

FIS TREASURY AND RISK MANAGER - QUANTUM EDITION

INTEREST RATE RISK MANAGEMENT

Piotr Kiepuszewski, 08 March 2023

FIS

A leader in technology and services for merchants, banks and corporates across the globe.

\$87B
MARKET CAP.

450 SOLUTIONS

20K CLIENTS

\$14B REVENUE

\$10T

79B

62K

198

ANNUALLY GLOBAL MOVE

GLOBAL TRANSACTIONS PROCESSED

COLLEAGUES IN 52 COUNTRIES

OPERATIONAL FACILITIES WORLDWIDE



Serving 60% of the top 10 largest merchants

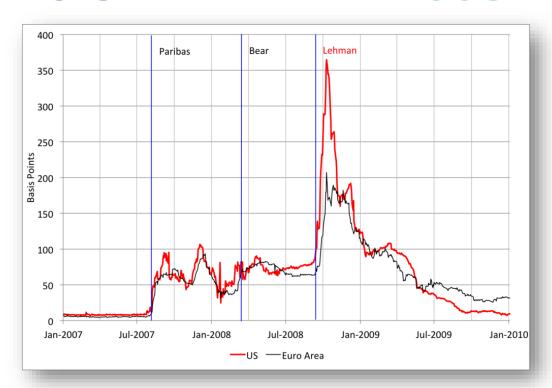


Serving 90% of the top 20 private equity firms



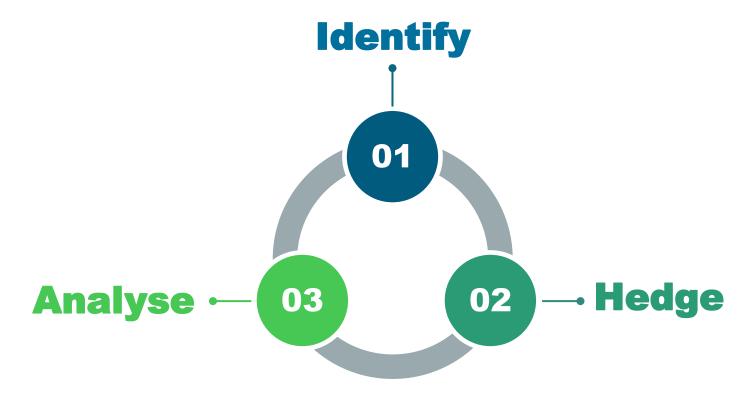
Serving 90% of the top 50 largest global banks

WHERE WERE YOU ON 15 SEPTEMBER 2008?





