

## European Rates Supply Preview: Week ahead

## Moderate weekly gross supply ahead of sizeable C&R week

### EGBs: Austria, Germany, the Netherlands and France

The volume of gross EGB auctions reaches c.€22bn with Austria, Germany, the Netherlands and France in the market. There are no significant C&R flows this week (next week sees an uptick to €43bn mainly from "core" issuers).

On Tuesday, Austria taps the RAGB Jul26 and Feb33 for €1.38bn in total.

Also on Tuesday, Germany taps the DBRi Apr33 for €400mln and DBRi Apr46 for €200mln.

Again on Tuesday, the Netherlands launch the DSL Jan30 for up to €5bn.

On Wednesday, Germany also taps the DBR Nov29 for €4bn.

On Thursday, France issues the new OAT May33, taps the OAT May43 and OAT May54.

#### Bills: France, Germany, Holland, Belgium, Greece + EU

On Monday, **France** offers the three 3m lines and one 12m line for up to €6.3bn. Also on Monday, **Germany** offers the 9m line for €4bn and the 3m line for €2bn. On the same day, the **Netherlands** offer the 3m and 6m lines for €2bn each. On Tuesday, **Belgium** offers the 3m line for €1bn. On Wednesday, **Greece** offers the 3m line for €625mln. Also on Wednesday, **EU** offers two 3m lines for €2.5bn in total.

Exhibit 3: EGB spread residuals (in bp) according to PCA RV (cheap = positive residual) Cheaper French 2y and Belgian 7y-10y

	2у	5у	7у	10y	15y	25y
Austria	2.3	2.0	2.2	0.7	-1.4	-3.0
Netherlands	-3.0	-0.7	0.7	0.0	-0.5	-2.1
Belgium	-2.7	1.4	3.0	3.0	0.7	0.6
France	3.2	-0.5	0.0	-0.7	-0.8	-0.9
Italy	-0.6	1.6	0.9	-2.0	-1.3	0.4
Spain	-1.6	-0.5	-1.6	-3.4	2.7	1.9
Portugal	0.6	0.1	0.3	-1.4	-0.6	2.0

Source: BofA Global Research, Bloomberg (BFV rates). Residuals = Actual - Fitted EGB yield (expressed in bp and as a spread to Germany). The current value of dislocation (top-left corner of the table) is the z-score of the current standard deviation of EGB residuals originating from the regression on the first 11 principal components. For the full methodology, please see European Rates Viewpoint. BofA GLOBAL RESEARCH

#### UK: UKT Jan39 and UKT Jan29

In the UK, the DMO taps the UKT Jan39 for £2.25bn and UKT Jan29for £3.5bn.

#### US: No auctions on schedule

In the US, there are no auctions on schedule.

For a complete list of our open trade recommendations, as well as our trade recommendations closed over the last 12 months, see latest Global Rates Weekly.

Trading ideas and investment strategies discussed herein may give rise to significant risk and are not suitable for all investors. Investors should have experience in relevant markets and the financial resources to absorb any losses arising from applying these ideas or strategies.

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#### 02 April 2023

Rates Research Europe

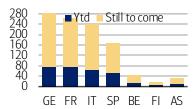
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#### Exhibit 1: Euro fixed coupon bond issuance, ytd vs. our estimates for the rest of 2023

Year to date versus expected 2023 target



Source: BofA Global Research. Note that this is only an indication of issuance evolution in the EUR FIXED COUPON market. It does not incorporate the funding through inflation linked bonds, CTZs and CCTs. BofA GLOBAL RESEARCH

#### **Exhibit 2: Ytd Euro fixed coupon bond** issuance in % of 2022 estimated targets

28% of the issuance done so far



Source: BofA Global Research. Note that this is only an indication of issuance evolution in the EUR FIXED COUPON market. It does not incorporate the funding through inflation linked bonds, CTZs and CCTs.

