

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

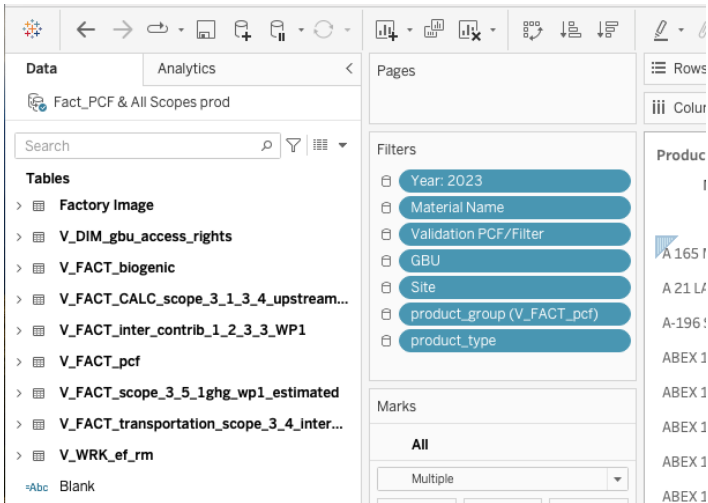
a. Service Account

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](#).

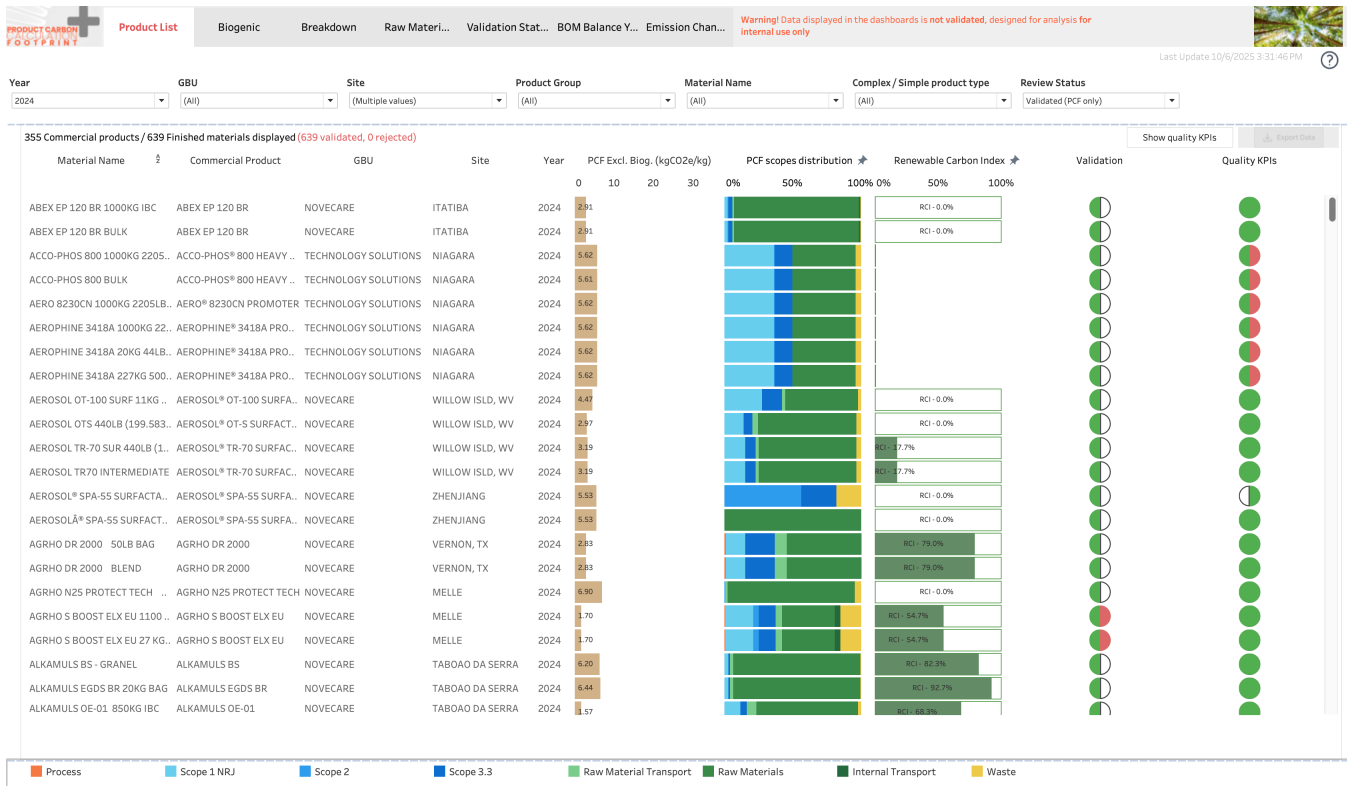
b. Data Source Panel

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