INTEREST RATE RISK MANAGEMENT





IR EXPOSURE IDENTIFICATION





Full Portfolio Analysis

All treasury transactions, incl. RFR benchmarks



IR Risk Measurement

Flexible and aligned to your needs



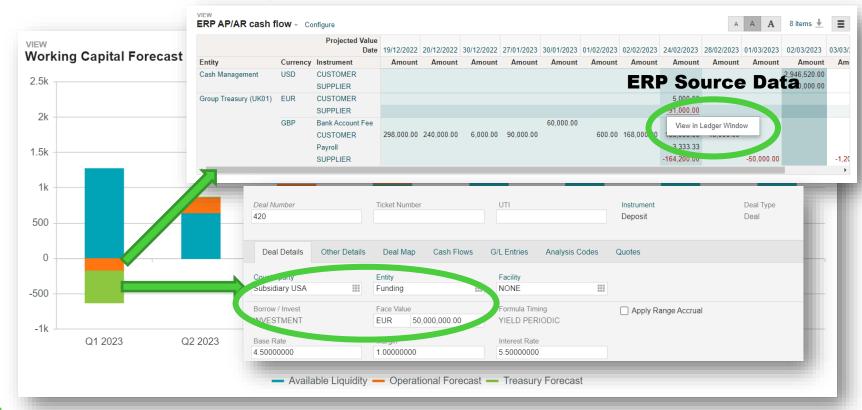
Live Dashboards

On demand view of IR exposures



FUNDING DECISIONS

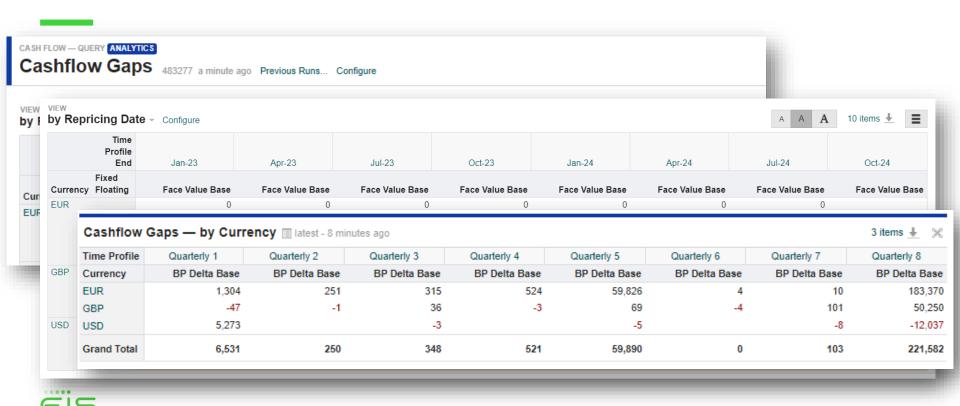
Time-bucketed liquidity forecast, by source





