

IMEP - PF1 Check of data consistency



The aim of this workbook is to validate the quality of the data reported in imep for the sites in PF1.

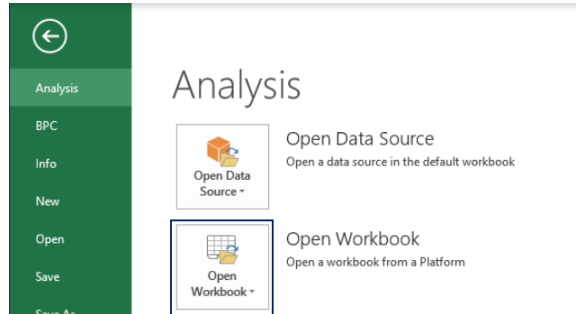
It can be used when you start working with iMEP queries and confirm that there is no specificity in your production site / GBU that is not taken into account in the imep program.

Access the workbook

The workbook to be used is **BW_WBK_CO_0024 - BW - IMEP - PF1 Check of data consistency (Core Workbook)**

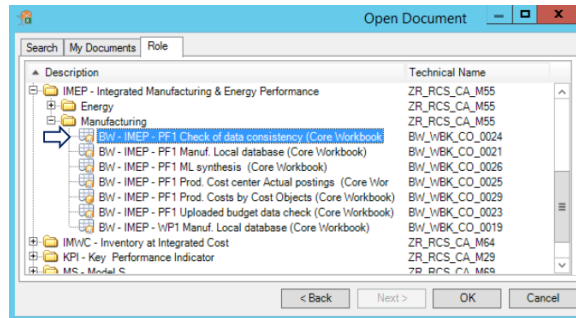
=> Go to Analysis for Office in excel

=> Click "Open Data Source"



Go to the tab "Role" and open the folder IMEP - Integrated Manufacturing & Energy Performance => Manufacturing

Double-click on the workbook **BW_WBK_CO_0024 - BW - IMEP - PF1 Check of data consistency (Core Workbook)** to open it



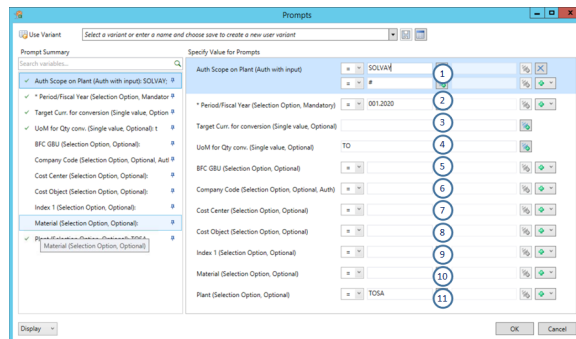
Open the workbook

It is mandatory to enter the period (2) : MMM.YYYY

It is also recommended to enter at least a company code (6) or a plant code (11)

It is also possible to enter:

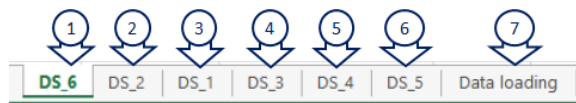
- a target currency (3) however it is recommended to perform the test with the local currency
- a Unit of Measure for the quantity conversion (ex: TO for Tons) (4)
- a GBU (5)
- a Cost object (8)
- an [Index 1](#) (9)
- a material code (10)



Click "OK"

The workbook in detail

There are 7 sheets in the workbook:




1. DS_6

The aim of the report iMEP is to provide a detail of actual production costs by material/plant. In PF1, the actual production costs by material is calculated with Material Ledger and the total by material/plant can be displayed with the transaction [CKM3 - Material Price Analysis](#).

IMEP Index1-1 Mat. Ledger Costs vs ML Production costs									
Source Syst.	CO Area	Cost Object	Plant	Material		Mar. Ledger Costs	ML Prod. Costs		
						EUR	EUR		
PF1_020	CHEF	ST3200020	TOSA	003932	LIVESTONE OF QUARRY	372,188.76	372,188.76		
PF1_020	CHEF	ST3200020	TOSA	003931	1 TONE TO BE CONSUMED	259.38	259.38	1	2
PF1_020	CHEF	ST3200020	TOSA	003929	1 TONE VIERGE	22.04	22.04		3
PF1_020	CHEF	ST3240220	TOSA	02979		8,025.45	8,025.45		
PF1_020	CHEF	ST3240220	TOSA	003055	SE	816,011.88	816,011.88		

The purpose of the control (DS_6) is to compare the calculation done by Material Ledger (3) and the one done in iMEP (2) material code by material code (1)

Ex: The actual production costs calculated with Material Ledger (3) gives the same result as iMEP (2). It confirms that the report iMEP is accurate.


