

# FOLLOW UP ON EUROPEAN COLLATERAL SCARCITY

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Patrick Chauvet

ECB Money Market Contact Group



**BNP PARIBAS**

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# AGENDA

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- I REMINDER OF LAST YEAR SITUATION
- II MEASURES TAKEN (GERMAN DMO / EUROSISTEM) AND GERMAN ISSUANCE EVOLUTION
- III AN IMPROVED SITUATION
- IV IMPACT OF ECB ANNOUNCEMENT ON GOV. DEPOSITS ON EUROPEAN T-BILLS



## SUMMARY

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- Following extremely tense first three quarters of 2022, most of the indicators showing collateral scarcity in Europe, notably for German debt, have strongly eased over Q4 2022 and Q1 2023
  - German Repo levels have retraced to quasi pre-crisis levels
  - Levels of German debt yield spreads vs swaps have strongly retraced but not yet completely normalised
- These improvements are the result of *joint* actions from:
  - German Finance Agency (GFA) to ease the repo market tensions
  - ECB normalising monetary policy. In particular, reducing excess liquidity and paving the way for QT
  - German government to increase fiscal spending therefore raising strongly expectations of higher supply of German debt
- Nevertheless, market could still be proven fragile, notably would the current anticipations of QT be challenged, as the level of floating of German debt remains very low



## I - REMINDER OF LAST YEAR SITUATION

### ■ General scarcity of collateral

- Due to specific pandemic-related conditions like PEPP and TLTRO

### ■ Opportunities for leveraged trades

- Excess leverage in the system
- Short basis (short bonds vs futures) – QE intermediation
- Rich asset swap
- Fast money short positioning into end of PEPP and APP

### ■ Potential issues from Official Institutions (OI) / governments reserves management as rates go up

- Floating estimated to below 30% for Germany

### ■ Squeezed repo

- Level
- Number of bonds highly special
- Bond futures basis levels and volatility

- Squeezed asset swap (ASW) and dislocated asset swap curve on Off the runs

- Bund futures reduced liquidity and ASW volatility

- Increased cost of hedging for end users

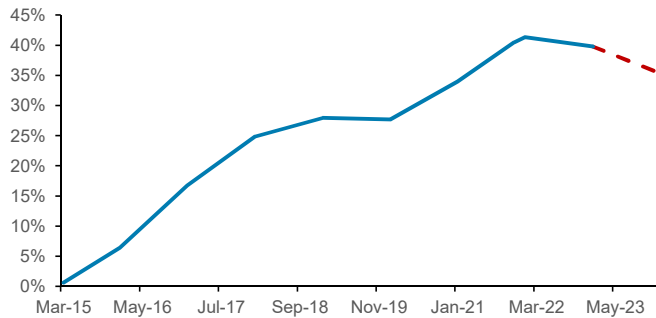
## II – A COMBINATION OF MEASURES BY ALL ACTORS

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- The situation required exceptional answers from all actors in order to
  - Increase the supply of German collateral in Repo
  - Stop the decrease of the floating of German and other core gov. bonds
  - Increase the future supply of German bonds
  
- All issues were addressed to a certain extent
  - German DMO and ECB increased the available collateral for bilateral repo with dealers
  - ECB addressed the 2 main factors behind bonds scarcity
    - QE and TLTRO
  - German government changed the dynamics of the German debt by engaging into Green and Defense related spending

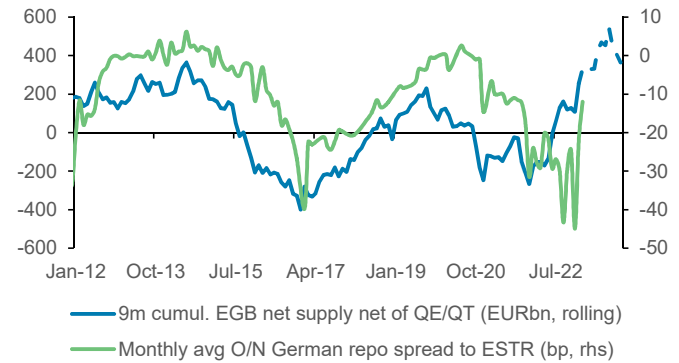
# The Bund Free Floating issue

Eurosystem holds around 40% of public sector debt we estimate



\*Includes German agencies and regions. We assume QT starts in March at a EUR15bn/m pace and then from July onwards we expect an end to reinvestments. Estimate is indicative with the dashed red line showing our projection to end-2023. Sources: ECB, BNP Paribas

