



# OFP Reporting in (i)XBRL

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# Open Footprint Web Page

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## Frequently Asked Questions: About The Open Group Open Footprint® Forum

### Q. What is the Open Footprint Forum?

A. The Open Footprint (OFP) Forum is an open standards development forum working to ease data management challenges associated with emissions data. The forum expects to release initial versions of a standard data model, reference APIs, and a reference implementation in Q4, 2023.

### Q. What business problems is the Forum addressing through its standards work?

A. Large enterprises from various industries are realizing that regulatory requirements specifying emissions reporting are increasing across the globe. In addition, with many organizations making net zero commitments, they are realizing that to effectively reduce their emissions, they first need to understand their current GHG footprint. To do this, they need comprehensive data management capabilities for emissions data, including from business partners, as the current lack of data standards for emissions data brings many inefficiencies. In response to this, the Forum is working on standards and other deliverables that will address these issues.



```
<!DOCTYPE html>
<html lang="en" dir="ltr" prefix="og: https://ogp.me/ns#">
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    <meta charset="utf-8" />
    <script async src="https://www.googletagmanager.com/gtag/js?id=G-LTTWTF7XY"></script>
    <script>window.dataLayer = window.dataLayer || [];function gtag(){dataLayer.push(arguments)};gtag("js", new Date());gtag("set", "devi
    <meta name="description" content="Q. What is the Open Footprint Forum? A. The Open Footprint (OFF) Forum is an open standards devel
    <link rel="canonical" href="https://www.opengroup.org/openfootprint-forum/faq" />
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    <meta property="og:type" content="website" />
    <meta property="og:url" content="https://www.opengroup.org/openfootprint-forum/faq" />
    <meta property="og:title" content="Frequently Asked Questions: About The Open Group Open Footprint® Forum" />
    <meta property="og:description" content="Q. What is the Open Footprint Forum? A. The Open Footprint (OFF) Forum is an open standard:
    <meta property="og:image:url" content="https://www.opengroup.org/sites/default/files/the-open-group-logo_og.png" />
    <meta property="og:image:alt" content="The Open Group" />
    <meta name="MobileOptimized" content="width" />
    <meta name="HandheldFriendly" content="true" />
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    <meta http-equiv="x-ua-compatible" content="ie=edge" />
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    <title>Frequently Asked Questions: About The Open Group Open Footprint® Forum | www.opengroup.org</title>
    <link rel="stylesheet" media="all" href="/sites/default/files/css/css_Zo7ApFZK0Kw9U23hKg2ajSnS-qHB2V9NzPq3QZ-7-nk.css?delta=0&am
    <link rel="stylesheet" media="all" href="/sites/default/files/css/css_rXak-bXw_uXls7GD7oCp8UKmUZLkwJ-CRNfDmyh9yso.css?delta=1&amplai
    <link rel="stylesheet" media="all" href="//cdn.jsdelivr.net/npm/bootstrap@5.0.0-beta1/dist/css/bootstrap.min.css" />
    <link rel="stylesheet" media="all" href="/sites/default/files/css/css_bUCFEp4rK17l90sQ_cwZS06eH1M09_ZidES-EDabPvU.css?delta=3&amplai
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    <script src="https://use.fontawesome.com/releases/v6.1.0/js/v4-shims.js" defer crossorigin="anonymous"></script>

  </head>
  <body class="layout-no-sidebars page-node-1500903 path-node node--type-page">
    <a href="#main-content" class="visually-hidden-focusable">
      Skip to main content
    </a>
```



# What is XML ?

timeanddate.com

timeanddate  
Local time in London  
Wednesday, April 17, 2024  
**8:30:10 am**  
BST

```
<script type="text/javascript"> == $0
et=1713510829;
function f0(d){return TAD.ld[d.getUTCDate()+', '+TAD.lm[d.getUTCMonth()+'] '+d.getUTCDate()+', '+d.getUTCFullYear()+'] at '+
((d.getUTCHours()+11)%12+1)+':'+p2(d.getUTCMinutes()+')'+p2(d.getUTCSeconds()+') '+_ap(d);}
function f1(d){return TAD.ld[d.getUTCDate()+', '+TAD.lm[d.getUTCMonth()+'] '+d.getUTCDate()+', '+d.getUTCFullYear()+'] at '+p2(d.getUTCHours()+')'+':'+p2(d.getUTCMinutes()+')'+':'+p2(d.getUTCSeconds()+')});
function f2(d){return TAD.ld[d.getUTCDate()+', '+TAD.lm[d.getUTCMonth()+'] '+d.getUTCDate()+', '+d.getUTCFullYear()+'];}
function f3(d){return
((d.getUTCHours()+11)%12+1)+':'+p2(d.getUTCMinutes()+')'+p2(d.getUTCSeconds()+') '+_ap(d);}
&ks={"ctu":{"t":{"t":0,"o":0,"a":"UTC"},"f":f1},"i_date":{"t":{"o":3600,"a":"<a href='\"/time/zones/bst\"' title='\"British Summer Time\">BST</a>\",\"d\":1}},{\"f\":f2},\"i_time\":{\"t\":{\"o\":3600,\"a\":\"<a href='\"/time/zones/bst\"' title='\"British Summer Time\">BST</a>\",\"d\":1}},{\"f\":f3},\"ctl\":{\"t\":{\"o\":3600,\"a\":\"<a href='\"/time/zones/bst\"' title='\"British Summer Time\">BST</a>\",\"d\":17},\"ctl\":{\"t\":{\"o\":3600,\"a\":\"<a href='\"/time/zones/bst\"' title='\"British Summer Time\">BST</a>\",\"d\":1}},{\"f\":f0,\"d\":17},\"ctl\":{\"t\":{\"o\":3600,\"a\":\"<a href='\"/time/zones/bst\"' title='\"British Summer Time\">BST</a>\",\"d\":1}},{\"f\":f0}}};
TAD=window.TAD||{};TAD.lm=[];TAD.lm[3]='April';TAD.ld=
[];TAD.ld[3]='Wednesday';TAD.ld[4]='Thursday';TAD.ld[5]='Friday';
function _ap(d){var t=Math.floor(d.getTime()/1E3+8640000000)%86400;if(t===0){return 'midnight'};if(t==43200){return 'noon'};if(t<43200){return 'am'};return 'pm'};
idpref={i_date:1.2,i_time:5};
</script>
```



Volve - Demo.xml

```
42     <unit>G/C3</unit>
43     <minIndex uom="M">4800</minIndex>
44     <maxIndex uom="M">5149.8</maxIndex>
45     <typeLogData>double</typeLogData>
46 </logCurveInfo>
47 <logCurveInfo uid="DRHO">
48     <mnemonic>DRHO</mnemonic>
49     <unit>G/C3</unit>
50     <minIndex uom="M">4800</minIndex>
51     <maxIndex uom="M">5149.8</maxIndex>
52     <typeLogData>double</typeLogData>
53 </logCurveInfo>
54 <logCurveInfo uid="NPHI">
55     <mnemonic>NPHI</mnemonic>
56     <unit>V/V</unit>
57     <minIndex uom="M">4800</minIndex>
58     <maxIndex uom="M">5149.8</maxIndex>
59     <typeLogData>double</typeLogData>
60 </logCurveInfo>
61 <logData>
62     <mnemonicList>DEPT,GR,DT,RHOB,DRHO,NPHI</mnemonicList>
63     <unitList>M,GAPI,US/F,G/C3,G/C3,V/V</unitList>
64     <data>4800,45.972,50.57,2.7237,0.040801,-0.003243</data>
65     <data>4800.1,52.731,50.422,2.7218,0.037266,-0.00386</data>
66     <data>4800.2,57.195,50.148,2.7186,0.030192,-0.004201</data>
67     <data>4800.3,57.668,49.864,2.7136,0.020077,-0.004228</data>
68     <data>4800.4,52.706,49.745,2.7074,0.009577,-0.004044</data>
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```

# Subsurface Data





# What is XBRL, and iXBRL ?

eXtensible Business Reporting Language is an XML-based markup language that is used in many jurisdictions worldwide for the standardized reporting of business information, especially that relating to a company's financial performance.

