Tableau

PCF Application relies on 2 workbooks published on Tableau Cloud, and available to a selection of Syensqo's Users as per security requirements specified prior.

This document aims at navigating the data source panel as well as knowing how to reach underlying data from the source. But also, outline all computed elements on each dashboard currently available on all Tableau servers projects:

PCF - Product Carbon Footprint

PCF - Carbon Footprint - UAT

PCF - Product Carbon Footprint - DEV

1. **Data connection**

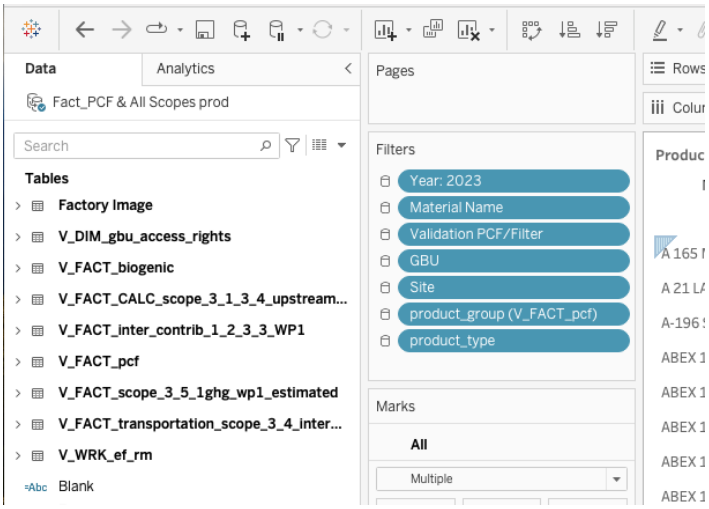
a. Service Account

While dashboards can have a User as project or workbook owner. Connection and extraction of data from Google big query will always be used from a dedicated Service account. Credentials need to be requested to and granted by CloudOps team.

These credentials will allow connection and data extraction from each GCP projects and are available on Google Drive.

b. Data Source Panel

Tableau workbook will only extract data from Google Big Query following the same model for all dashboards and each data source as seen below:



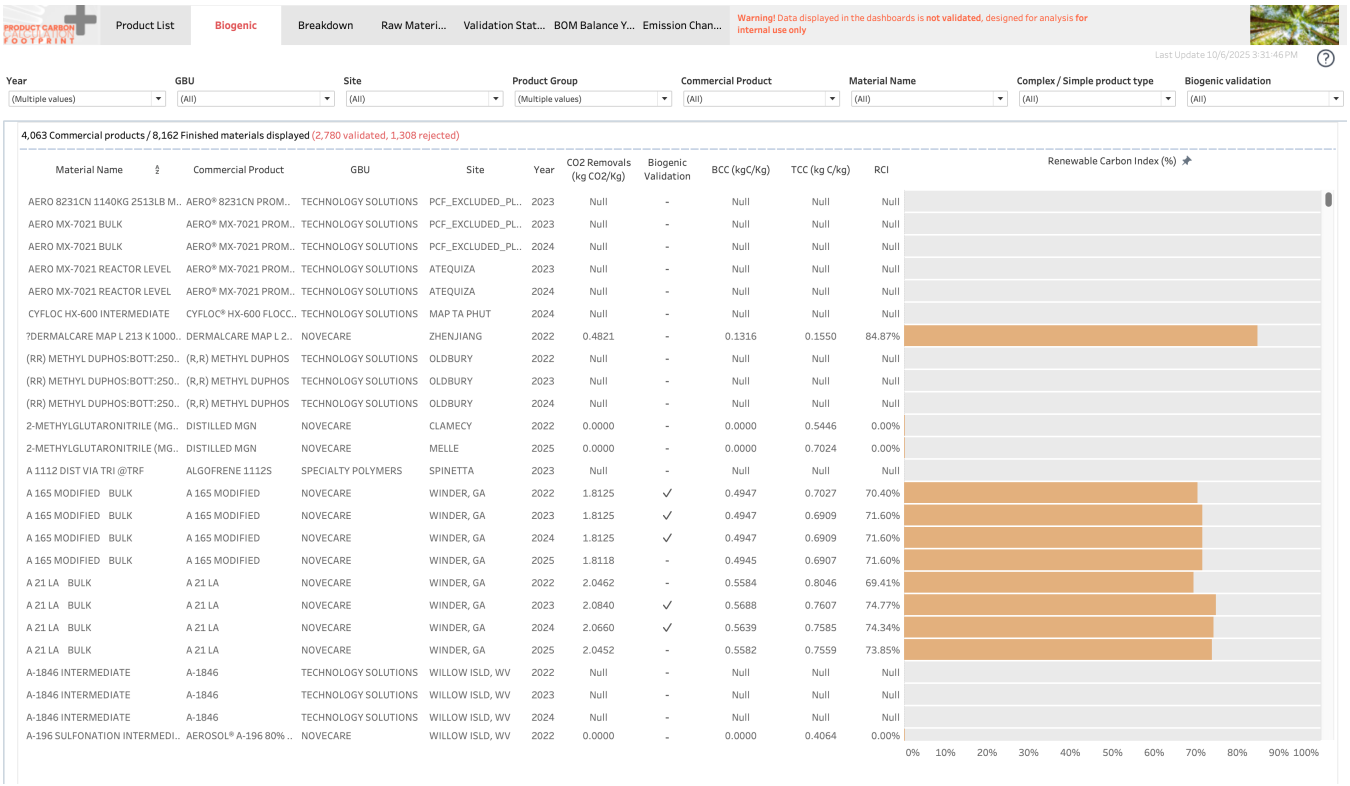
2. PCF - Product Carbon Footprint Advanced Workbook

a. Product List dashboard

b. Product List Calculated fields

Please refer to the document:

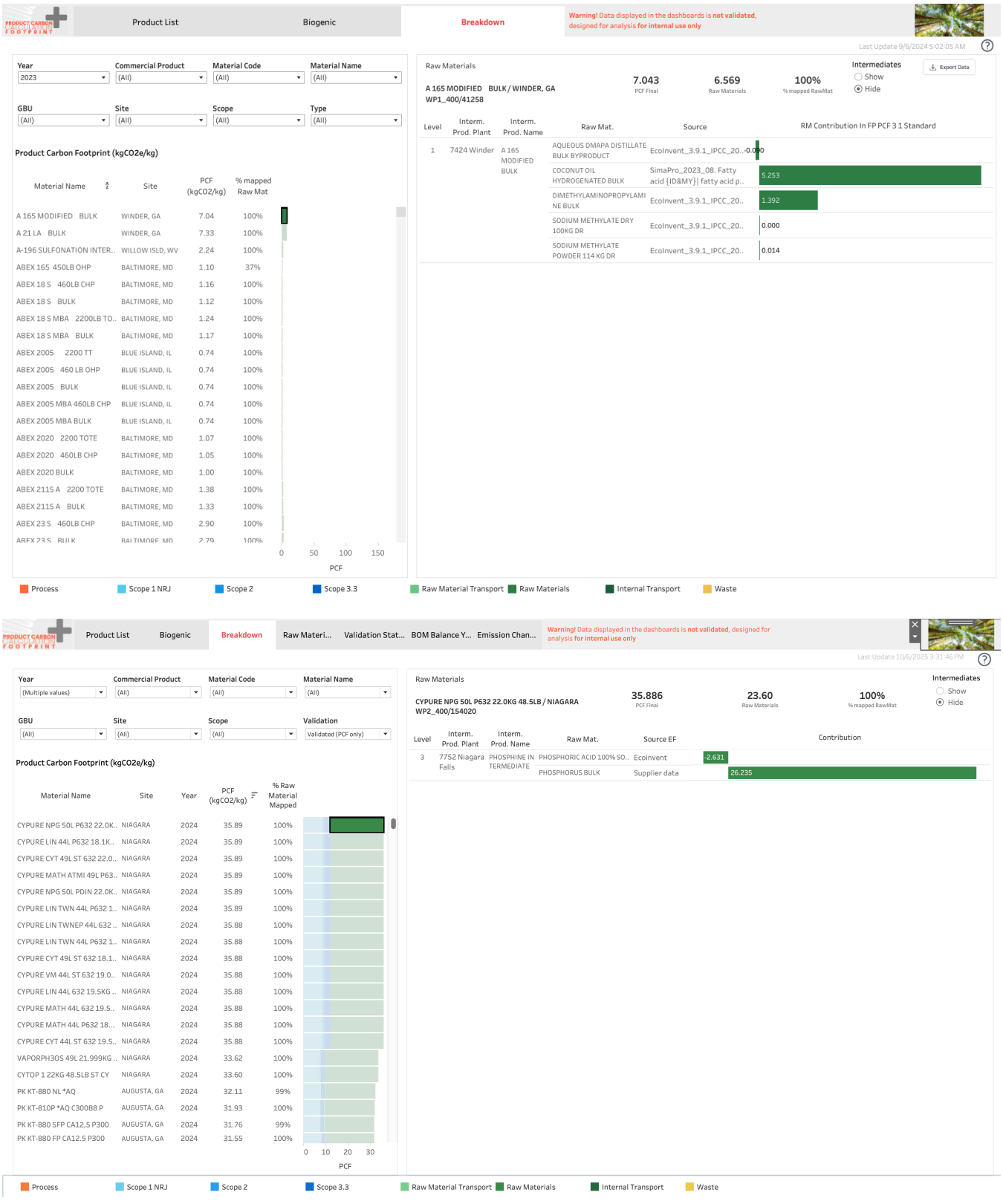
c. Biogenic dashboard



d. Biogenic Calculated fields

Please refer to the document:

e. Breakdown dashboard


Product List
Biogenic
Breakdown
Warning! Data displayed in the dashboards is not validated, designed for analysis for internal use only
Last Update 9/6/2024 5:02:05 AM
Year
2023
Commercial Product
(All)
Material Code
(All)
Material Name
(All)
GBU
(All)
Site
(All)
Scope
(All)
Type
(All)
Product Carbon Footprint (kgCO2e/kg)
Material Name
Site
PCF (kgCO2/kg)
% mapped Raw Mat
A 165 MODIFIED BULK WINDER, GA 7.04 100%
A 21 LA BULK WINDER, GA 7.33 100%
A-196 SULFONATION INTER.. WILLOW ISLD, WV 2.24 100%
ABEX 165 450LB OHP BALTIMORE, MD 1.10 37%
ABEX 18 S 460LB CHP BALTIMORE, MD 1.16 100%
ABEX 18 S BULK BALTIMORE, MD 1.12 100%
ABEX 18 S MBA 2200LB TO.. BALTIMORE, MD 1.24 100%
ABEX 18 S MBA BULK BALTIMORE, MD 1.17 100%
ABEX 2005 2200 TT BLUE ISLAND, IL 0.74 100%
ABEX 2005 460 LB OHP BLUE ISLAND, IL 0.74 100%
ABEX 2005 BULK BLUE ISLAND, IL 0.74 100%
ABEX 2005 MBA 460LB CHP BLUE ISLAND, IL 0.74 100%
ABEX 2005 MBA BULK BLUE ISLAND, IL 0.74 100%
ABEX 2020 2200 TOTE BALTIMORE, MD 1.07 100%
ABEX 2020 460LB CHP BALTIMORE, MD 1.05 100%
ABEX 2020 BULK BALTIMORE, MD 1.00 100%
ABEX 2115 A 2200 TOTE BALTIMORE, MD 1.38 100%
ABEX 2115 A BULK BALTIMORE, MD 1.33 100%
ABEX 23 S 460LB CHP BALTIMORE, MD 2.90 100%
ABEX 23 S BULK BALTIMORE, MD 2.79 100%
0 50 100 150
PCF
Raw Materials
A 165 MODIFIED BULK / WINDER, GA
WP1_400/41258
7.043
PCF Final
6.569
Raw Materials
100%
% mapped RawMat
Intermediates
Show
Hide
Export Data
Level
Interm. Prod. Plant
Interm. Prod. Name
Raw Mat.
Source
RM Contribution In FP PCF 3 1 Standard
1 7424 Winder A 165 MODIFIED BULK
AQUEOUS DMAPA DISTILLATE BULK BYPRODUCT EcoInvent_3.9.1_IPCC_20.. -0.000
COCONUT OIL HYDROGENATED BULK SimaPro_2023_08. Fatty acid {ID&MY}| fatty acid p.. 5.253
DIMETHYLAMINOPROPYLAMINE BULK EcoInvent_3.9.1_IPCC_20.. 1.392
SODIUM METHYLATE DRY 100KG DR EcoInvent_3.9.1_IPCC_20.. 0.000
SODIUM METHYLATE POWDER 114 KG DR EcoInvent_3.9.1_IPCC_20.. 0.014
Process
Scope 1 NRJ
Scope 2
Scope 3.3
Raw Material Transport
Raw Materials
Internal Transport
Waste
Product List
Biogenic
Breakdown
Raw Materi...
Validation Stat...
BOM Balance Y...
Emission Chan...
Warning! Data displayed in the dashboards is not validated, designed for analysis for internal use only
Last Update 10/6/2025 3:31:46 PM
Year
(Multiple values)
Commercial Product
(All)
Material Code
(All)
Material Name
(All)
GBU
(All)
Site
(All)
Scope
(All)
Validation
Validated (PCF only)
Product Carbon Footprint (kgCO2e/kg)
Material Name
Site
Year
PCF (kgCO2/kg)
% Raw Material Mapped
CYPURE NPG 50L P632 22.0K.. NIAGARA 2024 35.89 100%
CYPURE LIN 44L P632 18.1K.. NIAGARA 2024 35.89 100%
CYPURE CYT 49L ST 632 22.0.. NIAGARA 2024 35.89 100%
CYPURE MATH ATMI 49L P63.. NIAGARA 2024 35.89 100%
CYPURE NPG 50L PDIN 22.0K.. NIAGARA 2024 35.89 100%
CYPURE LIN TWN 44L P632 1.. NIAGARA 2024 35.89 100%
CYPURE LIN TWNEP 44L 632 .. NIAGARA 2024 35.88 100%
CYPURE LIN TWN 44L P632 1.. NIAGARA 2024 35.88 100%
CYPURE CYT 49L ST 632 18.1.. NIAGARA 2024 35.88 100%
CYPURE VM 44L ST 632 19.0.. NIAGARA 2024 35.88 100%
CYPURE LIN 44L 632 19.5KG .. NIAGARA 2024 35.88 100%
CYPURE MATH 44L 632 19.5.. NIAGARA 2024 35.88 100%
CYPURE MATH 44L P632 18... NIAGARA 2024 35.88 100%
CYPURE CYT 44L ST 632 19.5.. NIAGARA 2024 35.88 100%
VAPORPH3OS 49L 21.999KG .. NIAGARA 2024 33.62 100%
CYTOP 1 22KG 48.5LB ST CY NIAGARA 2024 33.60 100%
PK KT-880 NL *AQ AUGUSTA, GA 2024 32.11 99%
PK KT-810P *AQ C300B8 P AUGUSTA, GA 2024 31.93 100%
PK KT-880 SFP CA12,5 P300 AUGUSTA, GA 2024 31.76 99%
PK KT-880 FP CA12.5 P300 AUGUSTA, GA 2024 31.55 100%
0 10 20 30
PCF
Raw Materials
CYPURE NPG 50L P632 22.0KG 48.5LB / NIAGARA
WP2_400/154020
35.886
PCF Final
23.60
Raw Materials
100%
% mapped RawMat
Intermediates
Show
Hide
Level
Interm. Prod. Plant
Interm. Prod. Name
Raw Mat.
Source EF
Contribution
3 7752 Niagara Falls PHOSPHINE INTERMEDIATE
PHOSPHORIC ACID 100% SO.. Ecoinvent -2.631
PHOSPHORUS BULK Supplier data 26.235
Process
Scope 1 NRJ
Scope 2
Scope 3.3
Raw Material Transport
Raw Materials
Internal Transport
Waste