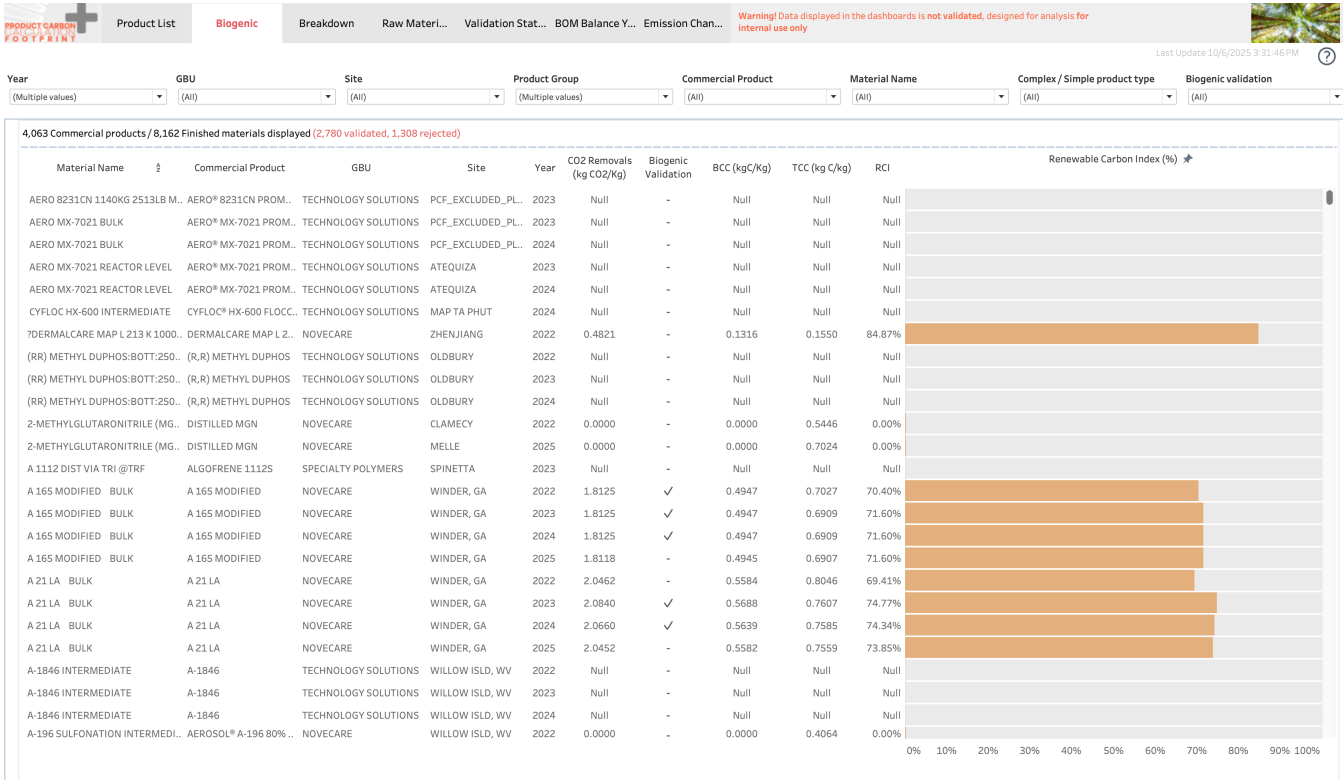
a. Product List dashboard



b. Product List Calculated fields

Please refer to the document:

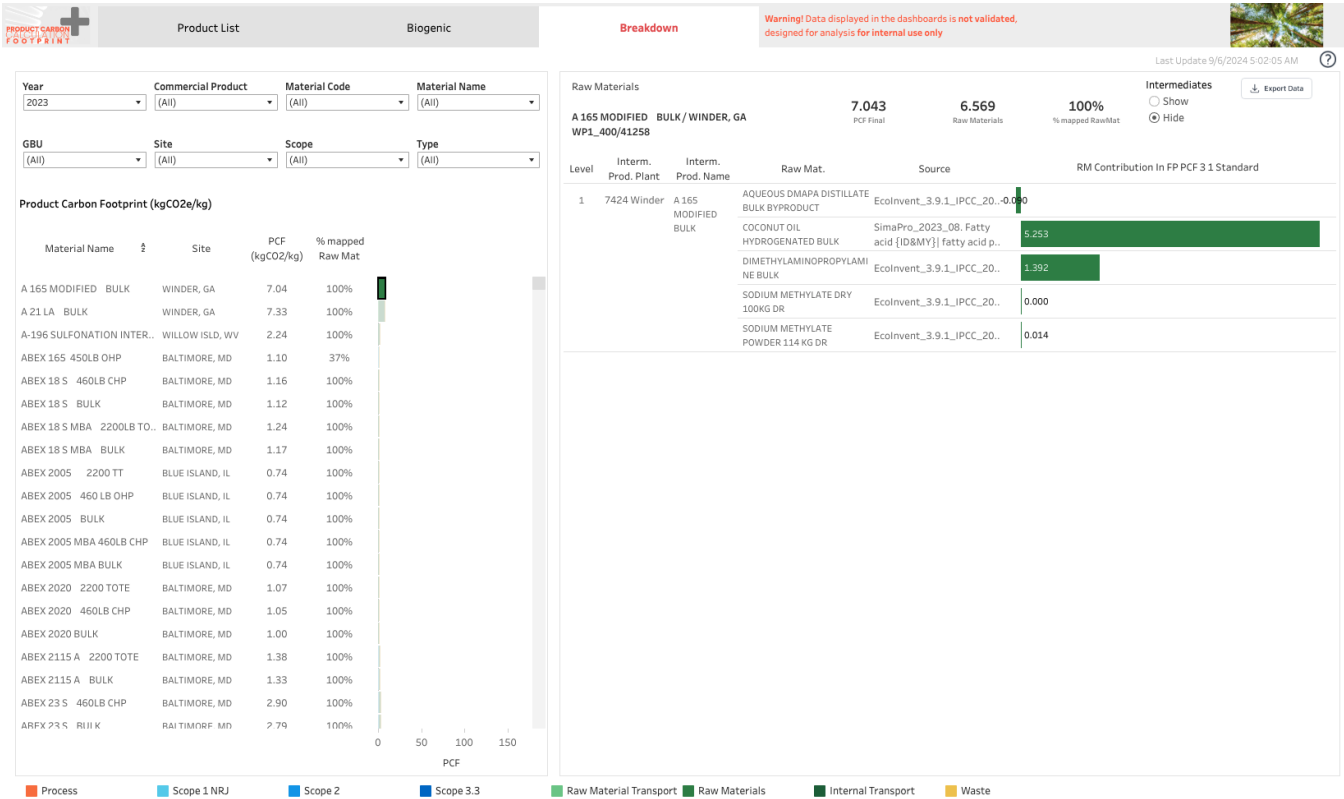
c. Biogenic dashboard



d. Biogenic Calculated fields

Please refer to the document:

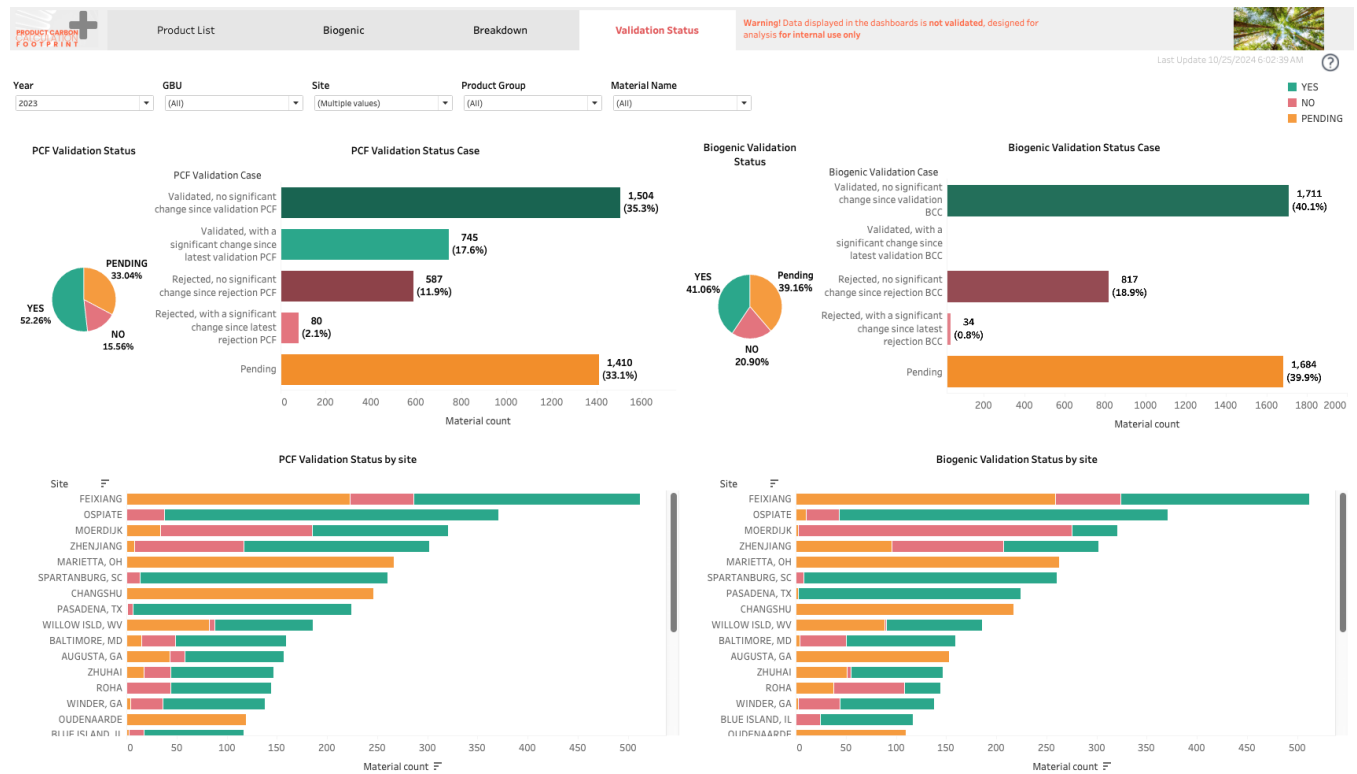
e. Breakdown dashboard



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

PRODUCT CARBON FOOTPRINT

Product ListBiogenicBreakdownRaw 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

Year2024GBU(All)