iXBRL, or Inline eXtensible Business Reporting Language, is an open standard that enables a single document to provide both human-readable and structured, machine-readable data. iXBRL can be viewed on standard internet browsers, and embeds “tags” that give meaning to the figures and statements in a format that can be understood by a computer. It does not change what is being reported, simply how it is reported.

For data users, Inline XBRL provides an easier way to view, access, and explore the contextual information of the underlying data. For example, users can click on individual tagged data points in the filing to find more information about the data, such as citations and hyperlinks to the relevant accounting guidance, narrative definitions for the values, and reporting period information associated with each value.



# Where is XBRL already used ?

XBRL enables seamless exchange of information across different systems and platforms by over 100 regulators across 60 countries worldwide. Sustainability reporting has been recommended by the following agencies

- Securities & Exchange Commission (SEC), US - In its recent ruling, the SEC has requested tagging of climate data from FY 2026 and FY 2027 for Non Accelerated Filers, Smaller Reporting Companies & Emerging Growth Companies.
- Corporate Sustainability Reporting Directive (CSRD), EU – The European Sustainability Reporting Standards XBRL Taxonomy is expected to be used for reporting from 2025.
- Streamlined Energy & Carbon Report (SECR), UK - Companies need to file their SECR report using the UK taxonomy .
- Business Responsibility & Sustainability Reporting (BRSR), India – The Securities and Exchange Board of India mandates reporting in XBRL for the top 1,000 listed companies.
- Shanghai, Shenzhen & Beijing Stock Exchanges, China – Proposed reporting of information from 2026 across ESG.
- Australia Securities and Exchange Commission (ASIC) - Permits the use of XBRL reporting although not mandated.
- Links -  
<https://www.efrag.org/Assets/Download?assetUrl=%2Fsites%2Fwebpublishing%2FMeeting%20Documents%2F2311031439057869%2F03-01-%20Cover%20Note%20-%20SRB%20-%2010.01.2024%20-%20Draft%20ESRS%20XBRL%20Taxonomy.pdf>





# Completed Return



## Company Tax Return

CT600 (2022) Version 3

for accounting periods starting on or after 1 April 2015

### Your Company Tax Return

If we send the company a 'Notice' to deliver a Company Tax Return it has to comply by the filing date or we charge a penalty, even if there is no tax to pay.

A return includes a Company Tax Return form, any supplementary pages, accounts, computations and any relevant information. The CT600 Guide tells you how the return must be formatted and delivered. It contains general information you may need to deliver your return, links to more detailed advice and box-by-box guidance for this form and the supplementary pages.

The forms in the CT600 series set out the information we need and provide a standard format for calculations.

### Company information

|   |                             |   |
|---|-----------------------------|---|
| 1 | Company name                | <input type="text"/>                    |
| 2 | Company registration number | <input type="text" value="02912936"/>   |
| 3 | Tax reference               | <input type="text" value="1476883070"/> |
| 4 | Type of company             | <input type="text" value="0"/>          |

# Source Data for Financial Reporting in the UK (2010->)



## Source XLS File

|                                   |           |
|-----------------------------------|-----------|
| Sales                             | 2,272,984 |
| Cost of sales                     | 661,807   |
| Gross profit                      | 1,611,177 |
| Expenses                          | 1,274,404 |
| Depreciation                      | 7,525     |
| Profit before Interest and Tax    | 329,248   |
| <b>Dissallowed expenses</b>       |           |
| Add back depreciation:            | 7,525     |
| Add loss on disposal of an asset: | 0         |
|                                   |           |
| Deduct capital allowances:        | -6,370    |
|                                   |           |
| Profit for CT                     | 330,403   |
|                                   |           |
| Tax Rate:                         | 19%       |
|                                   |           |
| Corporation Tax Due               | 62,776.52 |

## HTML Conversion to be 'Tagged' into iXBRL

|  |                |
|--|----------------|
| <b>Corporation tax computation</b>               |                |
| Tax reference                                    | 1476883070     |
| Period beginning                                 | 1/10/21        |
| Period ending                                    | 30/09/22       |
| Accounts period beginning                        | 1/10/21        |
| Accounts period ending                           | 30/09/22       |
| <b>Adjustment of trading profits</b>             |                |
| £  |                |
| Profit before tax per the accounts               | 329,248        |
| Add back disallowable expenses                   |                |
| Depreciation and (profit)/loss on sale of assets | 7,525          |
| Capital allowances                               | (6,370)        |
| Adjusted trading profit                          | <u>330,403</u> |
| <b>Taxable profits</b>                           |                |
| £  |                |
| Trading profit                                   | <u>330,403</u> |
|  | 330,403        |
| Taxable profit                                   | <u>330,403</u> |

# Net Zero Matrix Carbon Register

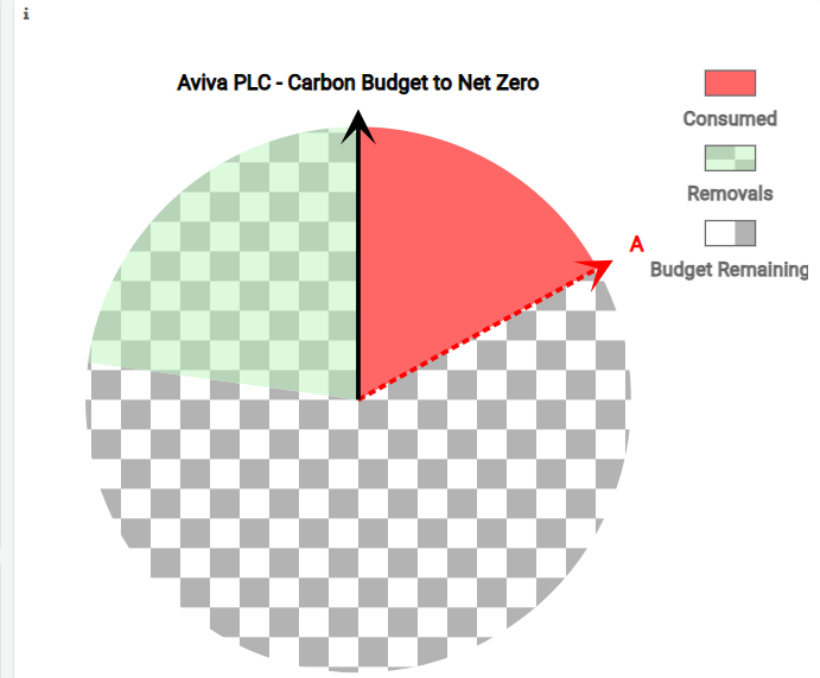


General / Carbon Register

Country: All | ISIC Section: All | Company: Aviva PLC | CFP Scope: Scope 1+2 | Target Organization: NZM

| Company Information       |                                      |
|---------------------------|--------------------------------------|
| Company                   | Aviva PLC                            |
| Sector                    | Banks, Diverse Financials, Insurance |
| ISIC Sector               | K                                    |
| Country                   | United Kingdom                       |
| Website                   | https://www.aviva.com/               |
| Target Start Year:        | 2016                                 |
| Initial Carbon Footprint: | 60,218                               |
| Target:                   | 100 % Reduction by the Year 2050     |
| Source of Data:           | contact@netzeromatrix.com            |

