

European Rates Supply Preview: Week ahead

Two weeks of negative net supply

EGBs: Finland, Germany, Greece, France and Spain

Gross EGB auctions increase to c.€24.5bn with Finland, Germany, Greece, France and Spain in the market. Germany, Italy and Ireland repay €35.1bn in C&R.

On Tuesday, Finland taps the RFGB Apr38 for up to €1 bn.

On Wednesday, Germany taps the DBR Feb33 for €4bn.

Also on Wednesday, Greece is expected to run an auction (details TBA).

Again on Wednesday, France taps the OAT Sep26, May27 and Feb29 for up to €11bn. It also taps the OAT€I Mar29, Jul36 and Jul53 for up €2bn.

On Thursday, Spain taps the SPGB May25, Jan27, Jul28 and SPGB€I Jul43 for up to €6.5bn.

Bills: France, Germany, Holland, Spain and EU

On Monday, **France** offers two 3m lines, one 6m line and one 9m line for up to €6.3bn. Also on Monday, **Germany** offers the 12m line for €5bn. Also on Monday, **the**Netherlands, offer two 3m lines for €2bn each. On Tuesday, **Spain** offers the 3m line and 9m line for up to €2.5bn in total. On Wednesday, the **EU** offers the 3m and 5m lines for €1bn each.

Exhibit 3: EGB spread residuals (in bp) according to PCA RV (cheap = positive residual) 10y Bono substantially rich on the spread curve

	2у	5у	7у	10y	15y	25y
Austria	-3.7	1.5	1.7	-1.7	-2.6	2.2
Netherlands	-6.1	2.2	3.0	-0.4	-0.7	-0.6
Belgium	-2.7	2.2	3.1	0.1	-1.1	1.9
France	-0.4	1.3	1.7	-2.4	-3.6	0.2
Italy	-1.6	2.2	1.7	-3.3	-1.4	1.9
Spain	4.0	0.4	-2.0	-5.0	0.8	5.1
Portugal	-1.0	1.3	1.3	-1.3	0.7	-1.7

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 refer to reporteplace this text

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UK: UKT Jan27 and UKT Oct63 syndication

In the UK, the DMO taps the UKT Jan27 for £3.75bn and runs a syndication for UKT Oct63.

US: 10y TIPS and 20y Bond

In the US, the Treasury taps the 10y Note & issues the new 20y Bond for \$30bn in total.

For a complete list of our open trade recommendations, as well as our trade recommendations closed over the last 12 months, see the 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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Refer to important disclosures on page 8 to 9.

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15 May 2023

Rates Research Europe

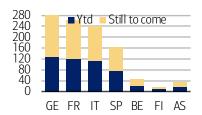
European Rates Research MLI (UK)

Erjon Satko Rates Strategist BofASE (France) +33 1 8770 0304 erjon.satko@bofa.com

See Team Page for List of Analysts

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

Year to date versus expected 2023 target

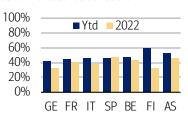


BofA Global Research Note that this is only an indication of issuance evolution in the EUR FIXED COUPON market. It does not incorporate the funding through inflation linked bonds, CTZs and CCTs

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

46% of the issuance done so far



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

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Global bond supply/redemptions next 2 weeks

Exhibit 4: Eurozone, UK and US government bond supply and C&R in the next two weeks
Significant redemptions and coupons flows with a moderate gross supply lead to a negative net supply of €10.6bn

