

SAP Cash Management powered by SAP HANA 2.0 SPS00

Liquidity Management: Functions and Features

March, 2015



Learning Objectives



At the end of this lesson, you will be able to:

- Understand the business context of Liquidity Management
- Understand the detailed feature of Liquidity Management

Agenda

1 Business Context

2 Explanation of Functionality

Agenda

1 Business Context

2 Explanation of Functionality

Business Context

Cash Managers and CFOs put the focus on the overall solvency of a company. Forecasts of the amount and timing of actual cash flows are of the highest importance.

So that Cash Managers and CFOs can:

- Get timely, congruent and objective liquidity plan
- Use liquidity planning as an early warning indicator of liquidity shortages or as a steering tool for medium- and long-term investment or borrowing.
- Track and trace liquidity planning cycle
- Analyse variance to improve plan
- Check predictive liquidity forecast data

Agenda

1 Business Context

2 Explanation of Functionality

Develop Liquidity Plans

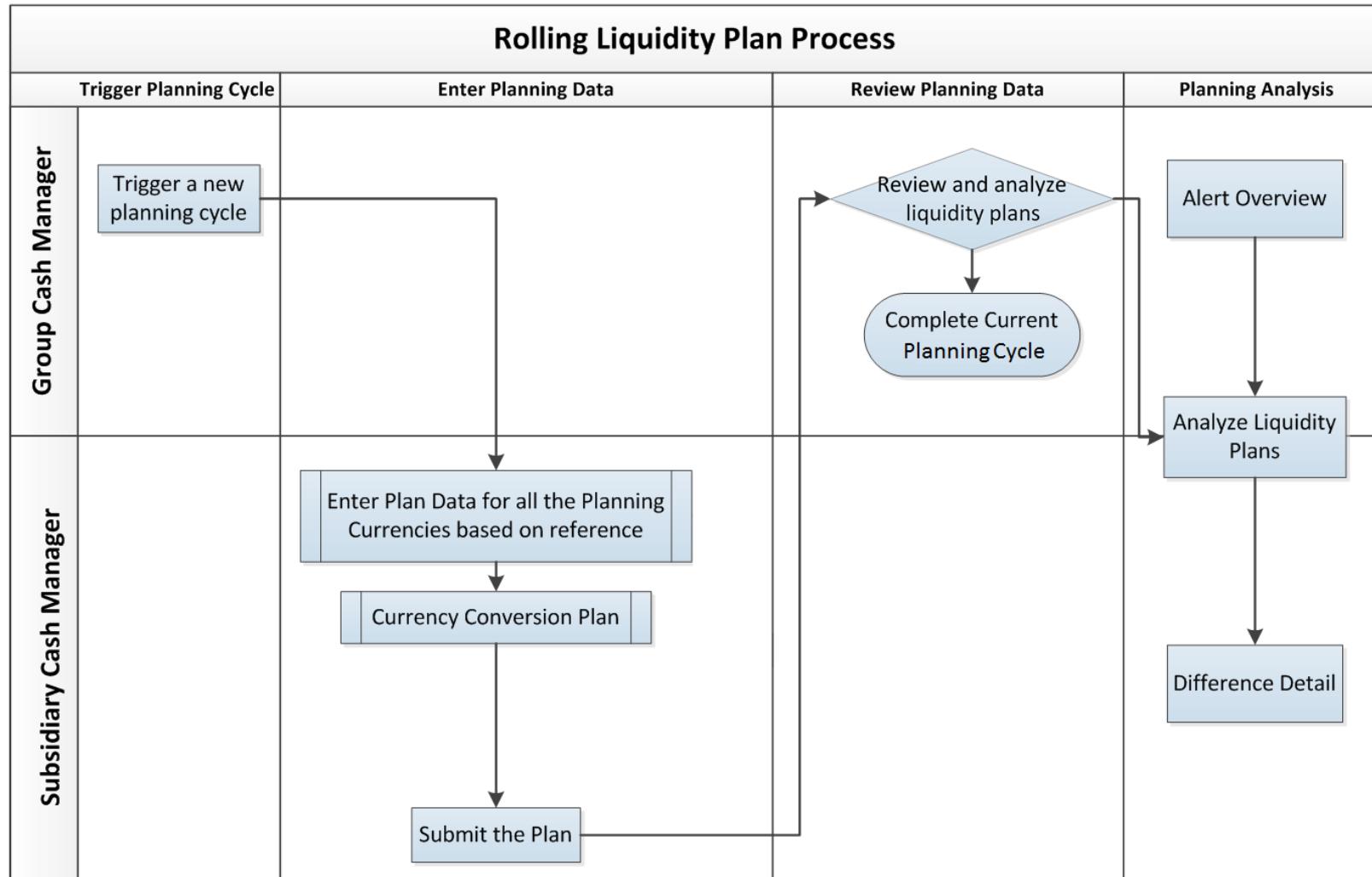
Liquidity Plans

Liquidity Forecast

Cash Flow

Explanation of Functionality

Flow Diagram



Explanation of Functionality

Develop Liquidity Plans

The screenshot shows a SAP application window titled "Monthly Rolling Plan Query". The header includes the SAP logo, the title, and navigation links like "Data Entry", "Planning Unit", "Planning Cycle", "Planning Status", and "New". A search bar and filter dropdown are also present. The main area displays a grid for planning currency "EUR" against liquidity items. The grid columns represent "Planning Currency", "Liquidity Item", "Conversion Currency", "Conversion Partner", "Calendar Year/Month", and months from "DEC 2014" to "MAR 2015". Each cell contains a numeric input field. The "Liquidity Item" section includes categories like "Opening Balance", "Affiliated companies", "Receivables", "Liabilities", "Cash Pool Receivables", "Cash Pool Liabilities", "Bank", "Bank Deposit", "Loans and overdrafts", "Cash (Cheques, central bank, postal girobank balance)", "Third parties", "Receivables", "Liabilities", "Cash Flow from operating, investing and capital activities", "Cash Flow from operating activities", "Operative Cash Inflow", "Trade Receivables", "Trade receivables - Affiliated companies", "Trade Receivables - IDES-D", "Trade receivables - Third parties", "Other Cash Inflow", and "Hedging of operating activities - Cash inflow". The "Conversion Partner" column shows "HeadQuarter" for most entries. Buttons at the bottom include "Show Navigation Panel", "Jump To", "Back to Saved State", "Save", and "Submit".

Business/Process Context

With the app Develop Liquidity Plans, the group cash manager can regularly trigger a new planning cycle for a liquidity plan. Subsidiary cash managers then enter the liquidity plans for the relevant planning period and submit the plan to the group cash manager for approval. The timely and precise estimates of future balance and operative cash inflow and outflow allow subsidiary cash managers to ensure that payment obligations can be met and support group cash managers making investment or financing plans. The entire process management is powered by BPC.

Features and Capabilities

- Trigger a new planning cycle for a monthly rolling liquidity plan
- Get reference data as planning reference. The reference sources can be:
 - Liquidity Forecast
 - Previous Cycle Plan
 - Last Year Actual
- Auto-fill with reference or planning data
- Plan hedging of operating activities
- Enter or adjust the planning data in planning currencies based on the reference data and submit
- Review planning data by planning currency or aggregation currency and approve or reject liquidity plans
- Track the planning status of subsidiaries by planning unit hierarchy
- Make use of BPC to support process management

Develop Liquidity Plans

Home

The screenshot shows the SAP Group Cash Manager interface. At the top left is a navigation menu icon (three horizontal lines) and the SAP logo. Below the header is a teal-colored section titled "Group Cash Manager". This section contains three white rectangular cards, each with a blue plus sign icon and a dollar sign icon below it. The first card is labeled "Develop Liquidity Plans Start New Planning Cycle". The second card is labeled "Develop Liquidity Plans Track Status". The third card is labeled "Develop Liquidity Plans Review Liquidity Plans".

The screenshot shows the SAP Subsidiary Cash Manager interface. At the top left is a navigation menu icon (three horizontal lines) and the SAP logo. Below the header is a teal-colored section titled "Subsidiary Cash Manager". This section contains two white rectangular cards, each with a blue plus sign icon and a dollar sign icon below it. The first card is labeled "Develop Liquidity Plans Enter Liquidity Plans". The second card is labeled "Develop Liquidity Plans Display Liquidity Plans".

Develop Liquidity Plans

Group Cash Manager – Start New Planning Cycle

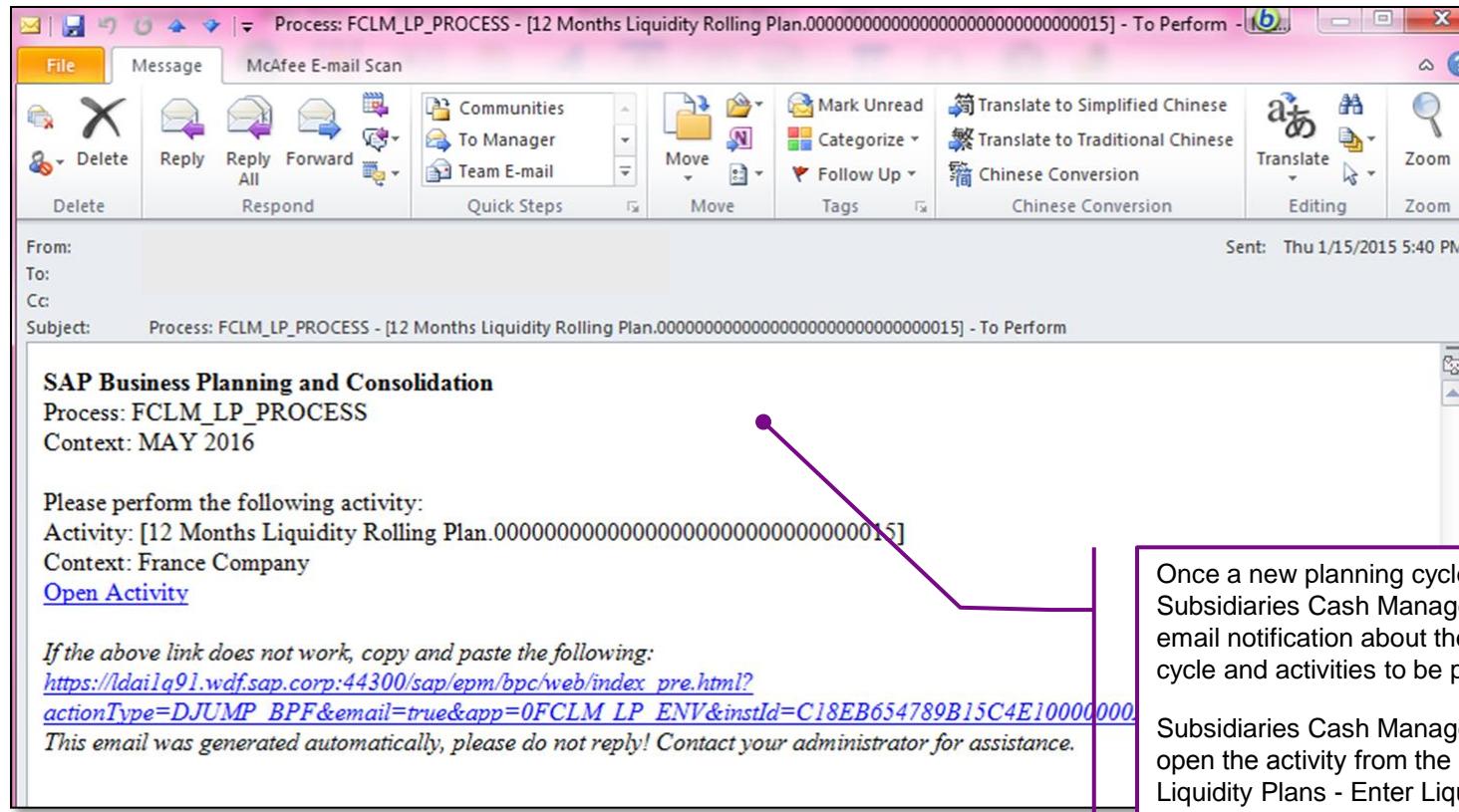
The screenshot shows the SAP Business Planning and Consolidation application. In the left sidebar under 'Administration', 'Process Instances' is selected. The main area displays 'Process Instances' with a table showing four entries. A modal window titled 'Process Instance - New' is open, showing steps 1 through 5: 'Select Process', 'Select Owner', 'Select Context', 'Check Assignments', and 'Review and Start'. Step 1 is highlighted with a yellow box. A callout bubble points to this step with the text: 'Group Cash Manager starts a new planning cycle and notify the responsible persons of target subsidiaries to submit liquidity plans.' The table data is as follows:

Instance	Owner	Started	Status
FCLM_LP_PROCESS - DEC 2014	Leo Chu	20.01.2015	Running
FCLM_LP_PROCESS - FEB 2014	Leo Chu	21.01.2015	Running
FCLM_LP_PROCESS - MAR 2014	Leo Chu	21.01.2015	Suspended
FCLM_LP_PROCESS - APR 2014	Leo Chu	21.01.2015	Running

Environment: 0FCLM_LP_ENV EPM Office Add-in Download Center Help About

Develop Liquidity Plans

Subsidiary Cash Manager – Get email notification



Once a new planning cycle is triggered, Subsidiaries Cash Manager receives an email notification about the planning cycle and activities to be performed.

Subsidiaries Cash Manager can also open the activity from the 'Develop Liquidity Plans - Enter Liquidity Plan' tile.

Develop Liquidity Plans

Subsidiary Cash Manager – Enter Plan Data

SAP Monthly Rolling Plan Query

No Filter Defined

Data Entry Planning Unit: France Company Planning Cycle: 201412 Planning Status: New

Header Information Reference Data Auto-Fill Related Links Calculate

Planning Currency	Liquidity Item	Conversion Currency	Conversion Partner	DEC 2014		JAN 2015		FEB 2015		MAR 2015		APR 2015		MAY 2015	
				Liquidity Forecast	Plan Amount										
EUR	Opening Balance	#	-												
	Affiliated companies	#	-												
	Receivables	#	-												
	Liabilities	#	-												
	Cash Pool Receivables	#	-												
	Cash Pool Liabilities	#	-												
	Bank	#	-												
	Bank Deposit	#	-												
	Loans and overdrafts	#	-												
	Cash (Cheques, central bank, postal girolbank balance)	#	-												
	Third parties	#	-												
	Receivables	#	-												
	Liabilities	#	-												
	Cash Flow from operating, investing and capital activities	USD	HeadQuarter												
	Cash Flow from operating activities	USD	HeadQuarter												
	Operative Cash Inflow	USD	HeadQuarter												
	Trade Receivables	#	-												
	Trade receivables - Affiliated companies	#	-												
Trade Receivables - IDES-D	#	-													
Trade receivables - Third parties	#	-													
Other Cash Inflow	#	-													
Hedging of operating activities - Cash inflow	USD	HeadQuarter													
Operative Cash Outflow	USD	HeadQuarter													
Trade payables	#	-													
Trade payables - Affiliated companies	#	-													

Show Navigation Panel

Planning data entry layout.

Only for leaf-level planning unit, planning data can be entered directly. For non-leaf-level planning unit, the planning data from its child planning units will be aggregated and is read-only.

For example:

Planning unit hierarchy of Group is as below.

- Group (non-leaf-level)
 - China Company (leaf-level)
 - Germany Company (leaf-level)

The planners of China Company and Germany Company enter planning data 100 EUR and 200 EUR respectively for their own planning unit. When the planner from Group go to Group's data entry page, he/she can see the aggregated planning data as 300 EUR but cannot enter planning data.

Planning unit is an organizational unit that needs to enter liquidity plan data. A planning unit can be a company code.

Develop Liquidity Plans

Subsidiary Cash Manager – Get Reference Data for Planning

The screenshot shows the SAP Monthly Rolling Plan Query interface. A modal dialog titled 'Source Selection' is open, listing three reference sources: 'Liquidity Forecast' (selected), 'Previous Cycle Plan', and 'Last Year Actual'. The main data entry table displays liquidity items for EUR currency across months from DEC 2014 to FEB 2015.

Subsidiary Cash Manager can select multiple reference sources. The selected reference sources will be displayed on the column of the planning data entry page.

The reference sources can be Liquidity Forecast, Previous Cycle Plan, Last Year Actual.

The screenshot shows the SAP Monthly Rolling Plan Query interface. A modal dialog titled 'Select Reference Sources' is open, listing various liquidity items such as Trade payables, Other Cash Outflow, Hedging of operating activities, Investment in fixed assets, Other investing Activities, Cash Flow from capital activities, Capital increase (+) / decrease (-), Dividends received(-)/paid(+), Funding Allocation, Affiliated companies, Receivables, Liabilities, Cash Pool Receivables, Cash Pool Liabilities, Bank, Deposits, Loans and overdrafts, and Cash. An orange arrow points to the 'Get Reference Data' button at the bottom right of the dialog.

Subsidiary Cash Manager can get reference data of selected data source for the 12 months involved in planning.

Develop Liquidity Plans

Subsidiary Cash Manager – Auto-fill with Reference Data

Auto-Fill with Reference Data

Delta Percentage for Cash Flows: %

Planning Value = Suggestion Value * (1 + Delta Percentage)

Opening Balance for the First Month = Forecasted Opening Balance for the First Month in Liquidity Forecast

OK Cancel

After getting the reference data, Subsidiary Cash Manager can auto-fill planning data with reference data based on a certain factor if he/she finds the reference data is reliable to some degree, which makes the planning job much easier than before.

Both positive and negative percentage are allowed here.

For example:

Reference data from Previous Cycle Plan is 1000 EUR.

Case A - Delta percentage: 5 %

Case B - Delta percentage: -5 %

Planning Value auto-filled in case A is 1050 EUR.

Planning Value auto-filled in case B is 950 EUR.

Note that the forecasted opening balance for the first month is copied to related planning cell regardless of the factor.

Planning Currency	Liquidity Item	Calendar Year/Month		DEC 2014		JAN 2015		FEB 2015		Plan Amount
		Conversion Currency	Conversion Partner	Previous Cycle Plan	Plan Amount	Previous Cycle Plan	Plan Amount	Previous Cycle Plan		
EUR	Bank	USD	HeadQuarter	1.000,00 EUR						
	Bank Deposit	#	-	1.000,00 EUR						
	Loans and overdrafts	#	-	1.000,00 EUR						
	Cash (Cheques, central bank, postal giro/bank balance)	#	-	1.000,00 EUR						
	Third parties	#	-	1.000,00 EUR						
	Receivables	#	-	1.000,00 EUR						
	Liabilities	#	-	1.000,00 EUR						
	Cash Flow from operating, investing and capital activities	USD	HeadQuarter	1.000,00 EUR						
	Cash Flow from operating activities	#	-	1.000,00 EUR						
	Operative Cash Inflow	USD	HeadQuarter	1.000,00 EUR						

Develop Liquidity Plans

Subsidiary Cash Manager – Auto-fill with Planning Data

The screenshot shows the SAP Subsidiary Cash Manager interface for 'Monthly Rolling Plan Query'. The top navigation bar includes the SAP logo, search, user profile, and filter icons. The main header displays 'Data Entry', 'Planning Unit: France Company', 'Planning Cycle: 201412', and 'Planning Status: New'. Below this is a table for 'Planning Currency: EUR' and 'Liquidity Item' categories. A tooltip for the 'Auto-Fill' button indicates two options: 'Fill with Reference Data' and 'Fill with Planning Data'. A callout box on the right explains that once plan data is entered for a month, it can be copied to subsequent months. The bottom part of the screenshot shows a second table for 'Planning Currency: EUR' with highlighted 'Plan Amount' columns for December 2014 and January 2015, with arrows indicating the auto-fill process between them. Buttons for 'Save' and 'Submit' are visible at the bottom right.

Once Subsidiary Cash Manager entered the plan data for a month, he/she can select the plan column and copy it to the plan column of the following months.

Planning Currency	Liquidity Item	Conversion Currency	Conversion Partner	Calendar Year/Month		DEC 2014		JAN 2015		FEB 2015	
				Previous Cycle Plan	Plan Amount	Previous Cycle Plan	Plan Amount	Previous Cycle Plan	Plan Amount		
EUR	Bank	#	-								
	Bank Deposit	#	-								
	Loans and overdrafts	#	-								
	Cash (Cheques, central bank, postal giro/bank balance)	#	-								
	Third parties	#	-								
	Receivables	#	-								
	Liabilities	#	-								
	Cash Flow from operating, investing and capital activities	USD	HeadQuarter								
		#	-		1.000,00 EUR	1.050,00 EUR					
	Cash Flow from operating activities	USD	HeadQuarter								
		#	-		1.000,00 EUR	1.050,00 EUR					
	Operative Cash Inflow	USD	HeadQuarter								
	#	-		1.000,00 EUR	1.050,00 EUR						
Trade Receivables	#	-									

Planning Currency	Liquidity Item	Conversion Currency	Conversion Partner	Calendar Year/Month		DEC 2014		JAN 2015		FEB 2015	
				Previous Cycle Plan	Plan Amount	Previous Cycle Plan	Plan Amount	Previous Cycle Plan	Plan Amount		
EUR	Bank	#	-								
	Bank Deposit	#	-								
	Loans and overdrafts	#	-								
	Cash (Cheques, central bank, postal giro/bank balance)	#	-								
	Third parties	#	-								
	Receivables	#	-								
	Liabilities	#	-								
	Cash Flow from operating, investing and capital activities	USD	HeadQuarter								
		#	-		1.000,00 EUR	1.050,00 EUR					
	Cash Flow from operating activities	USD	HeadQuarter								
		#	-		1.000,00 EUR	1.050,00 EUR					
	Operative Cash Inflow	USD	HeadQuarter								
		#	-		1.000,00 EUR	1.050,00 EUR					
	Trade Receivables	#	-								
	Trade receivables - Affiliated companies	#	-								
	Trade Receivables - IDES-D	#	-								
	Trade receivables - Third parties	#	-								
	Other Cash Inflow	#	-								
Hedging of operating activities - Cash inflow	USD	HeadQuarter									
	#	-		1.000,00 EUR	1.050,00 EUR						
Operative Cash Outflow	USD	HeadQuarter									
	#	-									

Develop Liquidity Plans

Subsidiary Cash Manager – Plan Hedging of Operating Process

The screenshot shows the SAP Fiori interface for a 'Monthly Rolling Plan Query'. The main screen displays a grid of liquidity items for a 'Planning Unit: France Company' over 'Planning Cycle: 201503'. The grid includes columns for 'Planning Currency' (USD), 'Liquidity Item', 'Conversion Currency' (EUR), 'Conversion Partner' (HeadQuarter), 'Liquidity Forecast' (MAR 2015), 'Plan Amount' (e.g., -1.000,00 USD), and 'Last Update' (e.g., 2015-03-12). A specific row for 'Hedging of operating activities - Cash inflow' is highlighted.