| Key Performance Indicators |                  |
|----------------------------|------------------|
| Total Budget:              | 1,365,319        |
| Budget Remaining:          | 1,132,939 (83 %) |
| CFP Account:               | 414,624          |
| Certificate:               |                  |



**A: Last Reported Date: 2021, Net Zero Budget Consumed to Last Date: 17.0%**

# Aviva Source Data and iXBRL



Admin / CFP Plan vs Actual, KPI and GECKO Tokens\_2023

Country: All | ISIC Section: All | Company: Aviva PLC | CFP Scope: Scope 1+2 | Target Organization: NZM

2014-12-31 16:00:00 to 2049-12-31 16:00:00

CFP Data Entry | Edit Company Data | GECKO Issuance Requests (NEM Chain)

Aviva PLC

NET ZERO MATRIX  
CFP ACCOUNT 414,624  
AVIVA PLC  
YEAR 2016 - 2021  
SCOPE 1+2

Company Information

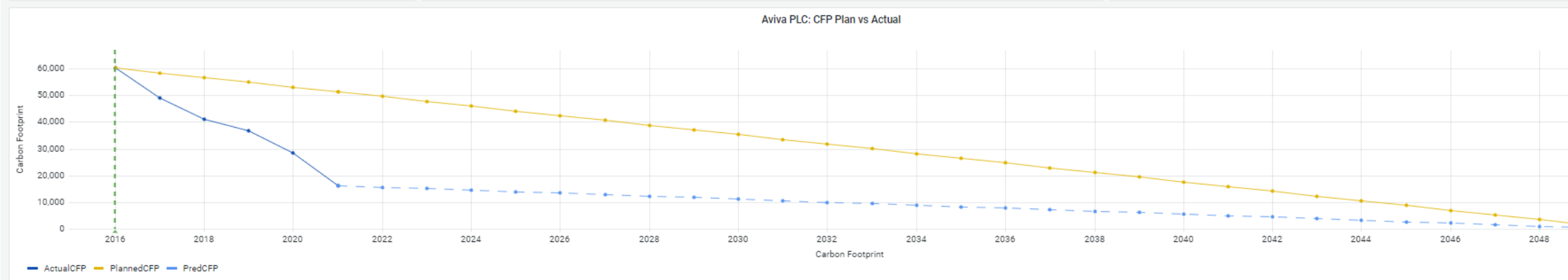
Company Name: Aviva PLC  
Sector: Banks, Diverse Financials, Insurance  
ISIC Description: Central Banking  
ISIC Class: 6411  
Country: United Kingdom  
ISIN: GB0002162385  
Website: https://www.aviva.com/

Source of Information

- 1. Sustainability Report 2021, Page 42, (CFP 2019 - 2021)
- 2. Annual Report 2018, Page 38, (CFP 2016 - 2018)

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- 1. iXBRL Sustainability Report 2021



Carbon Budgets





# Aviva Source iXBRL (created by them)

Inline Viewer YF0Y5B0IB8SM0ZFG9G81-2021-12-31-T01

Highlight ?  XBRL Elements

- 1. Strategic Report
- 2. Governance
- 3. IFRS Financial Statements
- 4. Other Information

## Our sustainability ambition continued

### Streamlined Energy and Carbon Reporting (SECR) data

|   | 2021 <sup>1</sup> |               |               | 2020                              |          |                                |
|---|-------------------|---------------|---------------|-----------------------------------|----------|--------------------------------|
|   | Offshore          | UK            | Total         | Restated <sup>2</sup><br>Offshore | UK       | Restated <sup>2</sup><br>Total |
| <b>Emissions<sup>2</sup></b>  |                   |               |               |                                   |          |                                |
| Scope 1 (tCO <sub>2</sub> e)  | 1,760             | 8,870         | 10,630        | 3,352                             | 8,386    | 11,738                         |
| Scope 2 (tCO <sub>2</sub> e)  | 5,640             | —             | 5,640         | 8,610                             | 8,269    | 16,879                         |
| Scope 3 (tCO <sub>2</sub> e)  | 2,944             | 1,072         | 4,016         | 3,078                             | 1,910    | 4,988                          |
| <b>Total emissions (tCO<sub>2</sub>e)</b>                                     | <b>10,344</b>     | <b>9,942</b>  | <b>20,286</b> | 15,040                            | 18,565   | 33,605                         |
| Carbon offsets <sup>3</sup> (tCO <sub>2</sub> e)                              | (10,344)          | (9,942)       | (20,286)      | (15,040)                          | (18,565) | (33,605)                       |
| <b>Total net emissions</b>  | —                 | —             | —             | —                                 | —        | —                              |
| <b>Location-based</b>   |                   |               |               |                                   |          |                                |
| Scope 1 location-based (tCO <sub>2</sub> e)                                   | 1,760             | 8,870         | 10,630        | 3,352                             | 8,386    | 11,738                         |
| Scope 2 location-based (tCO <sub>2</sub> e)                                   | 7,155             | 5,912         | 13,067        | 8,610                             | 8,269    | 16,879                         |
| <b>Total Scope 1 and 2 location-based (tCO<sub>2</sub>e)</b>                  | <b>8,915</b>      | <b>14,782</b> | <b>23,697</b> | 11,962                            | 16,655   | 28,617                         |
| Scope 3 (tCO <sub>2</sub> e)  | 2,944             | 1,072         | 4,016         | 3,078                             | 1,910    | 4,988                          |
| <b>Total location-based (tCO<sub>2</sub>e)</b>                                | <b>11,859</b>     | <b>15,854</b> | <b>27,713</b> | 15,040                            | 18,565   | 33,605                         |
| <b>Market based</b>   |                   |               |               |                                   |          |                                |
| Scope 2 market-based (tCO <sub>2</sub> e)                                     | 5,640             | —             | 5,640         | 6,901                             | —        | 6,901                          |
| <b>Energy consumption</b>   |                   |               |               |                                   |          |                                |
| Energy consumption (MWh) <sup>4</sup>   | 28,292            | 65,547        | 93,839        | 43,352                            | 73,811   | 117,163                        |
| <b>Intensity ratios</b>   |                   |               |               |                                   |          |                                |
| Scope 1 and 2 - location-based emissions (tCO <sub>2</sub> e) / £ million GWP | 0.62              | 0.97          | 0.80          | 0.83                              | 1.14     | 0.98                           |
| Total location-based emissions (tCO <sub>2</sub> e) / £ million GWP           | 0.83              | 1.04          | 0.94          | 1.04                              | 1.27     | 1.16                           |
| Total location-based emissions (tCO <sub>2</sub> e) / employee                | 0.73              | 1.02          | 0.87          | 0.88                              | 1.18     | 1.02                           |

Fact Properties

Concept: (direp) Emissions, direct, total

Dimensions: Reporting Region [Dimension] UK and Offshore

Properties: Date 1 Jan 2021 to 31 Dec 2021

Fact Value: 10,630 tCO<sub>2</sub>e

Accuracy: ones

Scale: Unscaled

Change: 9.4% decrease on 1 Jan 2020 to 31 Dec 2020

Entity: [LEI] YF0Y5B0IB8SM0ZFG9G81

Concept: direp:EmissionsDirectTotal

Wider anchor: None

Narrower anchors: None

References

Calculations

Company Information

**SLB**

**NET ZERO MATRIX**

**CFP ACCOUNT 1,029,375**

**SLB**

**YEAR 2019 - 2022**

**SCOPE 1+2**



**Company Information**

**Company Name** SLB

**Sector** Oil and Gas

