

# BW OTC - SPM /\ Obsolete /\



The new wiki link for this data flow is here:

[Technical Documentation - Sustainable portfolio management \(SPM\)](#)

Please update the doc there and no longer here.



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## General presentation

### Objective of the application

SPM stands for "**Sustainability Portfolio Management**". It's a Solvay proprietary approach to assess business sustainability risks and opportunities that runs on PF7.

The objective of **SPM reporting in BW** is to provide a "Sustainability view" (Market Alignment, Operations Vulnerability) for the sales of the group.

Sales are extracted from P&L in WBP and then enhanced with an SPM dimension, through a sequence of steps (lookup in mapping tables).

SPM Master Data (SPM Product, SPM Application) is loaded from PF7.

Final report is in QlikView dashboards.

### List of contacts

- Functional Owner: **Jean-Francois Goupillier** (previously **Marc Piret**)
- IS Reporting Leader: Diogo Paiva (IS Supply Chain M&S Data)
- BW Developer: Laressa Moretti (SBS IS)

## Usage information

## History

2017 - First development covering most of the GBUs (pilot: Aroma and Special Chem)

link to the project folder: <https://drive.google.com/drive/folders/0BxkySrtHryoBejV1VG5CbmNwM3c>

2018 - Extension for GBU Specialty Polymers and Composite Materials

link to the project folder: <https://drive.google.com/drive/folders/18bJbaF-EfKSDfYl5X1uWe25xiwa99CIU>

### June/2021 - Project SPM Improvements (will be detailed hereafter)

User documentation:

<https://docs.google.com/presentation/d/1CwoaT-wgde7CVazHWES1HsKtRuyxxK8w95ir1SG3zFo>

## Roles & Access

### Roles and access

List of application role + menu role and explanation if we have several applications role with specials rules.

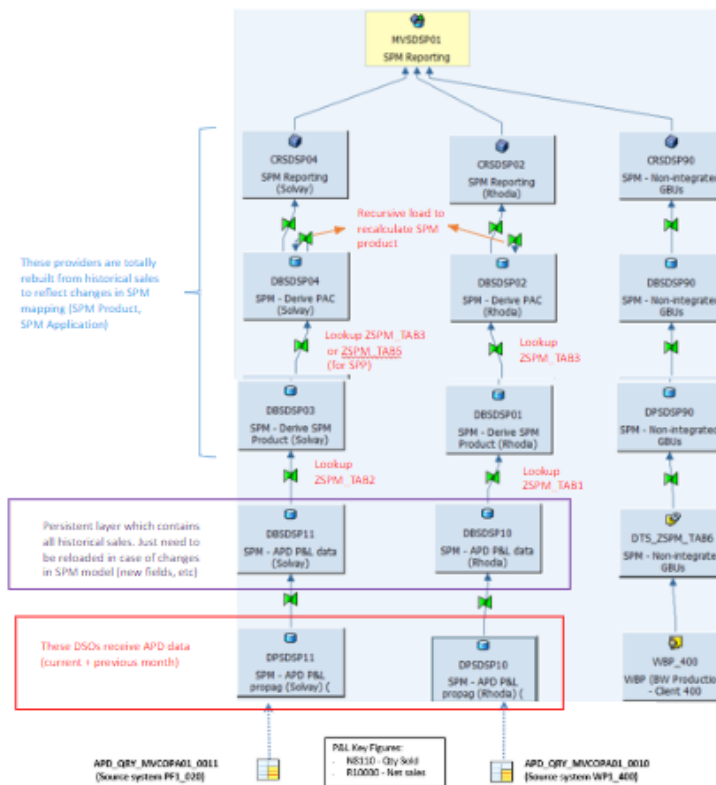
| Role Code       | Role Description                                 | Explanation                   |
|-----------------|--------------------------------------------------|-------------------------------|
| ZBI_RCS_SPM_A01 | Sustainable Portfolio Management - End User Role | Role for the application      |
| ZR_RCS_CA_M58   | SPM - Sustainable Portfolio Management           | Role menu for the application |
|                 |                                                  |                               |

### Authorization objects

List of authorization objects mandatory for the application.

| Authorization object | Explanation |
|----------------------|-------------|
| CPFCTR1_2            | GBU         |
|                      |             |
|                      |             |

## Dataflow overview



The InfoArea where SPM is located is IA\_SD\_SPM.