A modal dialog titled 'Currency Conversion' is open, overlaid on the main screen. It shows the 'Planning Currency: USD' and 'Liquidity Item: LP_EXI'. The 'Conversion Currency' is set to 'EUR' and 'Conversion Partner' to 'HeadQuarter'. The dialog contains a table with columns: '#', 'Amount in Planning Currency', 'Direct Exchange Rate', 'Indirect Exchange Rate', and 'Amount in Conversion Currency'. Row 1 shows a value of '-1.000,00 USD' in the first column, '0,5000' in the second, and '500,00 EUR' in the fifth. Buttons at the bottom of the dialog are 'OK', 'Save', and 'Close'.

A purple arrow points from the highlighted row in the main grid to the 'Amount in Planning Currency' field in the dialog. A tooltip 'Number Format' is visible near the arrow. Another tooltip 'Currency Conversion' is visible near the bottom right of the dialog.

If subsidiary has foreign currency deficit or surplus, Subsidiary Cash Manager can plan hedging with headquarter.

Example:
France company has 1000 USD foreign currency surplus and need hedge with headquarter by exchanging 1000 USD into 500 EUR. The cash manager enter a currency conversion plan for this surplus. 500 EUR which is Amount in Conversion Currency is calculated automatically on the popup.

Develop Liquidity Plans

Subsidiary Cash Manager – Plan Hedging of Operating Process

SAP Monthly Rolling Plan Query
No Filter Defined

Data Entry Planning Unit: France Company Planning Cycle: 201503 Planning Status: In-Process

Planning Currency	Liquidity Item	Conversion Currency	Conversion Partner	Calendar Year/Month	
				MAR 2015	APR 2015
USD	Receivables	#	-		
	Liabilities	#	-		
	Cash Flow from operating, investing and capital activities	EUR	HeadQuarter	-1.000,00 ...	
	#	-		1.000,00 U...	
	Cash Flow from operating activities	EUR	HeadQuarter		
	#	-		1.000,00 U...	
	Operative Cash Inflow	EUR	HeadQuarter		
	#	-		1.000,00 U...	
	Trade Receivables	#	-		
	Trade receivables - Affiliated companies	#	-		
	Trade Receivables - IDES-D	#	-		
	Trade receivables - Third parties	#	-		1.000,00 USD
	Other Cash Inflow	#	-		
	Hedging of operating activities - Cash inflow	EUR	HeadQuarter		
	#	-		-1.000,00 ...	
	Operative Cash Outflow	EUR	HeadQuarter		
	#	-			
	Trade payables	#	-		
	Trade payables - Affiliated companies	#	-		
	Trade payables - IDES-D	#	-		
	Trade payables - Third parties	#	-		
	Other Cash Outflow	#	-		
	Hedging of operating activities - Cash outflow	EUR	HeadQuarter		-1.000,00 USD
	Cashflow from investing activities	#	-		
	Investment in fixed assets: Disposal (+) / Addition (-)	#	-		
	Investment in financial assets: Disposal (+) / Addition (-)	#	-		

Example:
An inflow 500 in EUR for France company is filled automatically.

SAP Monthly Rolling Plan Query
No Filter Defined

Data Entry Planning Unit: France Company Planning Cycle: 201503 Planning Status: In-Process

Planning Currency	Liquidity Item	Conversion Currency	Conversion Partner	Calendar Year/Month	
				MAR 2015	APR 2015
EUR	Liabilities	#	-		
	Cash Flow from operating, investing and capital activities	USD	HeadQuarter	500,00 EUR	
	#	-			
	Cash Flow from operating activities	USD	HeadQuarter	500,00 EUR	
	#	-			
	Operative Cash Inflow	USD	HeadQuarter	500,00 EUR	
	#	-			
	Trade Receivables	#	-		
	Trade receivables - Affiliated companies	#	-		
	Trade Receivables - IDES-D	#	-		
	Trade receivables - Third parties	#	-		
	Other Cash Inflow	#	-		
	Hedging of operating activities - Cash inflow	USD	HeadQuarter		500,00 EUR
	#	-			
	Operative Cash Outflow	USD	HeadQuarter		
	#	-			
	Trade payables	#	-		
	Trade payables - Affiliated companies	#	-		
	Trade payables - IDES-D	#	-		
	Trade payables - Third parties	#	-		

Example:
An outflow 1000 in USD for France company is filled automatically.

Develop Liquidity Plans

Subsidiary Cash Manager – Plan Hedging of Operating Process

Monthly Rolling Plan Query

No Filter Defined

Data Entry Planning Unit: HeadQuarter Planning Cycle: 201503 Planning Status: New

Planning Currency	Liquidity Item	Conversion Currency	Conversion Partner	Calendar Year/Month	MAR 2015	APR 2015
				Liquidity Forecast	Plan Amount	Liquidity Forecast
	Operative Cash Outflow	USD	Swiss Company			
		#	USA Company			
	Trade payables	#	-			
	Trade payables - Affiliated companies	#	-			
	Trade payables -IDES-D	#	-			
	Trade payables - Third parties	#	-			
	Other Cash Outflow	#	-			
EUR	Hedging of operating activities - Cash outflow	CAD	Canada Company			
		CHF	Swiss Company			
		CNY	Beijing Subsidiary			
		JPY	IDES Group			
			Japan Company			
		USD	Beijing Subsidiary			
			Canada Company			
			France Company	-500,00 EUR		
			Germany Company			
			Swiss Company			
	Cashflow from investing activities	#	-			
	Investment in fixed assets: Disposal (+) / Addition (-)	#	-			
	Investment in financial assets: Disposal (+) / Addition (-)	#	-			
	Other Investing Activities	#	-			
	Cash Flow from capital activities	#	-			

Example:
An inflow 1000 in USD for headquarter is filled automatically.

Monthly Rolling Plan Query

No Filter Defined

Data Entry Planning Unit: HeadQuarter Planning Cycle: 201503 Planning Status: New

Planning Currency	Liquidity Item	Conversion Currency	Conversion Partner	Calendar Year/Month	MAR 2015	APR 2015
				Liquidity Forecast	Plan Amount	Liquidity Forecast
	Operative Cash Inflow	#	-			
	Trade Receivables	#	-			
	Trade receivables - Affiliated companies	#	-			
	Trade Receivables -IDES-D	#	-			
	Trade receivables - Third parties	#	-			
	Other Cash Inflow	#	-			
EUR	Hedging of operating activities - Cash inflow	EUR	Beijing Subsidiary			
			Canada Company			
			France Company	1,000,00 USD		
			Germany Company			
			Swiss Company			
			USA Company			
		USD	Beijing Subsidiary			
			Canada Company			
			France Company			
			Germany Company			
	Operative Cash Outflow	EUR	USA Company			
	Trade payables	#	-			
	Trade payables - Affiliated companies	#	-			
	Trade payables -IDES-D	#	-			
	Trade payables - Third parties	#	-			
	Other Cash Outflow	#	-			
Hedging of operating activities - Cash outflow	Beijing Subsidiary	EUR	Beijing Subsidiary			
	Canada Company		Canada Company			
	France Company		France Company			
	Germany Company		Germany Company			

Example:
The outflow 500 in EUR for headquarter is filled automatically.

Develop Liquidity Plans

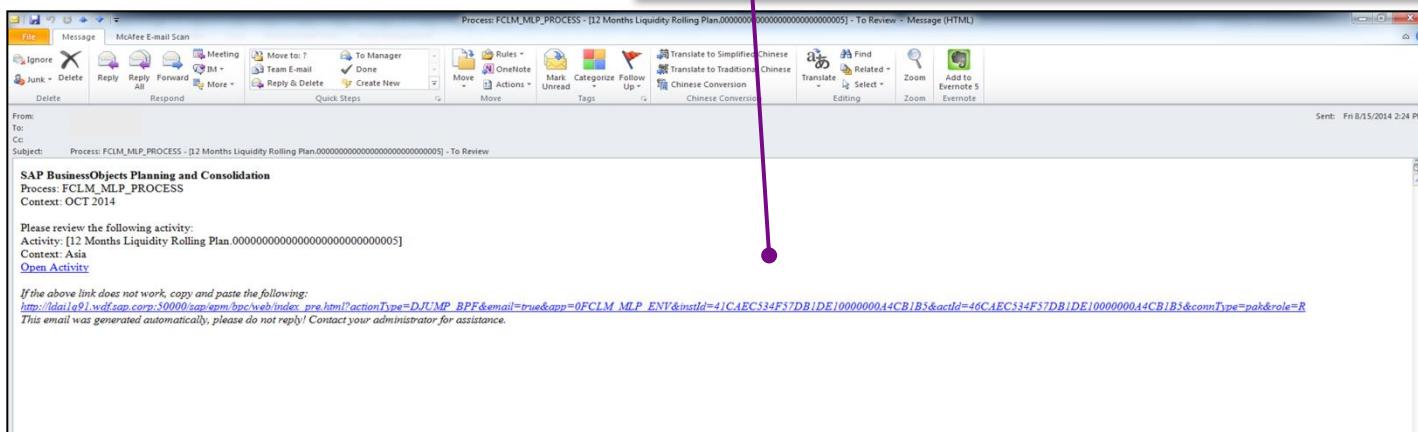
Group Cash Manager – Get the notification

Group Cash Manager receives an email notification asking him/her to review the planning submitted by Subsidiary Cash Manager.

Group Cash Manager can also open the review activity from the 'Develop Liquidity Plans - Review Liquidity Plan' tile.