**ISIC Description** Support Activities For Petroleum And Nat(...)

**ISIC Class** 910

**Country** United States of America

**ISIN** AN8068571086

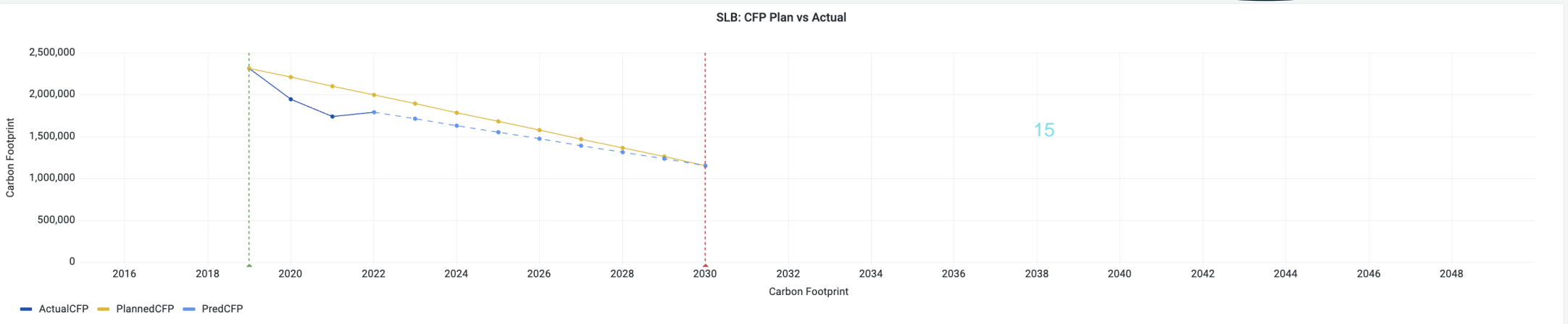
**Website** <https://www.slb.com/>

**Source of Information**

- 2022 Sustainability Report, Page 54, (CFP 2019 - 2022)
- 2021 Sustainability Report, Page 43
- 2020 Sustainability Report, Page 71, (CFP 2018)
- 2019 Global Stewardship Report, Page 58, (CFP 2017)
- Report 2018, Page 82, (CFP 2016)
- Report 2017, Page 86, (CFP 2015)

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- SLB XBRL Report Online Viewer - FRC - Streamlined Energy And Carbon Report 2022 (SECR)
- SECR Regulation - UK
- SECR XBRL Taxonomy Set - UK



# slb Source iXBRL (created by us from the source PDF file)



Inline Viewer

Highlight  XBRL Elements

SLB 2022 Sustainability Report

Overview Sustainability Framework: Climate Action People Nature Governance

Data: SASB UN SDGs Performance

Contents Search Print Back/Forward

## 2022 Performance Data

We commissioned an external third party to perform attest procedures with respect to certain greenhouse gas emissions, health and safety, and site activity metrics for the year ended December 31, 2022 and certain water and waste metrics for the period from October 1, 2021 to September 30, 2022.

[Full details and data methodology are available here.](#)

### 2022 assured data includes:

- Environmental**
  - Spills
  - Water
  - Waste
- Emissions**
  - Scope 1 and 2 from SLB facilities
  - Scope 1 and 2 from energy consumed by SLB equipment during service delivery in the field
  - Scope 3 use of sold products
  - Scope 3 purchased goods and services
- Health and Safety**
  - Employee and contractor LTIFR
  - LTIR (frequency) (OIFR)
  - Fatalities

| Metric   | Units   | 2019         | 2020         | 2021         | 2022         |
|--|---|--------------|--------------|--------------|--------------|
| <b>Revenue</b>   |   |              |              |              |              |
| Revenue  | millions of US dollars  | 32,917       | 23,601       | 22,929       | 28,091       |
| <b>Climate Action</b>  |   |              |              |              |              |
| <b>Emissions</b>   |   |              |              |              |              |
| <b>CO<sub>2</sub>e Emitted<sup>1</sup></b>                                     |   |              |              |              |              |
| Scope 1  | thousands of metric tons  | 1,668        | 1,424        | 1,369        | 1,483        |
| Scope 2 - Market Based   | thousands of metric tons  | 650          | 527          | 375          | 312          |
| Scope 1 and 2  | thousands of metric tons  | 2,318        | 1,951        | 1,744        | 1,795        |
| Scope 3  | thousands of metric tons  | 44,384       | 30,137       | 27,375       | 34,849       |
| Total Emissions (Scopes 1, 2 and 3)  | thousands of metric tons  | 46,703       | 32,088       | 29,118       | 36,644       |
| <b>Scope 3 Categories:</b>   |   |              |              |              |              |
| Category 1: Purchased goods and services                                       | thousands of metric tons of CO <sub>2</sub> e                       | 6,280        | 4,582        | 4,622        | 6,747        |
| Category 2: Capital goods  | thousands of metric tons of CO <sub>2</sub> e                       | 105          | 68           | 61           | 94           |
| Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2) | thousands of metric tons of CO <sub>2</sub> e                       | 66           | 40           | 49           | 90           |
| Category 4: Upstream transportation and distribution                           | thousands of metric tons of CO <sub>2</sub> e                       | 603          | 351          | 499          | 928          |
| Category 5: Waste generated in operations                                      | thousands of metric tons of CO <sub>2</sub> e                       | 129          | 120          | 50           | 65           |
| Category 6: Business travel  | thousands of metric tons of CO <sub>2</sub> e                       | 165          | 54           | 68           | 123          |
| Category 7: Employee commuting   | thousands of metric tons of CO <sub>2</sub> e                       | 100          | 50           | 50           | 58           |
| Category 8: Upstream leased assets   | thousands of metric tons of CO <sub>2</sub> e                       | 1,056        | 841          | 525          | 743          |
| Category 9: Downstream transportation and distribution                         | thousands of metric tons of CO <sub>2</sub> e                       | 2            | 1            | 1            | 1            |
| Category 10: Processing of sold products                                       | thousands of metric tons of CO <sub>2</sub> e                       | Not relevant | Not relevant | Not relevant | Not relevant |
| Category 11: Use of sold products  | thousands of metric tons of CO <sub>2</sub> e                       | 28,385       | 17,457       | 16,632       | 19,825       |
| Category 12: End-of-life treatment of sold products                            | thousands of metric tons of CO <sub>2</sub> e                       | 640          | 333          | 191          | 122          |
| Category 13: Downstream leased assets  | thousands of metric tons of CO <sub>2</sub> e                       | 3,435        | 2,937        | 3,005        | 3,505        |
| Category 14: Franchises  | thousands of metric tons of CO <sub>2</sub> e                       | Not relevant | Not relevant | Not relevant | Not relevant |
| Category 15: Investments   | thousands of metric tons of CO <sub>2</sub> e                       | 3,419        | 3,304        | 1,622        | 2,549        |
| <b>Emissions Intensity</b>   |   |              |              |              |              |
| GHG Emissions Intensity – Scopes 1 and 2                                       | metric tons of CO <sub>2</sub> e per thousand US dollars of revenue | 0.070        | 0.083        | 0.076        | 0.064        |
| GHG Emissions Intensity – Scope 3  | metric tons of CO <sub>2</sub> e per thousand US dollars of revenue | 1.348        | 1.277        | 1.194        | 1.241        |
| Total GHG Emissions Intensity – Scopes 1, 2 and 3                              | metric tons of CO <sub>2</sub> e per thousand US dollars of revenue | 1.419        | 1.360        | 1.270        | 1.304        |

Fact Properties

Concept

- (direp) Emissions, direct, total

Properties

- Date: 31 Dec 2022
- Fact Value: 1483
- Accuracy: n/a
- Scale: n/a
- Change: n/a
- Entity: [LEI] 0000087347
- Concept: direp:EmissionsDirectTotal

Wider anchor

- None

Narrower anchors

- None

References

Calculations

Footnotes

Sections

[000015] Directors'/Strategic Report (Streamlined Energy and Carbon Reporting)





# SECR Regulations UK

The Streamlined Energy and Carbon Reporting Regulation (SECR) makes it mandatory for large businesses in the UK to annually report on their energy and carbon emissions as well as any efficiency measures.