f. Breakdown Calculated fields

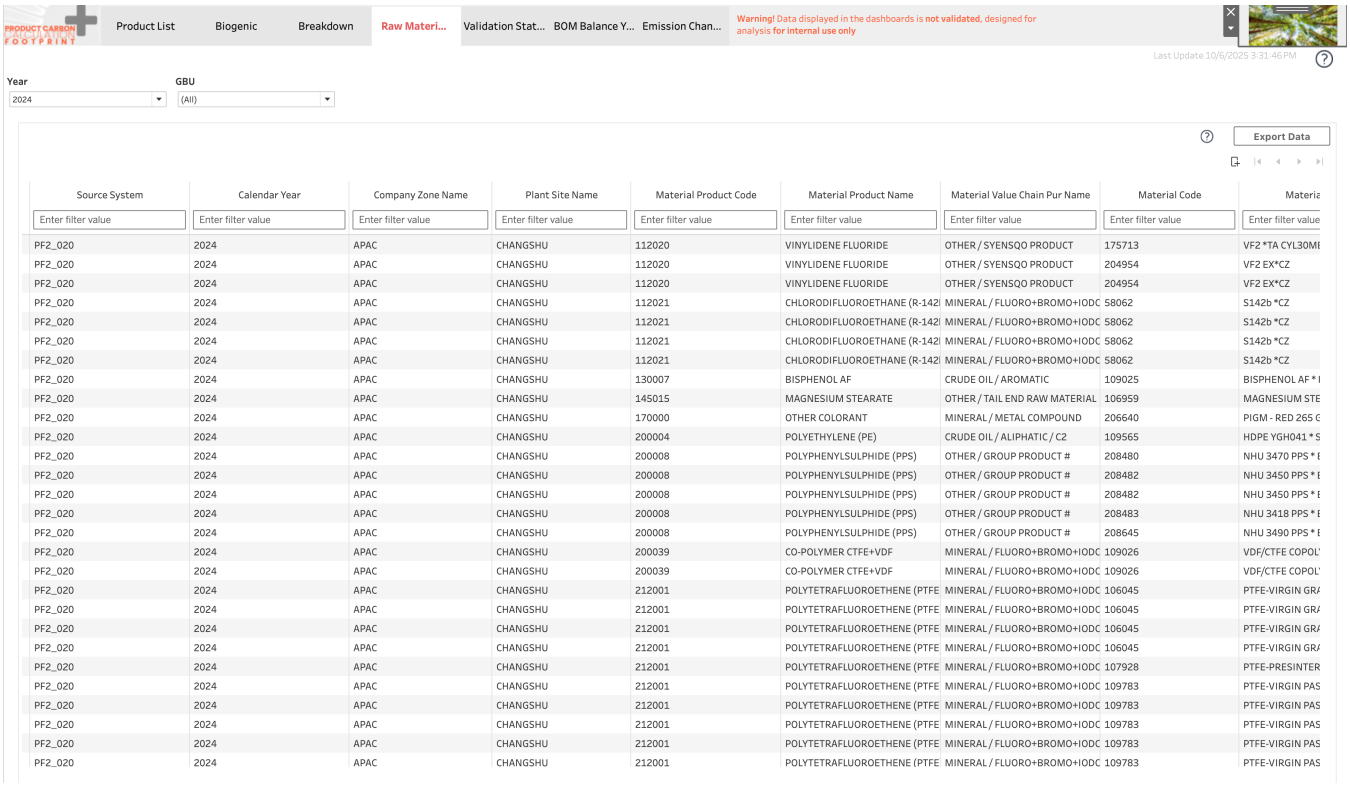
Please refer to the document:

g. PCF validation status overview

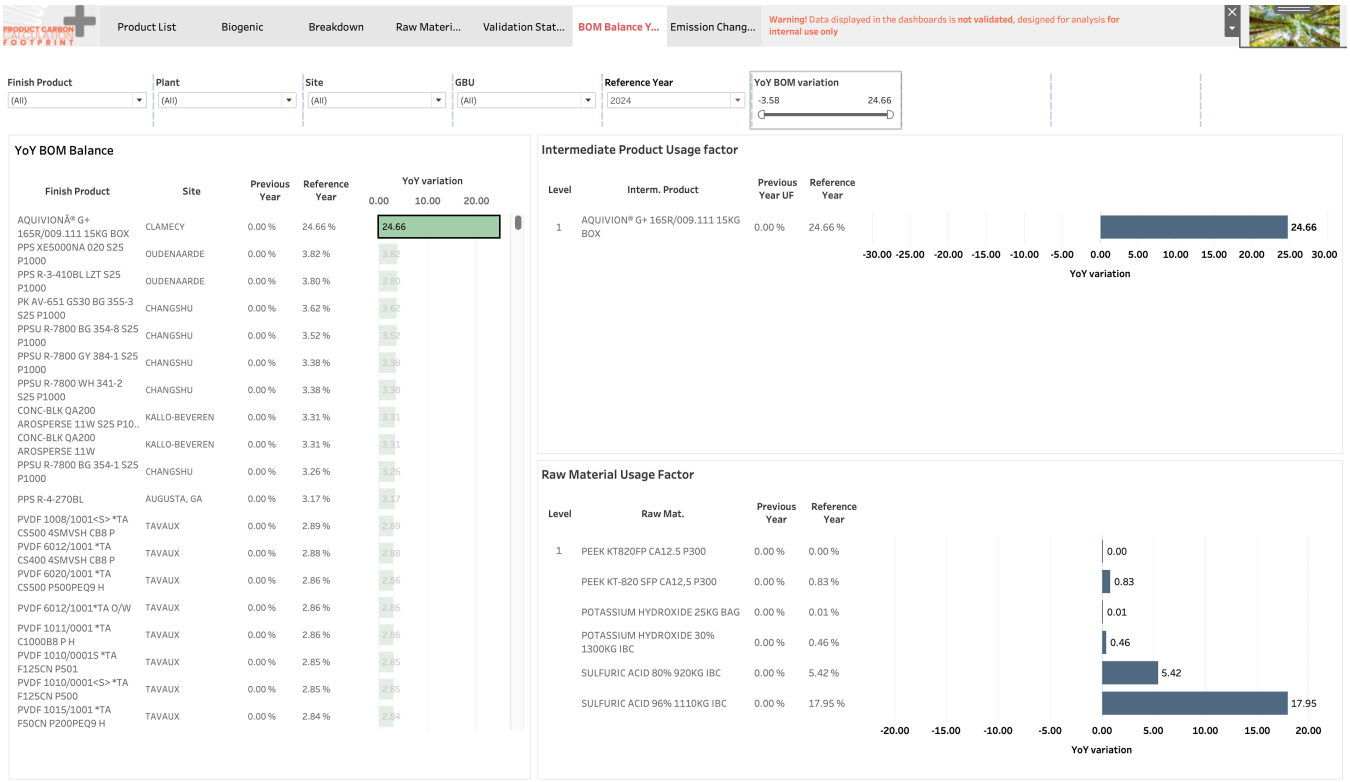
h. PCF Validation status Calculated fields

Please refer to the document:

I. Raw Materials



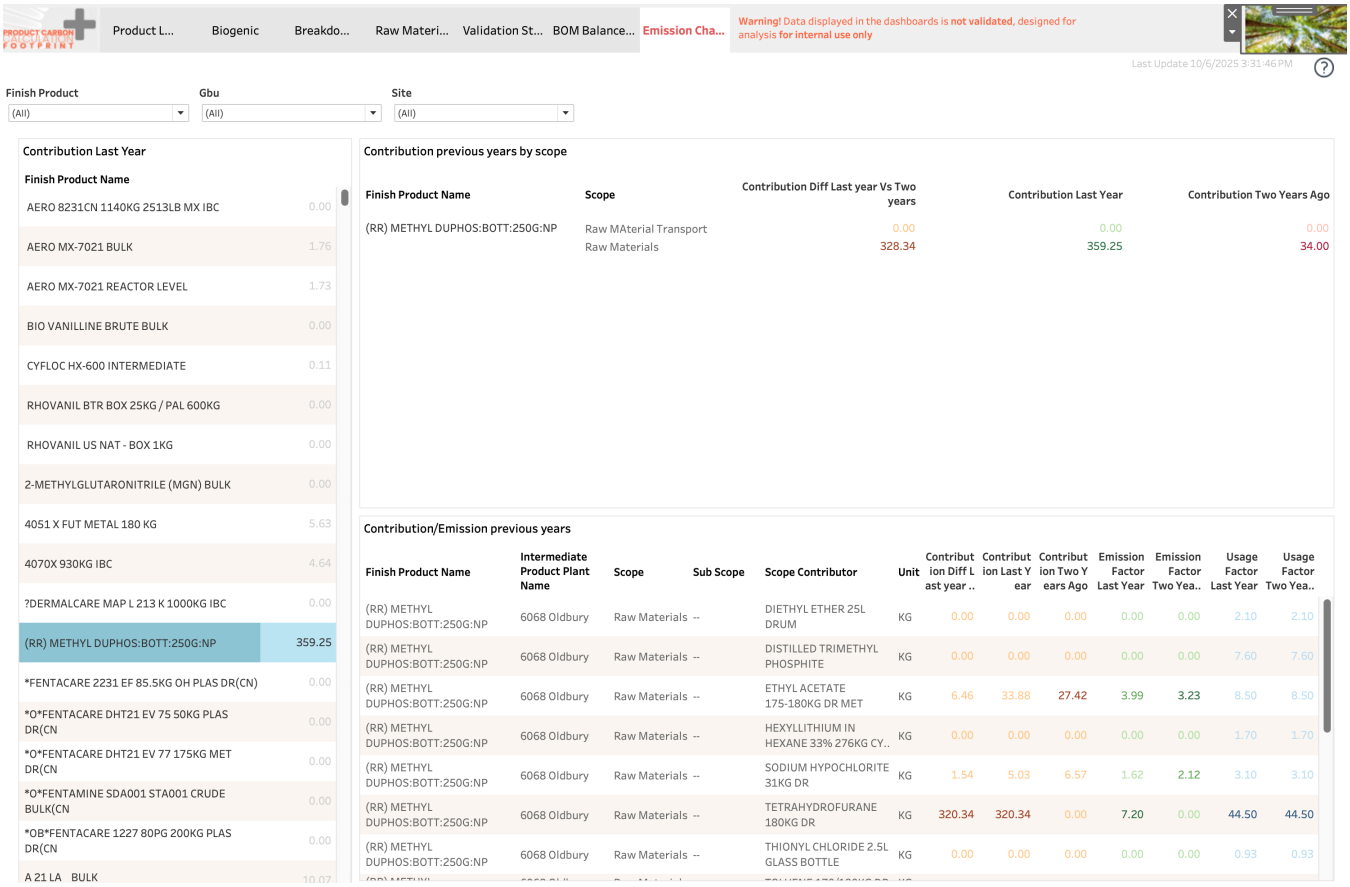
J. Bom Balance



K. Bom Balance Calculated fields

Please refer to the document:

L. Emission Changes

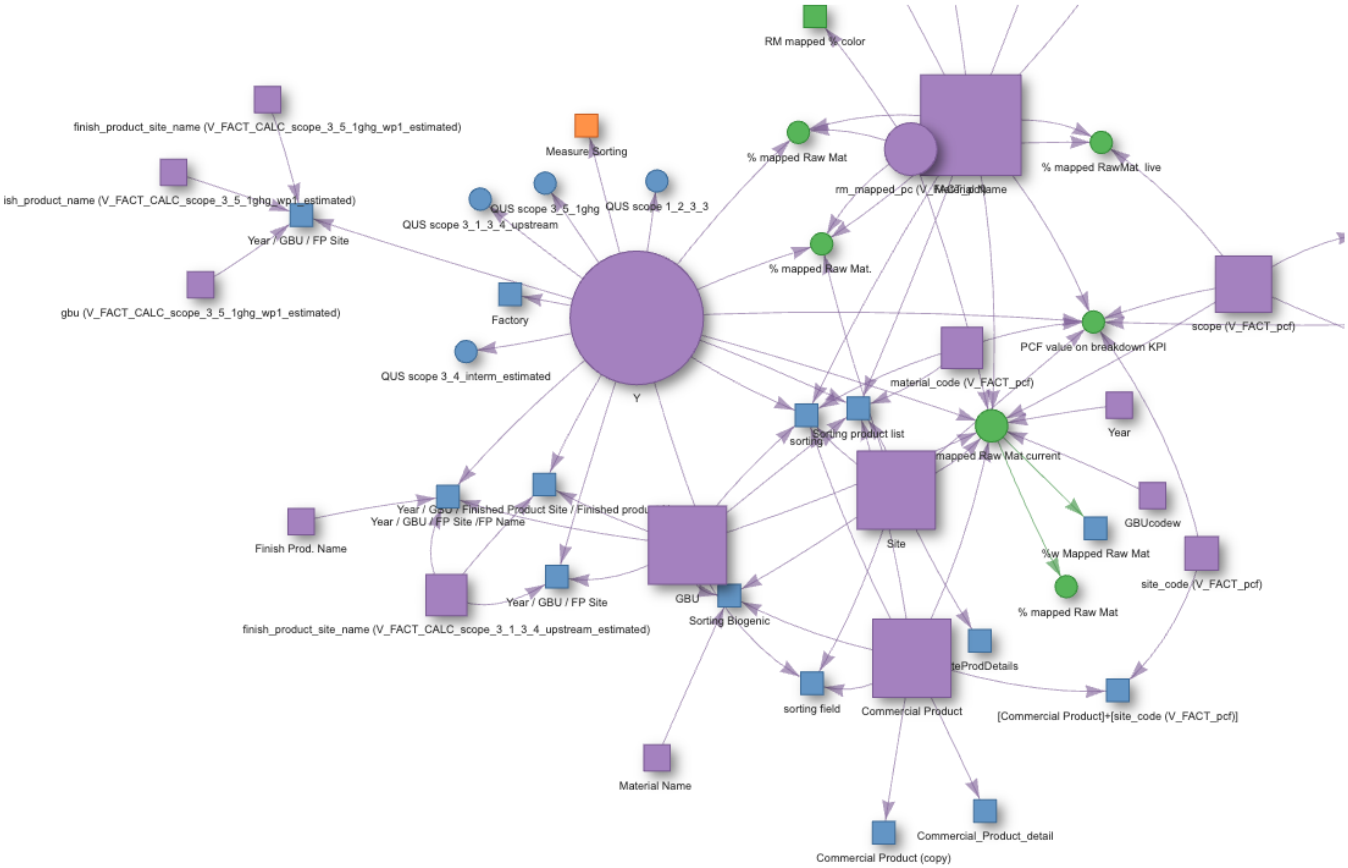


M. Emission Changes Calculated fields

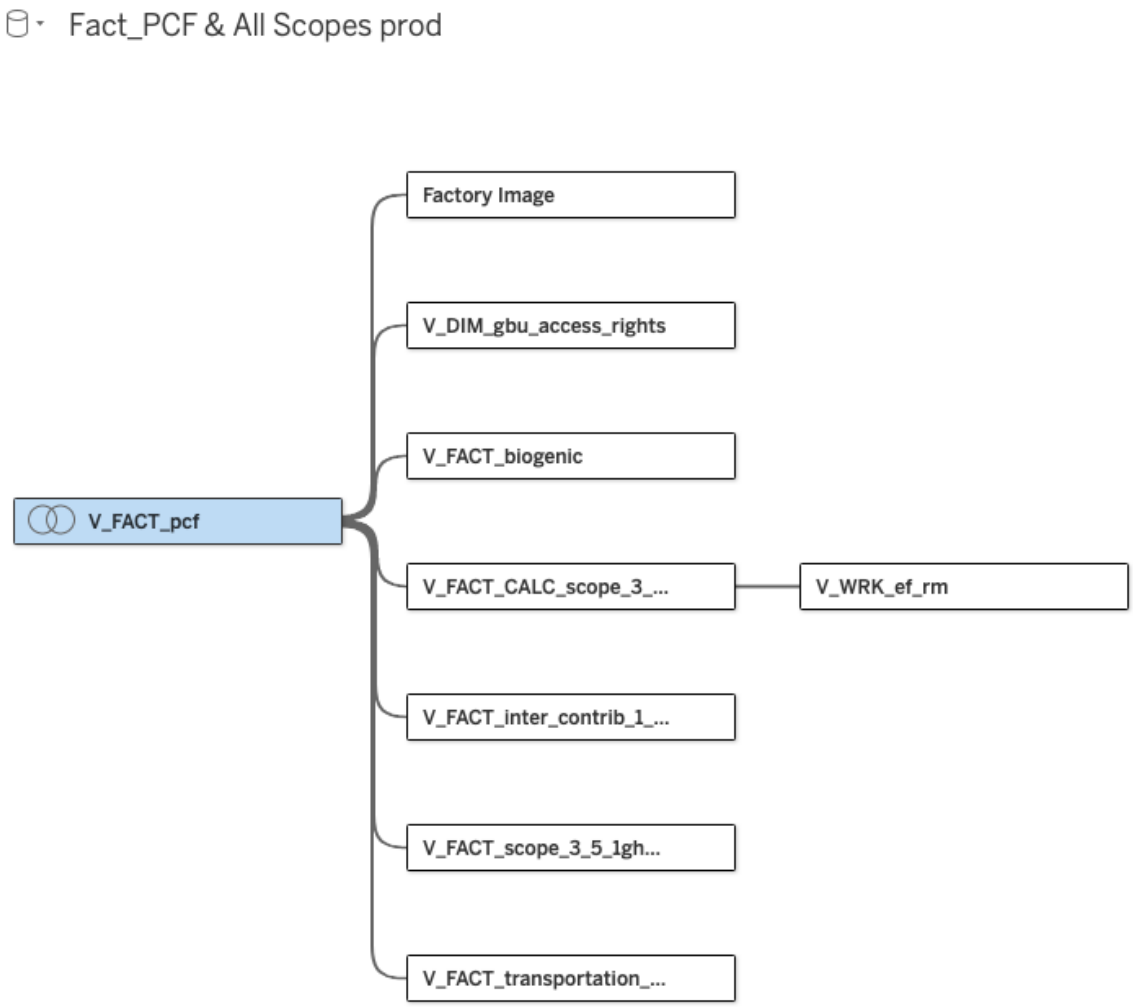
Please refer to the document:

N.Attributes Dependencies - Advanced workbook

Please, download and open this document for an interactive version: Advanced Network dependencies

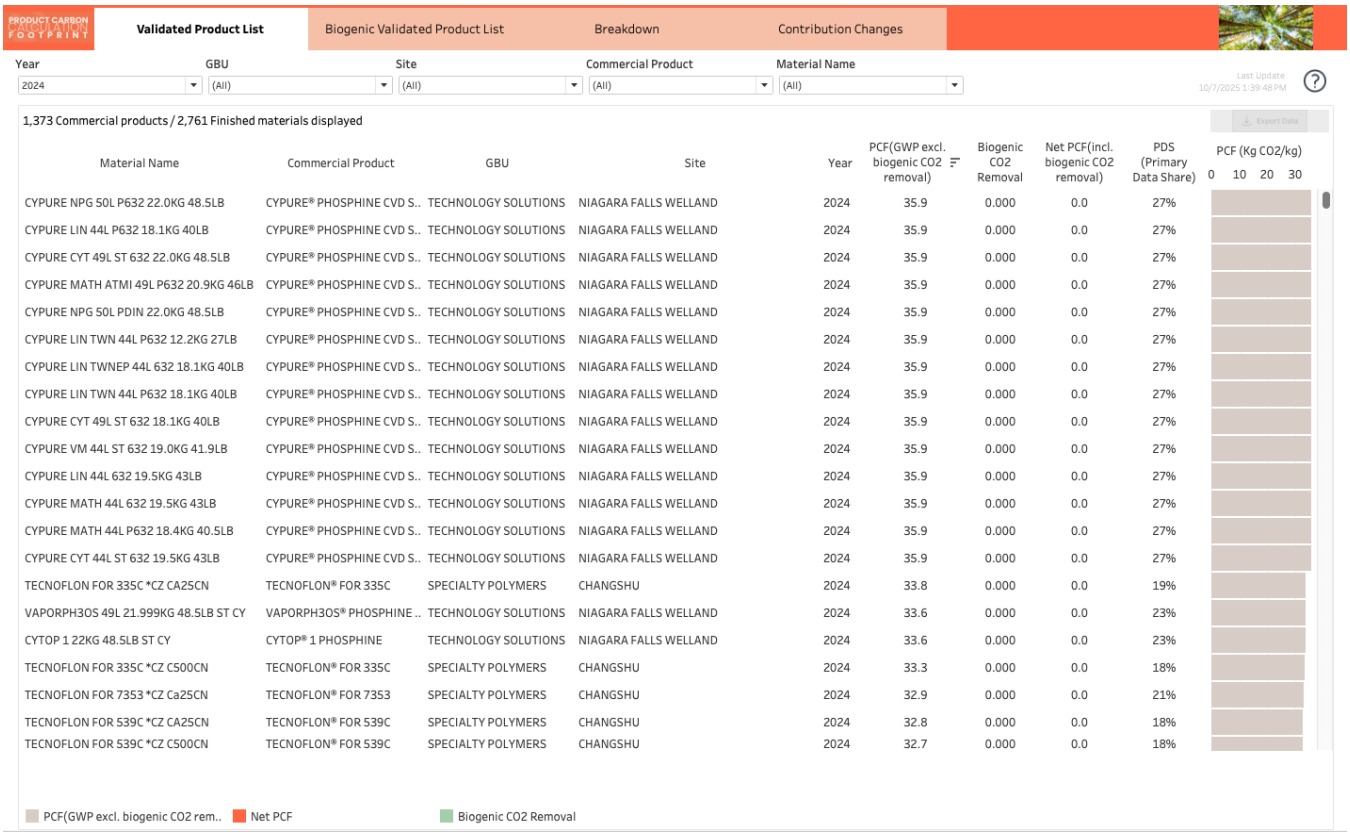


O. PCF - Product Carbon Footprint Advanced Workbook data model



3. PCF - Validated Product Carbon Footprint

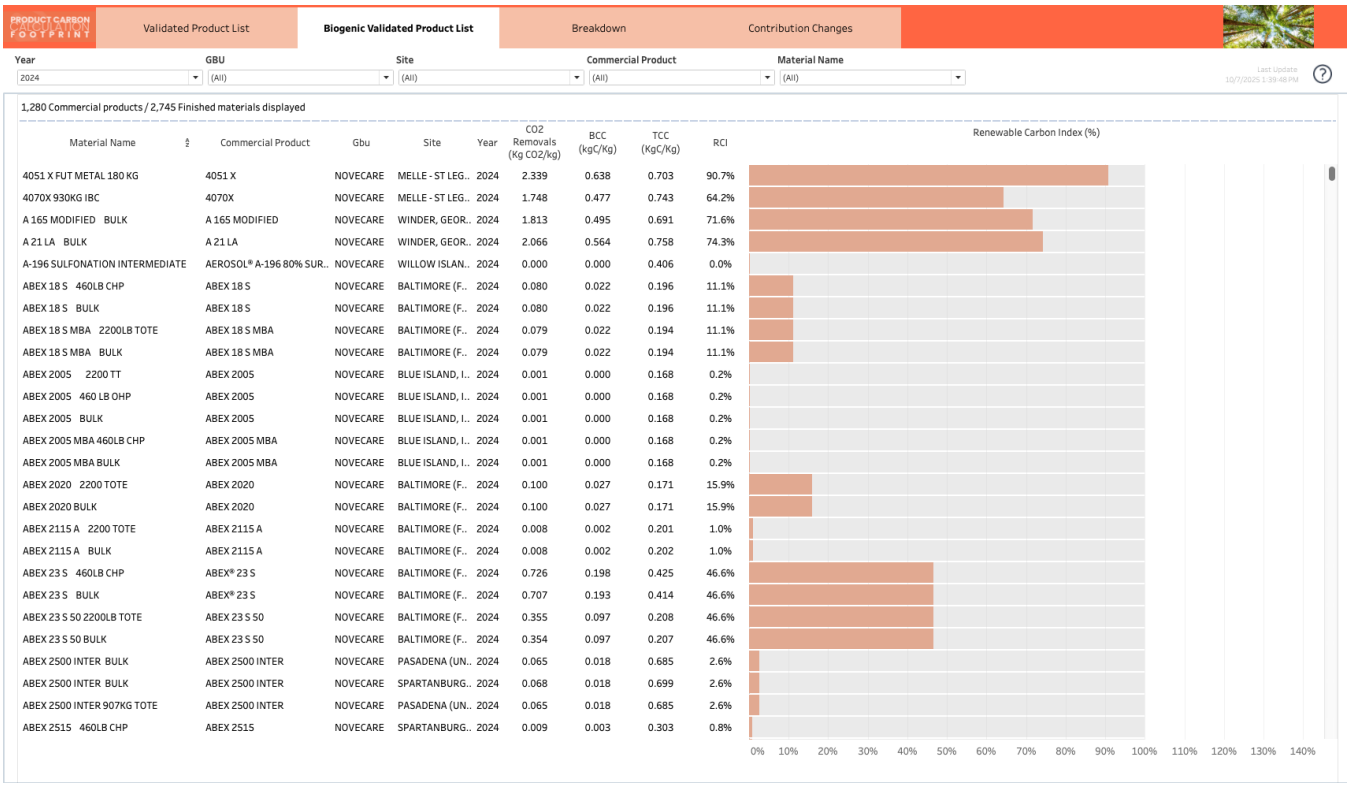
a. Validated Product list dashboard



b. Validated Product list Calculated fields

Please refer to the document:

c. Biogenic Validated Product list dashboard

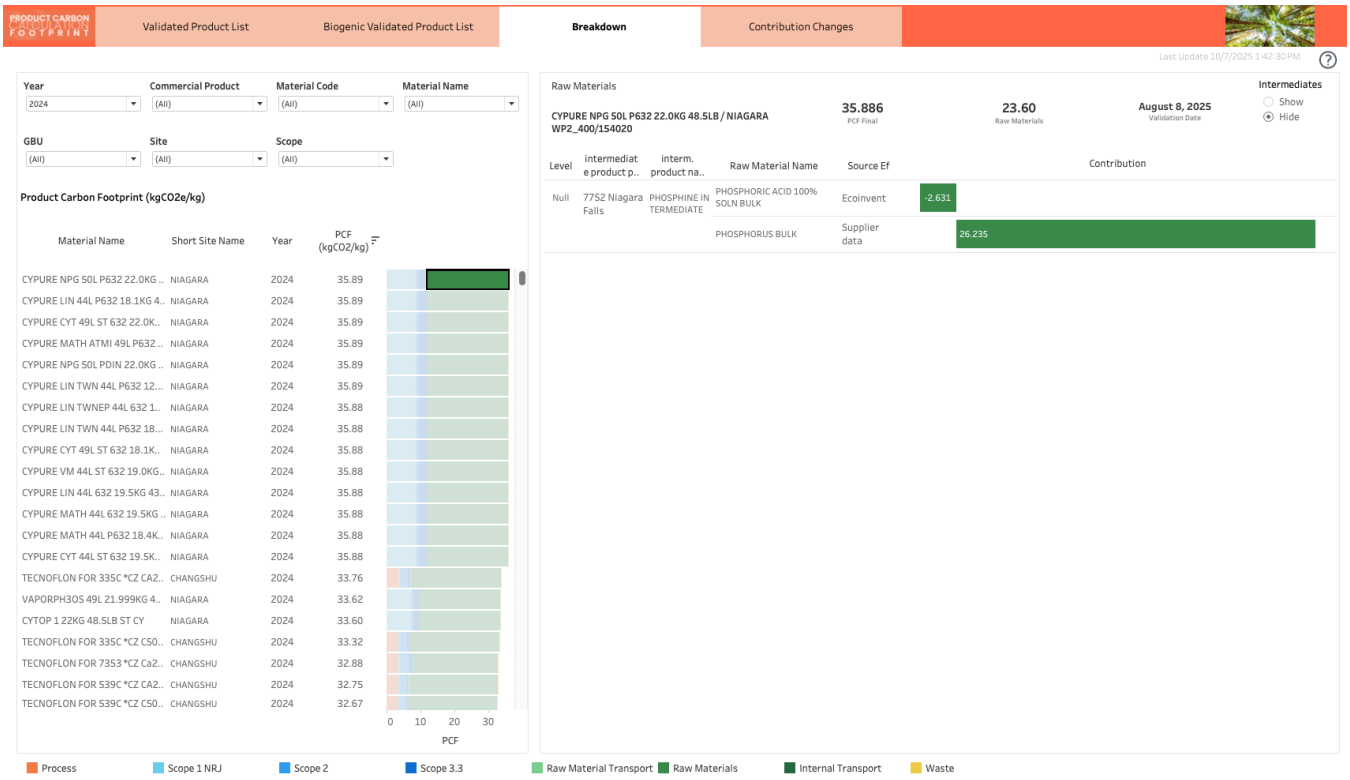


Material Name	Commercial Product	Gbu	Site	Year	CO2 Removals (Kg CO2/kg)	BCC (kgC/Kg)	TCC (KgC/Kg)	RCI
4051 X FUT METAL 180 KG	4051 X	NOVECARE	MELLE - ST LEG..	2024	2.339	0.638	0.703	90.7%
4070X 930KG IBC	4070X	NOVECARE	MELLE - ST LEG..	2024	1.748	0.477	0.743	64.2%
A 165 MODIFIED BULK	A 165 MODIFIED	NOVECARE	WINDER, GEOR..	2024	1.813	0.495	0.691	71.6%
A 21 LA BULK	A 21 LA	NOVECARE	WINDER, GEOR..	2024	2.066	0.564	0.758	74.3%
A-196 SULFONATION INTERMEDIATE	AEROSOL® A-196 80% SUR..	NOVECARE	WILLOW ISLAN..	2024	0.000	0.000	0.406	0.0%
ABEX 18 S 460LB CHP	ABEX 18 S	NOVECARE	BALTIMORE (F..	2024	0.080	0.022	0.196	11.1%
ABEX 18 S BULK	ABEX 18 S	NOVECARE	BALTIMORE (F..	2024	0.080	0.022	0.196	11.1%
ABEX 18 S MBA 2200LB TOTE	ABEX 18 S MBA	NOVECARE	BALTIMORE (F..	2024	0.079	0.022	0.194	11.1%
ABEX 18 S MBA BULK	ABEX 18 S MBA	NOVECARE	BALTIMORE (F..	2024	0.079	0.022	0.194	11.1%
ABEX 2005 2200 TT	ABEX 2005	NOVECARE	BLUE ISLAND, I..	2024	0.001	0.000	0.168	0.2%
ABEX 2005 460 LB OHP	ABEX 2005	NOVECARE	BLUE ISLAND, I..	2024	0.001	0.000	0.168	0.2%
ABEX 2005 BULK	ABEX 2005	NOVECARE	BLUE ISLAND, I..	2024	0.001	0.000	0.168	0.2%
ABEX 2005 MBA 460LB CHP	ABEX 2005 MBA	NOVECARE	BLUE ISLAND, I..	2024	0.001	0.000	0.168	0.2%
ABEX 2005 MBA BULK	ABEX 2005 MBA	NOVECARE	BLUE ISLAND, I..	2024	0.001	0.000	0.168	0.2%
ABEX 2020 2200 TOTE	ABEX 2020	NOVECARE	BALTIMORE (F..	2024	0.100	0.027	0.171	15.9%