The screenshot shows the SAP Monthly Rolling Plan Query interface. The header includes the SAP logo, search bar, and navigation links. The main area displays a grid of liquidity forecast data for France Company, covering planning cycles from 201412 to 201503. The grid columns include Planning Currency (EUR), Liquidity Item, Conversion Currency, Conversion Partner, Liquidity Forecast, Plan Amount, and various months (DEC 2014, JAN 2015, FEB 2015, MAR 2015). The data covers categories like Cash (Cheques, central bank, postal giro/bank balance), Receivables, Liabilities, and various cash flow items. A vertical purple line connects this screenshot to the email message below.

Planning Currency	Liquidity Item	Conversion Currency	Conversion Partner	DEC 2014	JAN 2015	FEB 2015	MAR 2015
	Cash (Cheques, central bank, postal giro/bank balance)	#	-				
	Third parties	#	-				
	Receivables	#	-				
	Liabilities	#	-				
	B Cash Flow from operating, investing and capital activities	USD	HeadQuarter	1.860,00 EUR			
		#	-	72.330,00 EUR	81.400,00 EUR		86.680,00 EUR
	B Cash Flow from operating activities	USD	HeadQuarter	1.860,00 EUR			
		#	-	72.330,00 EUR	81.400,00 EUR		86.680,00 EUR
	B Operative Cash Inflow	USD	HeadQuarter	860,00 EUR			
		#	-	72.330,00 EUR	81.400,00 EUR		86.680,00 EUR
	B Trade Receivables	#	-				
	Trade receivables - Affiliated companies	#	-				
	Trade Receivables -IDES-D	#	-				
	Trade receivables - Third parties	#	-				
	Other Cash Inflow	#	-		72.330,00 EUR	81.400,00 EUR	86.680,00 EUR
	Hedging of operating activities - Cash inflow	USD	HeadQuarter	860,00 EUR			
		#	-	72.330,00 EUR	81.400,00 EUR		86.680,00 EUR
	B Operative Cash Outflow	USD	HeadQuarter	1.000,00 EUR			
		#	-				
	B Trade payables	#	-				
	Trade payables - Affiliated companies	#	-				
	Trade payables -IDES-D	#	-				
	Trade payables - Third parties	#	-				
	Other Cash Outflow	#	-				



Develop Liquidity Plans

Group Cash Manager – Review Liquidity Plans

Monthly Rolling Plan Query
No Filter Defined

Review Planning Unit: Germany Company Planning Cycle: 201402 Planning Status: Submitted

Planning Currency	Liquidity Item	Conversion Currency	Conversion Partner	Liquidity Forecast	Plan Amount	Liquidity Forecast	Plan Amount
EUR	Opening Balance	#	-		20.000,00 EUR		14.000,00 EUR
	Affiliated companies	#	-		10.000,00 EUR		10.000,00 EUR
	Receivables	#	-		10.000,00 EUR		10.000,00 EUR
	Liabilities	#	-				
	Cash Pool Receivables	#	-				
	Cash Pool Liabilities	#	-				
	Bank	#	-		10.000,00 EUR		4.000,00 EUR
	Bank Deposit	#	-		10.000,00 EUR		4.000,00 EUR
	Loans and overdrafts	#	-				
	Cash (Cheques, central bank, postal giro/bank balance)	#	-				
	Third parties	#	-				
	Receivables	#	-				
	Liabilities	#	-				

Before Group Cash Manager make the decision of accepting or rejecting the plan, he/she can make use of the functions on the screen to help him review the plans from the subsidiaries.

In dropdown list opened from Reference Data button, Group Cash Manager can:

- Check reference data from different reference source.

In dropdown list opened from Related Links button, Group Cash Manager can:

- Go to aggregation view to review the planning amount aggregated in aggregation currency configured on the group.
- Go to Liquidity Plans app to check various analysis reports.
- Check plan from previous cycle.
- Check the planning status of the subsidiaries.

Show

Select Reference Sources

Header Information Reference Data Related Links

Aggregation View
Analyze Liquidity Plans
View Plan from Previous Cycle
Status Tracker

180.466,00 EUR
180.466,00 EUR
180.466,00 EUR
93.566,00 EUR
6.666,00 EUR

Jump To Accept Reject

Develop Liquidity Plans

Group Cash Manager – Track Status

SAP

BPC Work Status

No Filter Defined

12-Month Rolling Plan: Status Tracker

Empty - New	1 - In Process		2 - Submitted		3 - Completed							
Planning Cycle	JAN 2014	FEB 2014	MAR 2014	APR 2014	MAY 2014	JUN 2014	JUL 2014	AUG 2014	SEP 2014	OCT 2014	NOV 2014	DEC 2014
Planning Unit	Planning Status											
IDEAS Group												
HeadQuarter			1	2								
Europe												
Germany Company			1	1								
France Company	1			2								
Asia												
China Company												
Beijing Subsidiary			1	1								
Americas												
Canada Company			1	1								
USA Company												
South China										2		
Shanghai Subsidiary										2		
Shanghai subsidiary2											1	

Show Navigation Panel

Jump To

Group Cash Manager can also track the planning status by planning unit hierarchy. When the planning deadline is approaching, he/she can identify the subsidiaries which haven't submitted their plans and contact the responsible subsidiary cash manager to check what happened.

Agenda

1 Business Context

2 Explanation of Functionality

Develop Liquidity Plans

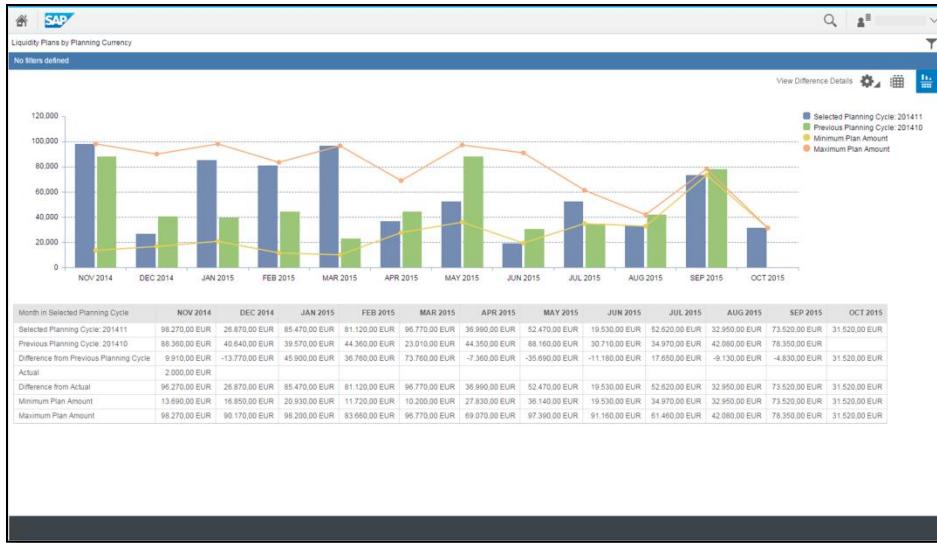
Liquidity Plans

Liquidity Forecast

Cash Flow

Explanation of Functionality

Liquidity Plans



Business/Process Context

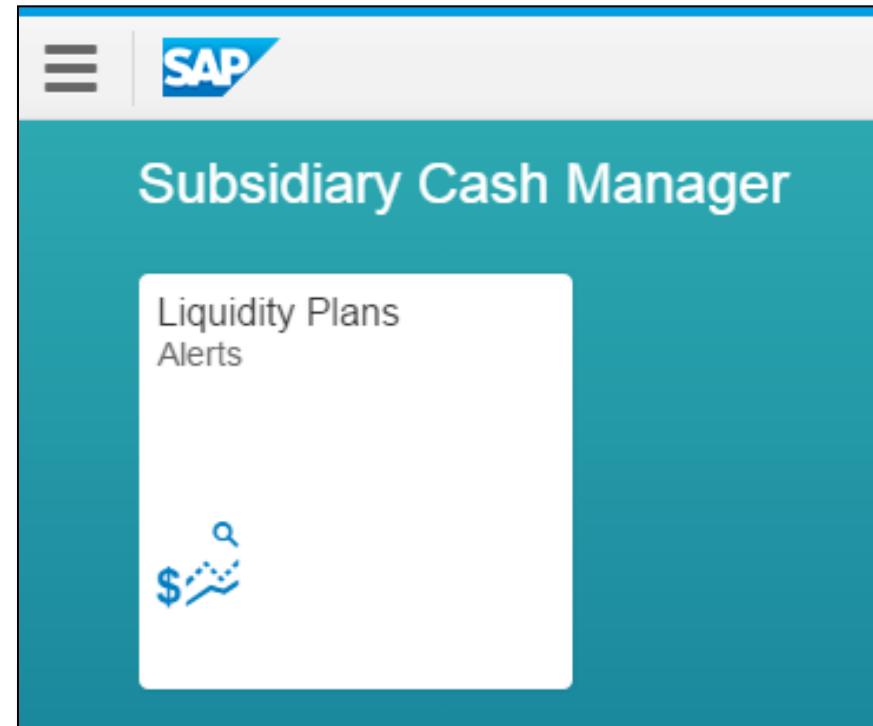
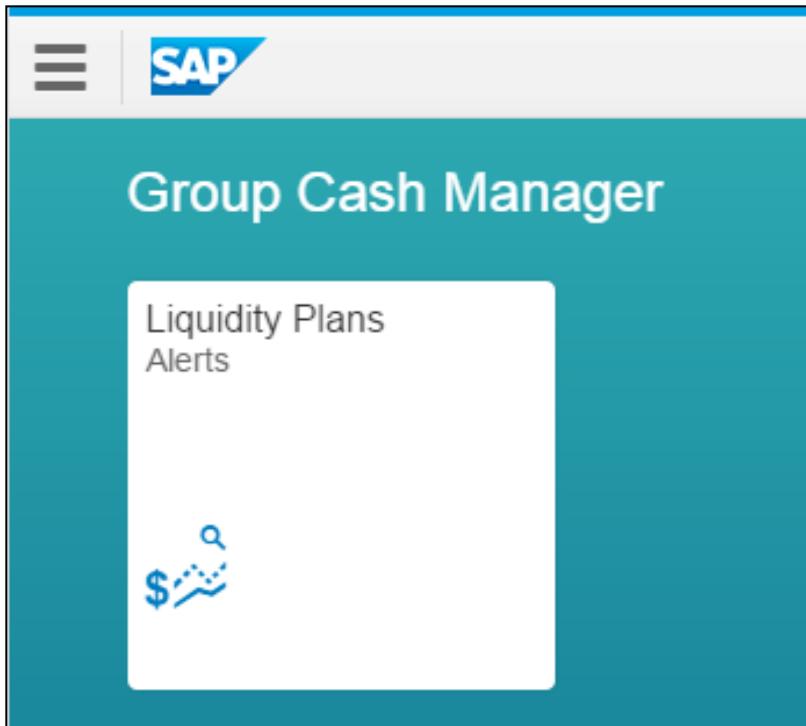
Cash managers need various reports analyzing the liquidity plans to help him/her increase the reliability of the liquidity plans. Typically, the continuous analysis of actual, plan and forecast data, and alert of the significant difference between current plan and previous one is essential for cash manager to keep in track on each planning cycle.