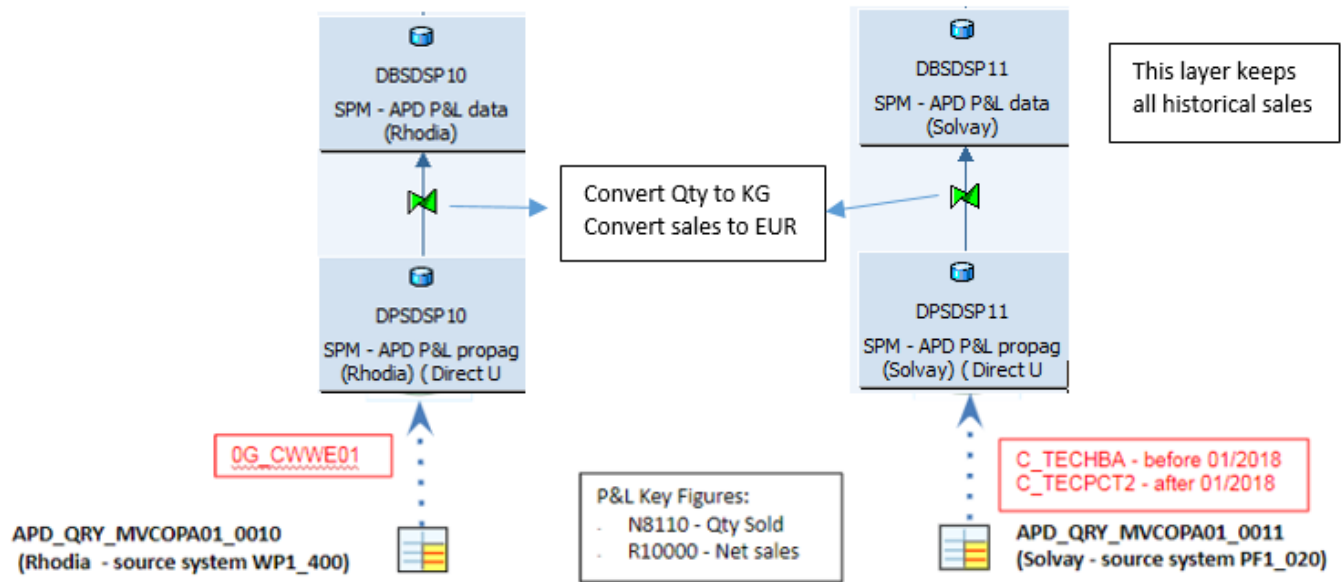
There is one MultiProvider named MVSDSP01.

|                                           |                     |
|-------------------------------------------|---------------------|
| ▼  SPM - Sustainable Portfolio Management | IA_SD_SPM           |
| ▶  SPM - Master Data Layer                | IA_SD_SPM_MD        |
| ▶  SPM - Propagation Layer                | IA_SD_SPM_PROP      |
| ▶  SPM - Business Transformation Layer    | IA_SD_SPM_BUSINESS  |
| ▶  SPM - Reporting Layer                  | IA_SD_SPM_REPORTING |
| ▼  SPM - Virtual Layer                    | IA_SD_SPM_VIRTUAL   |
| ▼  SPM Reporting                          | MVSDSP01            |
| ▶  SPM - Non-integrated GBUs              | CRSDSP90            |
| ▶  SPM Reporting (Rhodia)                 | CRSDSP02            |
| ▶  SPM Reporting (Solvay)                 | CRSDSP04            |

## Functional and Technical rules on Workbench + Reporting Rules & Explanations

### Acquisition of data

Sales data is loaded from P&L using APDs.



The APDs load current + previous month into Direct Update DSOs, then it goes to the next level DSOs, which keep all historical sales (allowing a complete recalculation of SPM data every day).

The Sub-Activity field (0G\_CWWE01) is very important to define the GBU and Group of Activities.

From Rhodia query, it gets directly field C\_TECMAT-0G\_CWWE01 (normally IECRAxxx)

From Solvay query, (due to PQ1 decommission and SpS projects), it gets from different fields depending on the month being loaded. It takes C\_TECHBA (old object from PQ1) if month < 01/2018 (kept for reloading purposes) and from C\_TECPC2 if month >= 01/2018. In any case, it takes the attribute C\_REST\_BA (Restated BA) and move to 0G\_CWWE01 (single object in the query for both legacies).

Example:

| Calendar Year/Month | Source System | Material | Plant | Company code | Currency  | Un Qty invoice | Technical Business A | Tech. Profit Ctr 2   | N8110 - Qty Sold | R10000 - Net sales |
|---------------------|---------------|----------|-------|--------------|-----------|----------------|----------------------|----------------------|------------------|--------------------|
| 12.2017             | PF1_020       | 60102    | 51XB  | 4290         | US Dollar | US pound       | F25MKXXXU2429051XB   | #/CHEF/#             | 2.311.420        | 320.478,51         |
| 01.2018             | PF1_020       | 60102    | 51XB  | 4290         | US Dollar | US pound       | #                    | 7250/CHEF/F25MKXXXU2 | 853.540          | 119.115,77         |

if month < 01.2018 - use C\_TECHBA  
if month >= 01.2018 - use C\_TECPC2

**Data Browser: Table /BIC/PC\_TECHBA:**

|                    |         |          |                |
|--------------------|---------|----------|----------------|
| /BIC/C_TECHBA      | OBJVERS | CHANG... | /BIC/C_REST_BA |
| F25MKXXXU2429051XB | A       |          | 7250           |

**Data Browser: Table /BIC/PC\_TECPC2: 1 of 1 Hits**

|         |                |              |          |         |               |         |                |
|---------|----------------|--------------|----------|---------|---------------|---------|----------------|
| LOGSYS  | /BIC/C_COMP... | /BIC/C_PLANT | BUS_AREA | CO_AREA | /BIC/C_TECPC2 | OBJVERS | /BIC/C_REST_BA |
| PF1_020 | 4290           | 51XB         | 7250     | CHEF    | F25MKXXXU2    | A       | 7250           |

List of APDs:

| APD         |                                            | Source (Query)        | (Target) DSO |
|-------------|--------------------------------------------|-----------------------|--------------|
| APD_PL_0010 | SPM - APD P&L (Rhodia) - curr + prev month | APD_QRY_MVCOPA01_0010 | DPSPDSP10    |
| APD_PL_0011 | SPM - APD P&L (Solvay) - curr + prev month | APD_QRY_MVCOPA01_0011 | DPSPDSP11    |
| APD_PL_0020 | SPM - APD P&L (Rhodia) - any period        | APD_QRY_MVCOPA01_0020 | DPSPDSP10    |
| APD_PL_0021 | SPM - APD P&L (Solvay) - any period        | APD_QRY_MVCOPA01_0021 | DPSPDSP11    |

(The last 2 APDs are not scheduled on a regular basis. They were created for reloading purpose, allowing to inform the period to be loaded in the query variant).