Export Data

Source System	Calendar Year	Company Zone Name	Plant Site Name	Material Product Code	Material Product Name	Material Value Chain Pur Name	Material Code	Material
Enter filter value	Enter filter value	Enter filter value	Enter filter value	Enter filter value	Enter filter value	Enter filter value	Enter filter value	Enter filter value
PF2_020	2024	APAC	CHANGSHU	112020	VINYLDENE FLUORIDE	OTHER / SYENSQO PRODUCT	175713	VF2 *TA CYL30MI
PF2_020	2024	APAC	CHANGSHU	112020	VINYLDENE FLUORIDE	OTHER / SYENSQO PRODUCT	204954	VF2 EX*CZ
PF2_020	2024	APAC	CHANGSHU	112020	VINYLDENE FLUORIDE	OTHER / SYENSQO PRODUCT	204954	VF2 EX*CZ
PF2_020	2024	APAC	CHANGSHU	112021	CHLORODIFLUOROETHANE (R-142)	MINERAL / FLUORO+BROMO+IODC	58062	S142b *CZ
PF2_020	2024	APAC	CHANGSHU	112021	CHLORODIFLUOROETHANE (R-142)	MINERAL / FLUORO+BROMO+IODC	58062	S142b *CZ
PF2_020	2024	APAC	CHANGSHU	112021	CHLORODIFLUOROETHANE (R-142)	MINERAL / FLUORO+BROMO+IODC	58062	S142b *CZ
PF2_020	2024	APAC	CHANGSHU	112021	CHLORODIFLUOROETHANE (R-142)	MINERAL / FLUORO+BROMO+IODC	58062	S142b *CZ
PF2_020	2024	APAC	CHANGSHU	130007	BISPHENOL AF	CRUDE OIL / AROMATIC	109025	BISPHENOL AF *I
PF2_020	2024	APAC	CHANGSHU	145015	MAGNESIUM STEARATE	OTHER / TAIL END RAW MATERIAL	106959	MAGNESIUM STE
PF2_020	2024	APAC	CHANGSHU	170000	OTHER COLORANT	MINERAL / METAL COMPOUND	206640	PIGM - RED 265 C
PF2_020	2024	APAC	CHANGSHU	200004	POLYETHYLENE (PE)	CRUDE OIL / ALIPHATIC / C2	109565	HDPE YGH041 *S
PF2_020	2024	APAC	CHANGSHU	200008	POLYPHENYLSULPHIDE (PPS)	OTHER / GROUP PRODUCT #	208480	NHU 3470 PPS *I
PF2_020	2024	APAC	CHANGSHU	200008	POLYPHENYLSULPHIDE (PPS)	OTHER / GROUP PRODUCT #	208482	NHU 3450 PPS *I
PF2_020	2024	APAC	CHANGSHU	200008	POLYPHENYLSULPHIDE (PPS)	OTHER / GROUP PRODUCT #	208482	NHU 3450 PPS *I
PF2_020	2024	APAC	CHANGSHU	200008	POLYPHENYLSULPHIDE (PPS)	OTHER / GROUP PRODUCT #	208483	NHU 3418 PPS *I
PF2_020	2024	APAC	CHANGSHU	200008	POLYPHENYLSULPHIDE (PPS)	OTHER / GROUP PRODUCT #	208645	NHU 3490 PPS *I
PF2_020	2024	APAC	CHANGSHU	200039	CO-POLYMER CTFE+VDF	MINERAL / FLUORO+BROMO+IODC	109026	VDF/CTFE COPOL'
PF2_020	2024	APAC	CHANGSHU	200039	CO-POLYMER CTFE+VDF	MINERAL / FLUORO+BROMO+IODC	109026	VDF/CTFE COPOL'
PF2_020	2024	APAC	CHANGSHU	212001	POLYTETRAFLUOROETHENE (PTFE	MINERAL / FLUORO+BROMO+IODC	106045	PTFE-VIRGIN GR/
PF2_020	2024	APAC	CHANGSHU	212001	POLYTETRAFLUOROETHENE (PTFE	MINERAL / FLUORO+BROMO+IODC	106045	PTFE-VIRGIN GR/
PF2_020	2024	APAC	CHANGSHU	212001	POLYTETRAFLUOROETHENE (PTFE	MINERAL / FLUORO+BROMO+IODC	106045	PTFE-VIRGIN GR/
PF2_020	2024	APAC	CHANGSHU	212001	POLYTETRAFLUOROETHENE (PTFE	MINERAL / FLUORO+BROMO+IODC	106045	PTFE-VIRGIN GR/
PF2_020	2024	APAC	CHANGSHU	212001	POLYTETRAFLUOROETHENE (PTFE	MINERAL / FLUORO+BROMO+IODC	107928	PTFE-PRESINTER
PF2_020	2024	APAC	CHANGSHU	212001	POLYTETRAFLUOROETHENE (PTFE	MINERAL / FLUORO+BROMO+IODC	109783	PTFE-VIRGIN PAS
PF2_020	2024	APAC	CHANGSHU	212001	POLYTETRAFLUOROETHENE (PTFE	MINERAL / FLUORO+BROMO+IODC	109783	PTFE-VIRGIN PAS
PF2_020	2024	APAC	CHANGSHU	212001	POLYTETRAFLUOROETHENE (PTFE	MINERAL / FLUORO+BROMO+IODC	109783	PTFE-VIRGIN PAS
PF2_020	2024	APAC	CHANGSHU	212001	POLYTETRAFLUOROETHENE (PTFE	MINERAL / FLUORO+BROMO+IODC	109783	PTFE-VIRGIN PAS
PF2_020	2024	APAC	CHANGSHU	212001	POLYTETRAFLUOROETHENE (PTFE	MINERAL / FLUORO+BROMO+IODC	109783	PTFE-VIRGIN PAS

J. Bom Balance

PRODUCT CARBON FOOTPRINT

Product List

Biogenic

Breakdown

Raw Materi...

Validation Stat...

BOM Balance Y...

Emission Chan...

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Finish Product

(All)

Plant

(All)

Site

(All)

GBU

(All)

Reference Year

2024

YoY BOM variation

-3.58

24.66

YoY BOM Balance

Finish Product	Site	Previous Year	Reference Year	YoY variation
AQUIUVION® G+ 165R/009.111 15KG BOX	CLAMECY	0.00 %	24.66 %	24.66
PPS XES000NA 020 S25 P1000	OUDENAARDE	0.00 %	3.82 %	3.82
PPS R-3-410BL L2T S25 P1000	OUDENAARDE	0.00 %	3.80 %	3.80
PK AV-651 G530 BG 355-3 S25 P1000	CHANGSHU	0.00 %	3.62 %	3.62
PPSU R-7800 BG 354-8 S25 P1000	CHANGSHU	0.00 %	3.52 %	3.52
PPSU R-7800 GY 384-1 S25 P1000	CHANGSHU	0.00 %	3.38 %	3.38
PPSU R-7800 WH 341-2 S25 P1000	CHANGSHU	0.00 %	3.38 %	3.38
CONC-BLK QA200 AROSPERSE 11W S25 P1000	KALLO-BEVEREN	0.00 %	3.31 %	3.31
CONC-BLK QA200 AROSPERSE 11W S25 P1000	KALLO-BEVEREN	0.00 %	3.31 %	3.31
PPSU R-7800 BG 354-1 S25 P1000	CHANGSHU	0.00 %	3.26 %	3.26
PPS R-4-270BL	AUGUSTA, GA	0.00 %	3.17 %	3.17
PVDF 1008/1001<S>*TA C5500 45MVS H CB8 P	TAVAUX	0.00 %	2.89 %	2.89
PVDF 6012/1001<S>*TA C5400 45MVS H CB8 P	TAVAUX	0.00 %	2.88 %	2.88
PVDF 6020/1001<S>*TA C5500 P500PEQH H	TAVAUX	0.00 %	2.86 %	2.86
PVDF 6012/1001<S>*TA Q/W	TAVAUX	0.00 %	2.86 %	2.86
PVDF 1011/0001<S>*TA C10008B P H	TAVAUX	0.00 %	2.86 %	2.86
PVDF 1010/0001<S>*TA F125CN P501	TAVAUX	0.00 %	2.85 %	2.85
PVDF 1010/0001<S>*TA F125CN P500	TAVAUX	0.00 %	2.85 %	2.85
PVDF 1015/1001<S>*TA F50CN P200PEQH H	TAVAUX	0.00 %	2.84 %	2.84