Features and Capabilities

- Plan – Plan, Plan – Forecast, and Plan – Actual comparison
- Overview suspicious plans
- Drilldown from the Alerts to Liquidity Plans by Planning Currency or Aggregation Currency
- Liquidity Plans by Planning Currency or Aggregation Currency in graphic view and table view
- Navigate from Develop Liquidity Plan application to Liquidity Plans application
- Check Difference Detail by liquidity Item hierarchy in planning currency or aggregation currency

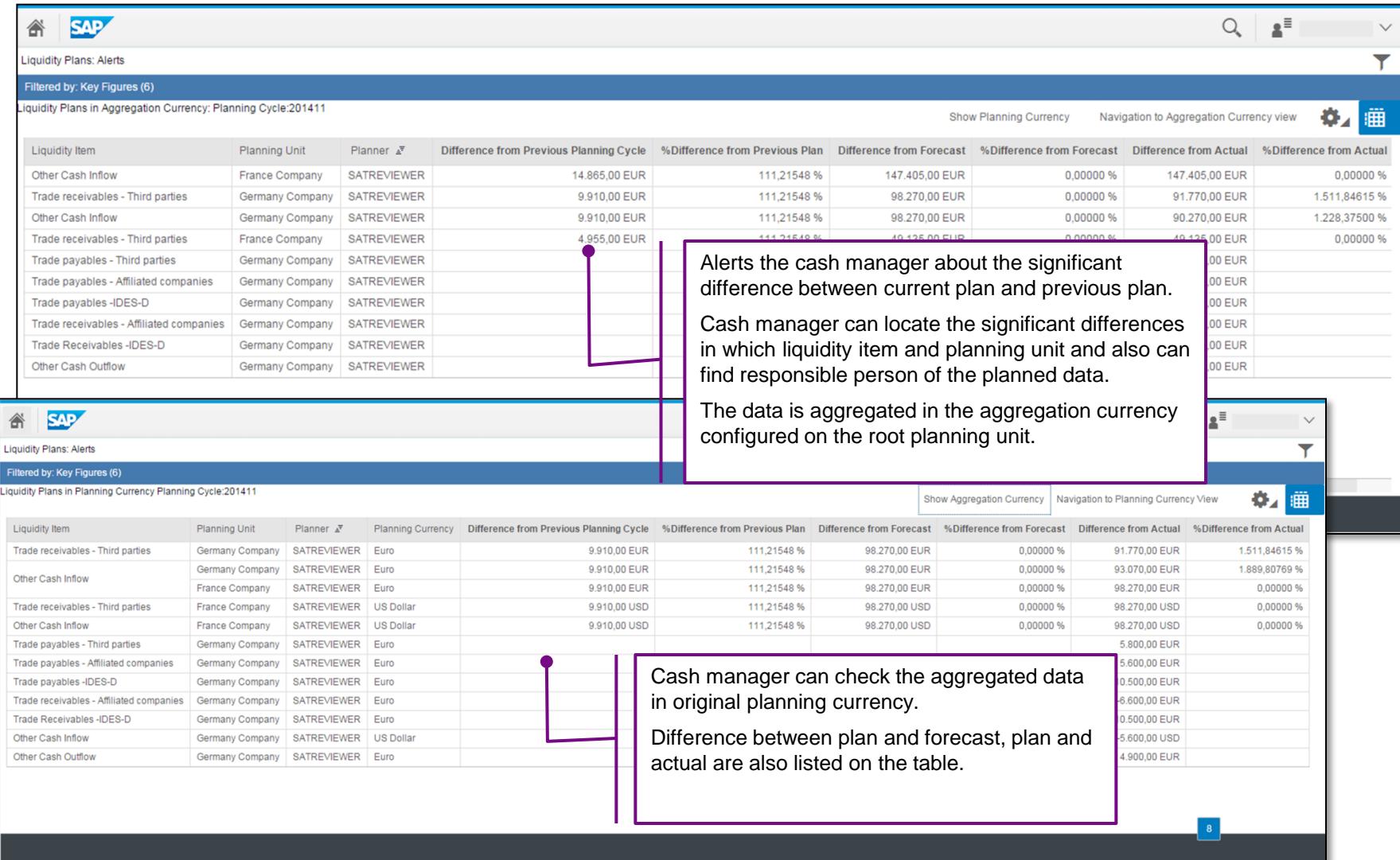
Liquidity Plans

Home



Liquidity Plans

Cash Manager – Overview Suspicious Plans



The screenshot shows two instances of the SAP Fiori application interface for liquidity plans. Both instances have a blue header bar with the SAP logo, navigation icons, and a search/filter icon.

Header Bar:

- Liquidity Plans: Alerts
- Filtered by: Key Figures (6)
- Liquidity Plans in Aggregation Currency: Planning Cycle:201411
- Show Planning Currency
- Navigation to Aggregation Currency view
- Filter icon
- Grid icon

Table 1 (Top): Liquidity Plans in Aggregation Currency

Liquidity Item	Planning Unit	Planner	Difference from Previous Planning Cycle	%Difference from Previous Plan	Difference from Forecast	%Difference from Forecast	Difference from Actual	%Difference from Actual
Other Cash Inflow	France Company	SATREVIEWER	14.865,00 EUR	111,21548 %	147.405,00 EUR	0,00000 %	147.405,00 EUR	0,00000 %
Trade receivables - Third parties	Germany Company	SATREVIEWER	9.910,00 EUR	111,21548 %	98.270,00 EUR	0,00000 %	91.770,00 EUR	1.511,84615 %
Other Cash Inflow	Germany Company	SATREVIEWER	9.910,00 EUR	111,21548 %	98.270,00 EUR	0,00000 %	90.270,00 EUR	1.228,37500 %
Trade receivables - Third parties	France Company	SATREVIEWER	4.955,00 EUR	144,24549 %	40.125,00 EUR	0,00000 %	40.125,00 EUR	0,00000 %
Trade payables - Third parties	Germany Company	SATREVIEWER					00 EUR	
Trade payables - Affiliated companies	Germany Company	SATREVIEWER					00 EUR	
Trade payables -IDES-D	Germany Company	SATREVIEWER					00 EUR	
Trade receivables - Affiliated companies	Germany Company	SATREVIEWER					00 EUR	
Trade Receivables -IDES-D	Germany Company	SATREVIEWER					00 EUR	
Other Cash Outflow	Germany Company	SATREVIEWER					00 EUR	

A callout box highlights the difference between the current plan and previous plan (e.g., 144,24549 %) and states: "Alerts the cash manager about the significant difference between current plan and previous plan. Cash manager can locate the significant differences in which liquidity item and planning unit and also can find responsible person of the planned data."

Table 2 (Bottom): Liquidity Plans in Planning Currency

Liquidity Item	Planning Unit	Planner	Planning Currency	Difference from Previous Planning Cycle	%Difference from Previous Plan	Difference from Forecast	%Difference from Forecast	Difference from Actual	%Difference from Actual
Trade receivables - Third parties	Germany Company	SATREVIEWER	Euro	9.910,00 EUR	111,21548 %	98.270,00 EUR	0,00000 %	91.770,00 EUR	1.511,84615 %
Other Cash Inflow	Germany Company	SATREVIEWER	Euro	9.910,00 EUR	111,21548 %	98.270,00 EUR	0,00000 %	93.070,00 EUR	1.889,80769 %
Trade receivables - Third parties	France Company	SATREVIEWER	Euro	9.910,00 EUR	111,21548 %	98.270,00 EUR	0,00000 %	98.270,00 EUR	0,00000 %
Other Cash Inflow	France Company	SATREVIEWER	US Dollar	9.910,00 USD	111,21548 %	98.270,00 USD	0,00000 %	98.270,00 USD	0,00000 %
Trade payables - Third parties	Germany Company	SATREVIEWER	Euro					5.800,00 EUR	
Trade payables - Affiliated companies	Germany Company	SATREVIEWER	Euro					5.600,00 EUR	
Trade payables -IDES-D	Germany Company	SATREVIEWER	Euro					0.500,00 EUR	
Trade receivables - Affiliated companies	Germany Company	SATREVIEWER	Euro					-6.600,00 EUR	
Trade Receivables -IDES-D	Germany Company	SATREVIEWER	Euro					0.500,00 EUR	
Other Cash Inflow	Germany Company	SATREVIEWER	US Dollar	9.910,00 USD	111,21548 %	98.270,00 USD	0,00000 %	98.270,00 USD	0,00000 %
Other Cash Outflow	Germany Company	SATREVIEWER	Euro					-5.600,00 USD	

A callout box highlights the aggregated data in the original planning currency (euro) and states: "Cash manager can check the aggregated data in original planning currency. Difference between plan and forecast, plan and actual are also listed on the table."

Liquidity Plans

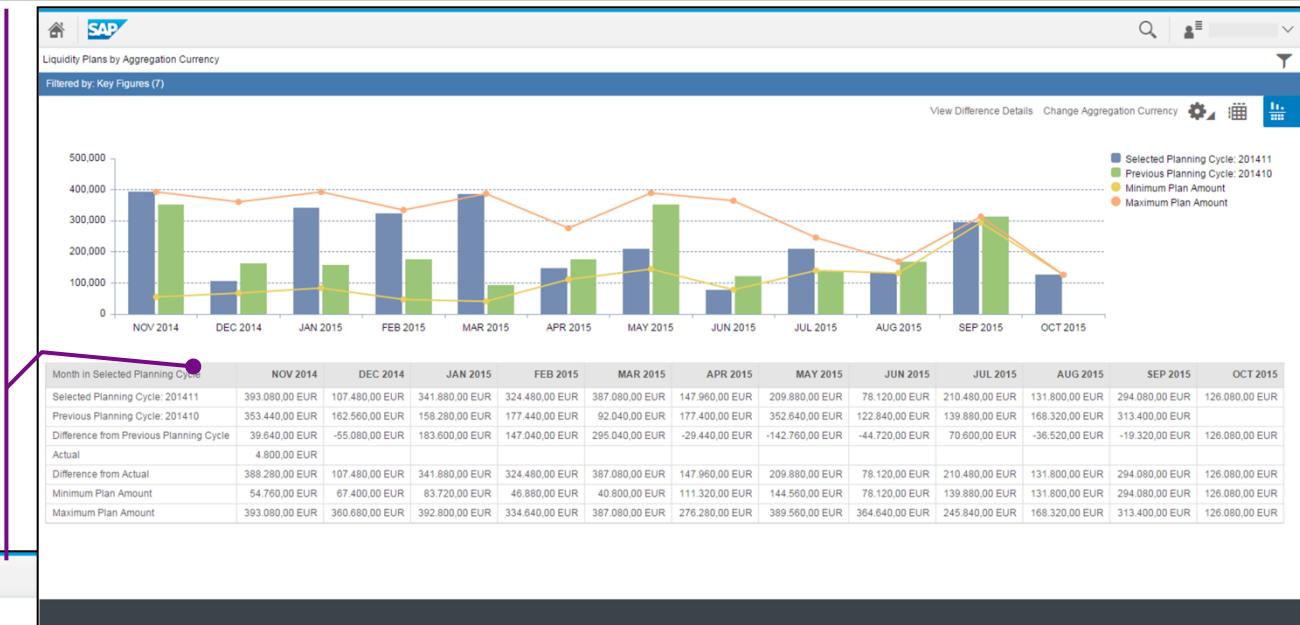
Cash Manager – Liquidity Plans by Aggregation or Planning Currency

Liquidity plan by Planning/Aggregation Currency graphic view.