With the return of collateral, repo rates have started to cheapen



Sources: RepoFundsRates, National Treasuries, ECB, BNP Paribas

Record high net supply net of QT forecasted for this year, more than triple last year\*

2023 Net supply net of QT	Act.	Est.	Est.	Est.	Est.	Est.	Est.	Est.	Est.	Est.	Est.	Est.	2023
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Austria	6	0	7	-2	7	3	-5	2	7	-5	3	0	24
Belgium	7	5	3	5	5	-6	4	2	5	-4	0	1	27
Finland	4	0	1	-3	4	1	0	3	-2	1	1	0	10
France	27	24	2	15	-8	27	16	7	22	-10	14	6	142
Germany	28	8	17	-5	8	10	25	17	12	16	25	-5	156
Greece	-1	0	0	2	1	0	2	0	0	1	0	0	5
Ireland	4	0	-5	0	1	0	0	0	1	0	0	0	1
Italy	16	33	1	20	-6	23	14	-17	16	1	7	-1	106
Netherlands	-6	7	6	3	5	6	-10	0	6	3	5	0	25
Portugal	3	2	2	5	2	1	0	0	2	-5	0	0	13
Spain	4	21	16	-6	13	21	-2	7	16	-2	6	5	97
<b>Total 2023</b>	<b>91</b>	<b>100</b>	<b>49</b>	<b>34</b>	<b>32</b>	<b>85</b>	<b>43</b>	<b>22</b>	<b>84</b>	<b>-4</b>	<b>63</b>	<b>6</b>	<b>607</b>
<b>Total 2022</b>	<b>46</b>	<b>28</b>	<b>14</b>	<b>-45</b>	<b>16</b>	<b>68</b>	<b>17</b>	<b>31</b>	<b>-14</b>	<b>5</b>	<b>36</b>	<b>-6</b>	<b>197</b>

\*We assume QT starts from March with the ECB reducing reinvestments by 50%, consistent with the EUR15bn/m pace announced by the ECB. We only consider EGBs. From July we assume a complete end to reinvestments. Sources: National Treasuries, ECB, BNP Paribas

## German Finance Agency, Bundesbank – Mitigations

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- Beginning of 2022 German finance agency announced it would address any potential collateral squeeze and support smooth functioning of repo markets
- Buba discussed increasing counterparty limits to alleviate the degree of specialness
- ECB actioned the following
  - ECB increasing amount borrowed vs cash from €75bn to €150bn
  - ECB (via Deutsche security lending) also increasing counterparty limits
- Feb 3rd 2022: Specific mitigation for Mar 24 Schatz, German finance agency to increase holdings of Mar 24 Schatz by €2.5 billion to €8.5 billion, with volume to be used **exclusively** for short-term repo and securities lending transactions
- **Oct 19<sup>th</sup> 2022: 54 bn increase of Germany finance agency own holdings for repo: 3bn for 18bonds (Interdealer Brokertec 100bn per day)**
  - This measure, published soon before TLTRO recalibration, strongly helped the market