### Global bond supply/redemptions next 2 weeks

### Exhibit 4: Eurozone, UK and US government bond supply and C&R in the next two weeks

No significant redemptions with a moderate gross supply lead to a positive net supply of €17bn

U	)ate	Settle	Country	Sector	Amount (bn)	Bond	Туре	Date	Country		Amt (bn)		Туре
04	1-Apr	06-Apr	AS	3y	1.38	RAGB 2% 07/26	Тар						
04	1-Apr	06-Apr	AS	9y	1.38	RAGB 2.9% 02/33	Тар						
04	1-Apr	06-Apr	GE	10y	0.4	DBRi 0.1% 04/33	Тар						
04	1-Apr	06-Apr	GE	23y	0.2	DBRi 0.1% 04/46	Тар						
04	1-Apr	06-Apr	NE	7у	3.0-5.0	DSL 2.5% 01/30	New						
05	5-Apr	07-Feb	GE	6у	4.0	DBR 2.1% 11/29	Тар						
06	ô-Apr	10-Apr	FR	10y		OAT 3% 05/33	New						
06	ô-Apr	10-Apr	FR	20y	10.0-11.0	OAT 2.50% 05/43	Тар						
06	5-Apr	10-Apr	FR	31y		OAT 3% 05/54	Тар						
						Total week	€18.98-21.98					Total week	€0.0
11	1-Apr	13-Apr	GE	5y	5.0	OBL 2.2% 04/28	Тар	14-Apr	GE	-	18.5	OBL 0% 04/23	R
11	1-Apr	13-Apr	NE	6у	1.5-2.5(e)	DSL 2.50% 01/30	New	14-Apr	PO		0.4		C
12	2-Apr	14-Apr	GE	29y	1.5	DBR 0% 08/52	Тар	15-Apr	GE	-	16.5	DBRi 0.1% 04/23	R
13	3-Apr	17-Apr	IT	TBA on 06-Apr	7.0-9.0(e)	3y BTPS, 7y BTPS, >10y BTPS	TBA on 06-Apr	15-Apr	FI	-	5.0	RFGB 1.5% 04/23	R
13	3-Apr	17-Apr	SP	TBA on 07-Apr	5.0-6.0(e)	SPGB/SPGB€I	TBA on 07-Apr	15-Apr	GE	0-23y	0.2	DBRI	C
				,			•	15-Apr	FI	0-29y	0.5	RFGB	C
								15-Apr	IT	0-6y	1.2	BTP/CCTeu	C
								15-Apr	PO	4-29y	0.9	PGB	C
											_		
						Total week	€20.0-24.0					Total week	€43.2
04	1-Anr	05-Apr	UK	15v	2.25	UKT 1 125% 01/39	Tan						
	1-Apr	05-Apr	UK	15y	2.25	UKT 1.125% 01/39	Тар						
	1-Apr 5-Apr	05-Apr 06-Apr	UK UK	15y 5y	2.25 3.5	UKT 0.5% 01/29	Тар				_	Tabelonado	50.0
05	5-Apr	06-Apr	UK	5y	3.5	UKT 0.5% 01/29 Total week	Tap <b>£5.75</b>				_	Total week	£0.0
12	5-Apr 2-Apr	06-Apr 13-Apr	UK	5y 15y	3.5	UKT 0.5% 01/29  Total week  UKTI 0.125% 03/ 39	Tap <b>£5.75</b> Tap				-	Total week	£0.0
12	5-Apr	06-Apr	UK	5y	3.5	UKT 0.5% 01/29 Total week	Tap <b>£5.75</b>					Total week	£0.0
12	5-Apr 2-Apr	06-Apr 13-Apr	UK	5y 15y	3.5	UKT 0.5% 01/29  Total week  UKTI 0.125% 03/ 39	Tap <b>£5.75</b> Tap	-			-	Total week Total week	
12	5-Apr 2-Apr	06-Apr 13-Apr	UK	5y 15y	3.5	UKT 0.5% 01/29  Total week  UKTI 0.125% 03/ 39  UKT 3.25% 01/33	Tap <b>£5.75</b> Tap Tap				-		
12 13	5-Apr 2-Apr 3-Apr	06-Apr 13-Apr 14-Apr	UK UK UK	5y 15y 9y	3.5 TBA TBA	UKT 0.5% 01/29  Total week  UKTI 0.125% 03/ 39  UKT 3.25% 01/33  Total week	Tap £5.75 Tap Tap TBA				-	Total week	£0.0
12 13	5-Apr 2-Apr	06-Apr 13-Apr	UK UK UK	5y 15y	3.5	UKT 0.5% 01/29  Total week  UKTI 0.125% 03/ 39  UKT 3.25% 01/33	Tap <b>£5.75</b> Tap Tap <b>TBA</b>	15-Apr	US	-	47.0		£0.0
12 13	5-Apr 2-Apr 3-Apr	06-Apr 13-Apr 14-Apr	UK UK UK	5y 15y 9y	3.5 TBA TBA	UKT 0.5% 01/29  Total week  UKTI 0.125% 03/ 39  UKT 3.25% 01/33  Total week	Tap £5.75 Tap Tap TBA	15-Apr 15-Apr	US US	- -	47.0 40.1	Total week	£0.0
05 12 13 11 11 12	2-Apr 2-Apr 3-Apr	06-Apr 13-Apr 14-Apr	UK UK UK	5y 15y 9y	3.5  TBA  TBA  TBA on 06-Apr	UKT 0.5% 01/29  Total week  UKTI 0.125% 03/ 39  UKT 3.25% 01/33  Total week	Tap £5.75 Tap Tap TBA			- - 0-6y		Total week	<b>£0.0</b> <b>\$0.0</b> R