On this view, cash manager can compare selected planning cycle's plan amount with previous planning cycle's, and with actual transaction data.

Also minimum and maximum plan amount from last 12 planning cycles is calculated for each calendar month involved in the planning of selected planning cycle.

In the chart, cash manager can get a clear view for the plan gap, plan trend, and plan position between minimum and maximum plan data.



The table provides a detailed breakdown of monthly liquidity plans for 12 planning cycles (201411 to 201312). It includes columns for Forecast, Actual, and various planning cycles. The X-axis lists months from NOV 2014 to OCT 2015. The Y-axis lists planning cycles. The table shows significant fluctuations in plan amounts between different planning cycles and over time.

Month in Selected Planning Cycle	NOV 2014	DEC 2014	JAN 2015	FEB 2015	MAR 2015	APR 2015	MAY 2015	JUN 2015	JUL 2015	AUG 2015	SEP 2015	OCT 2015
Forecast	-6,666,666.67 EUR		1,428.80 EUR	1,500.00 EUR	675.00 EUR							
Actual	4,800.00 EUR											
Planning Cycle: 201411	393,080.00 EUR	107,480.00 EUR	341,880.00 EUR	324,480.00 EUR	387,080.00 EUR	147,960.00 EUR	209,880.00 EUR	78,120.00 EUR	210,480.00 EUR	131,800.00 EUR	294,080.00 EUR	126,080.00 EUR
Planning Cycle: 201410	353,440.00 EUR	162,560.00 EUR	158,280.00 EUR	177,440.00 EUR	92,040.00 EUR	177,400.00 EUR	352,640.00 EUR	122,840.00 EUR	139,880.00 EUR	168,320.00 EUR	313,400.00 EUR	
Planning Cycle: 201409	329,280.00 EUR	67,400.00 EUR	152,160.00 EUR	317,480.00 EUR	199,480.00 EUR	232,520.00 EUR	389,560.00 EUR	364,640.00 EUR	245,840.00 EUR	144,680.00 EUR		
Planning Cycle: 201408	309,280.00 EUR	117,560.00 EUR	221,040.00 EUR	46,880.00 EUR	309,640.00 EUR	111,320.00 EUR	242,000.00 EUR	211,560.00 EUR	140,320.00 EUR			
Planning Cycle: 201407	100,120.00 EUR	187,080.00 EUR	88,800.00 EUR	334,640.00 EUR	40,800.00 EUR	180,960.00 EUR	274,160.00 EUR	279,600.00 EUR				
Planning Cycle: 201406	347,280.00 EUR	360,680.00 EUR	372,520.00 EUR	60,040.00 EUR	338,600.00 EUR	113,480.00 EUR	144,560.00 EUR					
Planning Cycle: 201405	67,960.00 EUR	345,640.00 EUR	95,800.00 EUR	86,400.00 EUR	100,080.00 EUR	276,280.00 EUR						
Planning Cycle: 201404	198,600.00 EUR	151,640.00 EUR	123,720.00 EUR	246,720.00 EUR	378,560.00 EUR							
Planning Cycle: 201403	54,760.00 EUR	291,560.00 EUR	392,800.00 EUR	172,280.00 EUR								
Planning Cycle: 201402	92,840.00 EUR	263,520.00 EUR	83,720.00 EUR									
Planning Cycle: 201401	168,760.00 EUR	182,720.00 EUR										
Planning Cycle: 201312	208,565.00 EUR											

Liquidity plan by Planning/Aggregation Currency table view.

In this view, cash manager can know the plan amount from last 12 planning cycles, actual data and forecast data on 12 calendar months involved in planning of selected planning cycle.

Liquidity Plans

Cash Manager – Check Difference Details by Aggregation or Planning Currency

The screenshot shows the SAP Cash Manager interface for Liquidity Plans. The main table displays liquidity items and their values across different planning cycles. A callout box highlights the 'Difference Details by Aggregation Currency' feature, which provides detailed information about the aggregation of planning amounts.

Table Headers:

- Liquidity Item
- Selected Planning Cycle: 201411
- Previous Planning Cycle: 201410
- Difference from Previous Plan
- %Difference from Previous Plan
- Actual
- Difference from Actual
- %Difference from Actual

Table Data (Partial):

Cash Flow from operating activities	393.080,00 EUR	353.440,00 EUR	39.640,00 EUR	111,21548 %	4.800,00 EUR	388.280,00 EUR	8.189,16667 %
Operative Cash Inflow	393.080,00 EUR	353.440,00 EUR	39.640,00 EUR	111,21548 %	4.800,00 EUR	388.280,00 EUR	8.189,16667 %
Trade Receivables	147.405,00 EUR	132.5	14.905,00 EUR	111,21548 %	4.800,00 EUR	132.5	111,21548 %
Trade receivables - Affiliated companies							
Trade Receivables -IDES-D							
Trade receivables - Third parties	147.405,00 EUR	132.5	14.905,00 EUR	111,21548 %	4.800,00 EUR	132.5	111,21548 %
Other Cash Inflow	245.675,00 EUR	220.9	24.775,00 EUR	111,21548 %	4.800,00 EUR	245.675,00 EUR	111,21548 %
Hedging of operating activities - Cash inflow							
Operative Cash Outflow							
Trade payables							
Trade payables - Affiliated companies							
Trade payables -IDES-D							
Trade payables - Third parties							
Other Cash Outflow							
Hedging of operating activities - Cash outflow							

Callout Box Content:

When cash manager check the analysis on graphic view of Liquidity Plan by Planning / Aggregation Currency screen, he/she can navigate to Difference Details by Planning / Aggregation Currency to check the detailed planning amount by liquidity item hierarchy in order to locate suspicious amount belonging to which liquidity item.

When cash manager checks the Difference Details by Aggregation Currency , he can selected a row to check how the planning amount of selected planning cycle is aggregated.

In the popup, cash manager can check the distribution of the total amount by planning currency and also check the related exchange rate.