 (2) = (3)

=> In case of discrepancies, a ticket should be created to get the support of the IS team

Material	103055	SE				
Plant	TOSA	SLV-ES / TORRELAVEGA (SOD)				
Curr./Valuation	Company code currency	EUR				
Value	Actual Value	Level + Lower Level / Fixed + Variable				
View	Cost Components	Main Cost Component Split				
Prices and Inventory Values						
Category	Quantity	Unit	Value	Raw materials	Manufact.Activities	Packaging Materials
Beginning Inventory	0,000	KG	0,01	0,01	0,00	0,00
Receipts	128.190.155,000	KG	816.011,89	236.180,69	411.078,81	0,00
Cumulative Inventory	128.190.155,000	KG	816.011,89	236.180,70	411.078,81	0,00
Consumption	128.190.155,000	KG	816.011,89	236.180,70	411.078,81	0,00
Ending Inventory	0,000	KG	0,00	0,00	0,00	0,00

2. DS_2

Produced quantity (2) should be equal to Actual quantity (3)

 (1) = (2) - (3)

=> In case of discrepancies, a ticket should be created to get the support of the IS team

Produced Qty vs Actual Qty (Index1-1)										
Source Sgst.	CD Area	Cost Object	Plant	Material	Check Prod Qty vs Actual Qty	Produced Qty	Actual Qty	TO	TO	
PF1_020	CHEF	ST320010	TOSA	03932	LIMESTONE OF QUARRY		-89,09	-89,09		
		ST3200520	TOSA	03931	LIMESTONE TO BE CONSUMED		-80,07	-80,07		
		ST3240920	TOSA	03929	SAUMURE VERGE	1	25,477	25,477		
		ST3240220	TOSA	03979	SE	2	7,544	7,544		
				03955	SE	3	25,990	25,990		
		ST3240990	TOSA	03953	SL CS1250 4SMVSH		-4,025	-4,025		
				03950	SL S25 IPE P1250QHT H		-1,235	-1,235		
				079494	SL CS1250 4SMVSH PQIHT		-423	-423		
				200999	SL S25 IMPT-CPE /BS1250		-1,529	-1,529		
		ST3240920	TOSA	03851	SL		-71,955	-71,955		
		ST3240990	TOSA	07942	SD CS1250 4SMVSH		-10,339	-10,339		
				060853	SD CS1250 4SMVSH PHHT		-551	-551		
				062991	SD S25 IPE P1250QHT H		-309	-309		
				069594	SD S25 IPE P1600PQHT H		45	45		
		ST3240920	TOSA	03956	SD		-48,002	-48,002		
		ST3240220	TOSA	03972	SRA essore -A T		-4,830	-4,830		

3. DS_1

The aim of this control is to ensure that the total productions costs (2) calculated by iMEP is equal to variable costs (3) + fixed costs (4) + depreciation (5).


 (1) = (2) - ((3) + (4) + (5))

=> In case of discrepancies, a ticket should be created to get the support of the IS team

Mat. Ledger Costs vs ML VC + ML FX + ML DP									
Cost Object	Plant	Material	Check Total vs VC+FX+DP	Mat. Ledger Cost	ML VC	ML FX	ML DP	EUR	EUR
ST320010	TOSA	03932	LIMESTONE OF QUARRY	372,78,78	84,43,59	218,63,25	42,706,43	EUR	EUR
ST3200520	TOSA	03931	LIMESTONE TO BE CONSUMED	340,62	39,53	35,99	30,10	EUR	EUR
ST3240920	TOSA	03929	SAUMURE VERGE	25,477	39,40	25,24	2,96	EUR	EUR
ST3240220	TOSA	03979	SE	7,544	7,69,91	207,24	2,36	EUR	EUR
ST3240990	TOSA	03955	SE	25,990	7,850,20	68,640,79	3,671,84	EUR	EUR
		079494	SL CS1250 4SMVSH	-0,02	-0,01	-0,01		EUR	EUR
		062991	SD S25 IPE P1250QHT H	-0,01	-0,01	-0,01		EUR	EUR
		079494	SL CS1250 4SMVSH PQIHT	0,01	-0,01	0,01		EUR	EUR
		200999	SL S25 IMPT-CPE /BS1250	0,01	0,02	-0,01		EUR	EUR
ST3240920	TOSA	03851	SL	4,275,712,71	1,385,521,43	2,071,93,20	738,002,08	EUR	EUR
ST3240990	TOSA	07942	SD CS1250 4SMVSH	22,253,78	1,94,37	18,625,46	110,95	EUR	EUR
		060853	SD CS1250 4SMVSH PHHT	-0,02	-0,01	-0,01		EUR	EUR
ST3240920	TOSA	03956	SD	44,576,05	130,533,93	254,243,43	38,793,63	EUR	EUR
ST3240220	TOSA	03972	SRA essore -A T	10,522,59	30,094,30	95,300,99	5,127,30	EUR	EUR