Treasuries, BofA Global Research. (e ) = estimate, C= Coupon, R= Redemption

Source: Treasuries, BofA Global Research.

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#### Exhibit 5: Euro-area bill auction calendar next week (€ bn)

Strong activity in the T-bill market

Auctions	Date	Ctry	Amt €bn	Sector	Maturity
Week 14	03-Mar	FR	2.2-2.6	3m	05-Jul-23
	03-Mar	FR	1.1-1.5	3m	23-Aug-23
	03-Mar	FR	0-0.4	3m	06-Sep-23
	03-Mar	FR	1.4-1.8	12m	20-Mar-24
	03-Apr	GE	4.0	9m	17-Jan-24
	03-Apr	GE	2.0	3m	19-Jul-23
	03-Apr	NE	2.0	3m	28-Jul-23
	03-Apr	NE	2.0	6m	28-Sep-23
	04-Apr	BE	1.0	3m	13-Jul-23
	05-Apr	GR	0.625	3m	07-Jul-23
	05-Apr	EU	1.0	3m	07-Jul-23
	05-Apr	EU	1.5	3m	08-Sep-23

Source: Treasuries, BofA Global Research.



## Exhibit 6: Issuance of EUR denominated fixed coupon bonds YTD versus estimated 2023 target – comparison with % reached at same time in '22 (\*\*) Issuance led by Italy

	EZ total	AS	BE	FI	FR ***	GE	GR*	CY	IR	IT**	NE	PO	SP
Issued week 27 Mar	21.1	-	0.5	-	-	7.5	2.5		-	10.6	-	-	-
Issued YTD, Gross	325.4	9.6	12.5	4.8	76.9	73.7	3.5		4.8	64.1	16.5	5.1	54.0
As% of 2023	28%	28%	28%	27%	29%	25%			68%	27%	33%	33%	33%
Difference vs 22	-4%	0%	-11%	-8%	0%	-15%			0%	-5%	-6%	-4%	-6%
Gross supply left	825.3	24.2	32.5	13.2	187.1	225.3	3.5		2.3	176.9	33.5	10.1	112.0
Redemptions (bn) **	600.9	28.1	21.3	10.8	115.3	148.5			0.0	180.3	17.5	9.7	69.5
Net supply left	224.4	-3.9	11.2	2.4	71.8	76.8	3.5		2.3	-3.4	16.0	0.4	42.5