## Transformation of data (Derivation of SPM characteristics)

Some mapping tables were created in WBP with maintenance views (restricted to very few users).

The access is done via transaction ZSPM in WBP.

**SPM - Load Customizing Tables**

Choose customizing table

|                                                                |   |           |
|----------------------------------------------------------------|---|-----------|
| <input checked="" type="radio"/> SPM Product for ex-Rhodia ERP | ← | ZSPM_TAB1 |
| <input type="radio"/> SPM Product for ex-Solvay ERP            | ← | ZSPM_TAB2 |
| <input type="radio"/> SPM Applications                         | ← | ZSPM_TAB3 |
| <input type="radio"/> SPM End-Use to Market (SPP)              | ← | ZSPM_TAB4 |
| <input type="radio"/> SPM Applications (SPP)                   | ← | ZSPM_TAB5 |
| <input type="radio"/> SPM Non-integrated GBUs                  | ← | ZSPM_TAB6 |

Update on June/2021

- Tables ZSPM\_TAB4 and ZSPM\_TAB5 became obsolete and were removed from this menu
- Authority check based on GBU was implemented to display/edit data
- New transaction for mass upload was created

**SPM - Load Customizing Tables**

Choose customizing table

|                                                                |
|----------------------------------------------------------------|
| <input checked="" type="radio"/> SPM Product for ex-Rhodia ERP |
| <input type="radio"/> SPM Product for ex-Solvay ERP            |
| <input type="radio"/> SPM Applications                         |
| <input type="radio"/> SPM Non-integrated GBUs                  |
| <input type="radio"/> SPM Mass upload                          |

**Mass upload of SPM data**

User manual

User guide Template

Choose GBU

GBU (mandatory)

Choose the type of data

☒ SPM Product (Rhodia)

☐ SPM Product (Solvay)

☐ SPM Applications

☐ Non-integrated GBUs

Choose the file to load

Upload Filename

Preview Load file

There are basically 3 steps:

1) Derive SPM product

For Rhodia Legacy - based on GBU / Group of Activities / Sub-Activity / Product Line 2 / Product Line 0 / Commercial Product

For Solvay Legacy - based on GBU / Group of Activities / Sub-Activity / PIF hierarchy / Product hierarchy / Material Group

Example:

| GBU               | Group of Activity | Sub Activity         | RCS : Line 2<br>PF1 : PIF Hierarchy | RCS : Line 0<br>PF1 : Mat Product Hierarchy | RCS : Coml Product<br>PF1 : Mat Group | SPM Product Code |
|-------------------|-------------------|----------------------|-------------------------------------|---------------------------------------------|---------------------------------------|------------------|
| Aroma Performance | B.U. Diphenol     | Inhibitors Solutions | PMP                                 | PMP MOLTEN                                  | *                                     | 764              |

How it's stored in mapping table

Maint.view ZSPM\_V1

| SPM Product (Rhodia) |                   |        |               |            |                      |            |              |            |              |                                   |
|----------------------|-------------------|--------|---------------|------------|----------------------|------------|--------------|------------|--------------|-----------------------------------|
| BFC...               | GBU name          | BFC BU | BU name       | Sub-actvi  | Sub-actv name        | Line 02    | Line 02 name | Line 00    | Line 00 name | P.P. SPM Product SPM Product name |
| PA                   | AROMA PERFORMA... |        | B.U. DIPHENOL | IECRA01045 | INHIBITORS SOLUTIONS |            |              |            |              | 437 Z_Other (Aroma Perfo          |
| PA                   | AROMA PERFORMA... | PADIP  | B.U. DIPHENOL | IECRA01045 | INHIBITORS SOLUTIONS | LIP0201198 | TBC          |            |              | 437 Z_Other (Aroma Perfo          |
| PA                   | AROMA PERFORMA... | PADIP  | B.U. DIPHENOL | IECRA01045 | INHIBITORS SOLUTIONS | LIP0202114 | HYDROQUINONE |            |              | 499 TBC                           |
| PA                   | AROMA PERFORMA... | PADIP  | B.U. DIPHENOL | IECRA01045 | INHIBITORS SOLUTIONS | LIP0202114 | HYDROQUINONE |            |              | 498 Hydroquinone                  |
| PA                   | AROMA PERFORMA... | PADIP  | B.U. DIPHENOL | IECRA01045 | INHIBITORS SOLUTIONS | LIP0202954 | PMP          |            |              | 500 PMP                           |
| PA                   | AROMA PERFORMA... | PADIP  | B.U. DIPHENOL | IECRA01045 | INHIBITORS SOLUTIONS | LIP0202954 | PMP          | LIP0020367 | PMP MOLTEN   | 764 PMP Molten                    |

