

# Euro Money Market Study

Key developments in 2023-2024



EMMEC meeting 18 June 2025

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## Introduction

#### **Biennial publication** by ECB for over 20 years

• It examines <u>5 segments</u>: (1) secured, (2) unsecured cash, (3) short-term securities, (4) FX swaps, and (5) OIS

#### Originally, it relied on survey data (Q2 volume) collected from selected banks,

with DGM <u>analysing activity per segment</u> and DGS providing <u>updated charts & tables</u> in non-publication years

### In 2018, transformation to base the study on granular MMSR data, collected since 2016.

- Analysis expanded to include trends and drivers, covering also <u>maturities</u>, <u>counterparties</u>, <u>and prices</u>.
- The market participants appreciate the publication and have expressed interest in having it released annually.

### **In this fourth edition**, the structure of the study has been adjusted:

- Part 1 will focus on topical and qualitative insights
- Part 2 will feature consistent charts, to support the possible publication of regular updates.

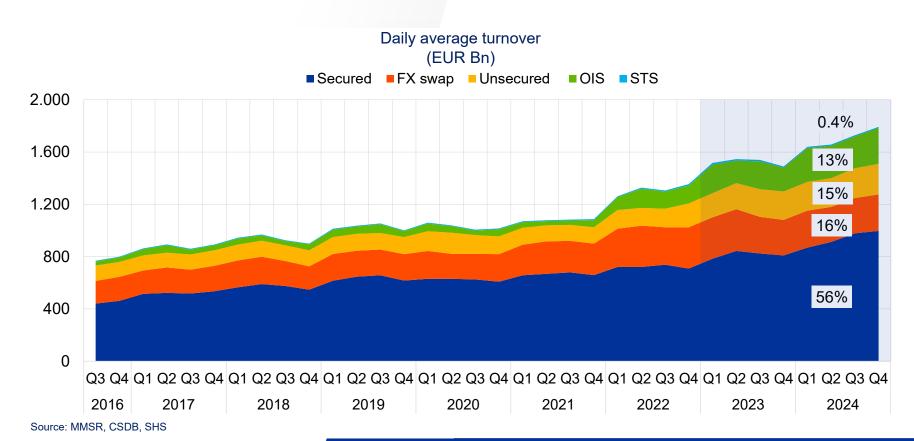
# Part 1

2023-2024

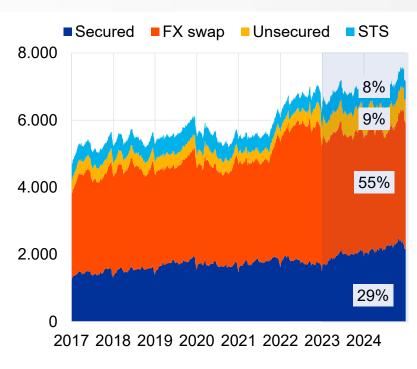