Source: BofA Global Research, Bloomberg. Difference vs 22: positive when the country is more advanced than in 2022. Numbers may not add-up due to rounding. Numbers between bracket correspond to provisory figures (awaiting second day allocation), (\*\*\*) NOT netted for buy-back operations (estimated at €20bn).(\*) we expect very small Euro bond issuance from these countries, as they will mainly rely on EU/IMF help to pay back their debt and fund their deficit; (\*) Exclusively held by the ECB/EIB(\*\*) This is an indication of issuance evolution in the EUR FIXED COUPON bonds. It may not translate the full picture of evolution of state funding as it does not incorporate inflation linked bonds, zeros and floating rate notes issuance / redemp. The table only tracks auctions and syndications

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## Exhibit 7: Total bond and Bill issuance in 2023 across all bond types, with buybacks included where relevant Supply through the year

2023	Austria	Belgium	Finland	France	Germany	Greece	Ireland	Italy	Netherlands	Portugal	Spain	Totals
EUR fixed coupon bonds (1)	34	45	18	264	303	7	7	241	50	15	166	1150
Change versus 2021	1	2	0	4	81	1	0	17	6	8	22	141
Other Bonds (EUR linkers/floaters/zero cpn) (2)	0	0	0	26	7	0	0	70	0	0	7	110
Gross Bond Issuance (3) = (1)+(2)	34	45	18	290	310	7	7	311	50	15	173	1260
Change versus 2021	1	1	0	4	81	-1	0	40	6	8	22	161
Total Redemptions* (4)	28	21	11	156	189	5	7	266	30	10	92	815
Net Bond issuance (*inc. Buybacks)	6	23	7	116	121	4	0	45	20	10	81	433
Change versus 2022	-1	7	0	-7	60	0	5	4	7	6	-2	78
Net Bill issuance (6)	6	1	1	3	42	1	0	0	4	4	-5	57
Net Total (5)+(6)	12	24	8	120	163	4	0	45	24	14	76	489

Source: BofA Global Research, Countries Treasuries. Note: Numbers are expressed in EUR bn and may not add up due to rounding. (2) Total bonds correspond to the sum of EUR-denominated fixed coupon bonds

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### Exhibit 8: Forecasted European government bond gross supply in 2023

Supply through the year

	Jan	Feb	Mar	Apr (est.)	May (est.)	Jun (est.)	Jul (est.)	Aug (est.)	Sep (est.)	Oct (est.)	Nov (est.)	Dec (est.)	2023
Austria	6	2	2	2	7	2	2	1	6	2	1	1	34
Belgium	7	6	4	5	5	5	4	2	5	3	0	0	45
Finland	4	0	2	1	4	1	0	3	1	1	2	0	18
France	27	30	25	26	33	28	31	14	31	25	17	3	290
Germany	28	32	28	25	33	21	25	29	27	25	29	8	310
Greece	4	0	3	0	0	0	0	0	0	0	0	0	7
Ireland	4	0	1	0	1	0	0	0	1	0	0	0	7
Italy	31	31	37	27	24	30	22	12	28	26	30	15	311
Netherlands	6	8	2	3	6	7	3	0	7	3	4	0	50
Portugal	3	1	1	4	1	1	0	0	2	1	2	0	15
Spain	20	17	13	14	14	23	15	8	20	15	8	5	173
Total	139	127	118	106	127	119	102	68	126	102	93	32	1260

 $\textbf{Source:} \ \ \mathsf{BofA} \ \ \mathsf{Global} \ \ \mathsf{Research.} \ \ \mathsf{Note:} \ \ \mathsf{Numbers} \ \ \mathsf{are} \ \mathsf{expressed} \ \mathsf{in} \ \ \mathsf{EUR} \ \mathsf{bn}.$ 



