

# Das SAP-Zinsmanagement in Zeiten der Unsicherheit

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November 2, 2022

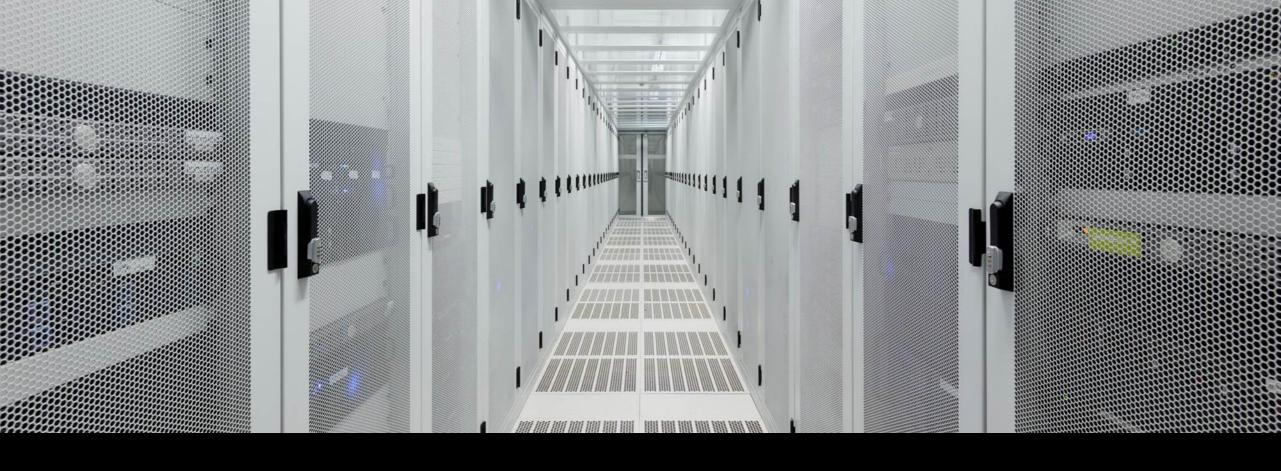
Steffen Diel, Head of Global Treasury, SVP Marvin Schmitt, Head Treasury Finance (Co-Lead) SAP SE





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### Introduction

### Times of Uncertainty

**Sovereign Debt Crisis?** 



The ECB's latest attempt to hold the Economist euro zone together

#### **Geopolitical Uncertainties**



#### **Role of Central Banks**



Economic cool down and global recession fears

Inflation Collides With Growth Fears to Trigger Big Swings in the Bond Market

10-year Treasury yield nearly reached 3.5% after inflation report but dropped as investors grew more worried about growth



#### Investors

Our investment conviction is that sustainability- and climate-integrated portfolios can provide better riskadjusted returns to investors. And with the impact of sustainability on investment returns increasing, we believe that sustainable investing is the strongest foundation for client portfolios going forward.

Larry Fink, Chairman and CEO of BlackRock

#### **Pandemic**



## **OUR**

## PURPOSE Help the world run better and improve people's lives



#### **OUR VISION** Guides us

Reinvent how the world runs as a network of intelligent, sustainable enterprises



Intelligent, sustainable enterprises

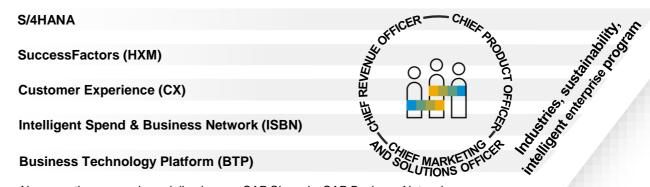


Business network



3 Sustainable world

#### **OUR OPERATING MODEL** Unites us



New growth areas and specialized areas: SAP Signavio, SAP Business Network, SAP solutions for sustainability, Taulia, Qualtrics, supporting solution areas

### Customers

- SAP customers generate 87% of total global commerce (\$46 trillion)
- 99 of the 100 largest companies in the world are SAP customers
- 97 of the 100 greenest companies in the world run SAP
- 85 of the 100 largest companies in the world are SAP S/4HANA customers
- Approximately 80% of SAP's customers are SME

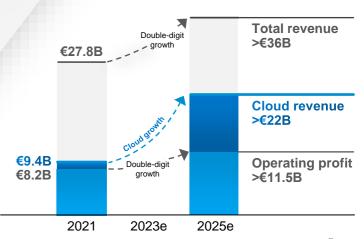
### **Key Financial Figures**

Market leader in enterprise application software Leading analytics and business intelligence company