Main developments

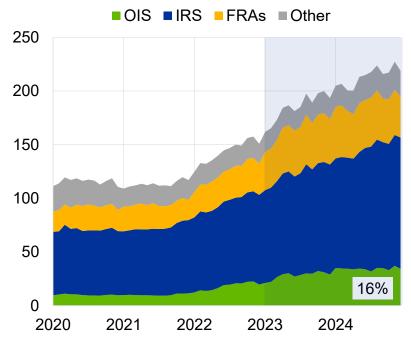
Drivers of the observed dynamics

## MM Volume: Expanding activity



## Money market outstanding amounts (EUR bn)

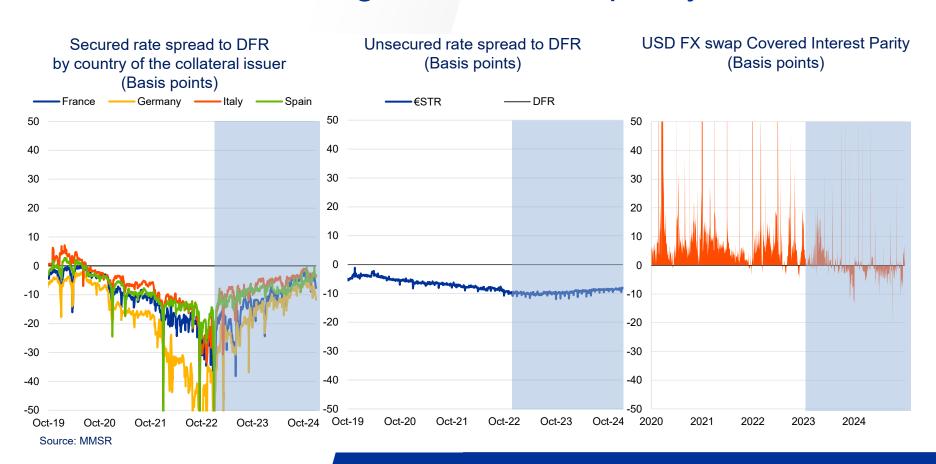




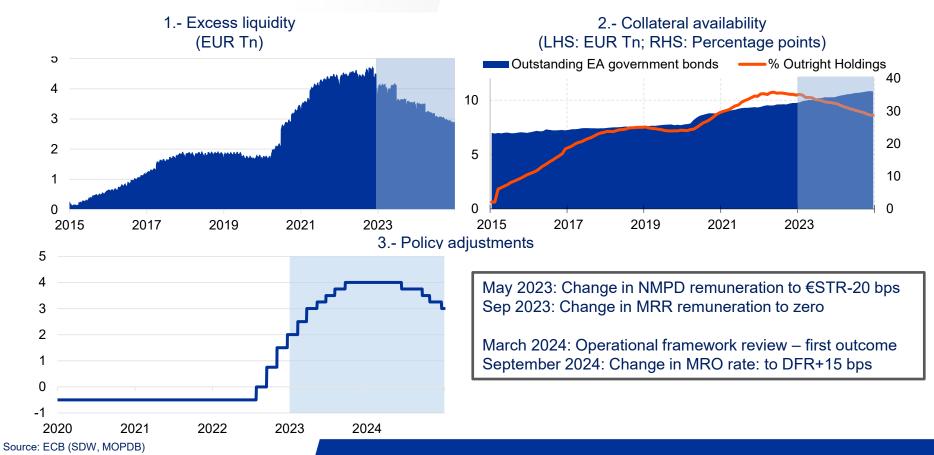
Source: MMSR, CSDB & SHS

Source: EMIR

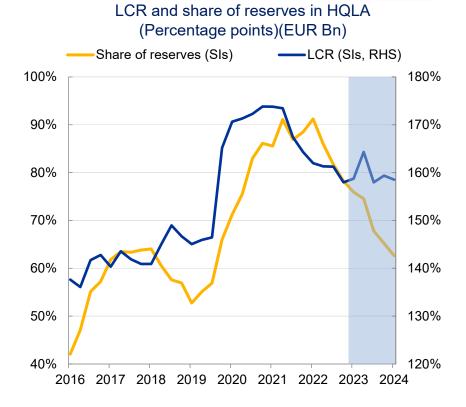
## MM Rates: Convergence towards policy rates



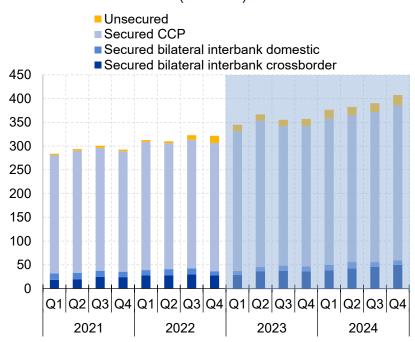
## Main drivers in a nutshell



## 1.- Excess liquidity reduction (1/2): Preserve HQLA



## Interbank borrowing in EA money markets (EUR Bn)

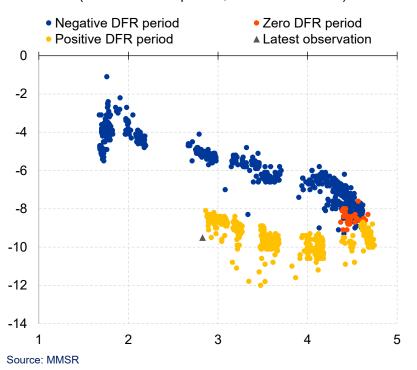


Source: Eurosystem, ECB, ECB calculations

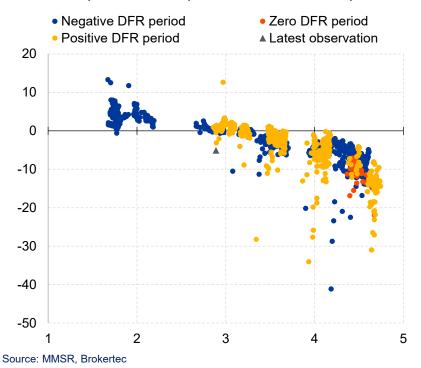
Source: MMSR

## (2/2): Unsecured less reactive than secured...

Excess liquidity vs €STR-DFR spread (Y-axis: Basis points; X-axis: EUR Tn)

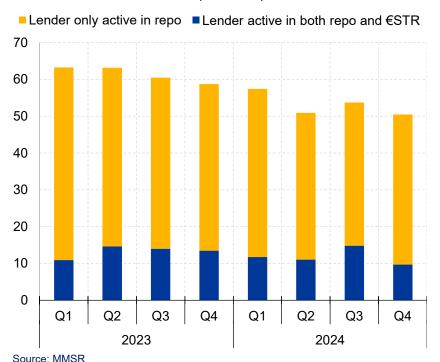


Excess liquidity vs GC Secured-DFR spread (Y-axis: Basis points; X-axis: EUR Tn)

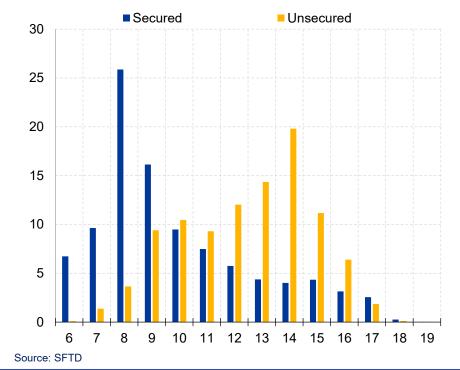


## ... also structural factors behind the unexploited spread

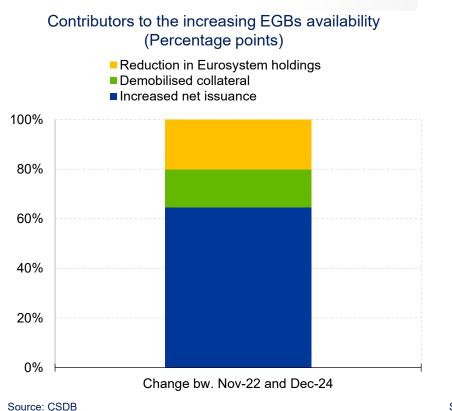
Repo trading volume by lenders also present in €STR (EUR Bn)