Table ZSPM\_TAB1

| Data Browser: Table ZSPM_TAB1: 31 of 31 Hits |           |           |            |            |            |        |          |
|----------------------------------------------|-----------|-----------|------------|------------|------------|--------|----------|
| Check Table...                               |           |           |            |            |            |        |          |
| MANDT                                        | CPFCTR1_2 | CPFCTR2_2 | G_CVWE01   | C_LIP02    | C_LPROD    | C_PROD | C_SPMPRO |
| 400                                          | PA        |           |            |            |            |        | 00437    |
| 400                                          | PA        | PADIP     | IECRA01045 |            |            |        | 00437    |
| 400                                          | PA        | PADIP     | IECRA01045 | LIP0201198 |            |        | 00499    |
| 400                                          | PA        | PADIP     | IECRA01045 | LIP0202114 |            |        | 00498    |
| 400                                          | PA        | PADIP     | IECRA01045 | LIP0202954 |            |        | 00500    |
| 400                                          | PA        | PADIP     | IECRA01045 | LIP0202954 | LIP0020367 |        | 00764    |
| 400                                          | PA        | PADIP     | IECRA01045 | LIP0210179 |            |        | 00988    |

How the derivation is done from a sales record

## Source data (P&L query)

|               |          |               |                     |              | N8110 - Qty Sold | R10000 - Net sales |
|---------------|----------|---------------|---------------------|--------------|------------------|--------------------|
| Source System | Material | Ship-to party | Calendar Year/Month | Sub-activity | KG               | EUR                |
| WP1_400       | 11451    | 59517         | 01.2016             | IECRA01045   | 12.020           | 96.761,00          |

## Data Browser: Table /BIO/PW\_CWWE01:

|            |                |                |
|------------|----------------|----------------|
| G_CWWE01   | /BIC/CPFCTR1_2 | /BIC/CPFCTR2_2 |
| IECRA01045 | PA             | PADIP          |

## Data Browser: Table /BIC/PC\_MATNR2: 1 of 1 Hits

|         |               |         |             |              |              |
|---------|---------------|---------|-------------|--------------|--------------|
| LOGSYS  | /BIC/C_MATNR2 | OBJVERS | /BIC/C_PROD | /BIC/C_LPROD | /BIC/C_LIP02 |
| WP1_400 | 11451         | A       | 90001717    | LIP0020367   | LIP0202954   |

Derive SPM Product

**Important:** the lookup in the mapping tables is done from the most specific case (complete key) to the most generic case, so for example, when reading ZSPM\_TAB1 to get SPM product, it does the following:

1. Search with complete key = GBU + Group of act + Sub-act + Line 2 + Line 0 + Com.prod
2. If not found, search with GBU + Group of act + Sub-act + Line 2 + Line 0 + Com.prod = space
3. If not found, search with GBU + Group of act + Sub-act + Line 2 + Line 0 = space + Com.prod = space
4. and so on ... until the search is done only with GBU + Group of act.

Update on June/2021 -

The SPM product can now be defined by informing directly GBU + com.prod (in ZSPM\_TAB1) or GBU + mat.group (in ZSPM\_TAB2)

## 2) Derive SPM PAC (Application)

For both legacies, based on SPM product obtained in step 1 + End-Use fields (Market, Application, Segment, End-Use)

Example:

| Key | Key            | Key              | GBR END USE | GBR END USE             | GBR END USE       | GBR END USE | Key     | key       | ENTRY                     |
|-----|----------------|------------------|-------------|-------------------------|-------------------|-------------|---------|-----------|---------------------------|
| GBU | SPM Product    | SPM Product Name | Market      | Segment                 | Application       | End Use     | Ship-to | Bus Yea % | SPM PAC Code SPM PAC Name |
| 7   | Aroma Performa | 764              | PMP Molten  | Industrial Applications | Chemical Industry | Monomers    | *       | *         | 100 2075 PMP Molten       |

How it's stored in mapping table

## Maint.view ZSPM\_V3

| SPM PAC (Rhodia)     |        |             |             |                         |              |                   |            |            |              |      |        |         |         |
|----------------------|--------|-------------|-------------|-------------------------|--------------|-------------------|------------|------------|--------------|------|--------|---------|---------|
| B... GBU name        | SPM... | SPM Prod... | Market code | Market name             | Segment c... | Segment name      | Appl. code | Appl. name | End use code | E... | Cus... | C.. Y.. | SPM PAC |
| PA AROMA PERFORMANCE | 764    | PMP Moken   | COMAR00010  | INDUSTRIAL APPLICATIONS | COSEG00045   | CHEMICAL INDUSTRY | COAPP00160 | MONOMERS   |              |      |        | 0       | 2075    |
|                      |        |             |             |                         |              |                   |            |            |              |      |        |         | 100,000 |

## Table ZSPM\_TAB3

| Data Browser: Table ZSPM_TAB3: 3 of 3 Hits |           |          |            |            |            |                |        |         |          |         |
|--------------------------------------------|-----------|----------|------------|------------|------------|----------------|--------|---------|----------|---------|
|                                            |           |          |            |            |            |                |        |         |          |         |
| MANDT                                      | CPFCTR1_2 | C_SPMPRO | C_GBR2     | C_GBR3     | C_GBR1     | C_GBR4         | C_GBR5 | CALYEAR | C_SPMPAC | K_PERC  |
| 400                                        | PA        | 764      |            |            |            |                |        |         | 2822     | 100,000 |
| 400                                        | PA        | 764      | COMAR00010 | COSEG00045 | COAPP00160 |                |        |         | 2075     | 100,000 |
| 400                                        | PA        | 764      | COMAR00011 | COSEG00032 | COAPP00065 | ENDUSEGPA00637 |        |         | 2821     | 100,000 |

