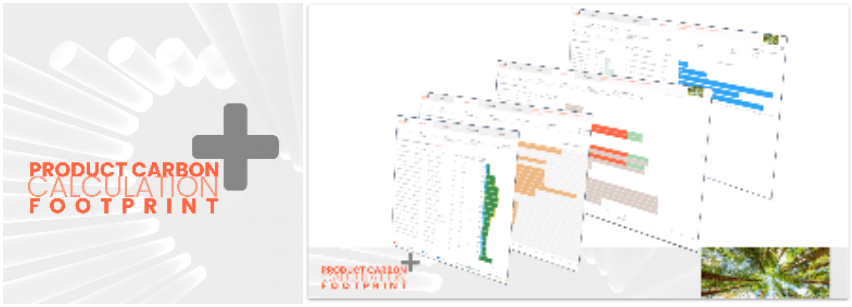
Advanced Users PCF Dashboard



Target user and access rights

- GBU sustainability champions and analysts
- PCF Process Owner
- R&I Life Cycle Analysis experts
- GBU PCF data Stewart
- GBU Digital Transformation Expert
- GBU Technology mangers
- GBU production /site managers
- GBU Strategic Marketing and marketing managers

Request access to this dashboard following this link

What is inside this dashboard :

- All Product Carbon Footprints for the GBU product portfolio
- Biogenic carbon content, Renewable carbon index, Total carbon content
- The values presented here are **the latest calculations,** even **NON VALIDATED** by the PCF process owner
- Granulometry is at lowest level : **material code** per **plant** and per **year**
- Data source verification and feeding is performed plant per plant and validation is progressive
- Details of each contribution by scope : product recipe with detailed raw materials and utilities

Training:

A training course is available on YouGrow - Digital PCF Advanced Dashboard

Refresh frequency :

Dashboard is refreshed every morning

Computations in background are performed:

Weekly

- **every Tuesday evening: validation + calculation** based on input files
- **every Thursday evening: Validation** only

Monthly every14th of each month for a full load (all sources) + validation + calculation,

Every week day at 1pm User GBU access rights table is updated

Dashboard Pages:

Dashboard Pages	Products List	Biogenic	Breakdown	Raw Materials	Validation status	BOM Balance Year over Year	Emission Changes
Description	View of all Products, and filter down per year of production, site, product groups.... then see the Carbon footprints, with the different scopes color coded per scopes (Energy, Raw materials, wastes...)	KPIs linked to biomass raw materials.	Scopes details Select any Finished product and see the breakdown by Scope (Raw material, Energy, Waste, Transport) per raw material, and see for each raw material its contribution in the Finished product footprint and emission factors.	Provides a comprehensive overview of both primary and secondary data used for corporate 3.1 reporting.	PCF and biogenic validation status. Available filters : Year, GBU, site, product group, product name	Designed to track and analyze changes in the Bill of Materials across different periods. Enables users to monitor shifts in material usage, identify trends, and pinpoint the main drivers behind any significant changes in the production process.	Provides a detailed view of how the PCF evolves over time. Enables users to analyze year-over-year changes in both quantities and emission factors for each scope contributor, offering valuable insights into the drivers behind PCF variations.

Indicators	• **Product Carbon Footprint** (in kg CO2 /kg) - Net PCF
	• **Biogenic content**
	  ◦ RCI Recycled Carbon Index (%),
	  ◦ BCC Biogenic Carbon Content (kg C /kg),
	  ◦ TCC Total Carbon Content (kg C /kg),
	  ◦ Biogenic CO2 removals (in kg CO2 /kg)
	• **Validation Status** (Pending, YES, NO) (with or without significant change since validation process)
	  ◦ for PCF value
	  ◦ for Biogenic content
	• **Quality KPis:**
	  ◦ % Raw Material Mapped with an emission factor
	  ◦ PDS Primary Data Share - TFS standard
	  ◦ DQR Data Quality Rating (from 1 very good to 3 bad) - TFS standard
		• Biogenic Carbon Content (in kg C /kg)
		• Biogenic CO2 Removals (in kg CO2 /kg)
		• Total Carbon Content (in kg C /kg)
		• Renewable Carbon Index (%)
			• Product Carbon Footprint (in kg CO2 /kg)
			• Contribution In FP for each scope (in kg CO2 /kg)
			• Emission factor / source for this emission factor
			• Quantity / Usage factor
				• Source System
				• Calendar Year
				• Company Zone Name
				• Plant Site Name
				• Material Product Code
				• Material Product Name
				• Material Value Chain Pur Name
				• Material Code
				• Material Name
				• GBU
				• Vendor Group Pur Name
				• Vendor Group Pur Name Clean
				• Vendor Country Name
				• Vendor Prs Vendor Code
				• Vendor Prs Vendor Name
				• Segment Name
				• Material Attribute
				• Qantity VKT
				• Adj Coeff Secondary
				• Ef Secondary
				• Secondary Data Source
				• Source Text
				• GHG Footprint Secondary Resources ktCO2
				• Adj Coef Supplier
				• Pcf Supplier
				• GHG Footprint with Supplier PCF ktCO2
				• Ef GHG Footprint
				• Source GHG Footprint
					• Number of Finish materials by validation status (Pending, YES, NO)
					• Number of Finish materials by validation case (validated / rejected, with or without significant change since latest validation)
						• Intermediate Product Usage Factor
						• Raw Material Usage factor
							• Scope Contributor
							• Emission Factor
							• Usage Factor

For more details:

- Products List
- Biogenic
- Advanced Breakdown

- Validation status
- Raw Materials
- BOM Balance Year over Year
- Emission Changes
- PCF Simulator