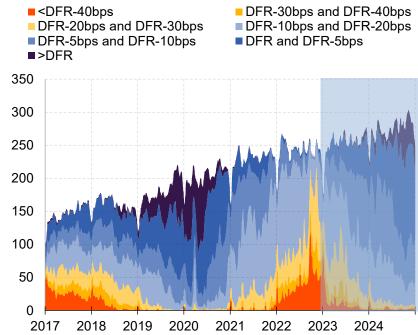
Time of trade execution (share of daily trading volume per hour)
(Percentage points)



## 2.- Collateral availability (1/2): increased c. supply

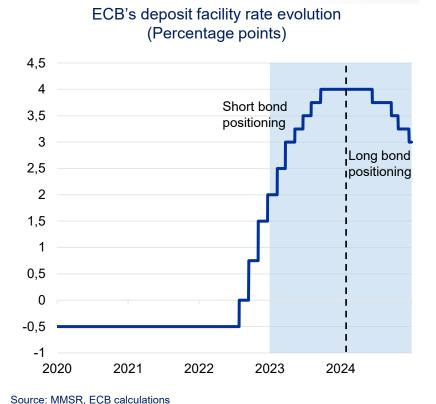


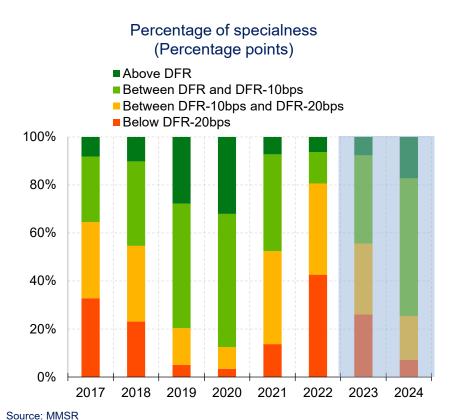




Source: MMSR

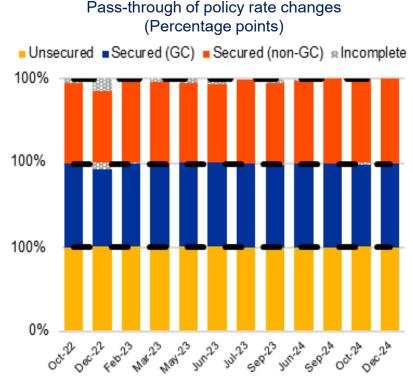
## ... (2/2) and reduced collateral demand





# 3.- ECB policy adjustments (1/3):

## Good pass-through and muted SRO post TLTRO



Source: MMSR, BrokerTec, MTS, Bloomberg

EA banks recourse to SROs (EUR Bn) MRO LTRO3 Other LTRO 1000 900 800 700 600 500 400 300 200 100

2009

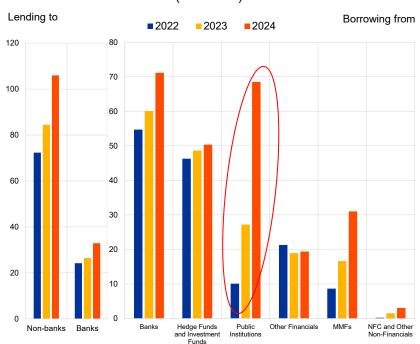
2015

Source: ECB, ECB calculations

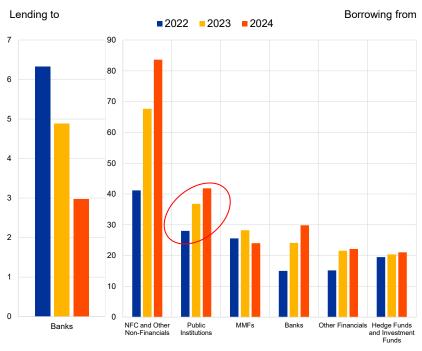
2024

# (2/3) increased trading with public entities affected by change in NMPD remuneration

Secured daily average flows per counterparty sector (EUR Bn)



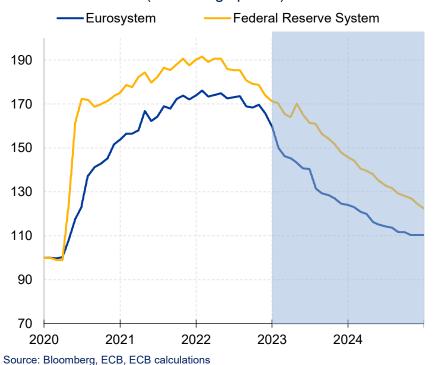
Unsecured daily average flows per counterparty sector (EUR Bn)



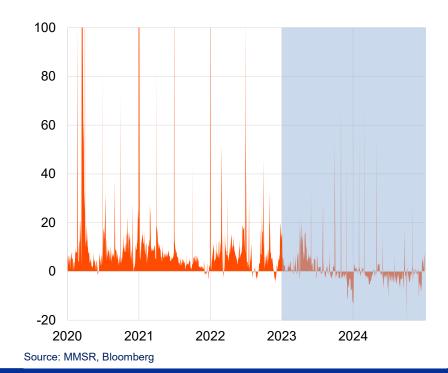
Source: MMSR Source: MMSR

## (3/3) Reduced FXs premium, affected by increased USD supply

Normalized Fed and ECB balance sheet evolution, % of GDP (Percentage points)



USD FX swap Covered Interest Parity (Basis points)