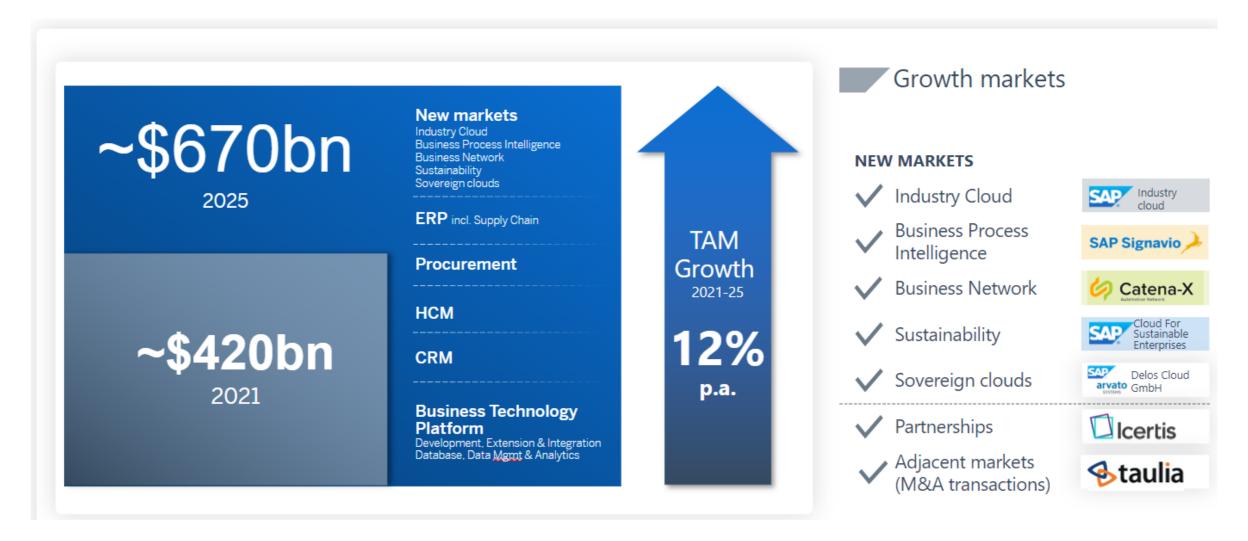
- Group Financial Debt by Sept. 30, 2022: EUR 12.3bn
- Group Liquidity by Sept. 30, 2022: EUR 8.6bn
- Group Net Debt by Sept. 30, 2022: EUR -3.7bn
- Total Revenue 2021: EUR 27.8bn
- Cloud Revenue 2021: EUR 9.6bn
- Operating Cash Flow 2021: EUR 6.2bn
- Free Cash Flow 2021: EUR 5bn