#### Exhibit 9: Projected supply net of coupons, redemptions, buybacks and QE

Monthly supply through the year

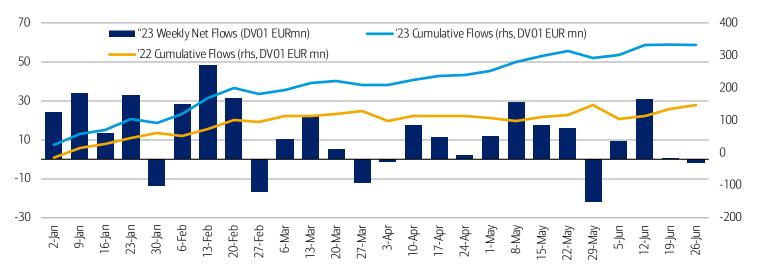
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2023
Austria	6	2	1	-4	7	2	-7	1	6	-9	1	1	8
Belgium	7	6	2	5	5	-9	4	2	5	-5	0	0	21
Finland	4	0	2	-4	4	1	0	3	-4	1	2	0	9
<u>France</u>	27	16	3	7	-14	29	8	14	30	-21	15	4	118
Germany	26	12	16	-7	15	9	22	10	14	10	30	-6	150
Greece	-2	0	2	0	0	0	0	0	0	0	0	0	00
Ireland	4	0	-6	0	1	0	0	0	1	0	0	0	0
Italy	14	27	-2	16	-14	11	9	-28	-1	-7	-4	3	24
Netherlands	-8	9	2	4	6	7	-12	0	7	4	4	0	22
Portugal	3	0	1	3	1	1	0	0	1	-8	1	0	3
Spain	-5	17	12	12	-5	23	-9	7	19	-8	1	4	67
Total	76	87	34	33	4	73	14	9	79	-42	50	6	423

Source: BofA Global Research. Note: Numbers are expressed in EUR bn.

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#### Exhibit 10: Weekly DV01 of gross issuance net of reinvestment flows (from privates and ECB)

Net supply in DV01 terms is seen accelerating over May



Source: ECB, Treasuries, Own calcs

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### Eurozone bond supply/redemption quarterly

## Exhibit 11: Euro-area government bond auctions (incl. fixed coupons, IL, CTZ, CCT), coupons and redemptions (only EUR) for Q2 2023 Flows through the quarter

Auctions	Date	Ctry	Amt	Sector(s)		Date	Country	Amount	Туре
Syndication	May	AS		30y					
	Apr-May	FI		10y					
	May	FR		10/20y OATi					
	Apr-May	GE		Green/Convention 10y/>10y					
Wk 13					Wk 13	1-Apr	IT	0.9	С
Wk 14	4-Apr	AS	1.0-2.0(e)	RAGB	Wk 14				
	4-Apr	NE	3.0-5.0	DSL 2.50% 01/30					
	5-Apr	GE	4.0	DBR 2.1%11/29					
	6-Apr	FR	11.0-12.0(e)	>8y OAT					
Wk 15	11-Apr	GE	5.0	OBL 2.2% 4/28	Wk 15	14-Apr	GE	18.5	R
	12-Apr	PO	0.75-1.25(e)	PGB (potential auction)		14-Apr	PO	0.4	C
	13-Apr	IT	7.0-9.0(e)	3y BTPS, 7y BTPS, >10y BTPS		15-Apr	GE	16.5	R

Exhibit 11: Euro-area government bond auctions (incl. fixed coupons, IL, CTZ, CCT), coupons and redemptions (only EUR) for Q2 2023 Flows through the quarter