Da	ate	Settle	Country	Sector	Amount (bn)	Bond	Туре	Date	Country		Amt (bn)		Туре
16-1	May	18-May	FI	14y	1.0	RFGB 2.75% 04/38	Тар	15-May	GE	-	22.5	DBR 1.5% 05/23	R
17-1	May	19-May	GE	9y	4.0	DBR 2.3% 02/33	Tap	15-May	IT	-	10.1	BTPS 0.1% 05/23	R
17-1	May	19-May	GR	TBA	TBA	GGB	TBA	15-May	GE	0-15y	0.8	DBR	C
17-1	May	22-May	FR	Зу		OAT 2.50% 09/26	Тар	15-May	IT	0-28y	0.8	BTPS	C
17-1	May	22-May	FR	4y	10.0-11.0	OAT 1% 05/27	Тар	15-May	ΙE	4-27y	0.9	IRISH	C
17-1	May	22-May	FR	5y		OAT 2.75% 02/29	Тар						
17-1	May	22-May	FR	5y		OAT€I 0.1% 03/29	Тар						
17-1	May	22-May	FR	13y	1.5-2.0	OAT€I 0.1% 07/36	Тар						
17-1	May	22-May	FR	30y		OAT€I 0.1% 07/53	Тар						
	May	22-May	SP	2y		SPGB 0% 05/25	Тар						
	May	22-May	SP	Зу	5.5-6.5	SPGB 0.% 01/27	Тар						
	May	22-May	SP	5y	3.3 0.3	SPGB 1.40% 07/28	Тар						
18-1	May	22-May	SP	20y		SPGB€ 3.45% 07/43	Тар						
						Total week	€22.0-24.5(e)					Total week	€35.1
22-1	May	24-May	BE	TBA on 16-May	2.0-3.0(e)	BGB	TBA on 16-May	22-May	IT	-	8.6	BTP 0.45% 05/23	R
23-1	May	25-May	GE	2y	6.0	BKO 0% 06/25	Тар	22-May- 26-May	IT	0-3y	0.3	ВТР	C
23-1	May	25-May	NE	TBA on 17-May	1.5-2.5(e)	DSL	Тар	23-May	AS	11-26y	0.3	RAGB	C
24-1	May	26-May	GE	15y	1.5	DBR 1% 05/38	Тар	25-May	FR	-	41.7	OAT 1.75% 05/23	R
25-1	May	29-May	IT	TBA on 22-May	3.0-5.0(e)	BTPShort, BTP€I	TBA on 22-May	25-May	FR	0-49y	10.2	OAT	C
						Total week	€14.0-18.0					Total week	€61.1
16-1	May	17-May	UK	40y	4.5(e)	UKT 10/63 (cpn TBA)	Syndication						
17-1	May	18-May	UK	Зу	3.75	UKT 4.125% 01/27	Тар						
						Total week	£7.25(e)					Total week	£0.0
23-1	May	24-May	UK	27y	TBA	UKTI 0.125% 03/51	TBA	22-May	UK	0-42y	0.9	UKTI	C
24-1	May	25-May	UK	10y	TBA	UKT (G) 0.875% 07/33	TBA						
	. ,			,		Total week	TBA	1			-	Total week	£0.9
17-1	May	31-May	US	20y	15.0	T	New	15-May	US	-	64.2	T	R
18-1	May	31-May	US	10y	15.0	TIPS	Тар	15-May	US	-	66.0	T	R
	,	,		,			·	15-May	US	0-29	50.9	T	С
							\$30.0	1.0			-	·	\$181.1
23-1	May	31-May	US	2y	TBA on 18-May	T	New						4.01.1
	May	26-May	US	2y	TBA on 18-May	FRN	Тар						
	May	31-May	US	2y 5y	TBA on 18-May	T	New						
	May	31-May	US	7y	TBA on 18-May	T	New						
2,5-1	iviay	Ji iviay	03	' y	IDA OII IO May			1			-	Tatalalı	\$0.0
						Total week	TBA					Total week	\$0.C

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 20	15-May	FR	2.1-2.5	3m	16-Aug-23
	15-May	FR	1.4-1.8	3m	18-Oct-23
	15-May	FR	0.1-0.5	6m	29-Nov-23
	15-May	FR	1.1-1.5	9m	17-Apr-24
	15-May	GE	5.0	12m	15-May-24
	15-May	NE	2.0	3m	30-Aug-23
	15-May	NE	2.0	3m	30-Oct-23
	16-May	SP	1525	3m	11-Aug-23
	16-May	SP	1.5-2.5	9m	09-Feb-24
	17-May	EU	1.0	3m	04-May-23
	17-May	EU	1.0	6m	10-Nov-23

Source: Treasuries, BofA Global Research.

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

	EZ total	AS	BE	FI	FR***	GE	GR*	CY	IR	IT**	NE	PO	SP
Issued week 8 May	18.0	1.9	-	-	-	7.4	-		-	8.8	-	-	-
Issued YTD, Gross	524.9	18.0	21.6	10.9	118.3	127.3	6.3		4.8	112.9	22.9	5.1	76.8
As% of 2023	46%	53%	48%	60%	45%	42%			68%	47%	46%	33%	46%
Difference vs 22	5%	8%	5%	28%	3%	9%			4%	9%	-3%	-28%	-2%
Gross supply left	624.8	15.7	23.4	7.1	145.7	175.5	0.7		2.3	128.1	27.1	10.1	89.2
Redemptions (bn) **	495.9	21.9	21.3	5.8	104.7	113.5			0.0	153.8	17.5	9.7	47.7
Net supply left	129.0	-6.2	2.1	1.3	41.0	62.0	0.7		2.3	-25.7	9.6	0.4	41.5

