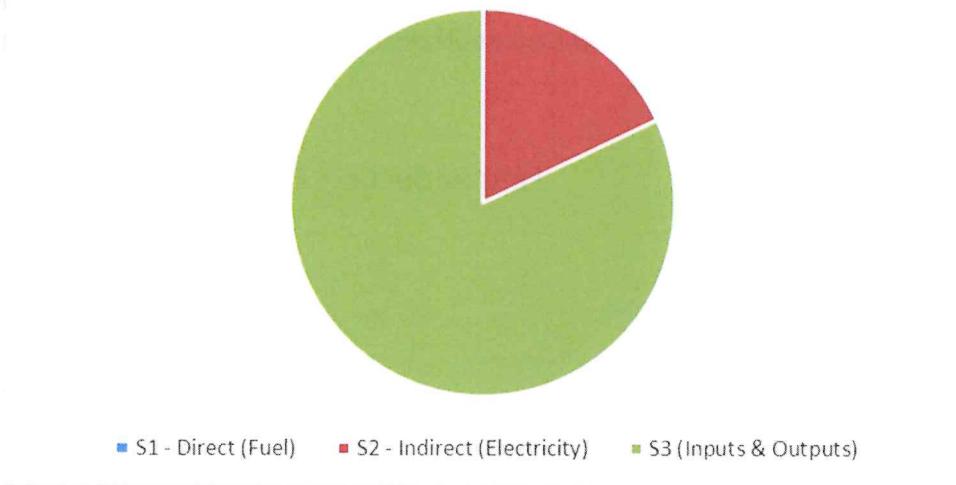
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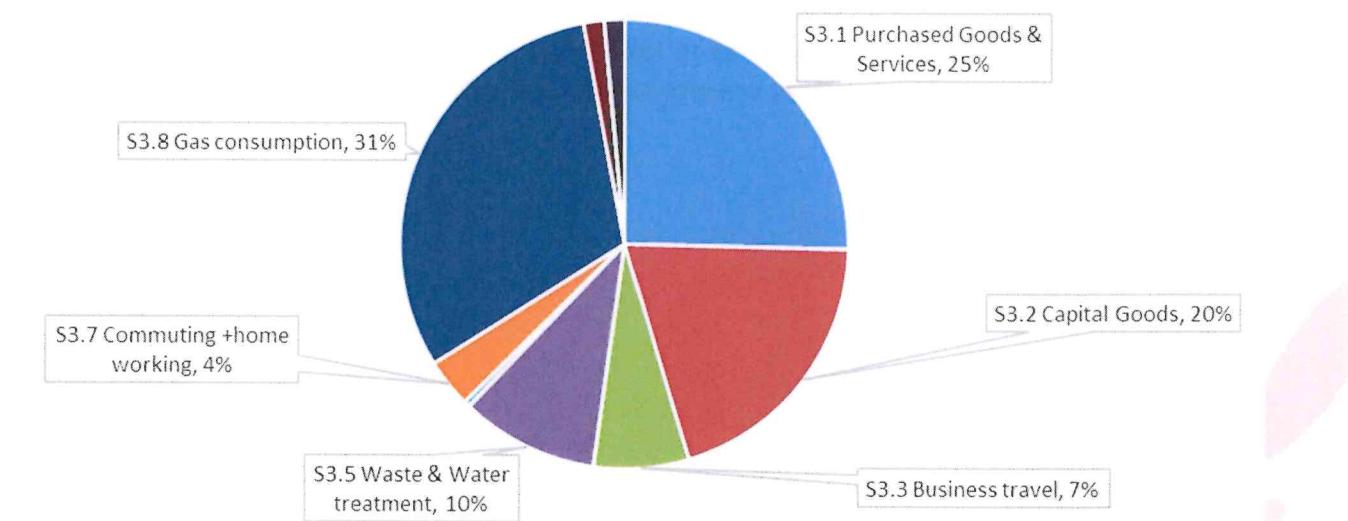
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2023 - Split between Scopes



Scope 3 Split 2023



In October 2024, Fera Science Limited has committed to achieving a 42% reduction across Scope 1 and 2 emissions by 2030 in line with Science Based Targets initiative (SBTi) approved global climate ambitions to limit warming to 1.50C. Fera has committed to achieving Net Zero emissions by 2050.

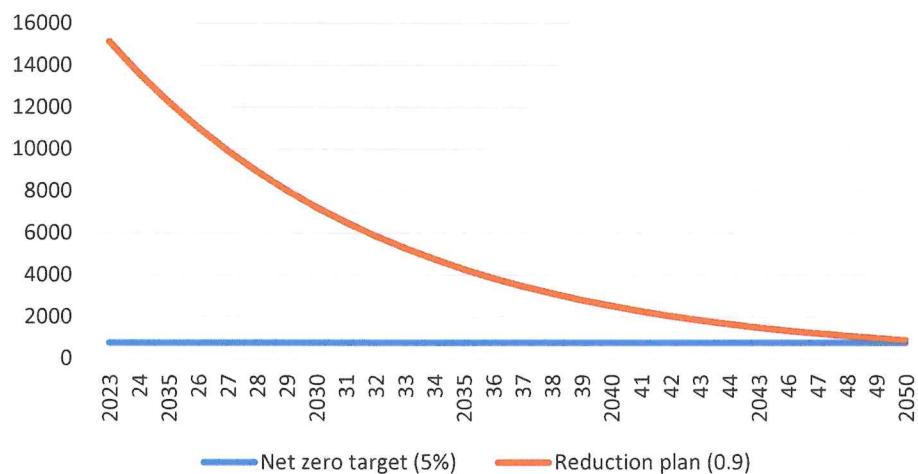


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These targets are aligned to and consistent with the [Net Zero Government Initiative](#): UK roadmap to Net Zero Government Emissions agreed in November 2022 ahead of COP27. This road map lays out how the participants would bring their emissions to net zero by 2050.

Fera's net zero milestones will enable us to reach operational net-zero by 2050; Decarbonization will be prioritised and all residual emissions will be neutralised with Fera committing to neutralising no more than 5% of our baseline emissions.

Fera Reduction Plan



We have set out an ambitious roadmap to take Fera to net zero by 2050. The road map is underpinned by a set of actions and targets that are monitored quarterly as part of our Management Reviews and reported annually to our Board.

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Fera Reduction plan – Road map to achievement



Milestone 1: 2030

Recommendation: Fera commits to reduce Scope 1&2 emissions 42% by 2030 from a 2023 base year

Recommendation: Fera commits to reduce Scope 3 emissions 52% by 2030 from a 2023 base year

Milestone 2: 2040

Fera commits to reduce Scope 1 and Scope 2 emissions by 75% by 2040 from a 2023 base year

Fera commits to reduce Scope 3 emissions by 75% by 2040 from a 2023 base year

Milestone 3: 2050

Fera commits to have decarbonised Scope 1 and Scope 2 as far as is possible and to neutralise remaining emissions (max 5% of baseline)

Fera commits to decarbonise Scope 3 emissions and to neutralise remaining emissions (max 5%)

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This Carbon Policy was approved by Fera's Joint Venture Board on 15 October 2024. The Policy is held in Fera's document management system and is reviewed in keeping with the periodic reviews of our Science Strategy and 5-Year Strategic Growth Plan. Progress against this plan is reviewed as documented in our umbrella ESG Policy

Chair of Fera Board:

Signature:

Date:

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