Intermediate Product Usage factor

Level	Interm. Product	Previous Year UF	Reference Year	YoY variation
1	AQUIUVION® G+ 165R/009.111 15KG BOX	0.00 %	24.66 %	24.66

Raw Material Usage Factor

Level	Raw Mat.	Previous Year	Reference Year	YoY variation
1	PEEK KT820FP CA12.5 P300	0.00 %	0.00 %	0.00
	PEEK KT-820 SFP CA12,5 P300	0.00 %	0.83 %	0.83
	POTASSIUM HYDROXIDE 25KG BAG	0.00 %	0.01 %	0.01
	POTASSIUM HYDROXIDE 30% 1300KG IBC	0.00 %	0.46 %	0.46
	SULFURIC ACID 80% 920KG IBC	0.00 %	5.42 %	5.42
	SULFURIC ACID 96% 1110KG IBC	0.00 %	17.95 %	17.95

K. Bom Balance Calculated fields

Please refer to the document:

L. Emission Changes

PRODUCT CARBON FOOTPRINT

Product L...

Biogenic

Breakdo...

Raw Materi...

Validation St...

BOM Balance...

Emission Cha...

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Finish Product

Gbu

Site

(All)

(All)

(All)

Contribution Last Year

Finish Product Name	
AERO 8231CN 1140KG 2513LB MX IBC	0.00
AERO MX-7021 BULK	1.76
AERO MX-7021 REACTOR LEVEL	1.73
BIO VANILLINE BRUTE BULK	0.00
CYFLOC HX-600 INTERMEDIATE	0.11
RHOVANIL BTR BOX 25KG / PAL 600KG	0.00
RHOVANIL US NAT - BOX 1KG	0.00
2-METHYLGUTARONITRILE (MGN) BULK	0.00
4051 X FUT METAL 180 KG	5.63
4070X 930KG IBC	4.64
?DERMALCARE MAP L 213 K 1000KG IBC	0.00
(RR) METHYL DUPHOS:BOTT:250G:NP	359.25
*FENTACARE 2231 EF 85.5KG OH PLAS DR(CN)	0.00
*O*FENTACARE DHT21 EV 75 50KG PLAS DR(CN)	0.00
*O*FENTACARE DHT21 EV 77 175KG MET DR(CN)	0.00
*O*FENTAMINE SDA001 STA001 CRUDE BULK(CN)	0.00
*OB*FENTACARE 1227 80PG 200KG PLAS DR(CN)	0.00
A 21 LA BULK	10.07

Contribution previous years by scope

Finish Product Name	Scope	Contribution Diff Last year Vs Two years	Contribution Last Year	Contribution Two Years Ago
(RR) METHYL DUPHOS:BOTT:250G:NP	Raw MAterial Transport	0.00	0.00	0.00
	Raw Materials	328.34	359.25	34.00

Contribution/Emission previous years

Finish Product Name	Intermediate Product Plant Name	Scope	Sub Scope	Scope Contributor	Unit	Contribution Diff Last year Vs Two years	Contribution Last Year	Contribution Two Years Ago	Emission Factor Last Year	Emission Factor Two Years Ago	Usage Factor Last Year	Usage Factor Two Years Ago
(RR) METHYL DUPHOS:BOTT:250G:NP	6068 Oldbury	Raw Materials --		DIETHYL ETHER 25L DRUM	KG	0.00	0.00	0.00	0.00	0.00	2.10	2.10
(RR) METHYL DUPHOS:BOTT:250G:NP	6068 Oldbury	Raw Materials --		DISTILLED TRIMETHYL PHOSPHITE	KG	0.00	0.00	0.00	0.00	0.00	7.60	7.60
(RR) METHYL DUPHOS:BOTT:250G:NP	6068 Oldbury	Raw Materials --		ETHYL ACETATE 175-180KG DR MET	KG	6.46	33.88	27.42	3.99	3.23	8.50	8.50
(RR) METHYL DUPHOS:BOTT:250G:NP	6068 Oldbury	Raw Materials --		HEXYLLITHIUM IN HEXANE 33% 276KG CY..	KG	0.00	0.00	0.00	0.00	0.00	1.70	1.70
(RR) METHYL DUPHOS:BOTT:250G:NP	6068 Oldbury	Raw Materials --		SODIUM HYPOCHLORITE 31KG DR	KG	1.54	5.03	6.57	1.62	2.12	3.10	3.10
(RR) METHYL DUPHOS:BOTT:250G:NP	6068 Oldbury	Raw Materials --		TETRAHYDROFURANE 180KG DR	KG	320.34	320.34	0.00	7.20	0.00	44.50	44.50
(RR) METHYL DUPHOS:BOTT:250G:NP	6068 Oldbury	Raw Materials --		THIONYL CHLORIDE 2.5L GLASS BOTTLE	KG	0.00	0.00	0.00	0.00	0.00	0.93	0.93