4. DS_3

The aim of this control is to ensure that the total productions costs (Index 1 = 1 & 2) (2)(3) calculated by iMEP is equal to the sum of Raw materials (Index 1 = 3) (4) and activities (Index 1 = 5 & 7) (5)(6) costs.


 (1) = (2) - ((3) + (4) + (5) + (6))

=> In case of discrepancies, a ticket should be created to get the support of the IS team

Index1-1 vs Index1-3 + Index1-5 + ...									
Material	Check Index1-2,3,4,5,6,7	Mat. Ledger Costs Index1	Mat. Ledger Costs Index2	Mat. Ledger Costs Index3	Mat. Ledger Costs Index5	Mat. Ledger Costs Index7	EUR	EUR	EUR
03932	LIMESTONE OF QUARRY	-372,78,78	372,78,78	339,504,91	32,613,85	32,613,85	EUR	EUR	EUR
03931	LIMESTONE TO BE CONSUMED	340,62	340,62	145,729,25	191,11,37	191,11,37	EUR	EUR	EUR
03929	SAUMURE VERGE	25,477	25,477	53,595,93	36,12	36,12	EUR	EUR	EUR
03979	SE	7,544	7,544	65,377,00	7,69,95	7,69,95	EUR	EUR	EUR
03955	SE	25,990	25,990	25,990	25,990	25,990	EUR	EUR	EUR
03953	SL CS1250 4SMVSH	-4,025	-4,025	35,500,56	8,585,27	44,085,83	EUR	EUR	EUR
03950	SL S25 IPE P1250QHT H	-1,235	-1,235	14,487,31	3,503,54	17,990,85	EUR	EUR	EUR
079494	SL CS1250 4SMVSH PQIHT	-423	-423	1,080,48	261,27	1,341,75	EUR	EUR	EUR
200999	SL S25 IMPT-CPE /BS1250	-1,529	-1,529	13,483,62	3,260,78	16,744,40	EUR	EUR	EUR
03851	SL	4,275,712,71	-382,011,06	4,657,723,79	-382,011,06	4,275,712,73	EUR	EUR	EUR
07942	SD CS1250 4SMVSH	22,253,78	-18,971,74	39,494,96	-8,971,74	22,253,78	EUR	EUR	EUR
060853	SD CS1250 4SMVSH PHHT	-0,02	2,105,79	2,105,79	-1,011,56	1,094,23	EUR	EUR	EUR
062991	SD S25 IPE P1250QHT H	-0,01	1,569,39	1,569,39	-793,39	814,99	EUR	EUR	EUR
069594	SD S25 IPE P1600PQHT H	45	-342,27	45	-342,27	84,41	EUR	EUR	EUR
03956	SD	44,576,05	-56,442,11	490,019,15	-56,442,11	424,576,04	EUR	EUR	EUR
03972	SRA essore -A T	10,522,59	-38,805,81	158,329,43	-38,805,81	120,522,62	EUR	EUR	EUR

5. DS_4

The aim of this control is to ensure that the total activities costs (Index 1 = 5 & 7) (1)(2) calculated by iMEP is equal to the production costs recorded in a cost center (Index 1 = 9) (4)

 (3) = ((1) + (2)) - (4)

=> The control is only true when a production cost center is dedicated to the production of a single material.
In the case of multi-materials cost centers, it is not possible to report the index 1 = 9 per material and therefore the control does not work.