How the derivation is done from a sales record

## Source data (P&L query)

|               |          |               |                     |              | N8110 - Qty Sold | R10000 - Net sales |
|---------------|----------|---------------|---------------------|--------------|------------------|--------------------|
| Source System | Material | Ship-to party | Calendar Year/Month | Sub-activity | KG               | EUR                |
| WP1_400       | 11451    | 59517         | 01.2016             | IECRA01045   | 12.020           | 96.761,00          |

| Data Browser: Table /BIC/PC_GBR14: 4 of 4 Hits |             |                |              |         |         |             |             |             |                |
|------------------------------------------------|-------------|----------------|--------------|---------|---------|-------------|-------------|-------------|----------------|
|                                                |             |                |              |         |         |             |             |             |                |
| LOGSYS                                         | /BIC/C_PROD | /BIC/CPFCTR1_2 | /BIC/C_GBR14 | OBJVERS | CHANGED | /BIC/C_GBR1 | /BIC/C_GBR2 | /BIC/C_GBR3 | /BIC/C_GBR4    |
| WP1_400                                        | 90001658    | PA             | 59517        | A       |         | COAPP00160  | COMAR00010  | COSEG00045  | ENDUSEGPA00640 |
| WP1_400                                        | 90001716    | PA             | 59517        | A       |         | COAPP00160  | COMAR00010  | COSEG00045  | ENDUSEGPA00621 |
| WP1_400                                        | 90001717    | PA             | 59517        | A       |         | COAPP00160  | COMAR00010  | COSEG00045  | ENDUSEGPA00621 |
| WP1_400                                        | 90066857    | PA             | 59517        | A       |         | COAPP00160  | COMAR00010  | COSEG00045  | ENDUSEGPA00640 |

**+ SPM Product from step 1 → Derive SPM PAC**

Update on June/2021 -

In order to assign SPM PAC, the user can inform directly the End-Use, without having to inform Market / Application / Segment in table ZSPM\_TAB3.

C\_GBR14 was replaced by the new C\_GBR34.

## Multiple PACs

We can have multiple PACs assigned to the same combination of GBU + SPM prod + End-Use. In that case, the percentage field will define the split to be done among several PACs, so the routine takes into account this percentage in order to allocate the sales.

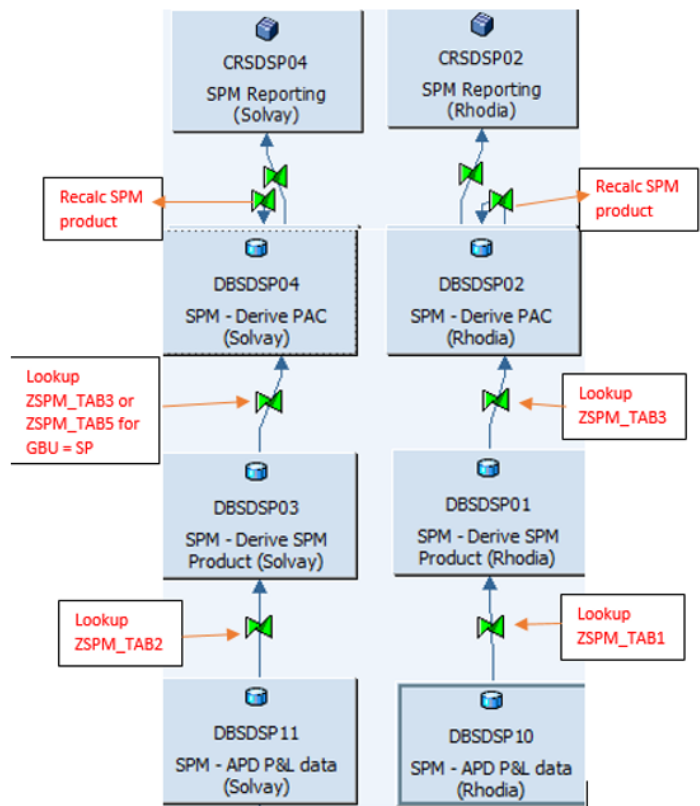
## 3) Recalculate SPM product



There are some cases, (for example in Novacare for Agro with "Formulations & Blends" ), that we must **overwrite the SPM product derived in step 1** with the SPM product obtained directly from SPM PAC master data, because it splits in 3 different PACs in table 3, with a different product assigned to each PAC.

So this "recalculation" was implemented in a **recursive transformation** into DSOs DBSDSP02 (Rhodia) and DBSDSP04 (Solvay).

In terms of the data flow, this is where these lookups are implemented



List of SPM mapping tables

| Table     | View    | Description                 | Comment                                         |
|-----------|---------|-----------------------------|-------------------------------------------------|
| ZSPM_TAB1 | ZSPM_V1 | SPM Product (Rhodia)        |                                                 |
| ZSPM_TAB2 | ZSPM_V2 | SPM Product (Solvay)        |                                                 |
| ZSPM_TAB3 | ZSPM_V3 | SPM Applications            |                                                 |
| ZSPM_TAB4 | ZSPM_V4 | SPM End-Use to Market (SPP) | Specific to GBU Specialty Polymers              |
| ZSPM_TAB5 | ZSPM_V5 | SPM Applications (SPP)      | Specific to GBU Specialty Polymers              |
| ZSPM_TAB6 | ZSPM_V6 | SPM Non-integrated GBUs     | Only for GBUs where sales doesn't come from P&L |

Update on June/2021:

The specific objects developed for SpP described below were decomissioned as SpP started to use the Corporate End-Use in GBR.