IR EXPOSURE IDENTIFICATION

Fixed/Floating Portfolio Analysis and Policy Limits



IR EXPOSURE IDENTIFICATION





Full Portfolio Analysis

Coverage of all treasury transactions



IR Risk Measurement

Flexible and aligned to your needs



Live Dashboards

On demand view of IR exposures







Hedging Policy Implementation

Recognition of hedging thresholds



Hedging Proposals

Suggested hedging transactions

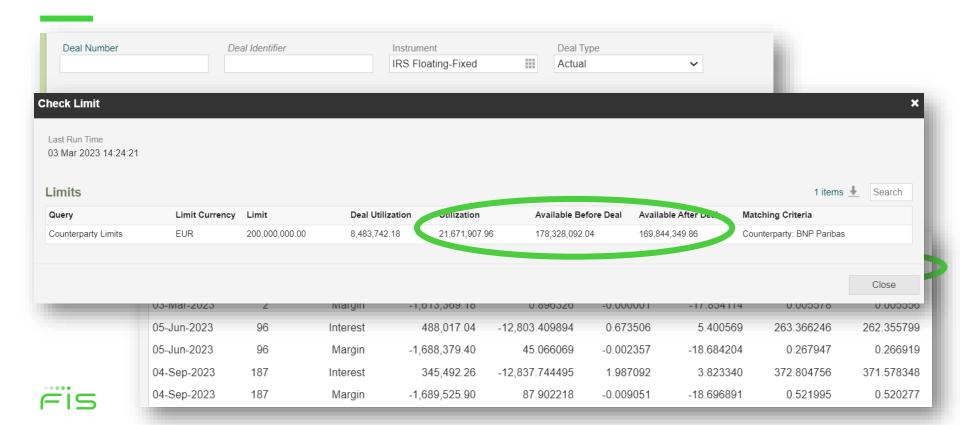


Hedge Accounting

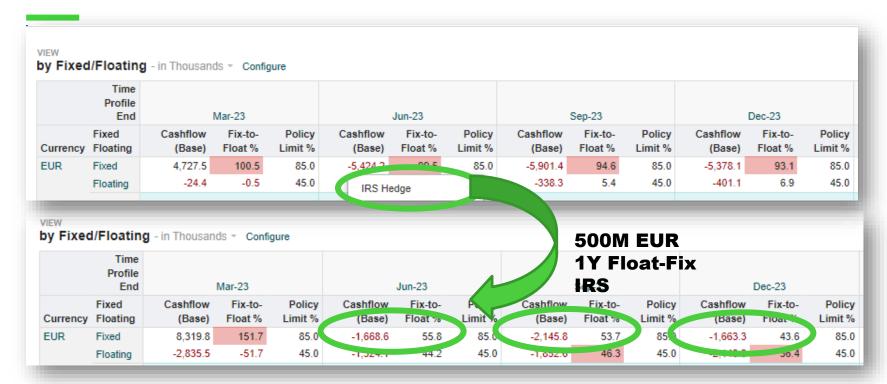
Various HR types, with hedge automation



Pre-hedge transaction checks

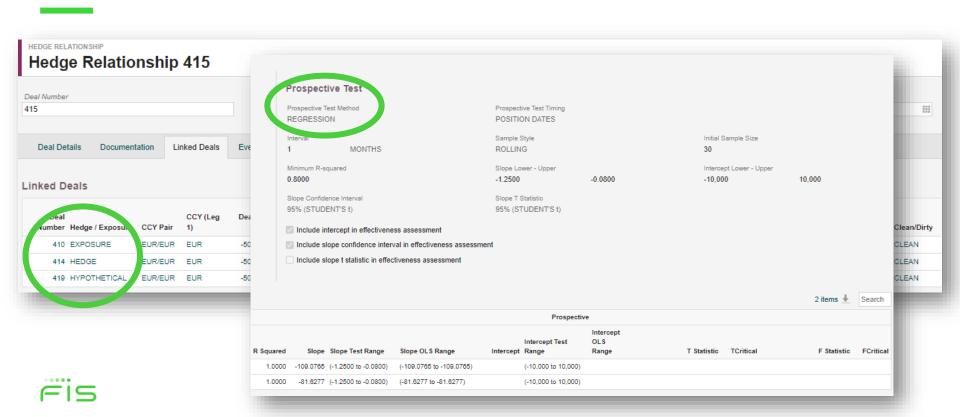


Hedging policy and hedge proposals





Hedge Accounting and Automation







Hedging Policy Application

Recognition of hedging thresholds



Hedging

Suggested hedging transactions



Advanced Hedging Policy Rules

Automated notification for policy breaches



Time saving and lower risk of manual errors



Hedge Accounting

Various HR types, with hedge automation

Better Financial Reporting

Sophisticated HA requirements met







Will my hedge be effective tomorrow?

Changing market conditions



How will it perform when stressed?

Modeling black swans

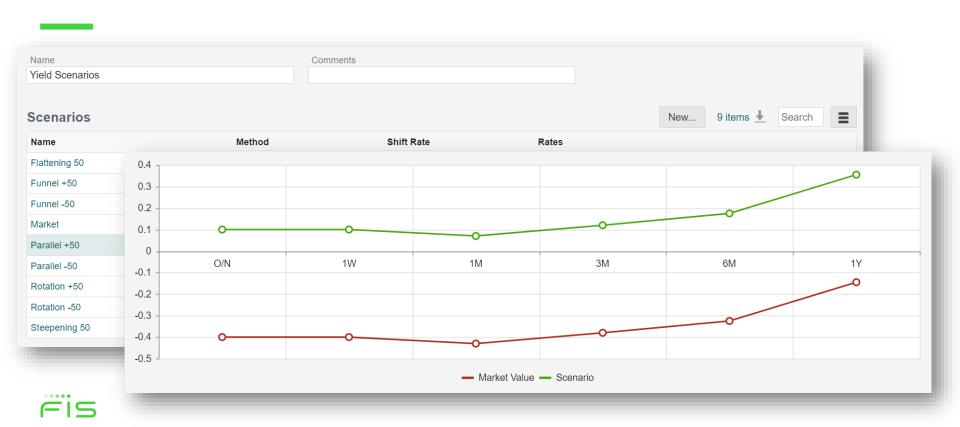


How effective was my hedging policy?

Policy backtesting



Scenario definition



Impact assessment







Will my hedge be effective tomorrow?

Changing market conditions



How will it perform when stressed?

Modeling black swans



How effective was my hedging policy?

Policy backtesting

Configurable Scenario Analysis

User-friendly scenario definition

Value at Risk

Historical, Variance-Covariance, Monte Carlo

On-Demand Reporting Suite

Based on historical data



FIS SOLUTIONS & IR RISK MANAGEMENT

IR EXPOSURES IDENTIFICATION

IR EXPOSURES HEDGING

POST-TRADE ANALYTICS









Q&A







IR HEDGING WORKFLOW

- Identifying IR risk exposures
- Validation of hedging policy
- Hedging decision
 - Hedge proposal
 - Trade capture
 - Post-trade analysis
- Portfolio stress test
- IR risk dashboard





YOUR OBJECTIVES TREASURY AND INTEREST RATE RISK

"I want to have transparency around my IR risk exposures"

- ✓ IR analysis of all treasury transactions
- ✓ IR risk measurement aligned with your policy
- ✓ Flexible user-configurable reporting

"I want to make effective hedging decisions"

- ✓ Pre-hedge limits check
- Incorporation of hedging policy
- Hedging proposals / simulations

"I want to simulate market impact on my portfolio"

- Scenario analysis
- ✓ Liquidity impact assessment
- ✓ P/L impact assessment



FUNDING DECISIONS

Time-bucketed liquidity forecast, by source

Period - Configure								A A A	3 items <u>₹</u>
	Header	in EUR							
Period	Mar-23	Jun-23	Sep-23	Dec-23	Mar-24	Jun-24	Sep-24	Dec-24	
Туре	DealType	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amo
Available Liquidity	Actual	1,276.4	647.8	860.7	1,045.7	1,245.2	1,478.1	1,669.2	1,93
Operational Forecast	Actual	.171	212.2	194.4	202.3	191.0	213.5	236.0	2
Freasury Forecast	Actual	-457.2	0.7	-9.4	-2.8	41.9	-0.3	-0.7	
Grand Total		Funding		1,045.7	1,245.2	1,478.1	1,691.3	1,904.6	2,14