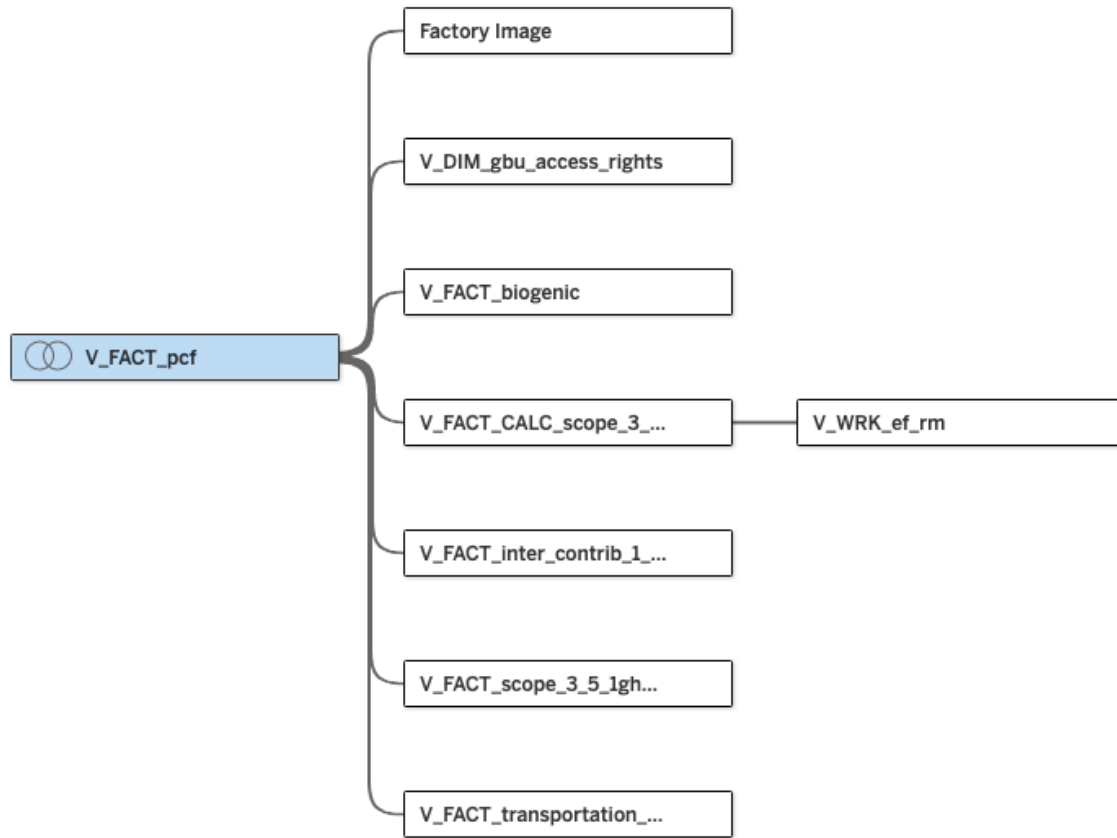
M. Emission Changes Calculated fields

Please refer to the document:

N.Attributes Dependencies - Advanced workbook

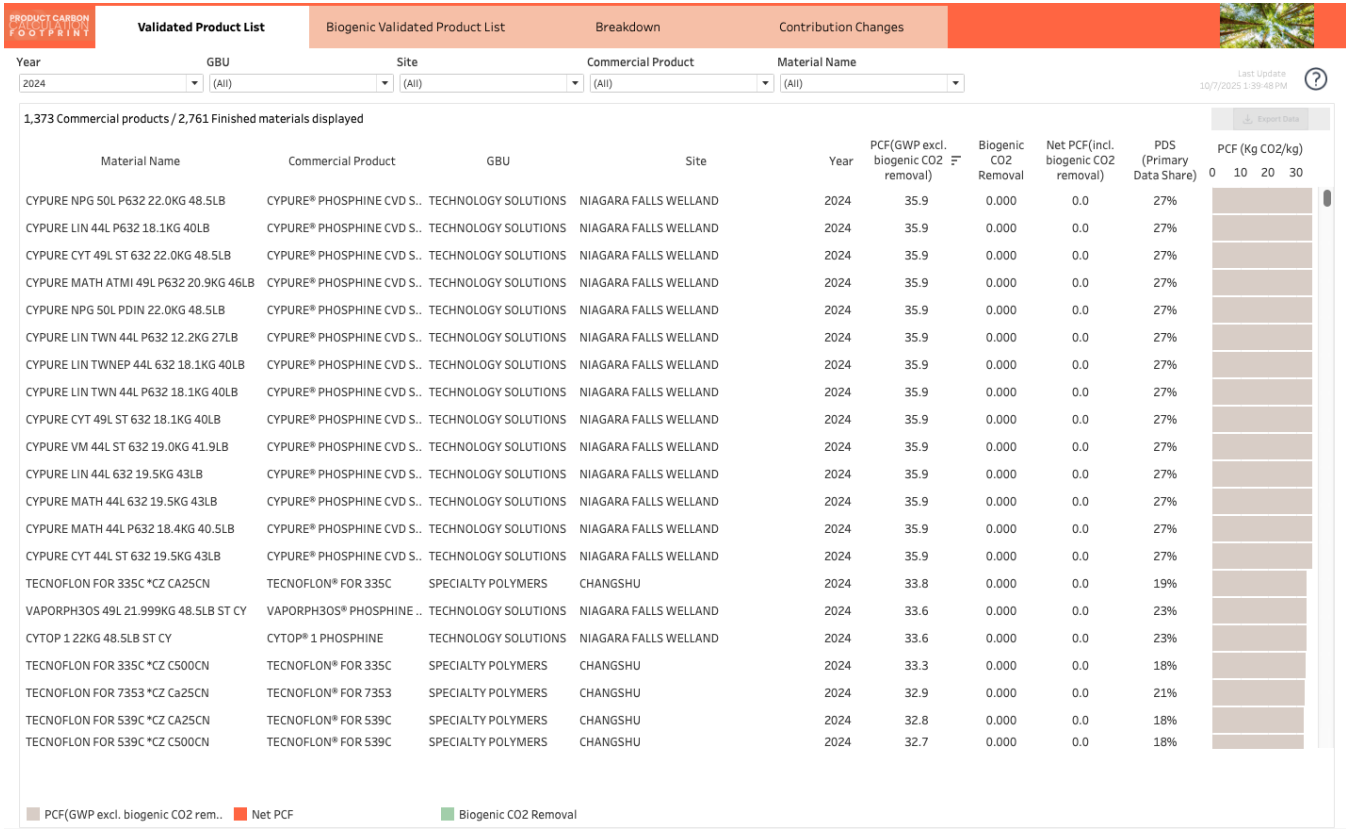
Please, download and open this document for an interactive version: [Advanced Network dependencies](#)