Agenda

1 Business Context

2 Explanation of Functionality

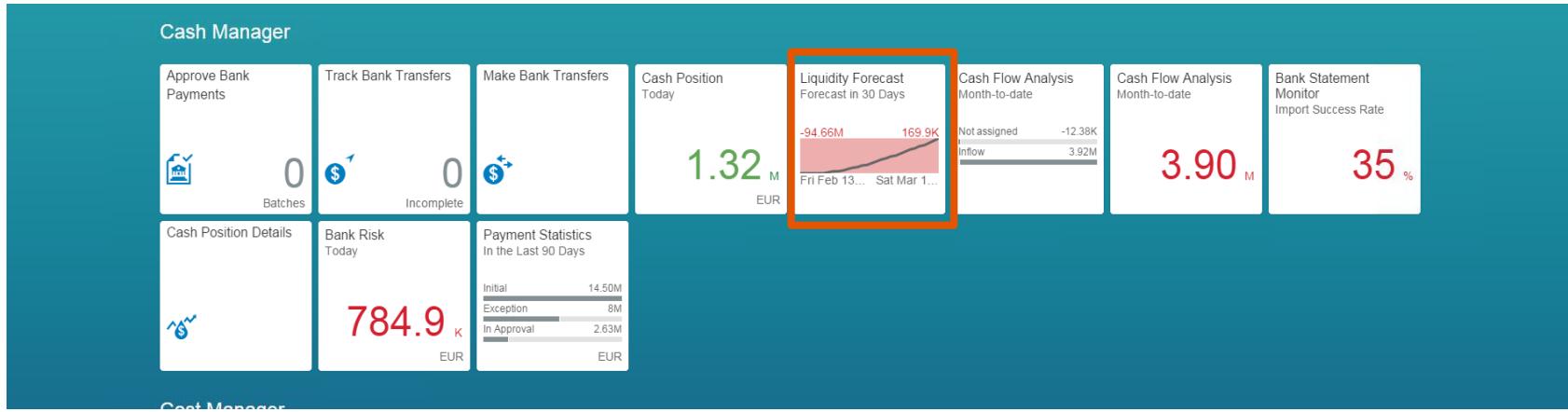
Develop Liquidity Plans

Liquidity Plans

Liquidity Forecast

Cash Flow

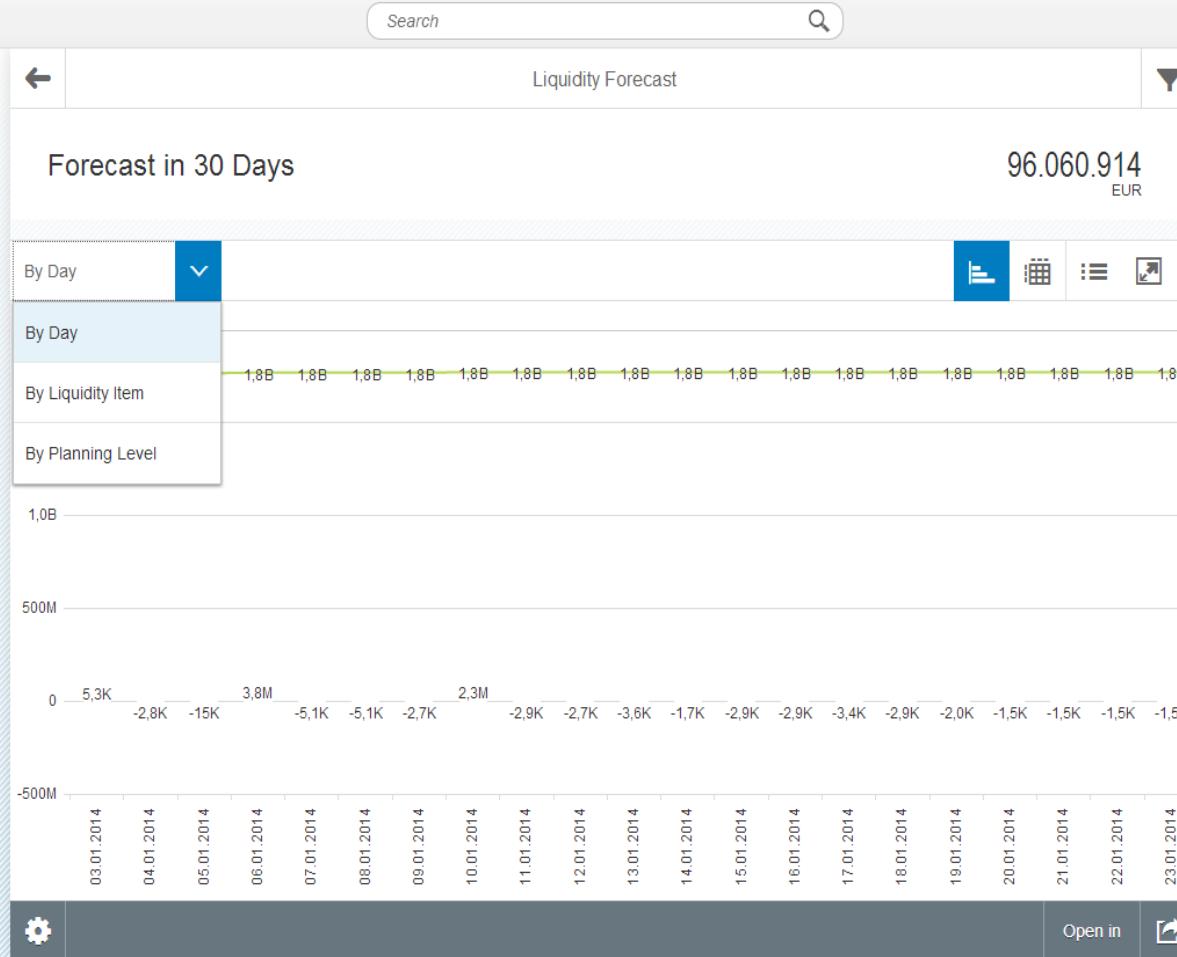
Liquidity Forecast Tile



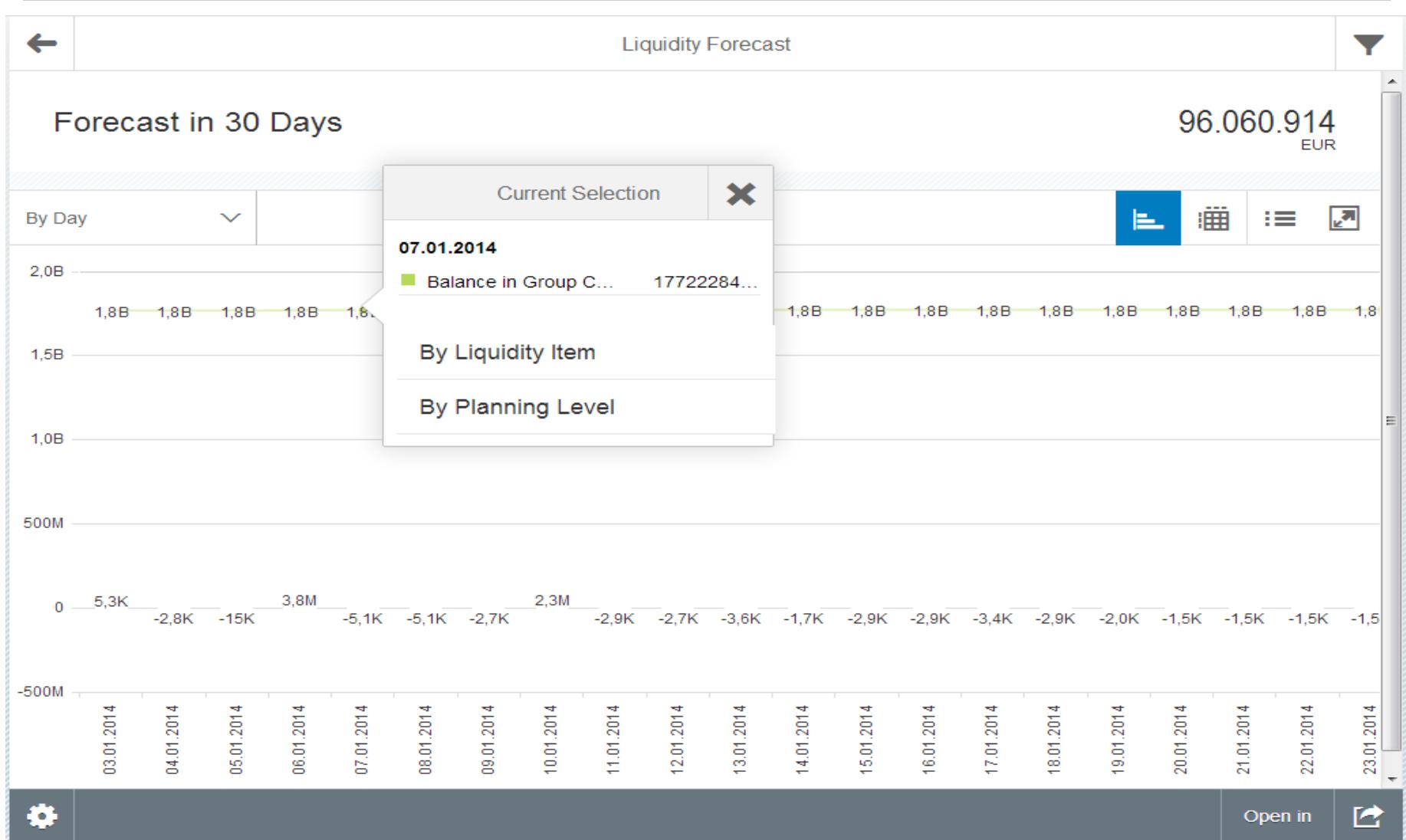
Liquidity Forecast

- The analytical app displays the Key Performance Indicator (KPI) Liquidity Forecast. With Liquidity Forecast, you can forecast the liquidity trend for future days.
- BOM Link: [https://boma0d717969.hana.ondemand.com/sap/fix/externalViewer/#/detail/Apps\('F0512'\)/W6](https://boma0d717969.hana.ondemand.com/sap/fix/externalViewer/#/detail/Apps('F0512')/W6)