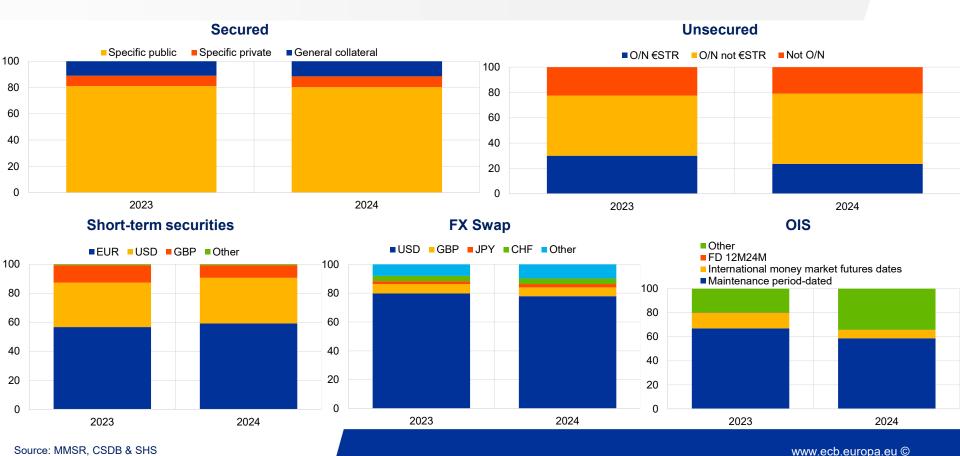


# Part 2

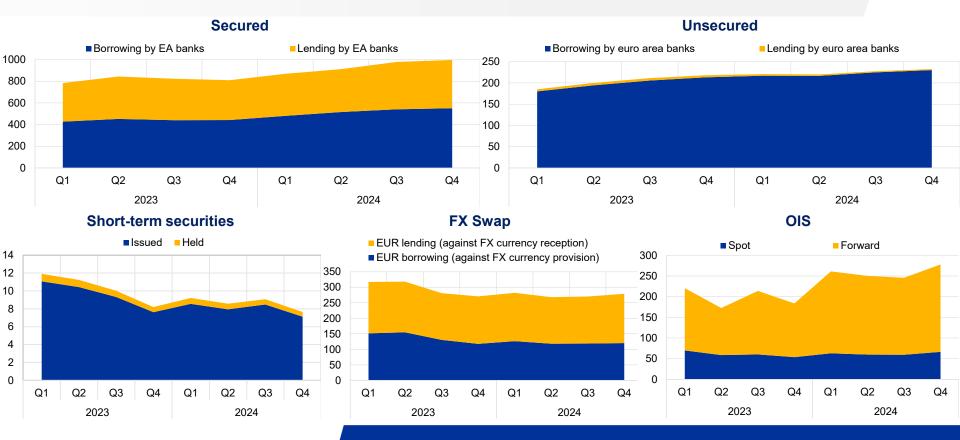
Euro money market characterization

Structural features

# Money Market trading composition (EUR bn)



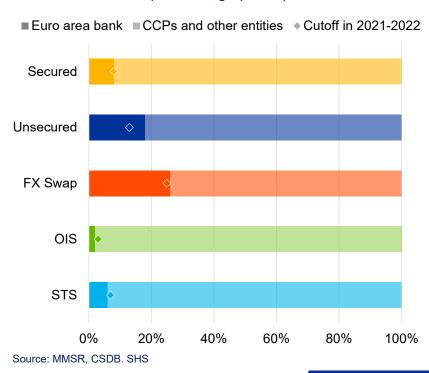
# EA banks trading direction (EUR bn)



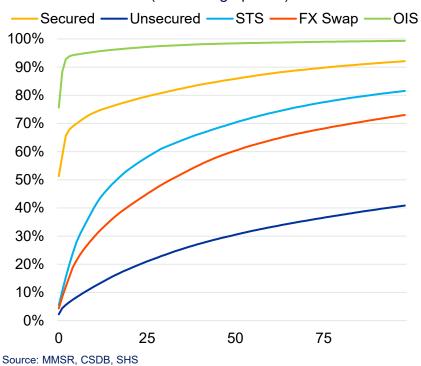
Source: MMSR, CSDB & SHS www.ecb.europa.eu ©