### **OUR 2025 AMBITION**

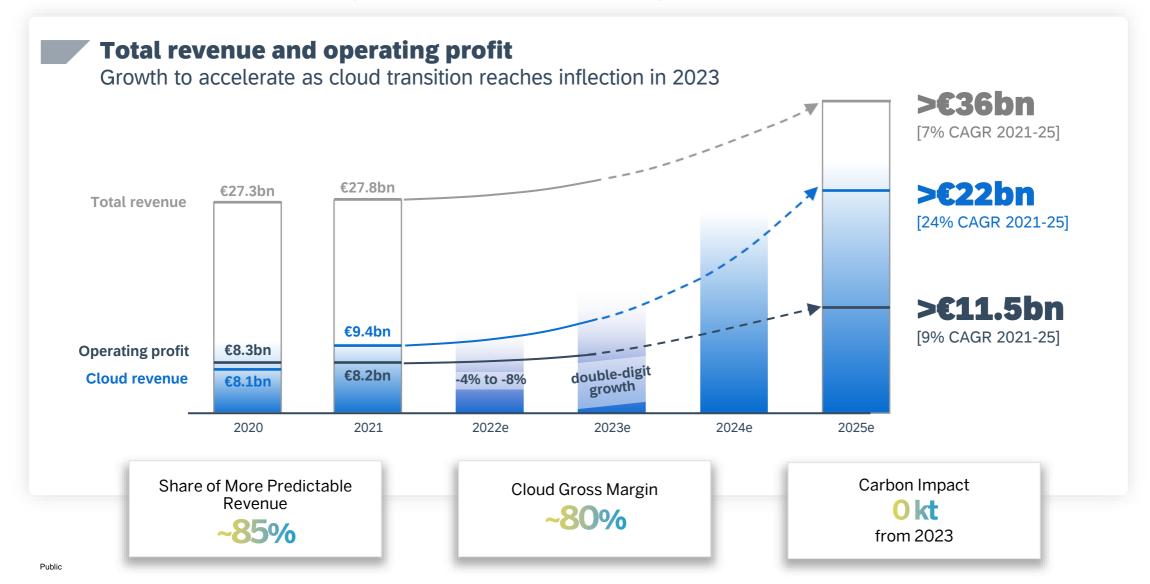
Is clear



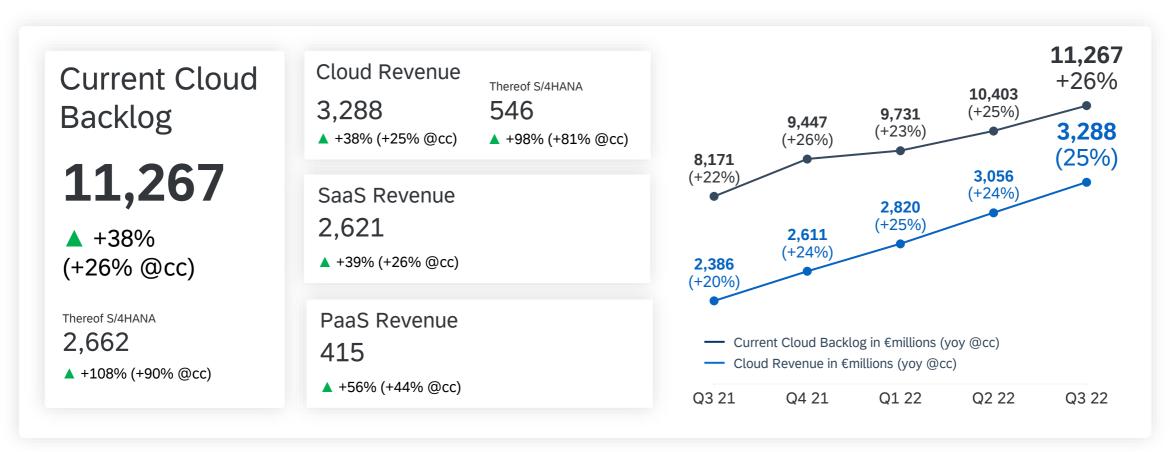
Market Expansion: Significant upside growth potential



Ambition 2025: Accelerating Profitable Growth Through 2025



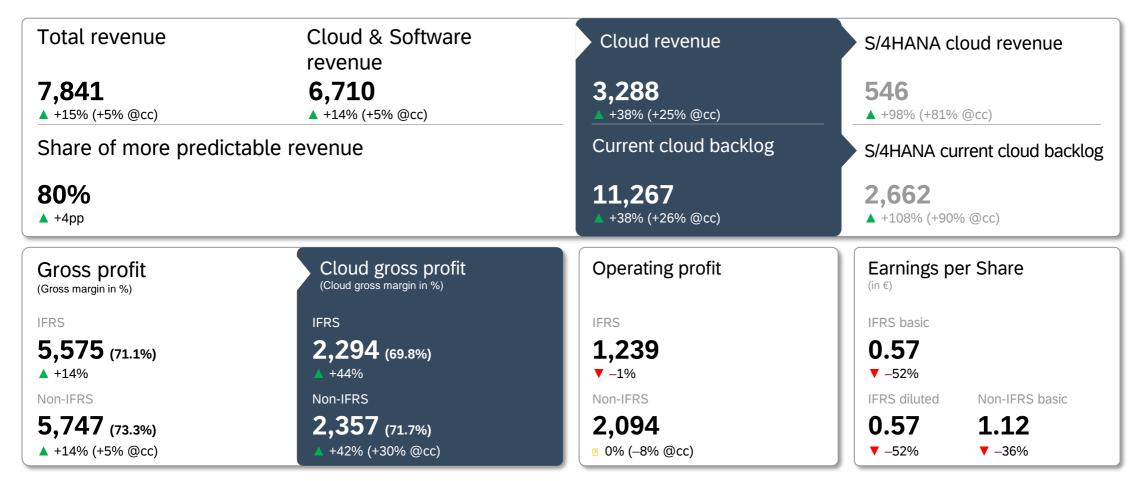
Strong Cloud Performance in Q3 2022 – Continuing Cloud Acceleration



All numbers are in € millions, non-IFRS unless otherwise stated.