Auctions	Date	Ctry	Amt	Sector(s)		Date	Country	Amount	Туре
	13-Apr	SP	5.0-6.0(e)	SPGB/SPGB€I		15-Apr	FI	5.0	R
						15-Apr	GE	0.2	C
						15-Apr	FI	0.5	C
						15-Apr	ΙΤ	1.2	C
						15-Apr	PO	0.4	C
Wk 16	18-Apr	FI	1.0-1.5(e)	RFGB	Wk 16	18-Apr	PO	0.2	C
	18-Apr	NE	1.5-2.5(e)	DSL		20-Apr	AS	6.2	R
	19-Apr	GE	4.0	DBR 2.3% 2/33		20-Apr	ΙΤ	9.3	R
	20-Apr	FR	11.0-12.0(e)	2-8y OAT/OAT€i		22-Apr	BE	0.3	C
	20-Apr	SP	5.0-6.0(e)	SPGB					
	21-Apr	ΙΤ	3.0-5.0(e)	BTPShort, BTP€I					
Wk 17	24-Apr	BE	2.0-3.0(e)	BGB	Wk 17	25-Apr	FR	10.6	R
	25-Apr	GE	6.0	BKO 0% 6/25		25-Apr	FR	9.3	C
	27-Apr	IT	7.0-9.0(e)	5y BTPS, 10y BTPS, CCTeu		'			
	27-Apr	FI	0.4(e)	RFGB ORI					
Wk 18					Wk18	30-Apr	SP	21.8	R
						30-Apr	SP	3.4	С
						30-Apr	IT	0.3	С
		Total Apr	up to €77.6-93.7(e)			30 / (p)	Total Apr	€ 105.0	
Wk 18	3-May	GE	3.0	DBR 2.1% 11/29	Wk 18	1-May	IT	17.1	R
*** 10	3-May	FR	5.0 11.0-12.0(e)	>8y OAT	*** 10	1-May	ΙΤ	4.3	C
	,	SP	, ,	SPGB/SPGB€I		1-iviay	11	4.3	C
	4-May	BE	5.0-6.0(e)						
14/1 10	5-May		0.5-0.7(e)	ORI Facility	14/1 10				
Wk 19	9-May	AS	1.0-2.0(e)	RAGB	Wk 19				
	9-May	GE	5.0	OBL 2.2% 4/28					
	10-May	PO	0.75-1.25(e)	PGB (potential auction)					
	11-May	IR	1.0-2.0(e)	IRISH (potential auction)					
	11-May	ΙΤ	7.0-9.0(e)	3y BTPS, 7y BTPS, >10y BTPS					
14/1 20	16.14		10.15( )	DE CD	W// 20	15.14		22.5	
Wk 20	16-May	FI	1.0-1.5(e)	RFGB	Wk 20	15-May	GE	22.5	R
	17-May	GE	4.0	DBR 2.3% 2/33		15-May	IT	10.1	R
	17-May	FR	11.0-12.0(e)	2-8y OAT/OAT€i		15-May	GE	0.8	C
	18-May	SP	5.0-6.0(e)	SPGB		15-May	IT	0.8	C
						15-May	ΙE	0.9	С
Wk 21	22-May	BE	2.0-3.0(e)	BGB	Wk 21	22-May	ΙΤ	8.6	R
	23-May	GE	6.0	BKO 0% 6/25		22-May	ΙΤ	0.1	C
	23-May	NE	1.5-2.5(e)	DSL		23-May	AS	0.3	C
	24-May	GE	1.5	DBR 1% 5/38		25-May	FR	41.7	R
	25-May	ΙΤ	3.0-5.0(e)	BTPShort, BTP€I		25-May	FR	10.2	C
	-					26-May	IT	0.2	C
Wk 22	30-May	ΙΤ	7.0-9.0(e)	5y BTPS, 10y BTPS, CCTeu	Wk 22	30-May	IT	0.1	С
	31-May	GE	3.0	DBR 2.1% 11/29		31-May	SP	0.2	С
		Total May	up to €79.2-94.5(e)				Total May	€ 117.9	
Wk 22	1-Jun	FR	11.0-12.0(e)	>8y OAT	Wk 22	1-Jun	ΙΤ	2.3	С
	1-Jun	SP	5.0-6.0(e)	SPGB/SPGB€I					
	2-Jun	BE	0.5-0.7(e)	ORI Facility					
Wk 23	6-Jun	AS	1.0-2.0(e)	RAGB	Wk 23				
		PO	0.75-1.25(e)	PGB (potential auction)					
WKZJ	7-lun								
WKZJ	7-Jun 8-Jun	FI	0.4(e)	RFGB ORI					
WKZJ				RFGB ORI					
Wk 24	8-Jun 13-Jun	FI FI	0.4(e) 1.0-1.5(e)	RFGB	Wk 24	15-Jun	IT	12.3	R
	8-Jun	FI FI GE	0.4(e)		Wk 24	15-Jun 15-Jun	IT IT	12.3 0.7	R C
	8-Jun 13-Jun	FI FI	0.4(e) 1.0-1.5(e)	RFGB	Wk 24				
	8-Jun 13-Jun 13-Jun	FI FI GE	0.4(e) 1.0-1.5(e) 5.0	RFGB OBL 0% 10/28	Wk 24	15-Jun	IT	0.7	C
	8-Jun 13-Jun 13-Jun 13-Jun	FI FI GE IT NE	0.4(e) 1.0-1.5(e) 5.0 7.0-9.0(e)	RFGB OBL 0% 10/28 3y BTPS, 7y BTPS, >10y BTPS	Wk 24	15-Jun 15-Jun 15-Jun	IT PO GR	0.7 0.2 0.1	C C C
	8-Jun 13-Jun 13-Jun 13-Jun 13-Jun 14-Jun	FI FI GE IT NE GE	0.4(e) 1.0-1.5(e) 5.0 7.0-9.0(e) 1.5-2.5(e) 4.0	RFGB OBL 0% 10/28 3y BTPS, 7y BTPS, >10y BTPS DSL 07/33 DBR 2.3% 2/33	Wk 24	15-Jun 15-Jun	IT PO	0.7 0.2	C C
	8-Jun 13-Jun 13-Jun 13-Jun 13-Jun	FI FI GE IT NE	0.4(e) 1.0-1.5(e) 5.0 7.0-9.0(e) 1.5-2.5(e)	RFGB OBL 0% 10/28 3y BTPS, 7y BTPS, >10y BTPS DSL 07/33	Wk 24	15-Jun 15-Jun 15-Jun	IT PO GR	0.7 0.2 0.1	C C C