## Counterparties: Dominance of trades with NBFIs

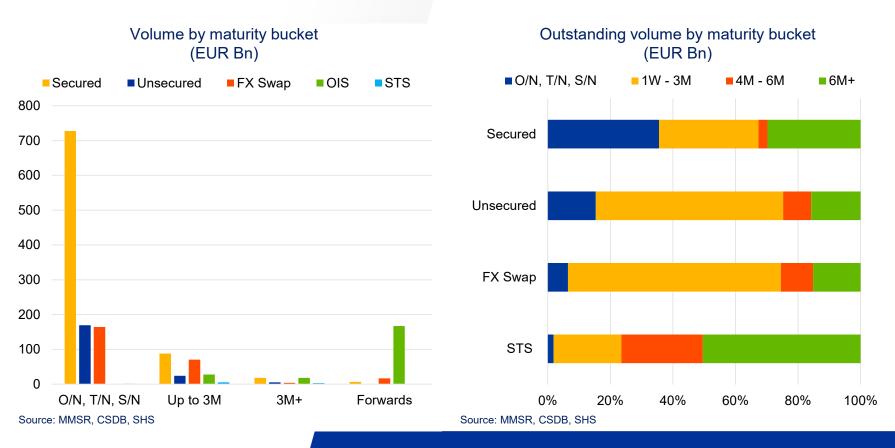




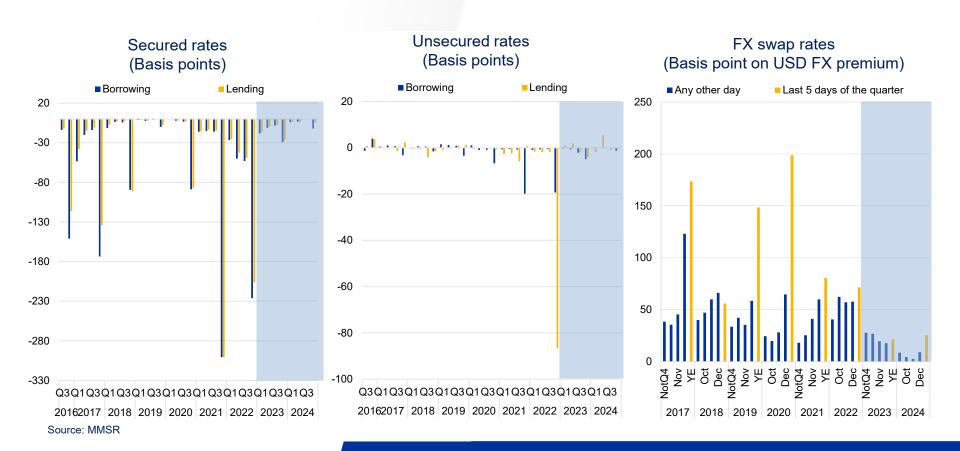
## Segment concentration (Percentage points)



## Maturities: Concentration in short-term tenors

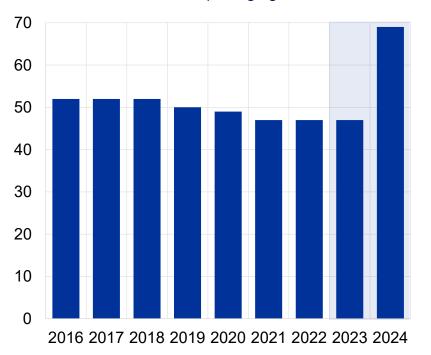


## Calendar effects on MM rates: More muted



## Expansion of MMSR reporting obligation: +24 banks

#### Number of MMSR reporting agents over time



Segment	Daily turnover increase f Wave 2 implementation	rom
Secured		15%
Unsecured		13%
FX Swap		16%
OIS		9%

# Thank you all

for providing the underlying data

that made this possible!

# Annex

Euro money market characterization

Structural features



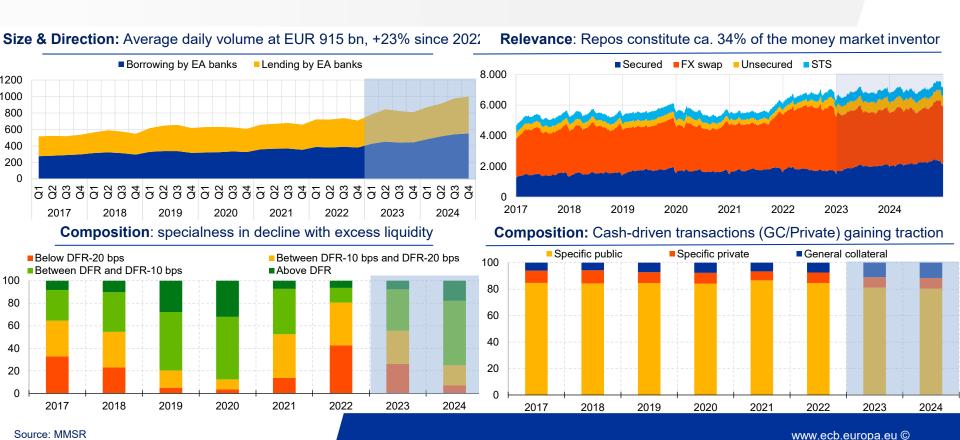
Size



Aspects under scrutiny:

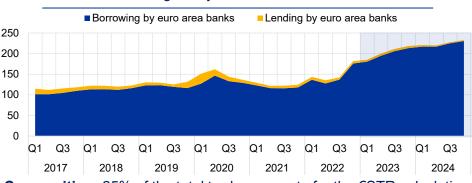
EA banks' trading direction, segment's growth & relevance, de-composition by collateral, type of contract or currency

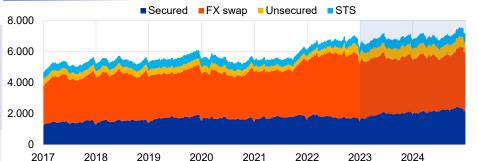
## MMSR repo: size (EUR bn)



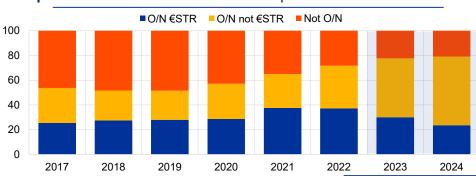
## MMSR Unsecured: size (EUR bn)

Size & Direction: Average daily volume at EUR 220 bn, +17% since 202; Relevance: Unsecured constitutes ca. 8% of the money market inventor





**Composition:** 25% of the total trades compute for the €STR calculation



Source: MMSR www.ecb.europa.eu ©

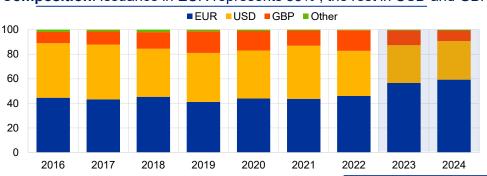
## CSDB & SHS STS: size (EUR bn)

Size & direction: Average daily volume at EUR 8 bn, -33% since 2022

**Relevance**: commercial paper constitutes 5% MM inventor



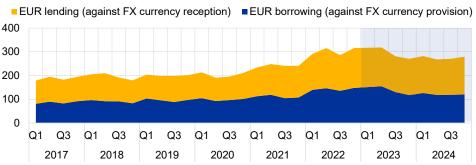
Composition: Issuance in EUR represents 55%, the rest in USD and GBP