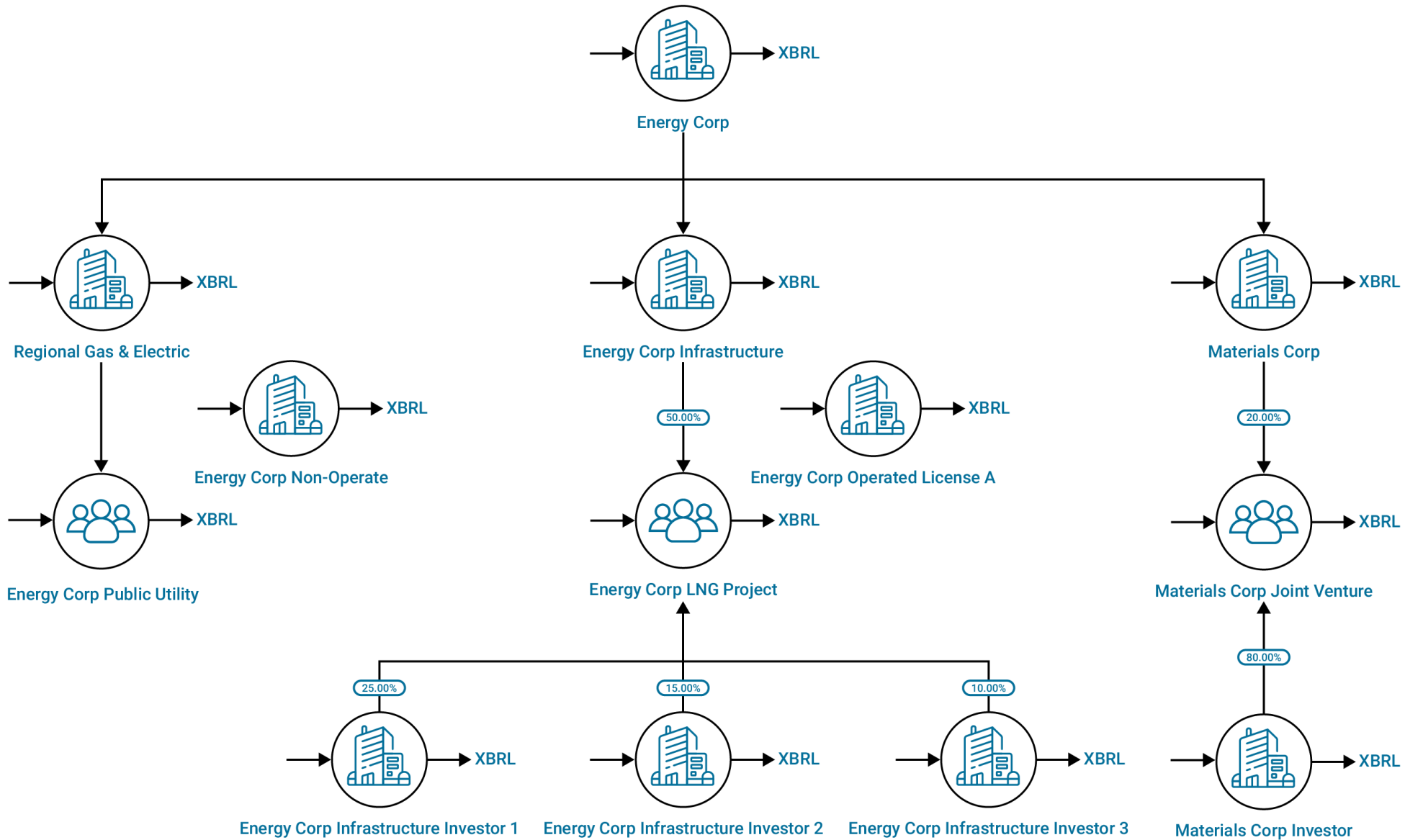
The Companies (Directors' Report) and Limited Liability Partnerships (Energy and Carbon Report) Regulations 2018

UK Statutory Instruments > 2018 No. 1155 > Whole Instrument

The screenshot shows the 'Content' tab selected in a navigation bar. Below the navigation bar are 'Previous' and 'Next' buttons, and 'Plain View' and 'Print Options' buttons. On the left, there is a 'What Version' section with two options: 'Latest available (Revised)' and 'Original (As made)', with the latter selected. Below this are 'Opening Options' and 'More Resources' sections. The main content area displays the title 'STATUTORY INSTRUMENTS' followed by '2018 No. 1155', 'COMPANIES', and 'LIMITED LIABILITY PARTNERSHIPS'.

The Companies (Directors' Report) and Limited Liability Partnerships (Energy and Carbon Report) Regulations 2018

# OFP Demo Data Management





# Streamlined Energy & Carbon Reporting Taxonomy (SECR UK)

Taxonomy ▾

**Network Browser** ⏪

Network:  Lang:

- 031 - Streamlined Energy and Carbon Reporting
  - Streamlined energy and carbon reporting [heading]
    - Start date for period covered by SECR report
    - End date for period covered by SECR report
    - Description of availability of emissions information and any reasons
    - Description of methodologies used to calculate data
    - Description of assessment of market-based additionality
    - Third party verification [heading]
      - All emissions and carbon offset data should be reported as tonnes o
      - Emissions, net, total
      - Emissions, gross, total
      - Carbon offsets, total
      - All energy consumption data should be reported in kilowatt hours or
      - Energy consumption used to calculate emissions
      - Intensity ratio [grouping]
        - Energy efficiency action report
      - Operational boundaries [grouping]
        - Disclosures, Task Force on Climate-related Financial Disclosures [he

**Details** Relationships Tree Locations

### Streamlined energy and carbon reporting [heading]

**Properties**

| Property           | Value                                   |
|--------------------|---|
| Name               | StreamlinedEnergyCarbonReportingHeading |
| Namespace          | http://xbrl.frc.org.uk/secr/2019-04-01  |
| Data Type          | xbrli:stringItemType                    |
| XBRL Type          | stringItemType                          |
| Substitution Group | xbrli:item                              |
| Period Type        | duration                                |
| Abstract           | true                                    |
| Niltable           | true                                    |

**Labels**

| Type           | Lang | Label   |
|----------------|------|---|
| Standard Label | en   | Streamlined energy and carbon reporting [heading] |

**References**

This concept does not have any references.

**Custom Type Information**

This concept does not have a custom type definition



# OFP Demo Data XBRL Report (SECR Taxonomy)

This is the embedded iXBRL code, the XML tag ix represents an iXBRL tag and direp:EmissionGrossTotal is the namespaced label defined in the Taxonomy: "Emissions, gross, total". In this example iXBRL processing software extracts the value and context information from the iXBRL file and maps it to the corresponding taxonomy set, in a structural way, so its "machine readable". We can see the SECR report structure from the taxonomy browser.

```
▼ <tr>
  ▶ <td>⋮</td>
  <td>609,808</td>
  <td>-</td>
  <!-- <td>609,808</td> -->
  ▼ <td class="figure ixbrl-element ixbrl-element-nonfraction ixbrl-highlight ixbrl-highlight-0">
    <ix:nonfraction contextref="c1" decimals="0" format="ixt:numdotdecimal" id="f18" name="direp:EmissionsOtherIndirectTotal" unitref="u1">609,808</ix:nonfraction>
  </td>
  <td></td>
  <td></td>
  <td></td>
</tr>
▼ <tr>
  ▶ <td>⋮</td>
  <td>1,069,197.31</td>
  <td></td>
  <!-- <td>1,069,197.31</td> -->
  ▼ <td class="figure ixbrl-element ixbrl-element-nonfraction ixbrl-highlight ixbrl-highlight-0 ixbrl-selected">
    <ix:nonfraction contextref="c1" decimals="0" format="ixt:numdotdecimal" id="f23" name="direp:EmissionsGrossTotal" unitref="u1">1,069,197.31</ix:nonfraction> == $0
  </td>
  <td></td>
  <td></td>
  <td></td>
</tr>
```

# OFP Demo Data XBRL Report (SECR Taxonomy)



Taxonomy ▾ CoreFiling About Sign Up Login

**Network Browser** Details Relationships Tree Locations

Network: Presentation Lang: en

- [-] Diversity and Inclusion information [heading]
- [-] Alternative Performance Measures [heading]
- [-] Streamlined energy and carbon reporting [heading]
  - [-] Start date for period covered by SECR report
  - [-] End date for period covered by SECR report
  - [-] Description of availability of emissions information and any rea
  - [-] Description of methodologies used to calculate data
  - [-] Description of assessment of market-based additionality
  - [-] Third party verification [heading]
  - [-] All emissions and carbon offset data should be reported as ton
  - [-] Emissions, net, total
  - [-] Emissions, gross, total
    - [-] Emissions, direct and indirect, total
      - [-] Emissions, direct, total
        - [-] Emissions, direct, stationary combustion
        - [-] Emissions, direct, mobile combustion
        - [-] Emissions, direct, process sources
        - [-] Emissions, direct, fugitive sources
        - [-] Emissions, direct, agricultural sources
      - [-] Emissions, indirect, total
    - [-] Emissions, other indirect, total

**Emissions, gross, total**

**Properties**

| Property           | Value   |
|--------------------|---|
| Name               | EmissionsGrossTotal                             |
| Namespace          | http://xbrl.frc.org.uk/reports/2024-01-01/direp |
| Data Type          | dtr2022:ghgEmissionsItemType                    |
| XBRL Type          | decimalItemType                                 |
| Substitution Group | xbrli:item                                      |
| Period Type        | duration  |
| Abstract           | false   |
| Nilable            | true  |

**Labels**

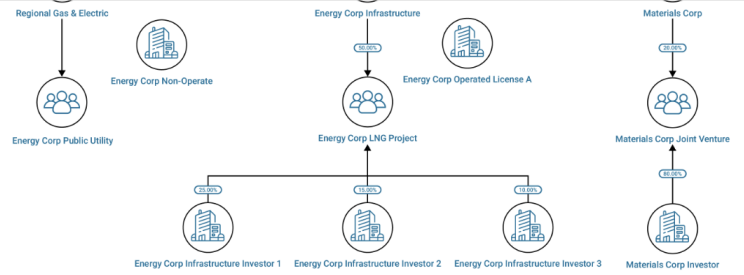
| Type           | Lang | Label                      |
|----------------|------|----------------------------|
| Standard Label | en   | Emissions, gross, total    |
| Verbose Label  | en   | Total Gross Emissions      |
| Standard Label | cy   | Allyriadau, gros, cyfanswm |
| Verbose Label  | cy   | Cyfanswm Allyriadau Gros   |

**References**

This concept does not have any references.