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

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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 2022	1	2	0	4	81	1	0	17	6	3	22	136
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 2022	1	1	0	4	81	-1	0	40	6	3	22	156
Total Redemptions* (4)	28	21	11	156	189	5	7	266	30	10	92	815
Net Bond issuance (*inc. Buybacks)	6	24	7	134	121	2	0	45	20	5	81	445
Change versus 2022	-1	8	0	11	60	-1	5	4	7	1	-2	90
Net Bill issuance (6)	6	1	1	3	42	1	0	0	4	4	-5	57

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

Net Total (5)+(6)

Austria	Jan 6	Feb 2	Mar 2	Apr 7	May (est.) 5	Jun (est.) 2	Jul (est.)	Aug (est.)	Sep (est.) 5	Oct (est.)	Nov (est.)	Dec (est.)	2023 34
Belgium	7	6	4	4	5	5	4	2	5	3	0	0	45
Finland	4	0	2	5	2	0	0	2	1	1	1	0	18
France	27	32	31	24	31	27	30	13	29	25	17	3	290
Germany	28	32	28	30	32	19	25	27	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	34	23	29	21	11	27	25	28	14	311
Netherlands	6	8	2	6	5	6	3	0	6	3	4	0	50
Portugal	3	1	1	0	2	1	0	0	2	2	2	0	15
Spain	25	19	15	13	13	22	14	7	18	14	7	5	173
Total	145	131	127	123	120	112	98	64	121	98	90	31	1260

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

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

Monthly supply through the year

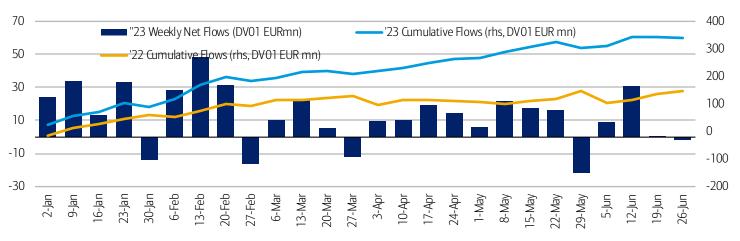
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2023
Austria	6	2	1	1	5	2	-7	1	5	-8	1	1	10
Belgium	7	6	2	4	5	-9	4	2	5	-4	0	0	22
Finland	4	0	2	0	2	0	0	2	-3	1	1	0	10
France	27	19	9	6	-16	27	9	14	29	-18	14	4	123
Germany	26	12	16	-2	13	7	22	10	16	12	30	-4	158
Greece	-2	0	2	0	0	0	0	0	0	0	0	0	0
Ireland	4	0	-6	0	1	0	0	0	1	0	0	0	0
Italy	14	27	-1	23	-15	10	9	-26	-1	-5	-3	3	34
Netherlands	-8	9	2	7	6	6	-11	0	6	3	4	0	24
Portugal	3	0	1	-1	2	1	0	0	2	-6	2	0	4
Spain	0	18	15	11	-6	21	-8	6	18	-7	1	4	71
Total	81	91	42	50	-3	66	18	10	77	-34	50	7	456