Exhibit 11: Euro-area government bond auctions (incl. fixed coupons, IL, CTZ, CCT), coupons and redemptions (only EUR) for Q2 2023 Flows through the quarter

Auctions	Date	Ctry	Amt	Sector(s)		Date	Country	Amount	Type
Wk 25	19-Jun	BE	2.0-3.0(e)	BGB	Wk 25	18-Jun	GR	0.2	С
	20-Jun	GE	5.5	BKO 0% 6/25		18-Jun	PO	0.1	C
						20-Jun	AS	0.2	C
						22-Jun	BE	12.8	R
						22-Jun	BE	3.9	C
						22-Jun	IT	0.1	С
Wk 26	27-Jun	IT	3.0-5.0(e)	BTPShort, BTP€I	Wk 26	25-Jun	FR	0.6	С
	27-Jun	NE	1.5-2.5(e)	DSL 2.50% 07/33		28-Jun	IT	0.1	C
	30-Jun	ΙΤ	7.0-9.0(e)	5y BTPS, 10y BTPS, CCTeu					
		Total Jun	up to €72.5-87.8(e)				Total Jun	€ 49.8	

BofA Global Research estimates and national debt GE management agencies. Note: Numbers are expressed in EUR bn. In the leftmost column, C indicates a coupon payment, Ra redemption

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## Exhibit 12: Common acronyms/abbreviations used in our Europe Economics Research reports