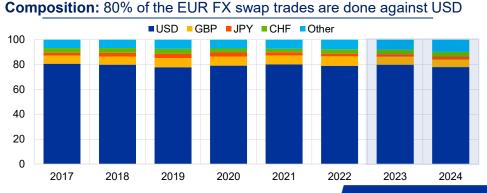


Source: CSDB & SHS www.ecb.europa.eu ©

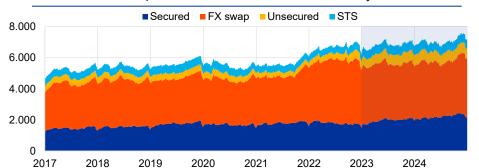
## MMSR FX swap: size (EUR bn)

Size: Average daily volume at EUR 220 bn, -18% since 2022





#### **Relevance**: FX swaps constitute ca. 50% of the money market inventor



Source: MMSR www.ecb.europa.eu ©

## MMSR OIS: size (EUR bn)

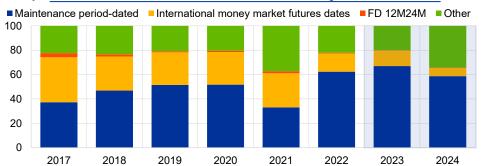
Size & Direction: Average daily volume at EUR 109 bn, +44% since 2022



Relevance: OIS constitute ca. 15% of derivatives inventor



#### Composition: Notional amounts broken down by forward classification



Source: MMSR www.ecb.europa.eu ©



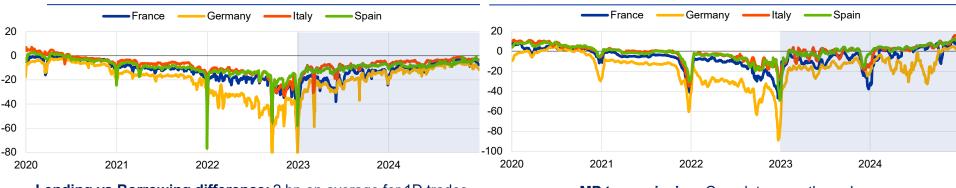
### Rates



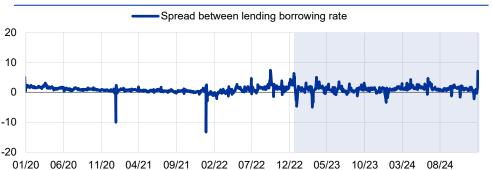
Evolution & deviation from DFR, sensitivity to maturity, trading direction or other elements, transmission of policy changes

## MMSR repo: rates (Bps)

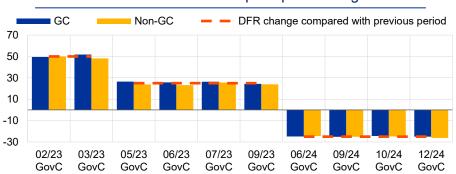
1D rate vs DFR: Price depends on collateral issuer & availability Term repo vs OIS: Dispersion remains visible for DE on 1M-3M tenors



**Lending vs Borrowing difference:** 2 bp on average for 1D trades

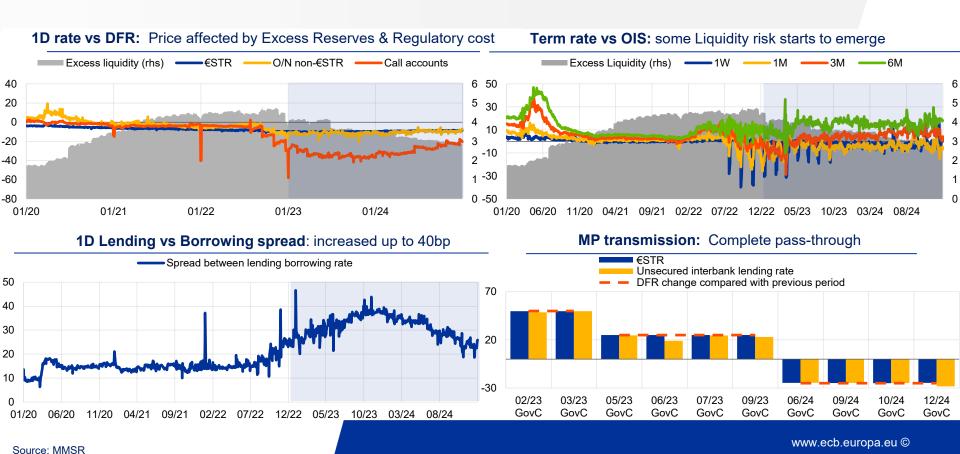


MP transmission: Complete pass-through

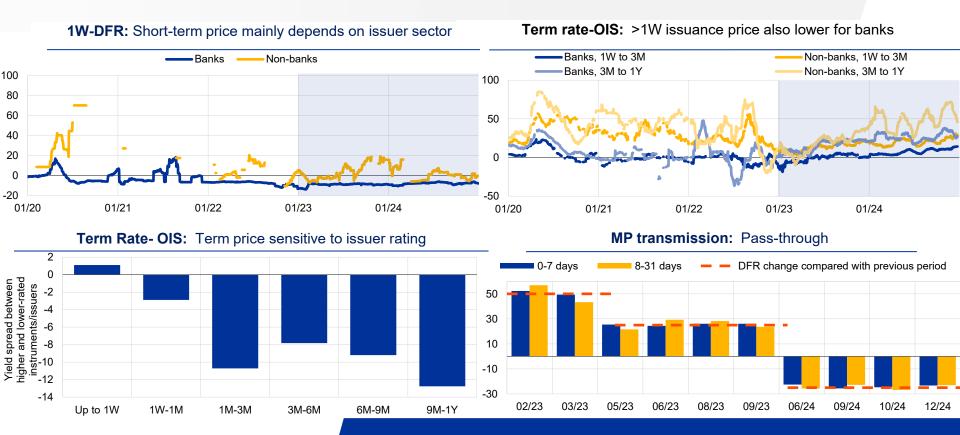


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## MMSR Unsecured: rates (Bps)