## ECB decisions / announcements since March 2022

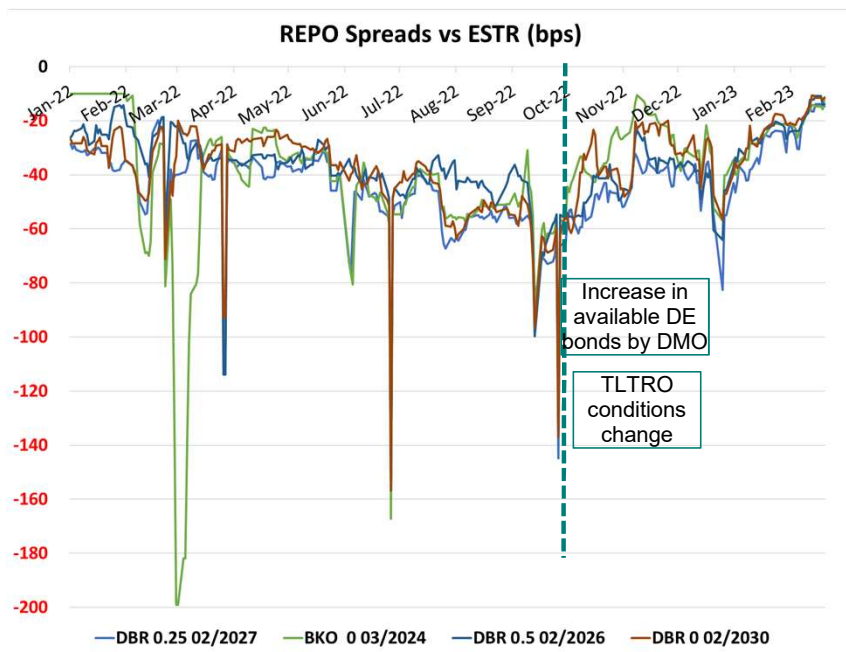
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- **March 10<sup>th</sup> 2022:**
  - APP size to be reduced from 40bn in April to 20 Bn in June and then will be data dependant
  - PEPP to stop net asset buying from end of March
- **March 24<sup>th</sup> 2022:** timeline to gradual phase out of the temporary pandemic collateral easing measures
- **June 15<sup>th</sup> 2022:** APP net asset purchases to end starting July 1st 2022
- **July 18<sup>th</sup> 2022:** creation of the TPI (Transmission Protection Instrument)
- **Sep 8<sup>th</sup> 2022**
  - Ceiling for remuneration of government deposits to be Min (DFR, €STR). ECB temporarily removes 0% interest rate ceiling
  - P Lane mentioned an holistic approach for Non European OI deposits in his speech at MMCG (Sep 15<sup>th</sup>)
- **Oct 27<sup>th</sup> 2022**
  - **TLTRO III recalibration:** interest rate of TLTRO to be indexed ECB key rates from November 23<sup>rd</sup> 2022 removing the incentive to keep TLTRO for many banks, 3 repayment dates added for TLTRO repayment
  - Signal start of discussion on QT
- **Dec 15<sup>th</sup> 2022:** QT announced with APP re-investment to reduce from end of February 2023 by an average 15bn/mth until end of Q2 2023
  - Dec repayment of TLTRO
- **Feb 7<sup>th</sup> 2023:** European Government deposits ceiling at €STR -20bp from April 30<sup>th</sup>. Level of ESTER-20bp to evolve with QT?