This list is subject to change

Acronym/Abbreviation	n Definition	Acronym/Abbreviation	Definition
1H	First Half	lT IT	Italy
2H	Second Half	Jan	January
1Q	First Quarter	Jul	July
2Q	Second Quarter	Jun	June
3Q	Third Quarter	lhs	left-hand side
4Q	Fourth Quarter	m	month
ann	annualized	MA	Moving Average
APP	Asset Purchase Programme	Mar	March
Apr	April	MBM	Meeting-by-meeting
AS	Austria	mom	month-on-month
Aug	August	Mon	Monday
BdF	Banque de France (Bank of France)	MPC	Monetary Policy Committee
BE	Belgium	MWh	Megawatt-hour
BEA	Bureau of Economic Analysis	NGEU	NextGenerationEU
BLS	Bank Lending Survey	NE	Netherlands
BoE	Bank of England	Nov	November
BofA	Bank of America	NRRP	National Recovery and Resilience Plan
Bol	Banca d'Italia (Bank of Italy)	NSA	Non-seasonally Adjusted
BoJ	Bank of Japan	OAT	Obligations assimilables du Trésor
BoS	Banco de España (Bank of Spain)	OBR	Office for Budget Responsibility
bp	basis point	Oct	October
BTP	Buoni Poliennali del Tesoro	OECD	Organisation for Economic Co-operation and Development
Buba	Bundesbank	ONS	Office for National Statistics
С	circa	р	preliminary/flash print
CA	Current Account	PBoC	People's Bank of China
CPI	Consumer Price Index	PEPP	Pandemic Emergency Purchase Programme
CSPP	Corporate Sector Purchase Programme	PMI	Purchasing Managers' Index
d	day	PSPP	Public Sector Purchase Programme
GE	Germany	PT	Portugal
Dec	December	QE	Quantitative Easing
DS	Debt sustainability	qoq	quarter-on-quarter
EA	Euro area	QT	Quantitative Tightening
EC	European Commission	RBA	Reserve Bank of Australia
ECB	European Central Bank	RBNZ	Reserve Bank of New Zealand
ECJ	European Court of Justice	rhs	right-hand side
EFSF	European Financial Stability Facility	RPI	Retail Price Index
EGB	European Government Bond	RRF	Recovery and Resilience Facility
EIB	European Investment Bank	SA	Seasonally Adjusted
EMOT	Economic Mood Tracker	SAFE	Survey on the access to finance of enterprises
EP	European Parliament	Sat	Saturday
SP	Spain	Sep	September
ESI	Economic Sentiment Indicator	SMA	Survey of Monetary Analysts

# **Exhibit 12: Common acronyms/abbreviations used in our Europe Economics Research reports**This list is subject to change

Acronym/Abbreviation	Definition	Acronym/Abbreviation	Definition
ESM	European Stability Mechanism	SNB	Swiss National Bank
EU	European Union	SPF	Survey of Professional Forecasters
f	final print	Sun	Sunday
Feb	February	SURE	Support to mitigate Unemployment Risks in an Emergency
Fed	Federal Reserve	S&P	Standard & Poor's
FR	France	Thu	Thursday
Fri	Friday	TLTRO	Targeted Longer-term Refinancing Operations
GC	Governing Council	TPI	Transmission Protection Instrument
GDP	Gross Domestic Product	TTF	Title Transfer Facility
GNI	Gross National Income	Tue	Tuesday
GR	Greece	UK	United Kingdom
HICP	Harmonised Index of Consumer Prices	US	United States
HMT	His Majesty's Treasury	WDA	Work-day Adjusted
IMF	International Monetary Fund	Wed	Wednesday
INSEE	National Institute of Statistics and Economic Studies	у	year
IP	Industrial Production	yoy	year-on-year
IR	Ireland	ytd	year-to-date
PCA	Principal Component Analysis	EGB	Eurozone Governmeny Bond

Source: BofA Global Research



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