### SAP Q3 2022 Financial Results

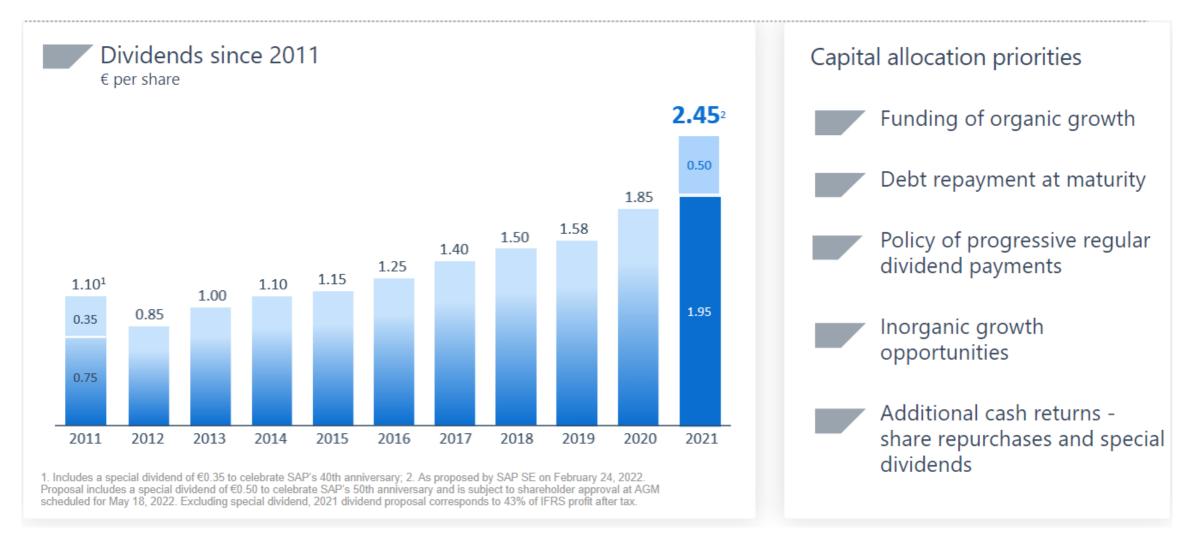
We keep the promise and grow strong in cloud revenues and current cloud backlog. But our transformation to the cloud comes at a cost.



In € millions, unless otherwise stated

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### **Capital Allocation**





# **Financing Strategy**

### **Global Treasury Organization**

#### **Group CFO**

#### **Head of Global Finance**

**Treasury Committee\* Head of Global Treasury Assistant** Treasury **Treasury Finance Treasury Center** Strategic Finance, **Front Office** Regional Treasury **Ariba Treasury** Concur **Operations & Equity & Liquidity** Ireland Center & US Markets **Processes** Dealing (FX, MM, External USD **Group Liquidity** Financing and Capital Liquidity + Working **US Investments &** Global Liquidity Cash Management Funding & Debt Securities, Equities, Planning Market Strategy Capital Markets Management Capital Management Derivatives) Investor Relations **US Financial Market** Strategic Finance Rating and Debt Liquidity Centralization Global Treasury Projects Local FX + Investments Internal Financing FX Hedging & Investor Relations Regulation Transactions Optimization Transactions Subsidiary Service & Regional Bank Short Term Liquidity Subsidiary Service & Capital Allocation Ariba Risk Management Expense Pay Share Buyback Relationship Planning Policy Policy Strategy & Execution Treasury Related Local Financial Global Relationship Stock Based Bank Account Dealing, FX Hedging Ariba Product Support Interest Rate and Accounting Forecast Administration **Business Support** Management Compensation Asset Management and Reporting Projects with In-House Bank Financial Risk Global Treasury Financial Market Bank Relationship Subsidiaries and Tax Management Management Project Support Management Regulation **Treasury Project** Worldwide Bank Support Post-Merger Connectivity Management Integration and Other **Projects ERP Related Project** Coordination SOX Compliance and Treasury Guideline