# OFP iXBRL Data Report



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-  
📄

| Streamlined Energy and Carbon Reporting |              |          |              |      |          |       |
|---|--------------|----------|--------------|------|----------|-------|
|   | 2022         |          |              | 2021 |          |       |
|   | US           | Overseas | Total        | US   | Overseas | Total |
| <b>Emissions</b>                        |              |          |              |      |          |       |
| Scope 1 (tCO2e)                         | 459,377      | -        | 459,377      |      |          |       |
| Scope 2 (tCO2e)                         | 12.31        | -        | 12.31        |      |          |       |
| Scope 3 (tCO2e)                         | 609,808      | -        | 609,808      |      |          |       |
| Total Emissions (tCO2e)                 | 1,069,197.31 |          | 1,069,197.31 |      |          |       |
| Energy Consumption, Electricity (kWh)   | 36,000       |          | 36,000       |      |          |       |
| Carbon Offsets (tCO2e)                  | -            |          | -            |      |          |       |

## Fact Properties

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### Concept

- (direp) Emissions, gross, total

### Properties

**Date** 1 Jan 2022 to 31 Dec 2022  
**Fact Value** 1,069,197.31  
**Accuracy** n/a  
**Scale** n/a  
**Change** n/a  
**Entity** [LEI] 0000087347  
**Concept** direp:EmissionsGrossTotal 📄

< 1 of 1 >

### ▼ Anchoring

### Wider anchor

- None

### Narrower anchors

- None

### ▼ References

### ▼ Calculations

### ▼ Footnotes

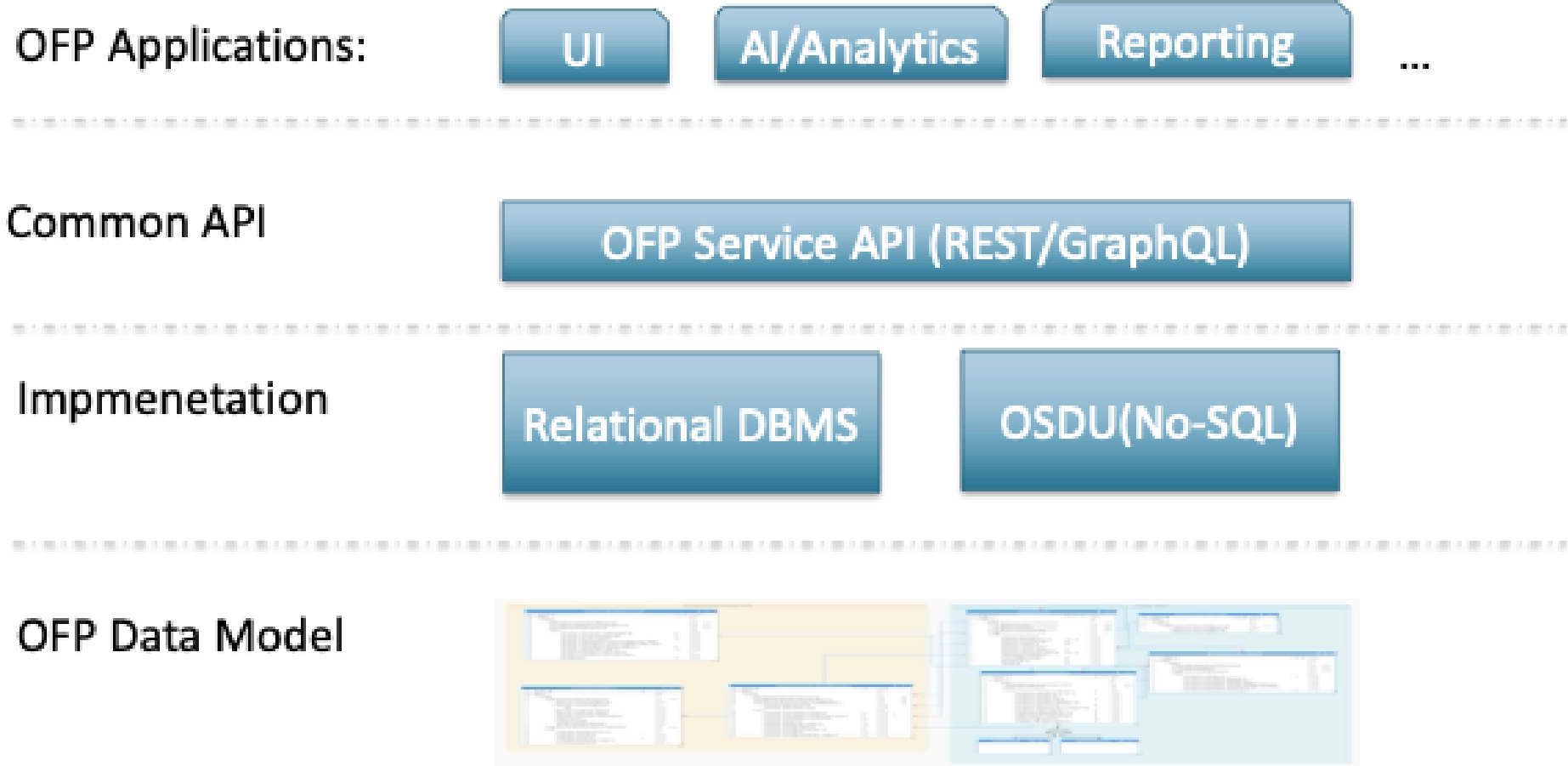
### ▼ Sections



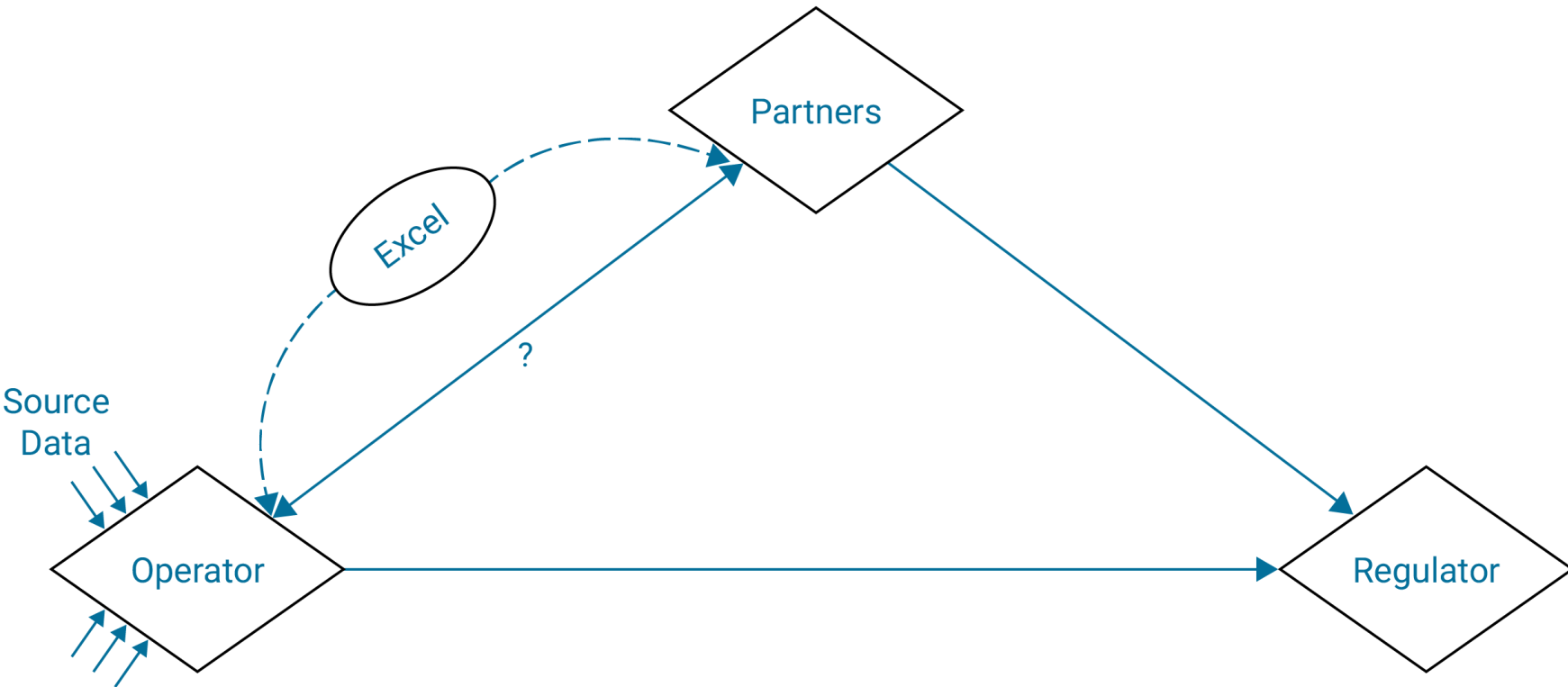


# Closing Remarks

## Technical Architecture

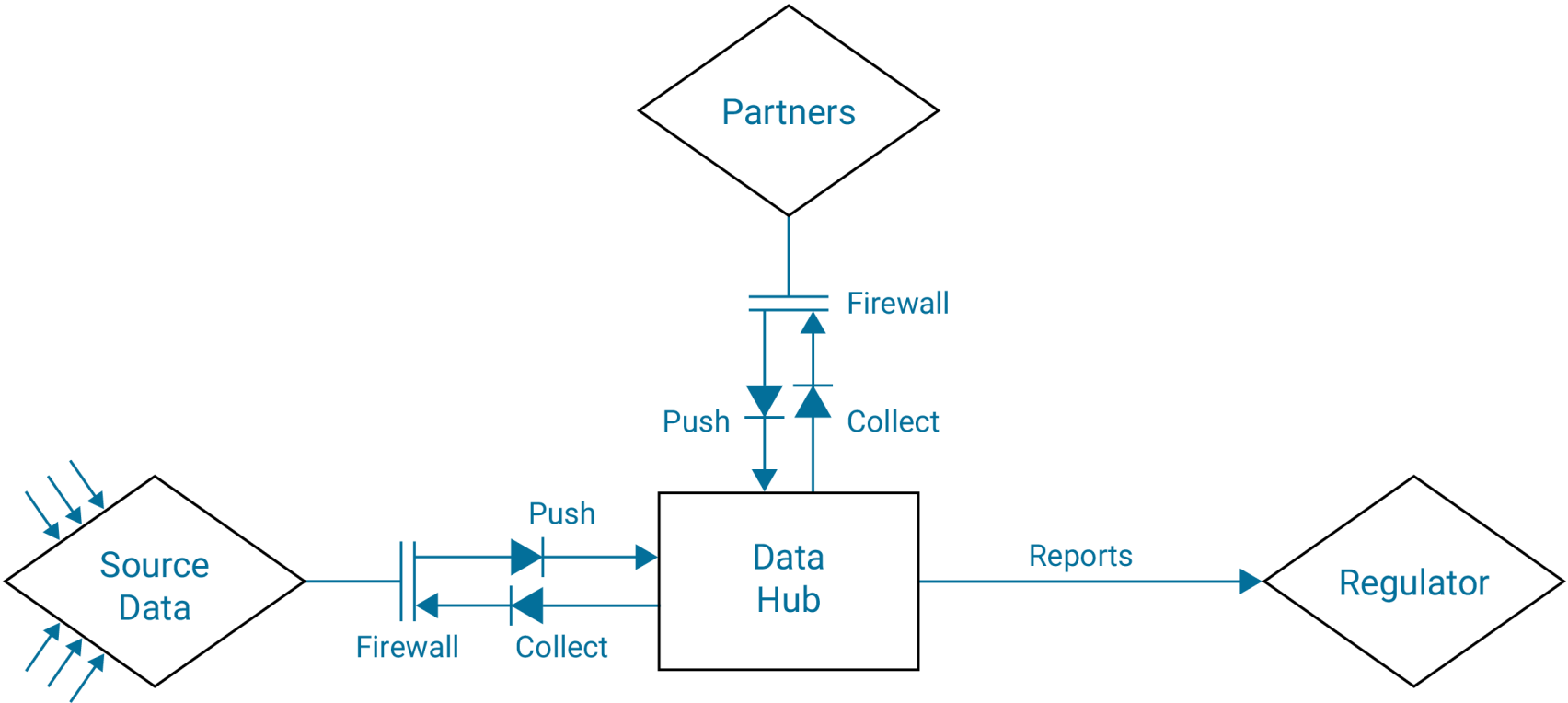


# Data Exchange : Excel is the common mechanism



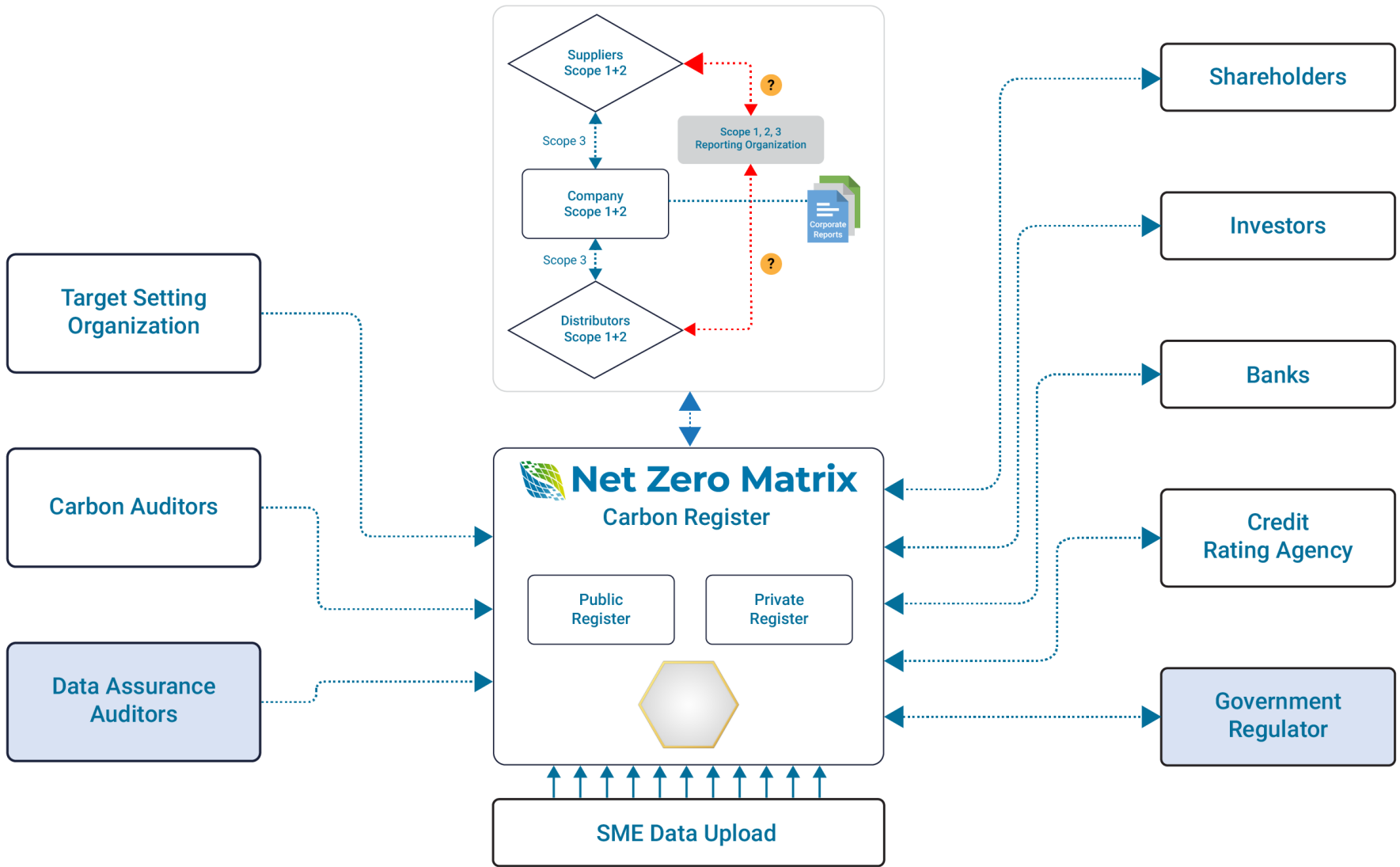


# Data Exchange : Data Hub eliminates security issues ; Push & Collect



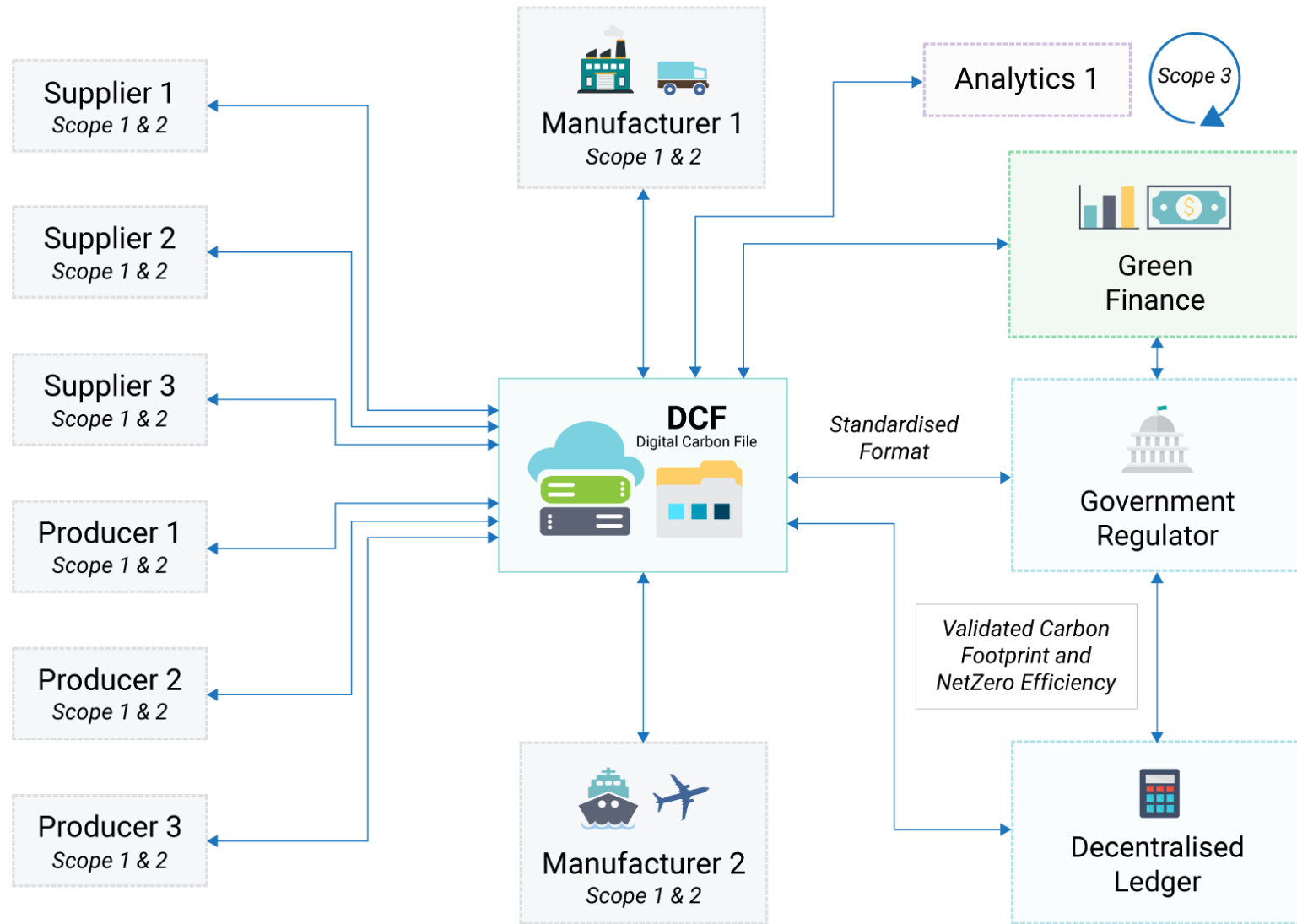


# Data Exchange : Hub Solution





# Digital Carbon File



# Centralised Report Repository



The screenshot shows a web browser window with multiple tabs. The active tab is 'Sector B - Mining and quarrying'. The address bar shows the URL: [hub.digitalcarbonfile.com/nem/DCF/content/9578f0c0-849b-4c4a-b6c2-86cb995c118f](https://hub.digitalcarbonfile.com/nem/DCF/content/9578f0c0-849b-4c4a-b6c2-86cb995c118f). The page header includes 'Net Zero Matrix' and 'Digital Carbon File' with a search bar. The left sidebar shows a navigation tree under 'My Drive' with folders for 'Carbon Register' and 'Sector B - Mining and quarrying'. The main content area displays a table of folders for 'Sector B - Mining and quarrying'.