Fact_PCF & All Scopes prod



3. PCF - Validated Product Carbon Footprint

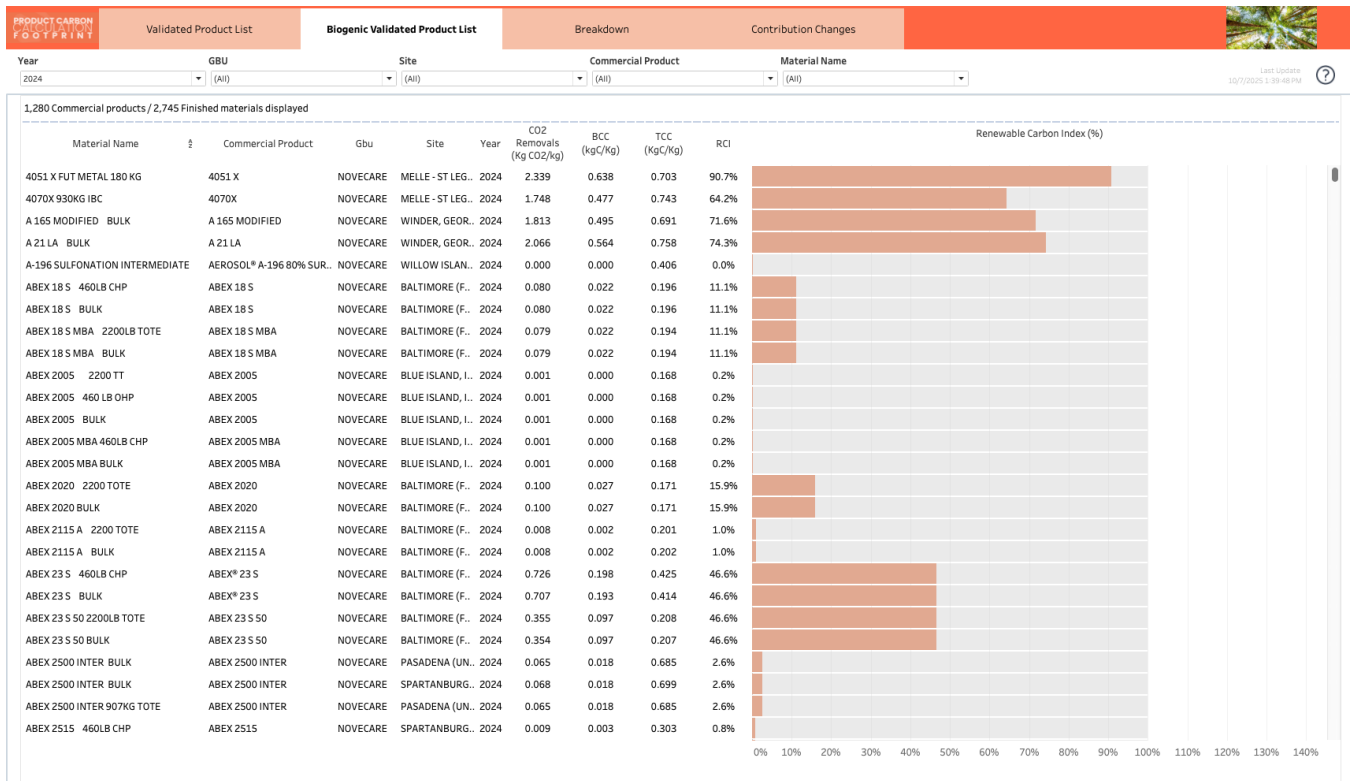
a. Validated Product list dashboard



b. Validated Product list Calculated fields

Please refer to the document:

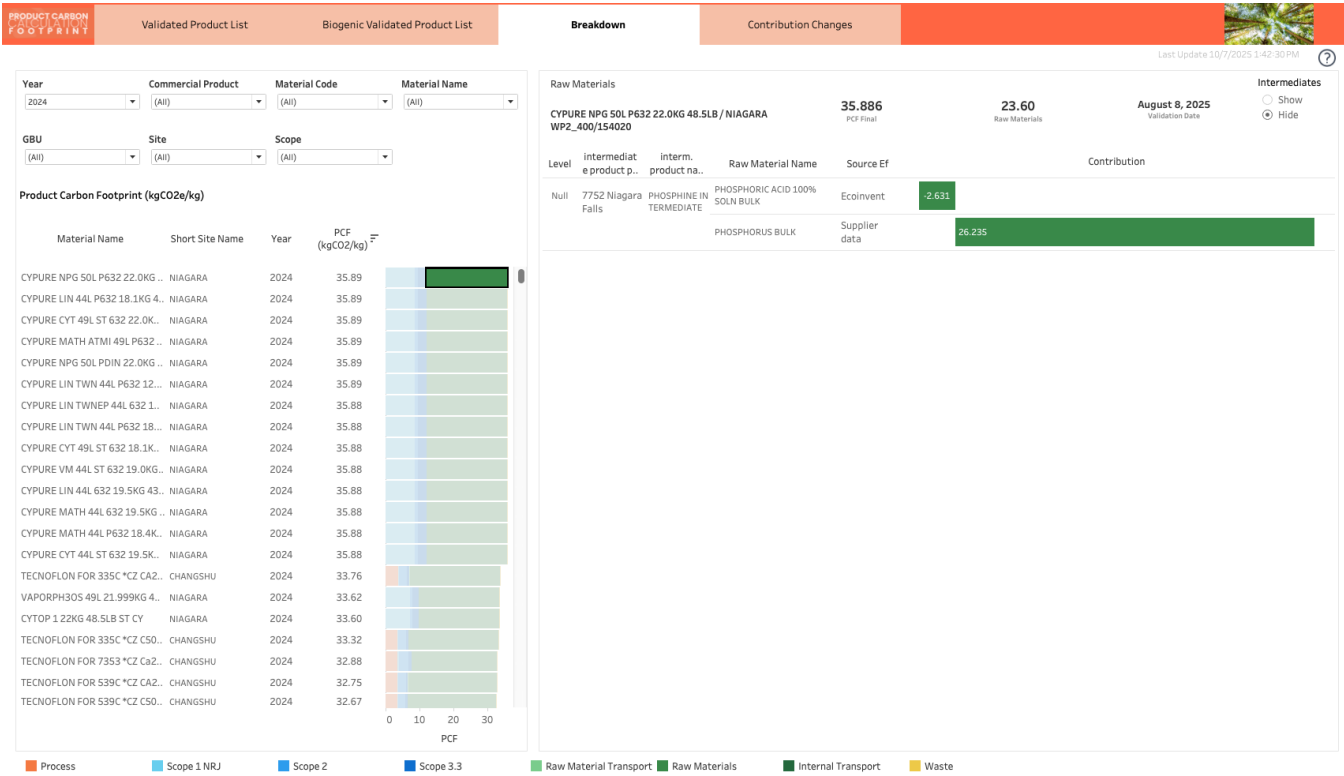
c. Biogenic Validated Product list dashboard



d. Biogenic Product list Calculated fields

Please refer to the document:

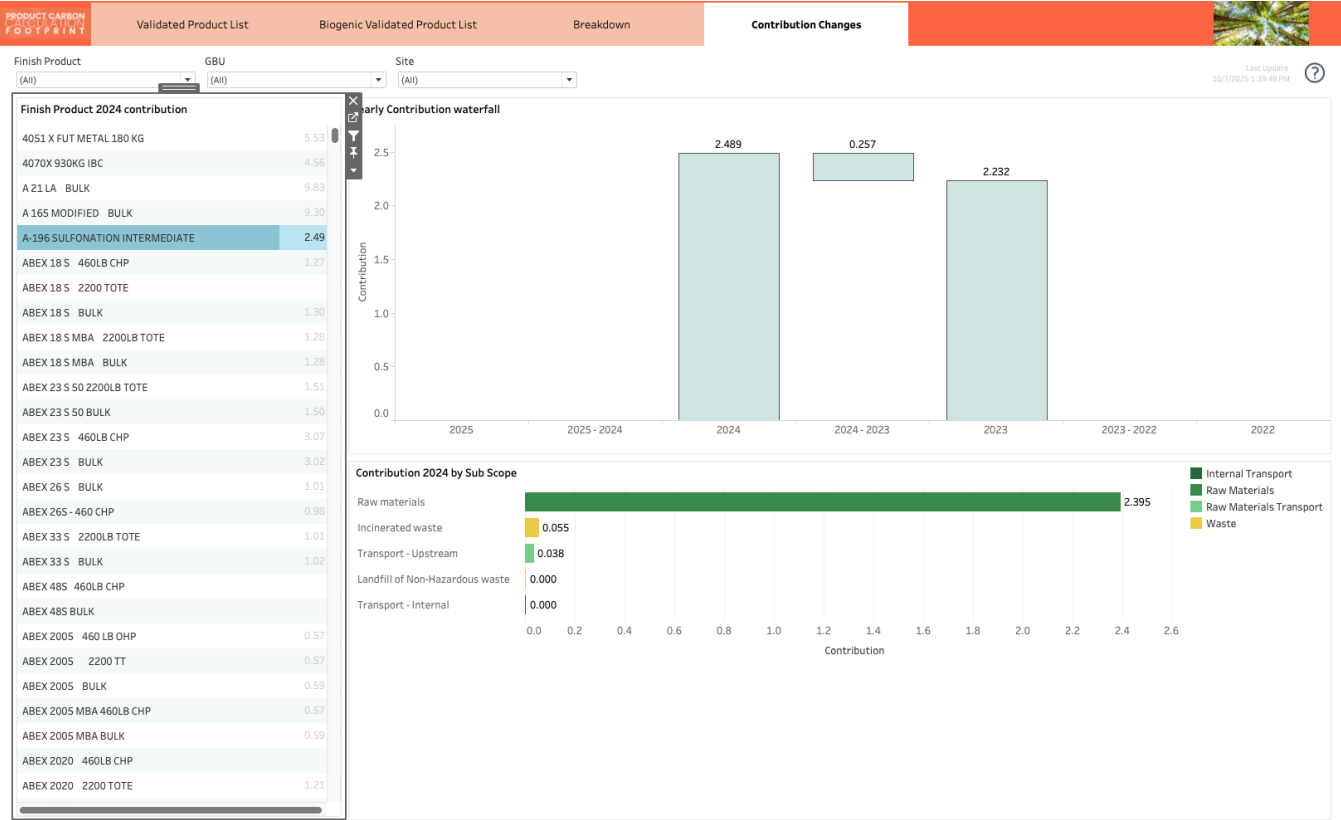
e. Breakdown dashboard



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