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	Type
Syndication	May	FR		10/20y OATi					
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
	13-Apr	SP	5.0-6.0(e)	SPGB/SPGB€I		15-Apr	FI	5.0	R
						15-Apr	GE	0.2	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	Туре
						15-Apr	FI	0.5	C
						15-Apr	IT	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	IT	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	IT	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	C
						30-Apr	ΙΤ	0.3	C
		Total Apr	up to €77.6-93.7(e)			30 / tpi	Total Apr	€ 105.0	
Wk 18	2 May	GE	3.0	DBR 2.1% 11/29	Wk 18	1 May			D
MAKIO	3-May 4-May	GE FR	5.0 11.0-12.0(e)	>8y OAT	WKIO	1-May 1-May	IT IT	17.1 4.3	R C
	4-May	FR SP	5.0-6.0(e)	>oy OAT SPGB/SPGB€I		i-ividy	11	4.3	C
	4-May 5-May	SP BE	5.0-6.0(e) 0.5-0.7(e)	SPGB/SPGB€I ORI Facility					
WI- 10					WI- 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					
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	ΙΤ	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	ΙΤ	0.8	C
	,					15-May	ΙE	0.9	C
Wk 21	22-May	BE	2.0-3.0(e)	BGB	Wk 21	22-May	IT	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	IT	3.0-5.0(e)	BTPShort, BTP€I		25-May	FR	10.2	C
	25 IVIU		3.0 3.0(c)	511 51101 Ç 511 CI		26-May	IT	0.2	C
Wk 22	30-May	IT	7.0-9.0(e)	5y BTPS, 10y BTPS, CCTeu	Wk 22	30-May	IT	0.1	С
VVKZZ	31-May	GE	3.0	DBR 2.1% 11/29	WKZZ	31-May	SP	0.1	C
	J1 Iviay	Total May	up to €79.2-94.5(e)	DBI(2.1 /0 1 1/2)		J1 Way	Total May	€ 117.9	
	1.1	· · · · · · · · · · · · · · · · · · ·	11.0-12.0(e)	>8y OAT	Wk 22	1-Jun	IT	2.3	С
Wk 22	I-li in	FR			**** 22	ı juli		2.3	C
Wk 22	1-Jun 1-Jun	FR SP							
Wk 22	1-Jun	SP	5.0-6.0(e)	SPGB/SPGB€I					
	1-Jun 2-Jun	SP BE	5.0-6.0(e) 0.5-0.7(e)	SPGB/SPGB€I ORI Facility	WILZZ				
Wk 22 Wk 23	1-Jun 2-Jun 6-Jun	SP BE AS	5.0-6.0(e) 0.5-0.7(e) 1.0-2.0(e)	SPGB/SPGB€I ORI Facility RAGB	Wk 23				
	1-Jun 2-Jun 6-Jun 7-Jun	SP BE AS PO	5.0-6.0(e) 0.5-0.7(e) 1.0-2.0(e) 0.75-1.25(e)	SPGB/SPGB€I ORI Facility RAGB PGB (potential auction)	Wk 23				
	1-Jun 2-Jun 6-Jun	SP BE AS	5.0-6.0(e) 0.5-0.7(e) 1.0-2.0(e)	SPGB/SPGB€I ORI Facility RAGB	Wk 23				
	1-Jun 2-Jun 6-Jun 7-Jun	SP BE AS PO	5.0-6.0(e) 0.5-0.7(e) 1.0-2.0(e) 0.75-1.25(e)	SPGB/SPGB€I ORI Facility RAGB PGB (potential auction)	Wk 23	15-Jun	ІТ	12.3	R
Wk 23	1-Jun 2-Jun 6-Jun 7-Jun 8-Jun	SP BE AS PO FI	5.0-6.0(e) 0.5-0.7(e) 1.0-2.0(e) 0.75-1.25(e) 0.4(e)	SPGB/SPGB€I ORI Facility RAGB PGB (potential auction) RFGB ORI		15-Jun 15-Jun	П	12.3 0.7	R C
Wk 23	1-Jun 2-Jun 6-Jun 7-Jun 8-Jun	SP BE AS PO FI	5.0-6.0(e) 0.5-0.7(e) 1.0-2.0(e) 0.75-1.25(e) 0.4(e)	SPGB/SPGB€I ORI Facility RAGB PGB (potential auction) RFGB ORI					
Wk 23	1-Jun 2-Jun 6-Jun 7-Jun 8-Jun 13-Jun	SP BE AS PO FI FI GE	5.0-6.0(e) 0.5-0.7(e) 1.0-2.0(e) 0.75-1.25(e) 0.4(e) 1.0-1.5(e) 5.0	SPGB/SPGB€I ORI Facility RAGB PGB (potential auction) RFGB ORI RFGB OBL 0% 10/28		15-Jun	IT	0.7	C
Wk 23	1-Jun 2-Jun 6-Jun 7-Jun 8-Jun 13-Jun 13-Jun	SP BE AS PO FI FI GE IT	5.0-6.0(e) 0.5-0.7(e) 1.0-2.0(e) 0.75-1.25(e) 0.4(e) 1.0-1.5(e) 5.0 7.0-9.0(e)	SPGB/SPGBEI ORI Facility RAGB PGB (potential auction) RFGB ORI RFGB OBL 0% 10/28 3y BTPS, 7y BTPS, >10y BTPS		15-Jun 15-Jun	IT PO	0.7 0.2	C C