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SAP's Financing Strategy

Minimum Operating Group Liquidity

**Revolving Credit Facility** 

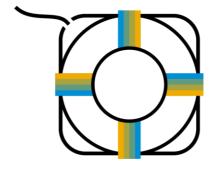
M&A driven external debt financing

**Credit Rating** 



>€5.5bn

Ensured by stable cash flows driven by recurring revenue streams



€2.5bn

Serves as back-up credit facility

20 participating banks

Relationship-defining character



€12.3bn\*

M&A activities since 2008

Optimal positioning of SAP in the current industry transformation, especially towards cloud business



**Credit Rating since 2014** 

Gives SAP the necessary strategic flexibility to obtain external financing & saves on interest expense

\* Acquisition-related financing including Commercial Paper Program, Eurobonds, US Private Placements (US PPs) and Term Loans as per September 30, 2022



Additional short-term funding sources

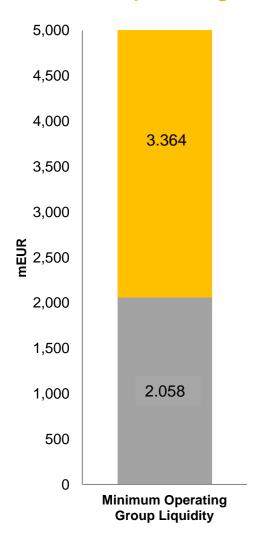
€ 2.5bn / 0.9bn

**Commercial Paper Program** 

€ 0.61bn / 0.0bn

**Bilateral Credit Lines (SAP SE)** 

### Minimum Operating Liquidity (MOL) SAP Group



#### Minimum Operating Group Liquidity is composed of two parts

- EUR 3.4bn: Liquidity that is needed to finance the cash-relevant operating expenses until related revenue payments are actually received (DSO)
  - The basic assumption of this rather conservative concept is that a subsidiary has centralized all of its cash to SAP SE
  - In that ideal case it would need to finance its cash-relevant operating expenses for a time period equivalent to its DSO figure

**Group DSO** 

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EUR 2.1bn: Liquidity in foreign countries that cannot be centralized due to legal and / or other restrictions (trapped cash), e.g. China, India, Venezuela etc.

### Minimum Operating Group Liquidity → EUR 5.5bn

1) Plan of operating expenses 2022 IFRS basis (deduction of depreciation and amortization and other non-cash expenses – assumption 20%)

M&A-driven External Debt Financing and Debt History

2007	> 2008	> 2010	> 2012	> 2012	> 2013	> 2014	> 2014	2018	> 2018
No major acquisitions	Business Objects	SYBASE	Successfactors' An SAP Company	ARIBA	cy hybris e-commerce y software	( FIELDGLASS	C. CONCUR	CallidusCloud	qualtrics
Acquisition price	€4.2bn	\$5.8bn	\$3.4bn	\$4.3bn	~€1.0bn	<€1.0bn	\$8.3bn	\$2.4bn	\$8.0bn
Financing instruments									
Term Loan	€3bn	€2.75bn	€1.0bn	€2.4bn	€1.0bn	€0.5bn	€7.0bn	€1.8bn	€2.5bn
Repayment	21 months	11 months	9 months	2 months	4 months	7 months	22 months	2 months	36 months
Schuld- schein	€0.7bn		No capital market transaction		No capital market transaction	No capital market transaction			
Eurobond		€2.2bn		€1.3bn			€4.5bn	€1.5bn	€4.5bn
US PP		\$1.25bn		\$1.4bn					

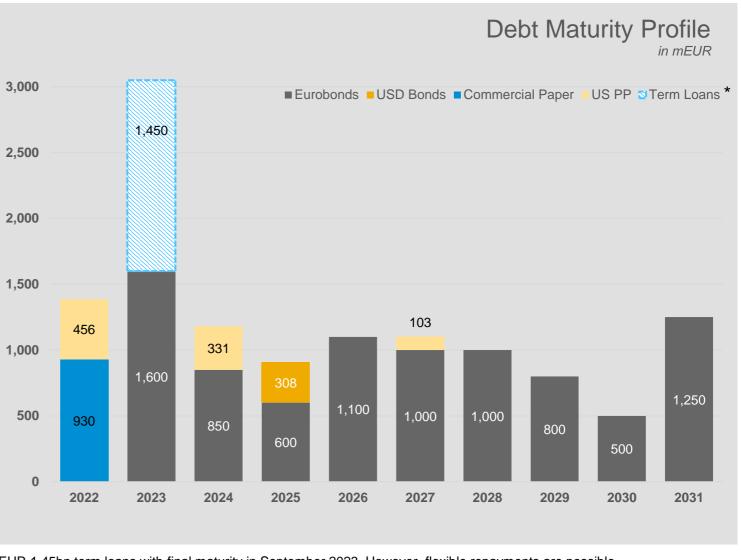


Starting in 2008, SAP changed its strategy from a pure organic growth to an acquisition-driven growth path. The change was mainly required regarding investments and the transformation into the cloud which is still persistent

