

# Architecture

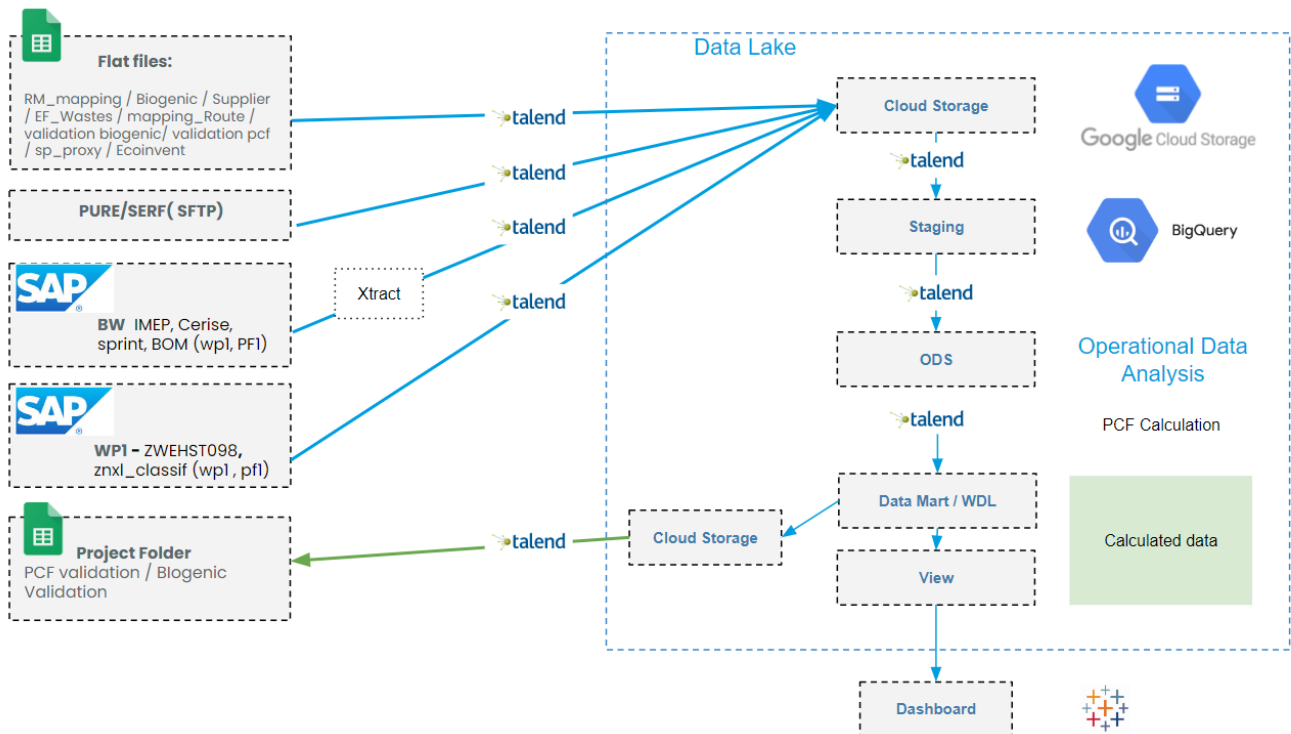
See [architecture Impact Assesment](#)

## Data Architecture Design documents:

- **Data Architecture Blueprint :**

1. This document shows the architecture design for PCF
2. On the left side it denotes the sources used for PCF, it has mainly SAP ECC, BW, Gsheet, PURE, Ecoinvent ( External file)
3. All these sources are extracting using the Talend to google cloud storage and then data has been sent to staging area to perform then to ODS to Data mart and Views,
4. In final step the it is connected to dashboard in Tableau

## Data Architecture - PCF



- **Data Model :**

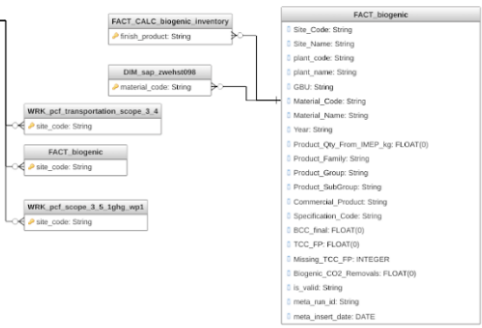
This table shows the datamodel of PCF 8 consist of facts and dimensions

Facts :

- Product\_Qty\_From\_IJMEP
- Value
- PCF\_Final
- pcf\_prodom
- value\_prodom
- pds\_scope
- stg\_scope
- pdt\_lp
- dtg\_lp
- dtg\_cp
- net\_co2\_footprint\_cp

Dimensions :

- Site\_Code
- Site\_Name
- plant\_code
- plant\_name
- GBU
- Material\_code
- Material\_Name
- Year
- Scope
- Energy\_Type
- Product\_Family
- Product\_Group
- Product\_SubGroup
- Commercial\_Product



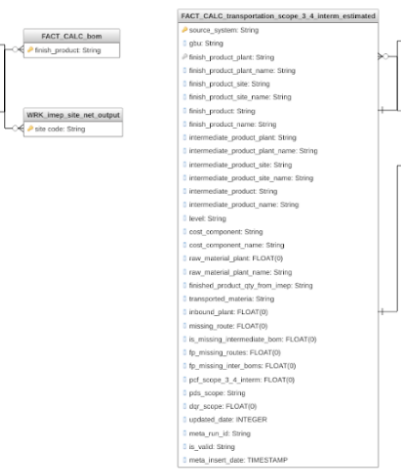
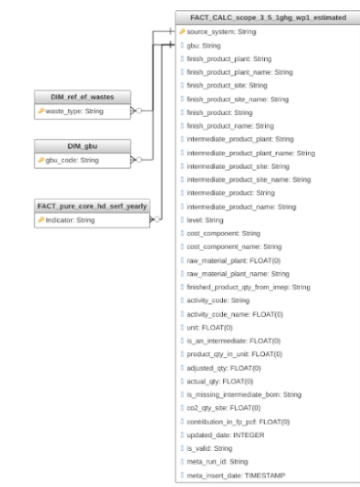
This table shows the datamodel of PCF 8 consist of facts and dimensions

Facts :

- Product\_QTY\_From\_IJMEP
- BCC\_Final
- Missing\_TCC\_FP
- Biogenic\_CO2\_Removals
- TCC\_FP

Dimensions :

- Site\_Code
- Site\_Name
- GBU
- Material\_code
- Material\_Name
- Year
- Scope
- Energy\_Type
- Product\_Family
- Product\_Group
- Product\_SubGroup
- Commercial\_Product
- Specification\_Code



- ## Data Knowledge Document

[Data knowledge document](#) represents the architectural artifacts, it contains information on source info, CRUD objects etc, below are the list of tabs and information present in the tabs:

- a. Source Extraction & scheduling info : In this tab , there is information about sources ,filters and scheduling used in the project
- b. Data mapping : All the rules used to create the DM\_V2, WDL tables
- c. Datalineage\_V2 : In this tab There is information on the data model and talend jobs used to create it
- d. Data Architecture diagram : It has data architecture diagram of project
- e. Data model : Data model diagram
- f. Data governance : This tab represent the data governance information , it has been used by data governance team
- g. Grain for tables : Keys of all the tables
- h. Links : This tab has links on the information of the data rules, specification rules for creation of tables and BW query etc