Wk 23	1-Jun 2-Jun 6-Jun 7-Jun 8-Jun 13-Jun 13-Jun 13-Jun 13-Jun	SP BE AS PO FI FI GE IT NE	5.0-6.0(e) 0.5-0.7(e) 1.0-2.0(e) 0.75-1.25(e) 0.4(e) 1.0-1.5(e) 5.0 7.0-9.0(e) 1.5-2.5(e)	SPGB/SPGBEI ORI Facility RAGB PGB (potential auction) RFGB ORI RFGB OBL 0% 10/28 3y BTPS, 7y BTPS, >10y BTPS DSL 07/33		15-Jun 15-Jun 15-Jun	IT PO GR	0.7 0.2 0.1	C C C
Wk 23	1-Jun 2-Jun 6-Jun 7-Jun 8-Jun 13-Jun 13-Jun 13-Jun 13-Jun 14-Jun	SP BE AS PO FI FI GE IT NE GE	5.0-6.0(e) 0.5-0.7(e) 1.0-2.0(e) 0.75-1.25(e) 0.4(e) 1.0-1.5(e) 5.0 7.0-9.0(e) 1.5-2.5(e) 4.0	SPGB/SPGBEI ORI Facility RAGB PGB (potential auction) RFGB ORI RFGB OBL 0% 10/28 3y BTPS, 7y BTPS, >10y BTPS DSL 07/33 DBR 2.3% 2/33		15-Jun 15-Jun 15-Jun	IT PO GR	0.7 0.2 0.1	C C
Wk 23	1-Jun 2-Jun 6-Jun 7-Jun 8-Jun 13-Jun 13-Jun 13-Jun 14-Jun 15-Jun	SP BE AS PO FI GE IT NE GE FI	5.0-6.0(e) 0.5-0.7(e) 1.0-2.0(e) 0.75-1.25(e) 0.4(e) 1.0-1.5(e) 5.0 7.0-9.0(e) 1.5-2.5(e) 4.0 0.4(e)	SPGB/SPGB€I ORI Facility RAGB PGB (potential auction) RFGB ORI RFGB OBL 0% 10/28 3y BTPS, 7y BTPS, >10y BTPS DSL 07/33 DBR 2.3% 2/33 RFGB ORI		15-Jun 15-Jun 15-Jun	IT PO GR	0.7 0.2 0.1	C C
Wk 23	1-Jun 2-Jun 6-Jun 7-Jun 8-Jun 13-Jun 13-Jun 13-Jun 13-Jun 14-Jun	SP BE AS PO FI FI GE IT NE GE FI FR	5.0-6.0(e) 0.5-0.7(e) 1.0-2.0(e) 0.75-1.25(e) 0.4(e) 1.0-1.5(e) 5.0 7.0-9.0(e) 1.5-2.5(e) 4.0 0.4(e) 11.0-12.0(e)	SPGB/SPGB€I ORI Facility RAGB PGB (potential auction) RFGB ORI RFGB OBL 0% 10/28 3y BTPS, 7y BTPS, >10y BTPS DSL 07/33 DBR 2.3% 2/33 RFGB ORI 2-8y OAT/OAT€i		15-Jun 15-Jun 15-Jun	IT PO GR	0.7 0.2 0.1	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	Туре
						20-Jun	AS	0.2	С
						22-Jun	BE	12.8	R
						22-Jun	BE	3.9	C
						22-Jun	IT	0.1	С
Wk 26	27-Jun	ΙΤ	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 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		Organisation for Economic Co-operation and Development
Buba	Bundesbank	ONS	Office for National Statistics
C	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		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		Seasonally Adjusted
EMOT	Economic Mood Tracker	SAFE	Survey on the access to finance of enterprises
EP	European Parliament		Saturday
SP	Spain	Sep	September
ESI	Economic Sentiment Indicator		Survey of Monetary Analysts
ESM	European Stability Mechanism	SNB	Swiss National Bank
EU	European Union	SPF	Survey of Professional Forecasters

Exhibit 12: Common acronyms/abbreviations used in our reportsThis list is subject to change

Acronym/Abbreviation	n Definition	Acronym/Abbreviation	Definition
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
ORI	Optional Reverse Inquiry	C&R	Coupons and redemptions
DV01	Dollar Value of one basis points change		

Source: BofA Global Research

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Research Analysts

European Rates Research

Ralf Preusser, CFA Rates Strategist MLI (UK) ralf.preusser@bofa.com

Sphia Salim Rates Strategist MLI (UK)

sphia.salim@bofa.com

Mark Capleton

Rates Strategist MLI (UK) mark.capleton@bofa.com

Ronald Man Rates Strategist MLI (UK) ronald.man@bofa.com

Erjon SatkoRates Strategist
BofASE (France)
erjon.satko@bofa.com

Agne Stengeryte Rates Strategist MLI (UK) agne.stengeryte@bofa.com

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