Special case 1 - GBU Specialty Polymers

For GBU Specialty Polymers, sales figures are loaded normally from P&L (sales in PF1) and the derivation of SPM product (step 1) follows the normal SPM flow.

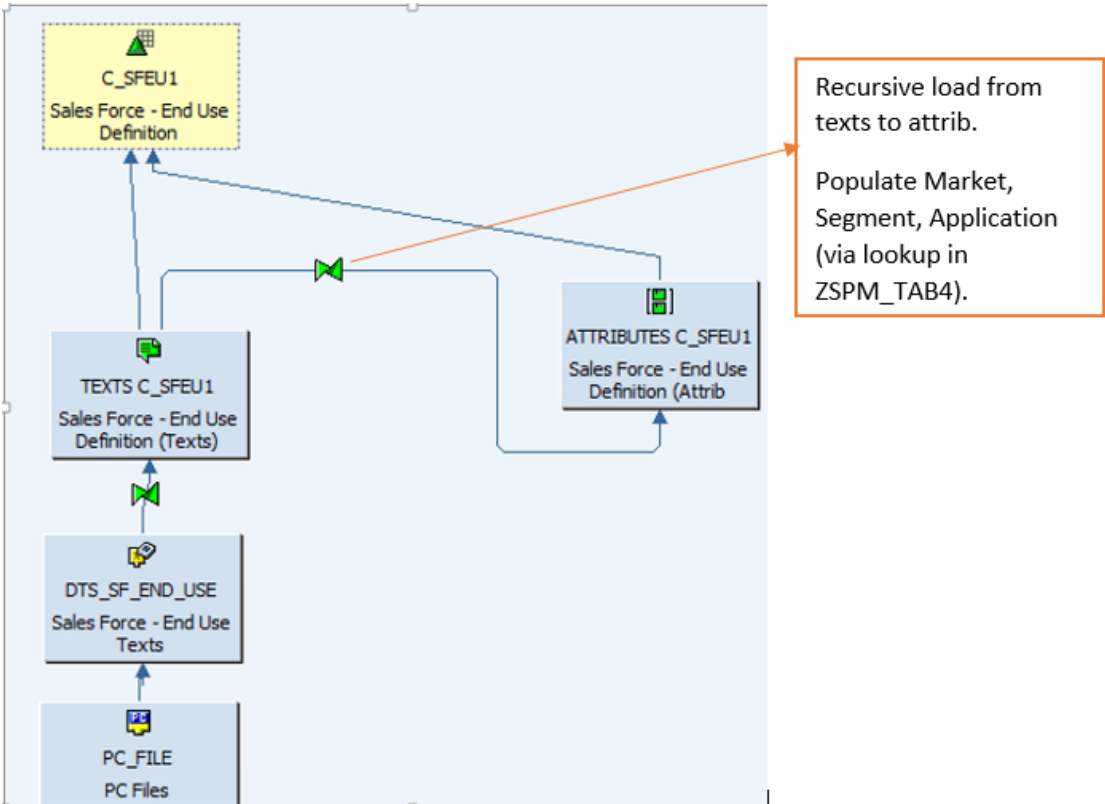
The only difference is in the PAC derivation (step 2) since **Specialty Polymers doesn't use the "Corporate End-Use" (C\_GBR14).**

They maintain their own End-Use information in Sales Force, so some new objects were created in BW to load this data from Sales Force.

New InfoObjects

|                                    |         |
|------------------------------------|---------|
| ▶ Sales Force - End Use Definition | C_SFEU1 |
| ▶ Sales Force - End-Use (Sold-to)  | C_SFEU2 |

C\_SFEU1 is loaded with the existing End-Use values in Salesforce (code + text) from an excel file



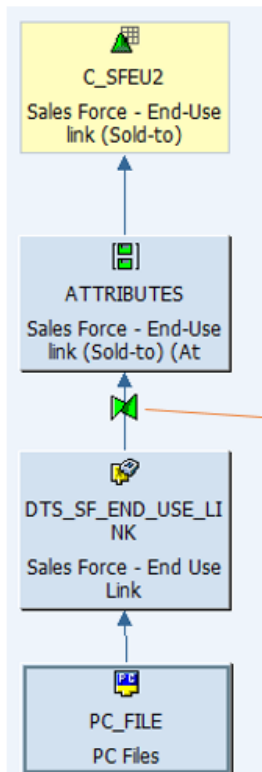
And then updated with attributes below, which are maintained in WBP in table ZSPM\_TAB4.