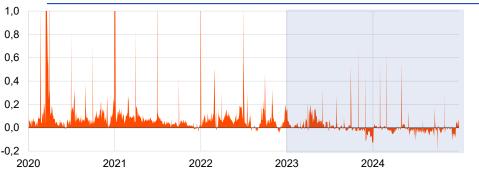
# CSDB & STEP STS: rates (Bps)



Source: CSDB & STEP www.ecb.europa.eu ©

## MMSR FX swap: rates

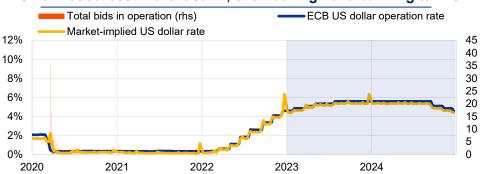




#### Term FX rate vs OIS SOFR:



#### Small resources in the last 2Y, even during 2023 banking turmoil

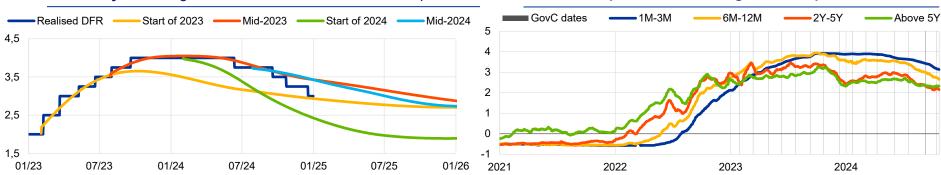


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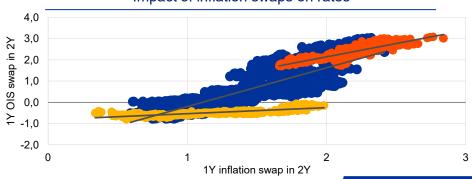
## MMSR OIS: rates



### Impact of GC meetings on OIS spot rates







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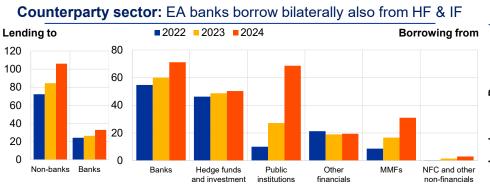
#### **Counterparties**

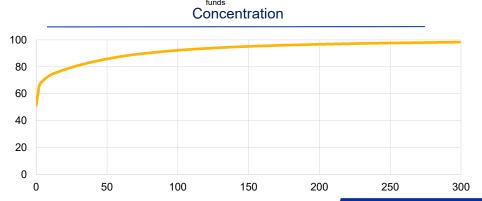


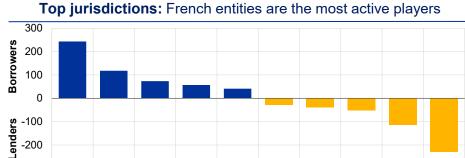
**Aspects under scrutiny:** 

EA banks' interaction with other sectors, main players and their jurisdictions, and market concentration of the segment

## MMSR repo: counterparties







KY

IT

KY

ES

DE

FR

-300

FR

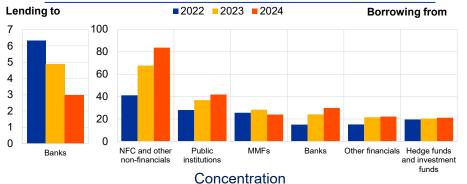
DE

IT

ES

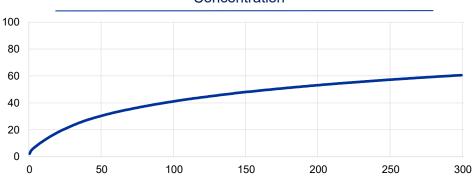
## MMSR Unsecured: counterparties





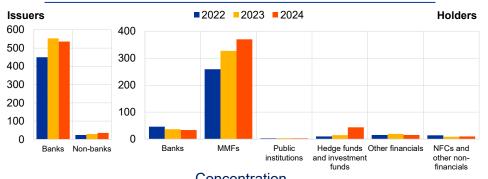
**Top jurisdictions:** German entities are the most active players