| Name          | Type   | Created Date            | Modified Date           | File Size |
|---------------|--------|-------------------------|-------------------------|-----------|
| Folders (12)  |        |                         |                         |           |
| Aramco        | Folder | Jan 9, 2023, 5:51:08 PM | Jan 9, 2023, 5:52:48 PM |           |
| bp            | Folder | Jan 9, 2023, 6:03:14 PM | Jan 9, 2023, 6:03:34 PM |           |
| Chevron       | Folder | Jan 9, 2023, 6:07:48 PM | Jan 9, 2023, 6:08:27 PM |           |
| CNPC          | Folder | Jan 9, 2023, 6:12:13 PM | Jan 9, 2023, 6:12:32 PM |           |
| Eni           | Folder | Jan 9, 2023, 6:39:21 PM | Jan 9, 2023, 6:39:51 PM |           |
| Equinor       | Folder | Jan 9, 2023, 6:43:39 PM | Jan 9, 2023, 6:44:21 PM |           |
| ExxonMobil    | Folder | Jan 9, 2023, 6:48:07 PM | Jan 9, 2023, 6:48:32 PM |           |
| Occidental    | Folder | Jan 9, 2023, 6:57:53 PM | Jan 9, 2023, 6:58:27 PM |           |
| Petrobras     | Folder | Jan 9, 2023, 7:21:30 PM | Jan 9, 2023, 7:21:57 PM |           |
| Repsol        | Folder | Jan 9, 2023, 7:27:59 PM | Jan 9, 2023, 7:28:27 PM |           |
| Shell         | Folder | Jan 9, 2023, 7:30:49 PM | Jan 9, 2023, 7:31:17 PM |           |
| TotalEnergies | Folder | Jan 9, 2023, 7:33:52 PM | Jan 9, 2023, 7:34:19 PM |           |

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