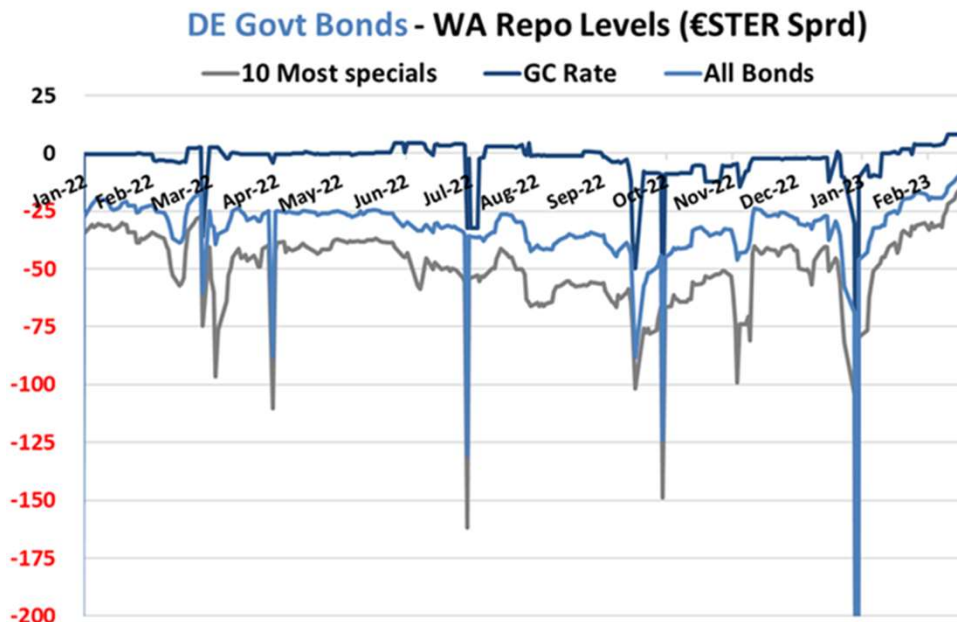


### III - AN IMPROVED SITUATION: German Specials



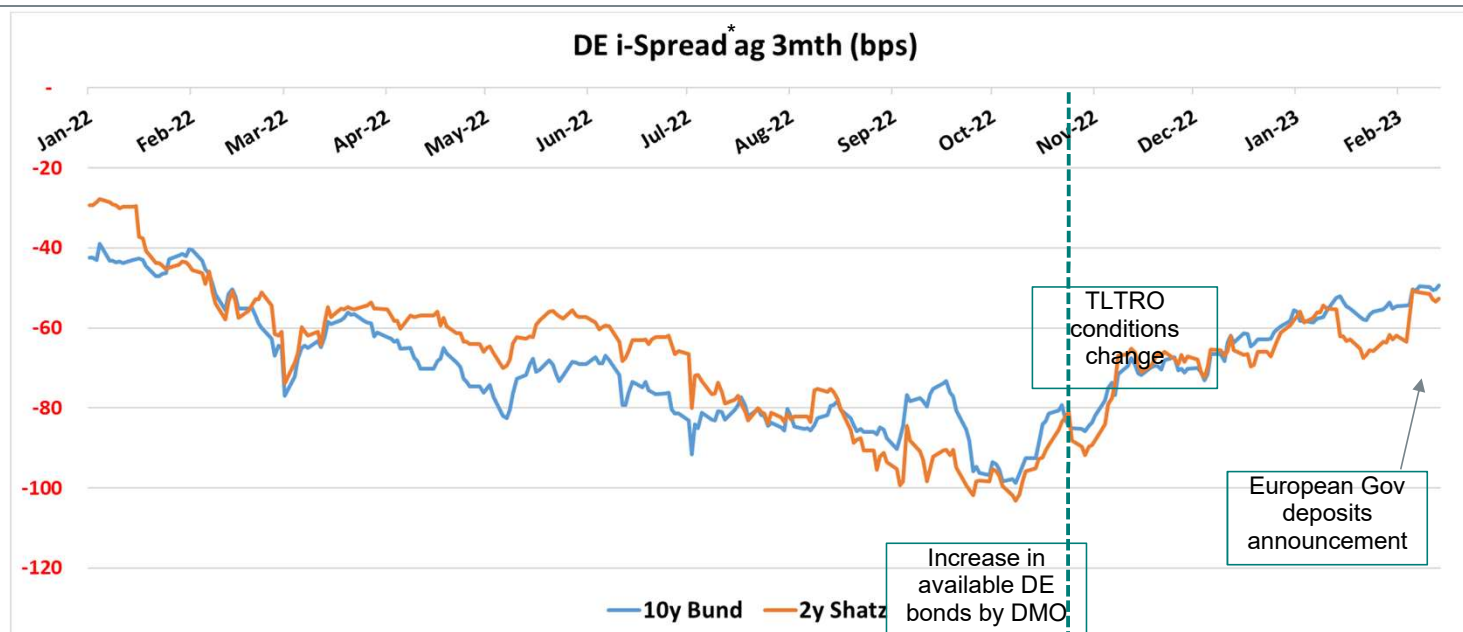
\*BKO went to -500bp

Source: BNPP, Brokettec



- Improvement in Repo conditions after a peak stress at Sep quarter end
- German Finance agency decision anticipated (?) or validating the post end of Q3 levels
- Turn of the year repo level realised ~ -2%, much improved from <-5% expected level in October
- Back to "normal"/ pre-squeeze levels at end of January