## CSDB & SHS STS: counterparties

Counterparty sector: MMF are main holders of STS issued by EA banks



Concentration

100
80
60
40
20

150

200

250

300

**Top jurisdictions:** French entities are the most active players



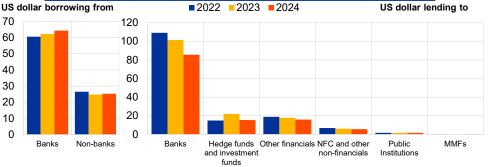
Source: CSDB & SHS

50

100

## MMSR FX swap: counterparties





Concentration

#### Top jurisdictions: German and French entities are most active

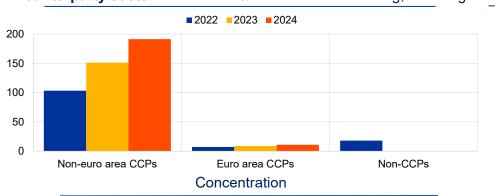


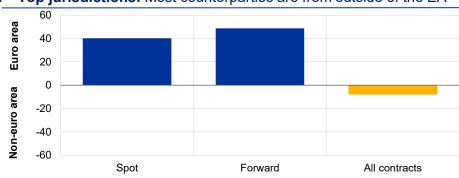


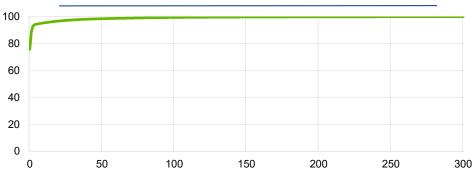
Source: MMSR

# MMSR OIS: counterparties











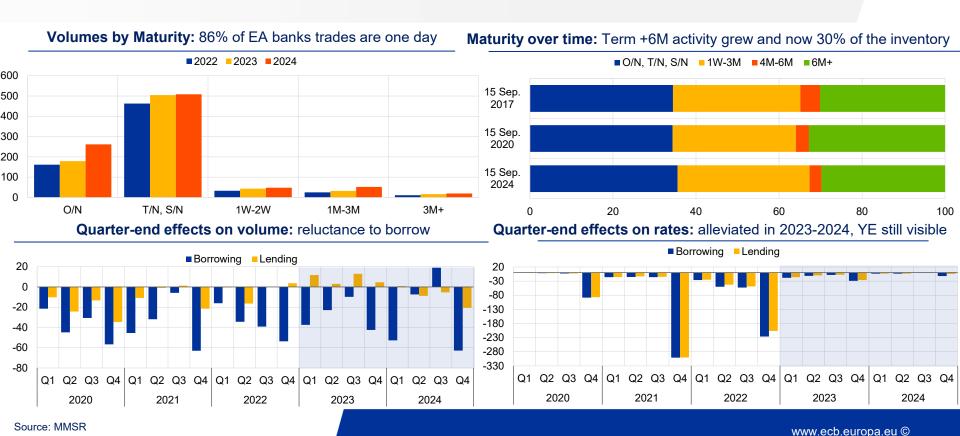
**Maturities and Calendar effects** 



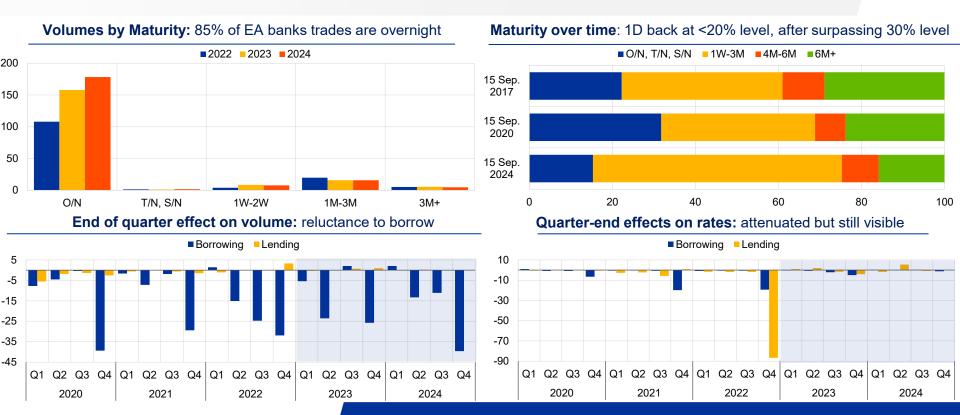
**Aspects under scrutiny:** 

Flows and stock distribution by maturity buckets, calendar effects over volume and rates

#### MMSR repo: maturities and calendar effects



#### MMSR Unsecured: maturities and calendar effects



#### CSDB & SHS STS: maturities and calendar effects



Source: CSDB & SHS

Q3

2017

Q3

2018

Q1

Q3

2019

Q1 Q3

2020

Q1 Q3

2021

Q3

2022

Q1

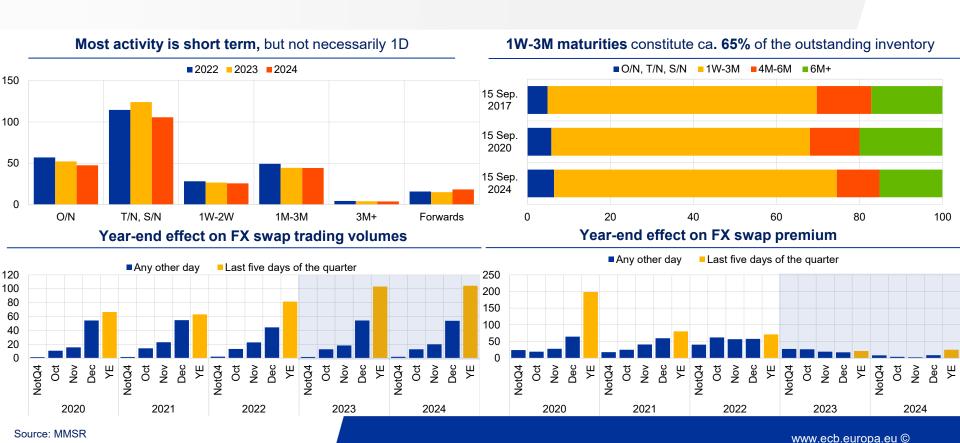
Q3

2023

Q3

2024

#### MMSR FX swap: maturities and calendar effects



#### MMSR OIS: maturities and calendar effects

