

PCF_InputFile_ef_wastes_sites

File link: (multiple sheets)

1. Purpose of the file:

This file is designed to collect and centralize the data required for calculating waste and direct emissions in the PCF tool (covering scopes 5 and 1 GHG).

There are two possible approaches:

- Waste and direct emissions can be allocated to the entire site. In this case, emissions are distributed proportionally to all intermediate products, regardless of their cost object, using mass allocation.
- Waste and direct emissions can be allocated to specific cost objects. If this approach is chosen, the relevant cost objects must be specified in the second sheet, named "cost_objects".

Both allocation methods can be applied within the same file if needed.

In all cases, emission factors must be provided in the first sheet, named "emission_factors".

To assist with waste allocation in the "cost_objects" sheet, the quantities of finished products produced within each cost object are provided in the third sheet, named "extract_spp_cost_object_quantities".

2. File Structure

2.1. List of tabs

Sheet Name	Description	Mandatory	Comment
emission_factors	This sheet is used to collect the emission factors required to calculate both waste and direct emissions. Each emission factor is specified for a unique combination of [GBU, site, year, scope, waste type, and indicator].	YES	Don't delete this sheet
cost_objects	This sheet is used to specify the allocated cost objects and their corresponding waste allocation coefficients. It is primarily intended for use with PF2 sites.	YES	Don't delete this sheet
extract_spp_cost_object_quantities	This sheet provides the quantities of finished products produced within each cost object in the SP GBU. It is an extraction generated by the PCF digital tool and is for informational purposes only. No modifications or updates are required from the user.	YES	Don't delete this sheet

2.2. Main columns description

SHEET: emission_factors

FIELD	SERF Indicator	SCOPE	Waste_Type	Emission Factor (kg CO2-eq/kg waste)	Source and Comment	Activity_Year	Site_code	Site_name
DESCRIPTION	SERF ID and description of the waste / direct emission category	PCF (Product Carbon Footprint) scope to which the waste or direct emission is attributed	Classification of the waste according to the disposal or treatment method applied (e.g., landfill, incineration, recycling)	Emission factor used to calculate greenhouse gas emissions, expressed in kg CO-equivalent per kg of waste	Reference for the emission factor (e.g., database, literature) and any relevant comments or clarifications provided by the data owner	Calendar year for which the Product Carbon Footprint is calculated	Unique site code (as assigned in SAP or other systems) identifying the site where the emissions occur	Name of the site where the emissions are generated
SAMPLE	Climate change (Kyoto GHG, CO2 excluded) - E113036A - AI	Scope_1_GHG	Other GHG gas emissions	1		2022	1386	BALTIMORE, MD
MANDATORY	YES	YES	YES	YES	NO	YES	YES	YES

SHEET: cost_objects

FIELD	Activity_Year	site_code	site	indicator	Cost_object_code	Cost_object_name	Waste_alloc_coeff
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DESCRIPTION	Calendar year for which the Product Carbon Footprint is calculated	Unique site code (as assigned in SAP or other systems) identifying the site where the emissions occur	Name of the site where the emissions are generated	SERF ID and description of the waste / direct emission category	Unique code assigned to the cost object (e.g., cost center, project, or product line) for financial tracking and allocation purposes	Name or description of the cost object associated with the waste (e.g., department, project, or product line)	Allocation coefficient representing the proportion of the total waste attributed to this cost object (expressed as a decimal)
EXAMPLE	2024	1175	CHANGSHU	HFC 125 - E12531	JP728401I0	Tecnoflon Copolymers Intermediate-Latex	0.2
MANDATORY	YES	YES	YES	YES	YES	YES	YES

SHEET: extract_spp_cost_object_quantities

FIELD	source_system	gbu	prod_year	site_code	site_name	cost_object_code	cost_object_name	finished_products_actual_quantity_kg
DESCRIPTION	Name of the system from which the data is extracted	Global Business Unit to which the data or site belongs	Calendar year for which the Product Carbon Footprint is calculated	Unique site code (as assigned in SAP or other systems) identifying the site where the emissions occur	Name of the site where the emissions are generated	Unique code assigned to the cost object (e.g., cost center, project, or product line) for financial tracking and allocation purposes	Name or description of the cost object associated with the waste (e.g., department, project, or product line)	Actual quantity (in kilograms) of finished products produced within each cost object during the specified year
EXAMPLE	PF2_020	SP	2023	1175	CHANGSHU	JP784700P0	PPS RYTON CN	2669694

3. Filling instructions

Sheet Name	Instructions
emission_factors	<ul style="list-style-type: none"> All fields are mandatory except for "Source and Comment".
cost_objects	<ul style="list-style-type: none"> All fields are mandatory. Ensure that every indicator listed in the "cost_objects" sheet has a corresponding emission factor assigned in the "emission_factors" sheet. For a given indicator within a site, each cost object may have different production volumes. If you assign the same allocation coefficient to all cost objects, this will result in different emission factors per kilogram of product for each cost object. <p>If you want to apply a mass allocation method (so that all cost objects have the same emission factor per kilogram), you can use the "extract_spp_cost_object_quantities" sheet to obtain the quantities of finished products produced by each cost object. This information will help you calculate the correct waste allocation coefficients.</p>
extract_spp_cost_object_quantities	<ul style="list-style-type: none"> This sheet is for informational purposes only. No modifications or updates are required from the user.

4. Maintenance best practices

Please comply with the following instructions to maintain the file:

- Always keep the original structure (do not add/remove columns without approval).
- Update only the necessary fields.
- Save a backup copy before any major changes.
- Respect data confidentiality.

5. Contact Points

File owner	Hubert Sizaret
Technical Support	Camille Faure Laëtitia Arantes

For any questions or issues, please contact the responsible person listed above.
Please strictly follow these guidelines to ensure data quality and reliability.