| SPM End-Use to Market (SPP) |                         |            |                         |            |                                  |             |                     |
|-----------------------------|-------------------------|------------|-------------------------|------------|----------------------------------|-------------|---------------------|
| SF End Use                  | Medium description      | Market     | Long description        | Segment    | Long description                 | Application | Long description    |
| ABA                         | AUTO - BATTERIES        | COMAR00012 | AUTOMOTIVE              | COSEG00002 | ELECTRIFICATION                  | COAPP00002  | BATTERY SYSTEMS     |
| ACH                         | CH - AUTO COMPOUNDER    | COMAR00012 | AUTOMOTIVE              | COSEG00034 | POWERTRAIN EFFICIENCY            | COAPP00137  | TRANSMISSION PARTS  |
| ADD                         | IM - ADDITIVES          | COMAR00010 | INDUSTRIAL APPLICATIONS | COSEG00018 | INDUSTRIAL & PROTECTIVE COATINGS | COAPP00033  | INDUSTRIAL COATINGS |
| ADS                         | CH - AUTO DISTRIBUTOR   | COMAR00012 | AUTOMOTIVE              | COSEG00034 | POWERTRAIN EFFICIENCY            | COAPP00137  | TRANSMISSION PARTS  |
| ADT                         | CP - ADDITIVES          | COMAR00010 | INDUSTRIAL APPLICATIONS | COSEG00018 | INDUSTRIAL & PROTECTIVE COATINGS | COAPP00033  | INDUSTRIAL COATINGS |
| AGE                         | AUTO - GEARS            | COMAR00012 | AUTOMOTIVE              | COSEG00034 | POWERTRAIN EFFICIENCY            | COAPP00137  | TRANSMISSION PARTS  |
| ALF                         | WC - ALTERNATIVE ENERGY | COMAR00051 | ENERGY SOLUTIONS        | COSEG00033 | POWER GENERATION                 | COAPP00047  | PHOTOVOLTAIC        |

So this table ZSPM\_TAB4 was created to map the Salesforce End-Use with Corporate "Market / Segment / Application"

Regarding the End-Use link with the customer, in the case of Salesforce, it's done by the sold-to (and not ship-to). Actually, it's done for a SF account ID that can map to N sold-to codes. Also, the product level can vary, can be done at material group (commercial product) or product hierarchy.

So we have the following rules into C\_SFEU2:



#### Rules:

1. Logsys = PF1

```
CALL FUNCTION 'Z_WBW_SOURCE_SYSTEM'
  EXPORTING
    ip_landscape = 'SOLVAY'
```

2. GBU = constant 'SP'

3. Product:

IF match\_type = 'Product Hierarchy' -> Fill C\_PRDHIER

IF match\_type = 'Product' -> Fill C\_PROD

4. Sold-to:

Map SF account ID to sold-to (1:N) via lookup in table ZSF\_SOLDTOS

Example of data received from SF (directory /exploit/BW/SPM) and the mapping of SF account to sold-to via table ZSF\_SOLDTOS

Directory: /exploit/BW/SPM  
Name: END\_USE\_LINK.csv

```
"a2S0e0000005gmzEAA";"EU# 00207765";"0010e00001JvFn7AAF";"Product Hierarchy";"JECA";"EED";"CH - EE DISTRIBUTOR"
"a2S0e0000005gn0EAA";"EU# 00207766";"0016000000U7EBRAA3";"Product Hierarchy";"JECB";"OPI";"PI - OTHERS"
"a2S0e0000005gn1EAA";"EU# 00207767";"0010e00001JvlpAAB";"Product Hierarchy";"JEDA";"CFL";"PI - COMPONENT/FITTINGS/LININGS"
"a2S0e0000005gn2EAA";"EU# 00207768";"0016000000k2PclAAG";"Product Hierarchy";"JEDA";"FLS";"PI - FILTRATION/SEPARATION"
"a2S0e0000005gn3EAA";"EU# 00207769";"00160000019L7LxAAK";"Product Hierarchy";"JEDA";"CFL";"PI - COMPONENT/FITTINGS/LININGS"
```

Take first 15 digits

#### Data Browser: Table ZSF\_SOLDTOS:

| MANDT | SOLDTO     | ID_SF           |
|-------|------------|-----------------|
| 400   | 0004604237 | 0010e00001JvFn7 |

For SPM PAC derivation, there is table ZSPM\_TAB5, which assigns a PAC based on GBU + SPM Prod + SF End-Use (C\_SFEU1).

Finally, in SPM query, attributes Market / Segment / Application come from different objects depending on the GBU

- GBR End-Use (Market) [C\_GBR14\_\_C\_GBR2]
- GBR End-Use (Segment) [C\_GBR14\_\_C\_GBR3]
- GBR End-Use (Application) [C\_GBR14\_\_C\_GBR1]
- GBR Corporate End-Use [C\_GBR14\_\_C\_GBR4]



All GBU's (except 'SP')

- SF End-Use [C\_SFEU1]
- SF End-Use (Market) [C\_SFEU1\_\_C\_GBR2]
- SF End-Use (Segment) [C\_SFEU1\_\_C\_GBR3]
- SF End-Use (Application) [C\_SFEU1\_\_C\_GBR1]



Only GBU = 'SP'

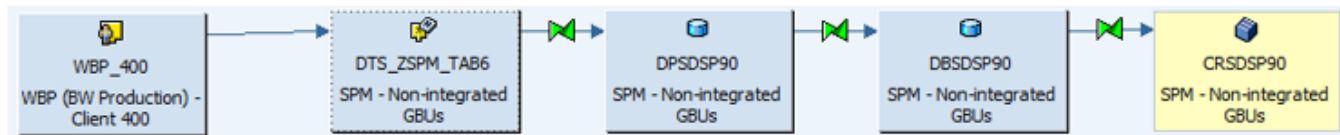
## Special case 2 - Composite Materials

For Composite Materials (and potentially any other GBU not integrated in WP1/PF1 yet), it was developed a "light", temporary solution, where the sales are informed manually, in an aggregated way.

So in table **ZSPM\_TAB6**, user can inform the sales amount directly at this level: by GBU, month, SPM product, SPM PAC, Corporate Group and Corporate End-Use.