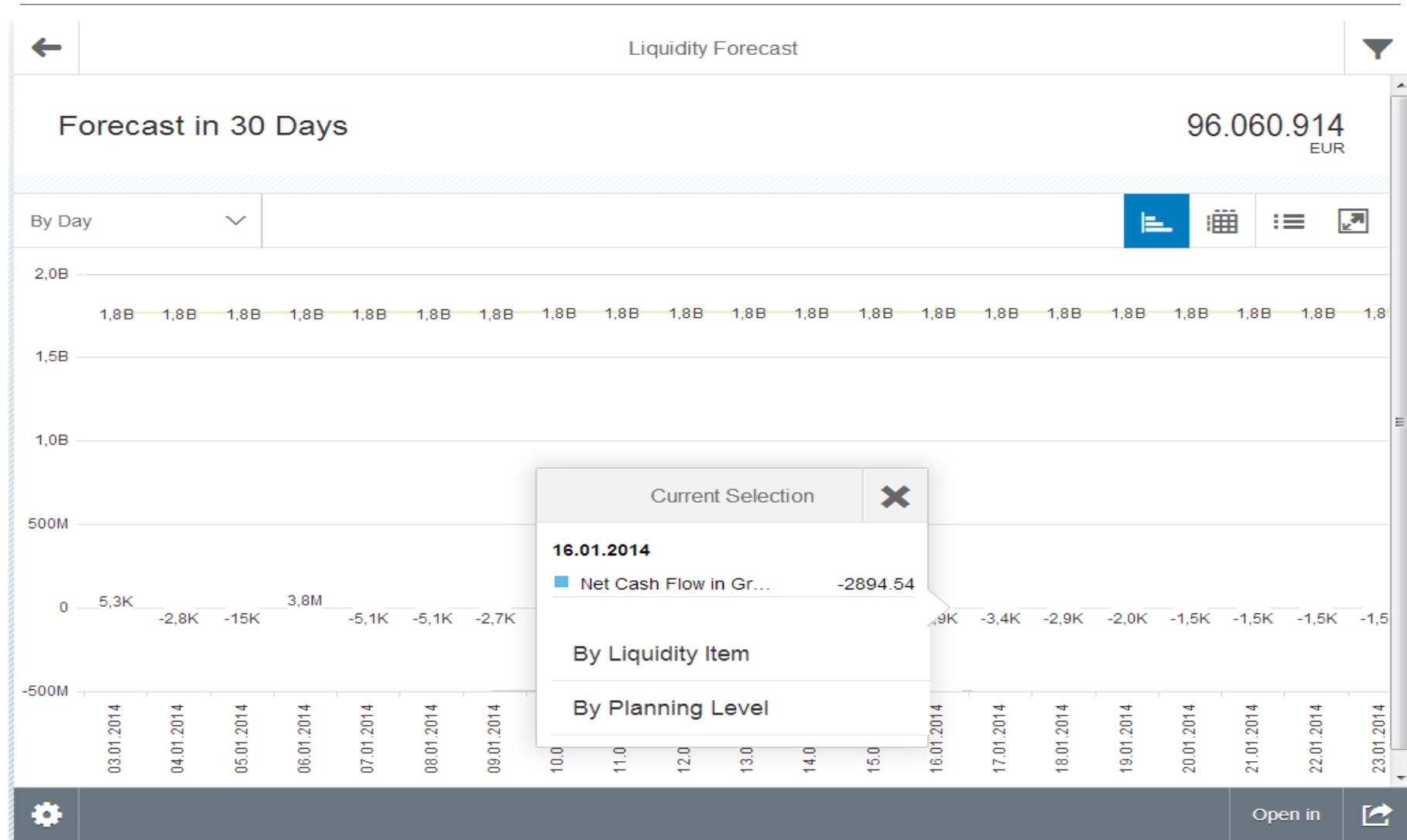
1. Home Page



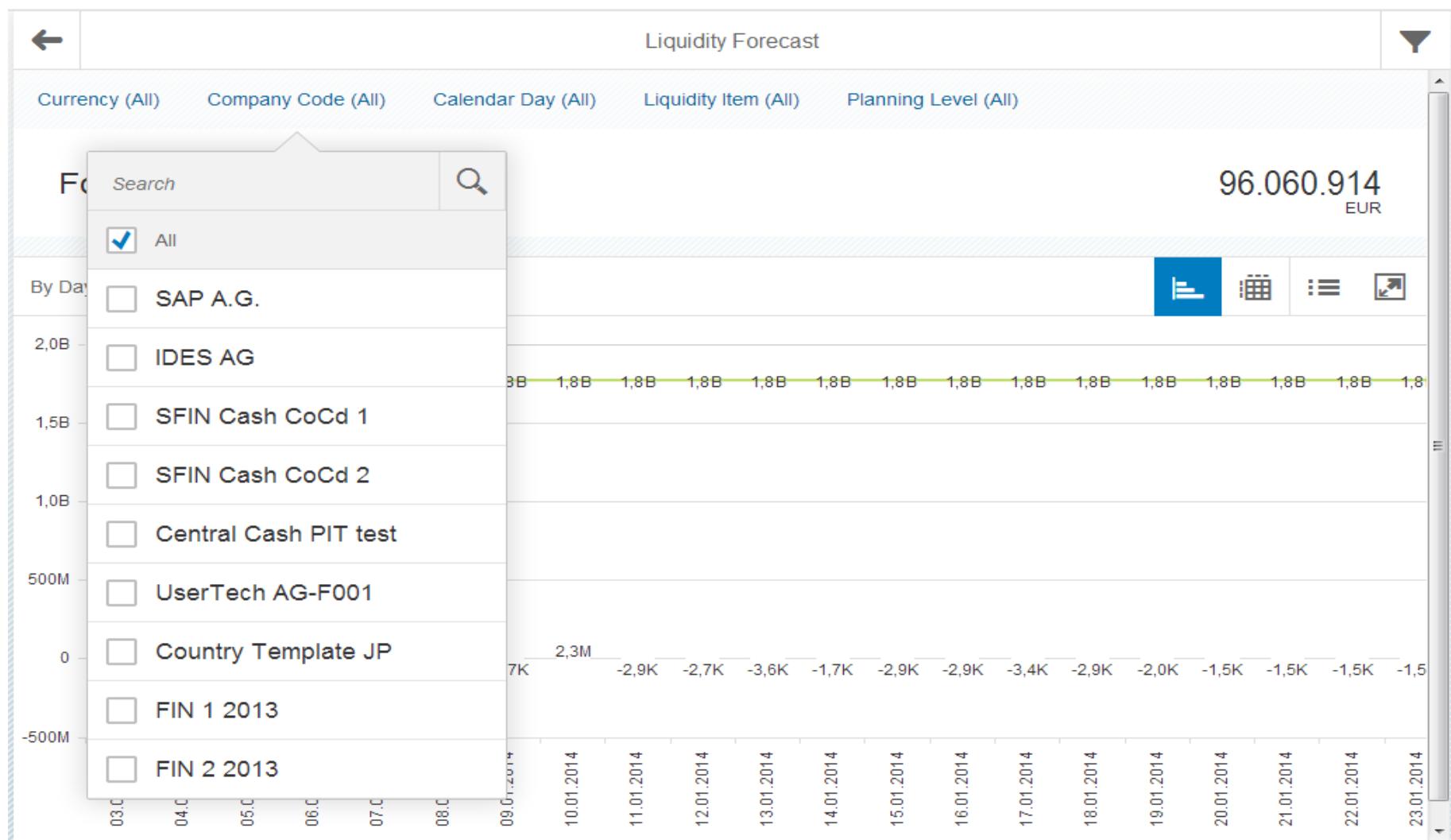
2 . Drill down (1)



3. Drill down (2)



4. Filter



Agenda

1 Business Context

2 Explanation of Functionality

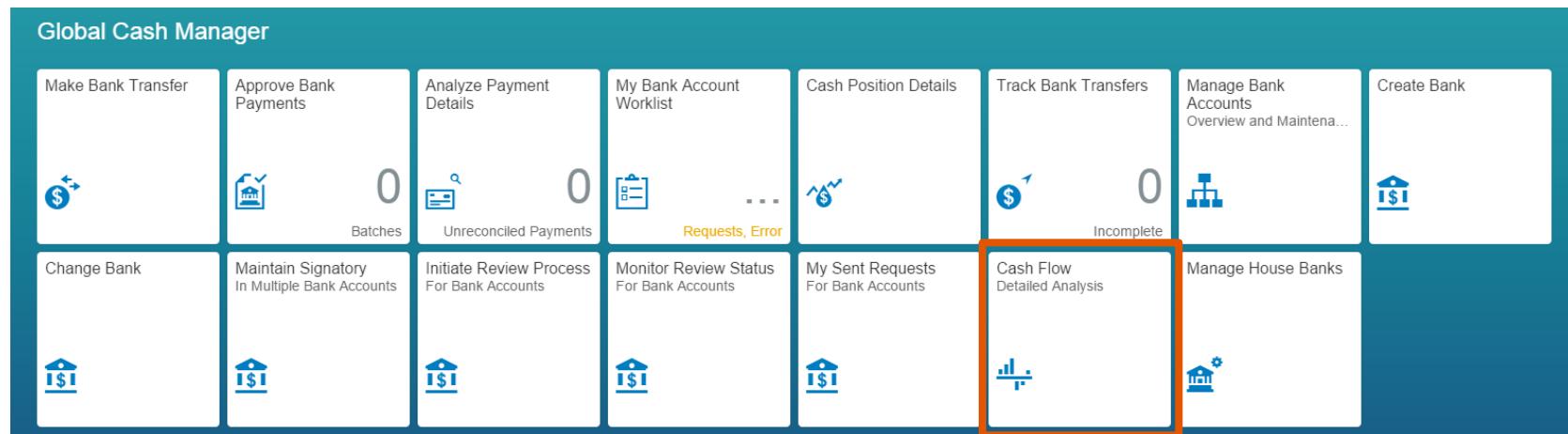
Develop Liquidity Plans

Liquidity Plans

Liquidity Forecast

Cash Flow

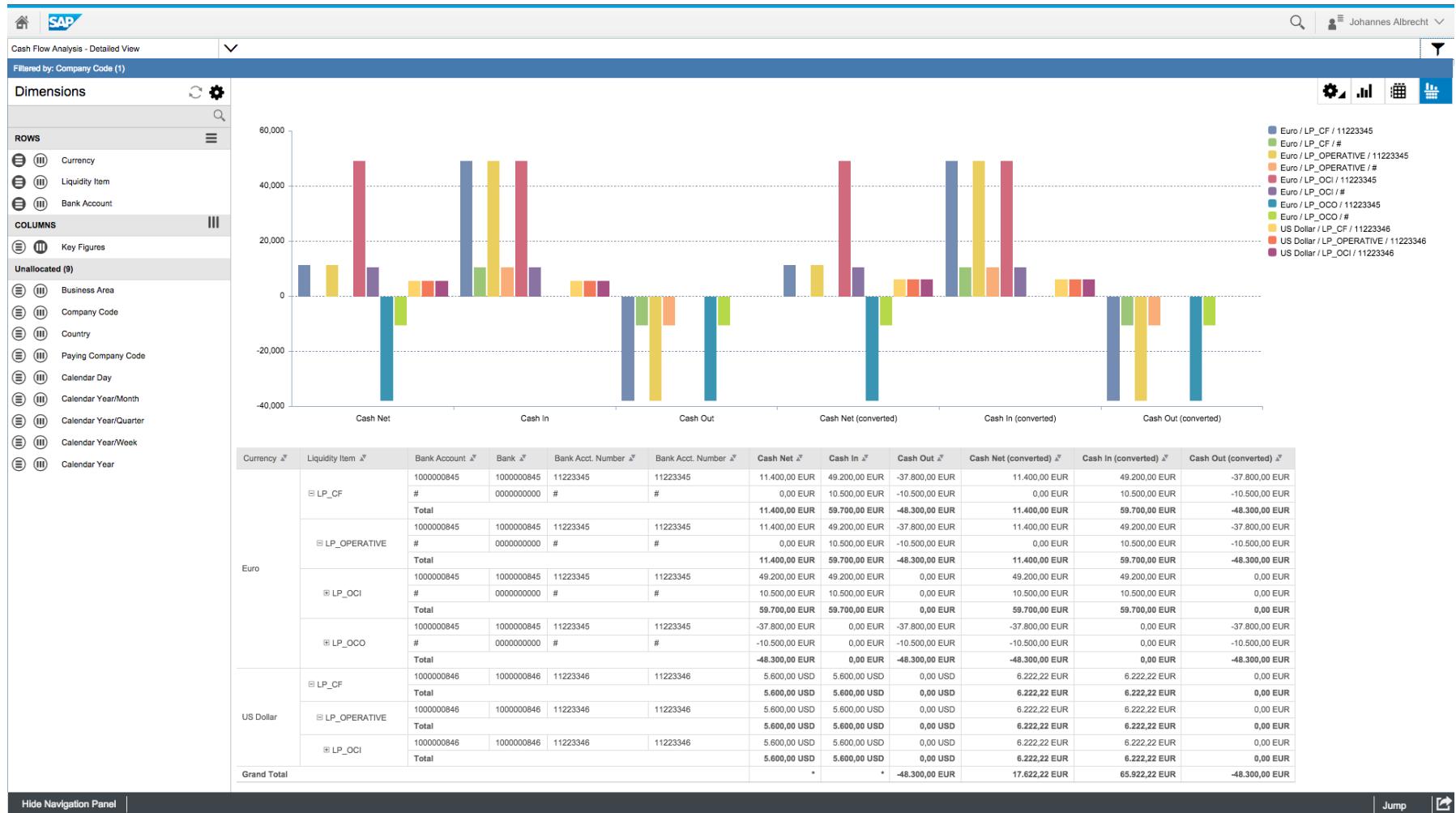
Cash Flow Tile



Cash Flow – Detailed Analysis

- With the Cash Flow - Detailed Analysis app, you can get an overview of the daily cash inflows and outflows, and analyze them for the last weeks or months for all subsidiaries and liquidity items. You can then identify the extraordinary and abnormal cash flows, ensure that they were accurate and compliant, and that they have taken the liquidity planning into account. The data presented in the app can be used to give an overview of the cash flow status to the management.
- Cash inflows and outflows are calculated in remote systems (with the help of the SAP Liquidity Planner) and transferred periodically into the central Cash Management system
- BOM Link: [https://boma0d717969.hana.ondemand.com/sap/fix/externalViewer/#/detail/Apps\('F0740'\)/W7](https://boma0d717969.hana.ondemand.com/sap/fix/externalViewer/#/detail/Apps('F0740')/W7)

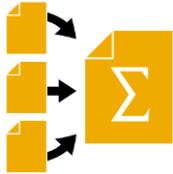
Cash Flow Analysis – Detailed View



Cash Flow Detailed Analysis

- Consumes FQM_FLOW table for amounts only
- Very fine granularity in FQM_FLOW
- Driven by key figures for allocated cash
- Liquidity Items from invoice level – dates and amounts from bank statement level
- Uses ABAP Query Service for consumption → easy to maintain, fast & reliable

Lesson Summary



You should now be able to

- Describe the business context of Liquidity Management
- Describe the detailed feature of Liquidity Management