Index1-5 vs Index1-9				
Material	Mat. Ledger Costs Index1-5	Mat. Ledger Costs Index7	Check Index1-5/7<9	Mat. Ledger Costs Index1-9
03932	LIMESTONE OF QUARRY	339,504,91	32,613,85	372,118,76
03931	LIMESTONE TO BE CONSUMED	145,729,25	191,11,37	336,840,62
03929	SAUMURE VERGE	53,595,93	36,12	89,711,05
03955	SE	65,377,00	7,69,95	73,076,95
03953	SL CS1250 4SMVSH	35,500,56	8,585,27	44,085,83
03950	SL S25 IPE P1250QHT H	14,487,31	3,503,54	17,990,85
079494	SL CS1250 4SMVSH PQIHT	1,080,48	261,27	1,341,75
200999	SL S25 IMPT-CPE /BS1250	13,483,62	3,260,78	16,744,40
03851	SL	4,657,723,79	-382,011,06	4,275,712,73
07942	SD CS1250 4SMVSH	39,494,96	-8,971,74	22,253,78
060853	SD CS1250 4SMVSH PHHT	2,105,79	-1,011,56	1,094,23
062991	SD S25 IPE P1250QHT H	1,569,39	-793,39	814,99
069594	SD S25 IPE P1600PQHT H	45	-342,27	84,41
03956	SD	490,019,15	-56,442,11	424,576,04
03972	SRA essore -A T	158,329,43	-38,805,81	120,522,62

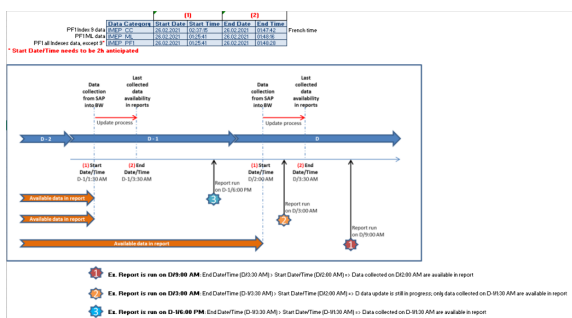
6. DS_5

TO BE COMPLETED

CE groups vs ML VC/FX/DP (Index1=5/7/9)					
Plant	Material		MLVC	MLFX	MLDP
			EUR	EUR	EUR
TOSA	103932	LIMESTONE OF QUARRY	98,438.51	231,613.82	42,066.43
TOSA	103931	LIMESTONE TO BE CONSUMED	125,148.53	30,455.99	2,936.10
TOSA	103923	SAUMURE VIERGE	85,643.40	259,046.24	125,466.42
TOSA	103095	SE	89.91	7.24	0.96
TOSA	#	PF1_020/#	0.20	79	84
	157853	SL CS1250 4SMVSH	-0.01	-0.01	
	163590	SL S25 IPE P1250QIHT H	-0.01		
	179494	SL CS1250 4SMVSH PQIHT	-0.01	0.01	0.01
	200999	SL S25 IMPT-CPE /BS1250	0.02		-0.01
TOSA	31851	SL	1,365,531.43	2,171,179.20	739,002.08
TOSA	#	PF1_020/#	1,514.37	19,625.46	1,113.95
	163591	SD S25 IPE P1225QIHT H	-0.01	-0.01	
TOSA	30156	SD	130,533.93	254,248.49	39,793.63
TOSA	31972	SRA essore +A T	30,094.30	85,300.99	5,127.30

7. Data loading

In this sheet you can find some information regarding the loading of data in iMEP



Going further with iMEP

- [IMEP - Characteristics](#) — List of Characteristics & Measures available in the BW application iMEP with the link to more detailed documentation when it exists.
- [IMEP - Index 1](#) — In the application iMEP, the characteristic Index 1 is a key element to understand to set-up an accurate report to follow production quantities and costs.
- [IMEP - PF1 Manuf. Local database](#) — This workbook gives a transversal and consolidated view of manufacturing costs (from sites to GBU level) for all plants managed in PF1.
- [IMEP - WP1 Manuf. Local database](#) — This workbook gives a transversal and consolidated view of manufacturing costs (from sites to GBU level) for all plants managed in WP1.
- [IMEP - PF1 Check of data consistency](#) — The aim of this workbook is to validate the quality of the data reported in iMEP for the sites in PF1.
- [IMEP - PF1 ML synthesis](#) — This report answers a specific need of GBUs operating in PF1 who wants to better understand the impact of the stock effects in their P&L. It can be used as the report Z1K_CONS_ESTO in PF1 but for a wider scope.