ABEX 2020 BULK	ABEX 2020	NOVECARE	BALTIMORE (F..	2024	0.100	0.027	0.171	15.9%
ABEX 2115 A 2200 TOTE	ABEX 2115 A	NOVECARE	BALTIMORE (F..	2024	0.008	0.002	0.201	1.0%
ABEX 2115 A BULK	ABEX 2115 A	NOVECARE	BALTIMORE (F..	2024	0.008	0.002	0.202	1.0%
ABEX 23 S 460LB CHP	ABEX® 23 S	NOVECARE	BALTIMORE (F..	2024	0.726	0.198	0.425	46.6%
ABEX 23 S BULK	ABEX® 23 S	NOVECARE	BALTIMORE (F..	2024	0.707	0.193	0.414	46.6%
ABEX 23 S 50 2200LB TOTE	ABEX 23 S 50	NOVECARE	BALTIMORE (F..	2024	0.355	0.097	0.208	46.6%
ABEX 23 S 50 BULK	ABEX 23 S 50	NOVECARE	BALTIMORE (F..	2024	0.354	0.097	0.207	46.6%
ABEX 2500 INTER BULK	ABEX 2500 INTER	NOVECARE	PASADENA (UN..	2024	0.065	0.018	0.685	2.6%
ABEX 2500 INTER BULK	ABEX 2500 INTER	NOVECARE	SPARTANBURG..	2024	0.068	0.018	0.699	2.6%
ABEX 2500 INTER 907KG TOTE	ABEX 2500 INTER	NOVECARE	PASADENA (UN..	2024	0.065	0.018	0.685	2.6%
ABEX 2515 460LB CHP	ABEX 2515	NOVECARE	SPARTANBURG..	2024	0.009	0.003	0.303	0.8%

d. Biogenic Product list Calculated fields

Please refer to the document:

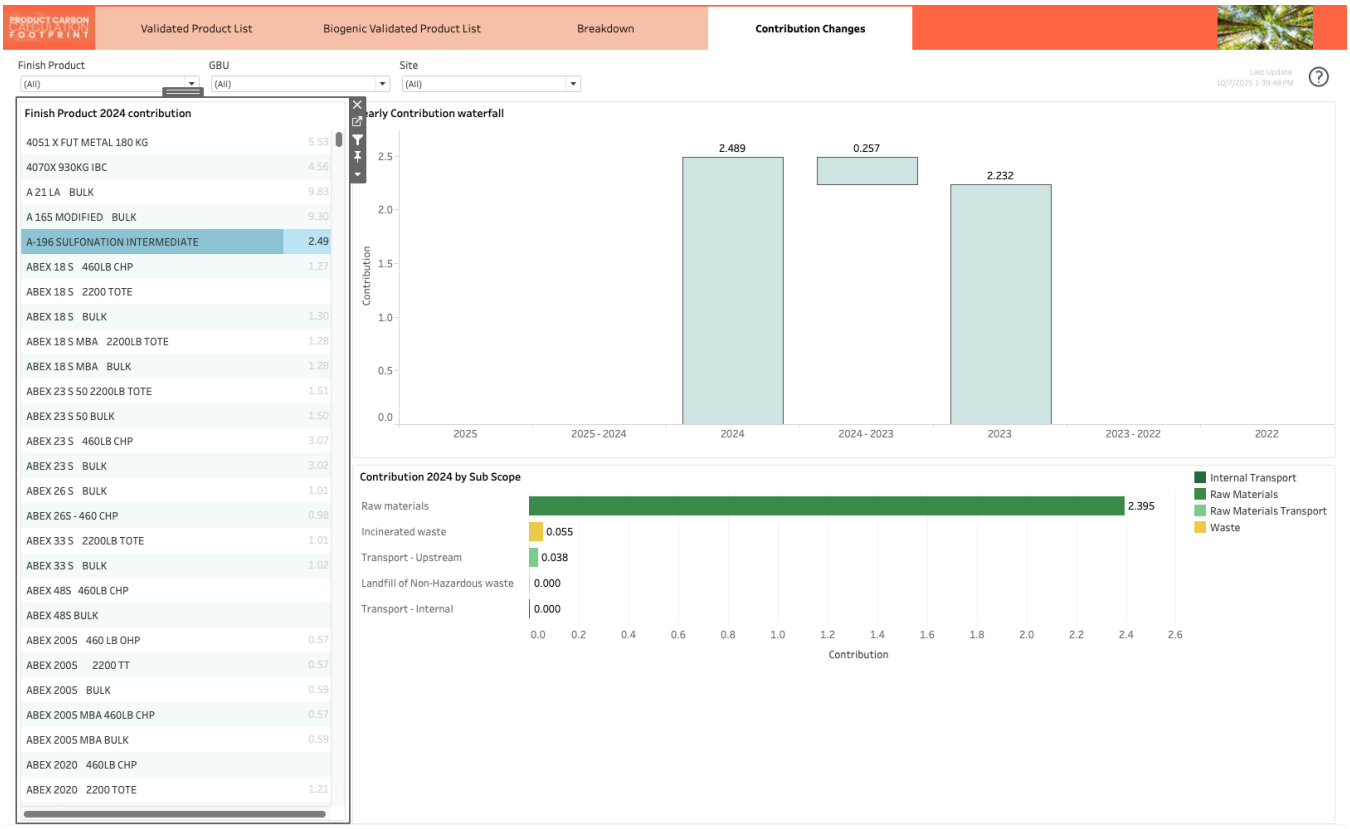
e. Breakdown dashboard



f. Breakdown list Calculated fields

Please refer to the document:

g. Contribution Dashboard



g. Contribution Changes list Calculated fields

Please refer to the document:

h.Attributes Dependencies - Advanced workbook

Please, download and open this document for an interactive version:

i. PCF - Product Carbon Footprint validated Workbook data model

V_FACT_biogenic_valid

V_PCF & All Scope