**Debt Maturity Profile and Key KPIs** 

All figures in EURm unless otherwise stated







### Asset Liability Match (ALM) and Hedging of +7y Tenors

#### Two-step strategy for interest rate risk management:

#### **Asset Liability Match (ALM)**

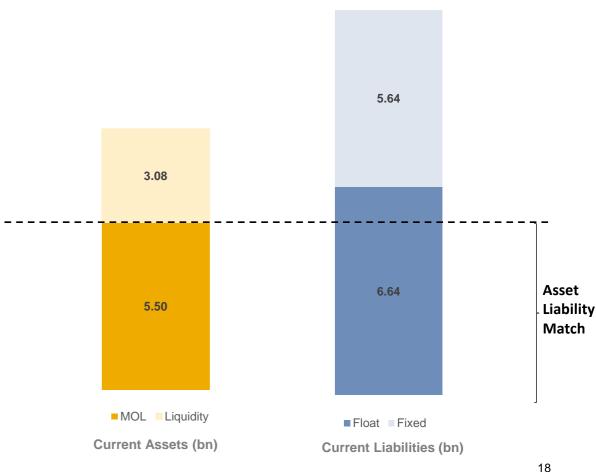
- As SAP usually invests liquidity on a short-term basis (1-3 months), interest for liabilities must be managed towards short-term floating rates to ensure a match between assets and liabilities
- We achieve a "natural hedge" by matching the short-term invested minimum operating group liquidity (MOL) with an equivalent amount in floating rate financial debt. This economically reduces the risk that variable interest rates have a significant negative effect on both the interest income and interest expense
- In case of an ALM mismatch, we need to execute new interest rate swaps to swap a portion of financial debt from fixed to floating rates

#### **Debt Maturity Profile**

- Enter into receiver swaps for new EUR or USD debt financing transactions with a fixed rate coupon and a tenor of 7 years or more
- Historical swap premia analysis concluded over any 7y horizon, floating rate debt was cheaper in all instances. The longer the duration, the higher the "pay floating" benefit, i.e. it is attractive to swap fixed into floating interest rates. For a historic cost efficiency analysis of floating rate debt.

### **Asset Liability Match for 2022**

Minimum Operating Group Liquidity 2022 of €5.5bn is matched by floating rate debt (status as of end of September 2022)

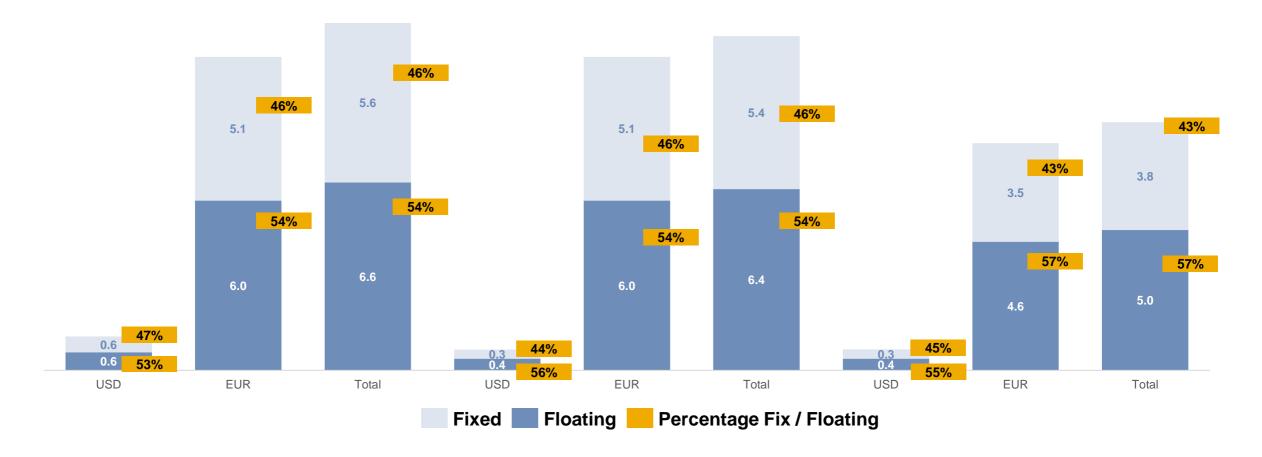


Asset Liability Match (ALM): Result and Forecast

All figures in billion and rounded unless otherwise stated \*In relation to total debt