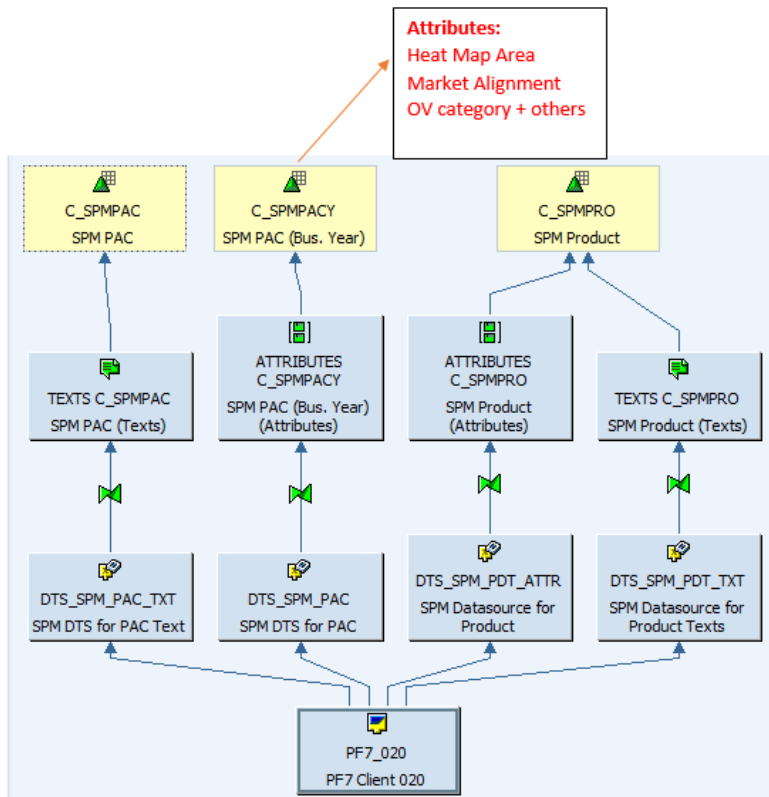
Since SPM Product and PAC are manually informed, there are no derivations in this case and the data goes straightforward to cube CRSDSP90, to be combined with the other cubes in MVSDSP01.

Sales amounts must be informed in EUR. There is no quantity (volume) information, and no detail on customer/material.



## Master Data from PF7

Update on June/2021 - New source for SPM Master Data is WPE (replacing PF7)



Dependencies with other applications

Data loadings

Info providers and objects loaded

Loading frequency

PC SPM\_MAIN is scheduled daily at 05:00 (CET).

|                                                                                                                                             |                 |
|---------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| <ul style="list-style-type: none"> <li>SPM - Main Chain</li> </ul>                                                                          | PC_SPM_MAIN     |
| <ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>SPM - Master Data</li> </ul> </li> </ul>                     | PC_SPM_MD       |
| <ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>SPM - Transactional data - Other GBUs</li> </ul> </li> </ul> | PC_SPM_TRANS_90 |
| <ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>SPM - Transactional data - Rhodia</li> </ul> </li> </ul>     | PC_SPM_TRANS_01 |
| <ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>SPM - Transactional data - Solvay</li> </ul> </li> </ul>     | PC_SPM_TRANS_02 |

The following PCs do not run on a regular basis. They are used only to reload historical data

|                                                                                                                           |                  |
|---------------------------------------------------------------------------------------------------------------------------|------------------|
| <ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>SPM - Reload Rhodia</li> </ul> </li> </ul> | PC_SPM_RELOAD_01 |
| <ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>SPM - Reload Solvay</li> </ul> </li> </ul> | PC_SPM_RELOAD_02 |

They execute the corresponding APDs,

| PC               |                     | APD         | Query                 | Variant       |
|------------------|---------------------|-------------|-----------------------|---------------|
| PC_SPM_RELOAD_01 | SPM - Reload Rhodia | APD_PL_0020 | APD_QRY_MVCOPA01_0020 | ZAPD_VAR_0020 |
| PC_SPM_RELOAD_02 | SPM - Reload Solvay | APD_PL_0021 | APD_QRY_MVCOPA01_0021 | ZAPD_VAR_0021 |

So for example, if we need to reload P&L data for Rhodia (WP1) for 2018, just update the variant in RSRT as follows and trigger the PC to reload.

APD: BW P&L data for SPM (Rhodia) - any period

Conso. view? (1=Yes/0=No) (\*)

1

Target Currency

Empty Selection

Source System (Selection Option, Mandatory) (\*)

=

WP1\_400

To

Calendar Month/Year (Interval, Optional)

01.2018

To

12.2018

1 - BFC GBU (Clt) (Selection Opt, Optional)

=

To

This will take data up to business layer, then it will go the cubes with the regular daily load.

## Average performance

| Key Figure                           | Estimation |
|--------------------------------------|------------|
| ~ Average Process Chain Runtime      | 35 minutes |
| ~ Average nb of rows loaded per load |            |
| ~ Total nb of rows loaded (if full)  |            |
| ~ Average Runtime for 10k lines      |            |

## Record Keeping

SPM keeps current year + 3 previous years.

This is controlled with a routine in the DTPs into DSOs DBSDSP01 (Rhodia) and DBSDSP03 (Solvay)

## Reporting

### Queries End User Documentation

### Main queries

Queries:

- BW\_QRY\_MVSDSP01\_0001 - Core query
- QV\_BW\_QRY\_MVSDSP01\_0001 - copy used for QlikView

### Main functionalities

Broadcast

Maintenance

Known bugs

Recurring procedure

Planned Evolution