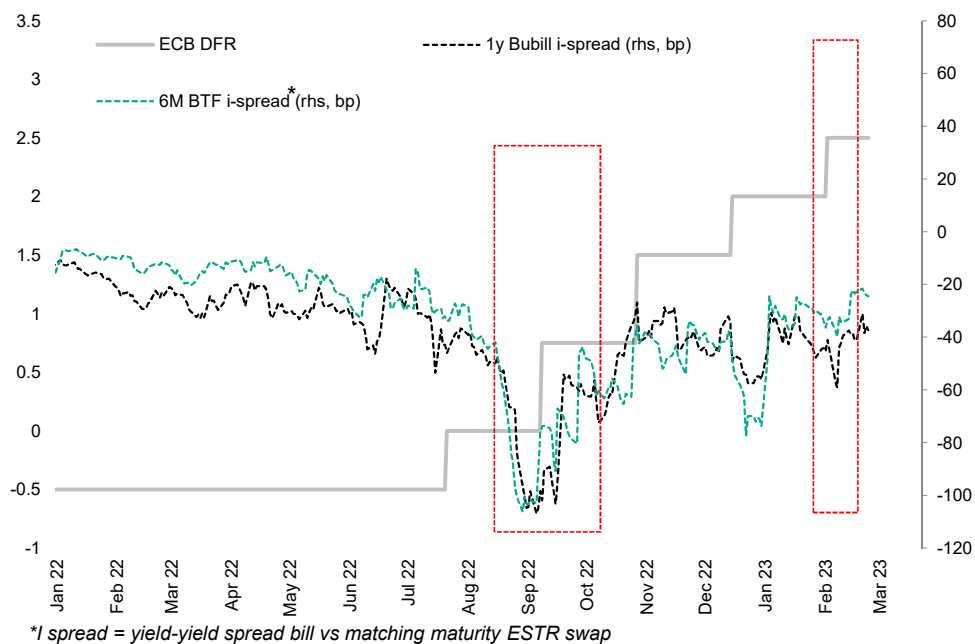
### III - AN IMPROVED SITUATION: German spreads against swap



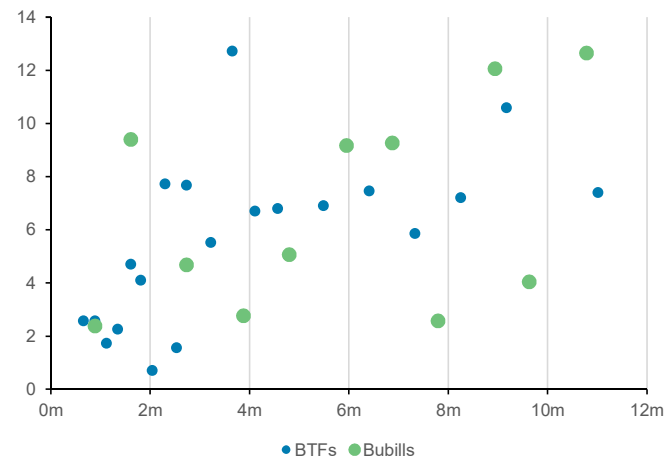
▪ \* yield-yield spread between the forward CTD bond and the matching maturity forward swap

- Real improvement of both Repo and bonds pricing against swaps started after Sep. quarter end, slightly before TLTRO change and 54bn German DMO own holdings increase
- Improved sentiment on risky assets also allowed a reduction positions from leveraged accounts
- TLTRO repayment, end of QE and more particularly QT start announcement in December helped even more
- Going through year end helped materialise the improved sentiment
- Expected increase in German spending , and corresponding Q1 2023 supply also strongly contributed
- Still going into Jan. ECB fast money played a widening of the Asset swap anticipating no action of ECB on Gov. deposits

## IV - IMPACT OF ECB ANNOUNCEMENT ON GOV. DEPOSITS ON EUROPEAN T-BILLS



Spread to ESTR (bp): impact post Feb announcement



- Evolution of the 6mth French and German bills swap spread since Jan 2022

- Spread moves for France and Germany bills on the day of the announcement

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