Current End-2022 End-2023

Assuming floating rate term loans\*\* (EUR 1.45bn) will be repaid in 2023

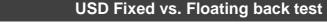


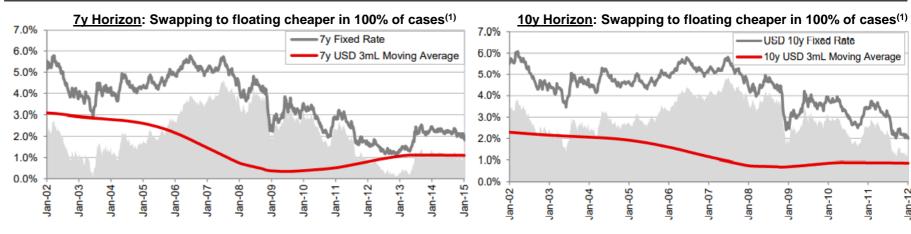
### Swapping +7y Tenors: Regular Back-Testing

- Analyses explore historical data of USD and EUR swaps for 3, 5, 7 and 10y vs. the 3m LIBOR\* and 6m EURIBOR
- The swap premium is defined as the moving average realized floating rate over swap maturity vs. the swap fixed rate at inception
- The difference (fixed floating) is plotted as the grey shaded area
- As it can be seen from the charts, for 7y and 10y maturities there was never a time when it was better to pay fixed rather than floating
- The longer the bond maturity, the higher the savings to swap it into floating

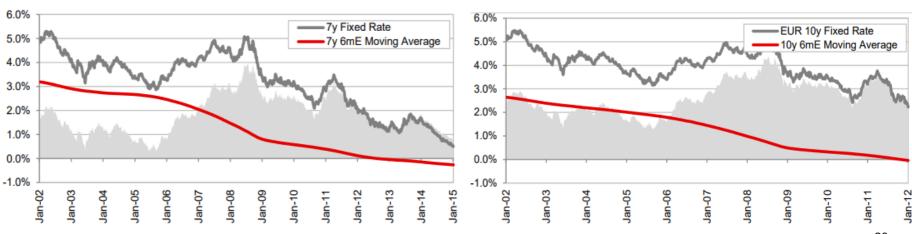
## Share of observations for which paying fixed was more profitable

Duration	EUR	USD	
1y	28%	30%	
3y	12%	28%	
5y	7%	13%	
7y	0%	0%	
10y	0%	0%	





#### **EUR Fixed vs. Floating back test**



### Fair Value Hedge Accounting

- SAP is in a receiving fixed interest position, which means the mark-to-market values move inversely to market rate developments
- Hence, mark-to-market values fall when €STR rises, and vice-versa when €STR falls
- We apply hedge accounting whereby changes in the fair value/ MTM of the interest rate swaps are mainly offset by changes in the fair value/ MTM of the underlying debt (bonds/ USPPs)
- The net effect from the hedging relationships results mainly from credit spreads of our counterparties and own credit risk which are only considered in the valuation of the interest rate swaps but not considered for the basis adjustment
- The recent rise in market interest rates has led to a further strong decline in MTM on our interest rate swaps. However, this is offset by the reduction in the carrying value of our underlying debt, due to the increase in the discount rate



### **Summary**

- In 2022, SAP arrived at the tipping point of its cloud transformation
- SAP's cloud business will ensure an accelerated future growth and increase the share of high-margin and predictable revenues
- Stable cash flows and fast deleveraging are the guarantors of SAP's financial flexibility. The strong financial profile ensures the required debt headroom and continuous access to external funding at attractive terms (e.g. via Eurobond market)
- SAP established a two-step interest rate management approach with the main goal to reduce P&L volatility and to optimize our interest result:
  - The Asset Liability Match: adding interest-rate-related derivative instruments to a given portfolio of short-term investments and debt financing
  - Swapping tenors with +7 years into floating



A&Q

### Growing through incubation, partnerships and innovation





