

European Rates Supply Preview: Week ahead

Italy likely keeping EGB gross supply high

EGBs: AT, DE, PT + EU syndication & BTP Italia

The volume of gross EGB auctions decreases marginally to €28bn with Austria, Germany, Portugal, Italy & EU in the market. Germany repays €16bn in redemptions.

In the week, Italy launches a 5y BTP Italia and the EU holds a syndication.

On Tuesday, Austria taps the RAGB Feb33 and Mar51 for €1.495bn. Germany taps the DBRi Apr33 for €500m.

On Wednesday, again Germany taps DBR Nov29 for €4bn. Portugal taps the PGB Jul32 and Oct35 for up to €1bn.

Exhibit 3: EGB spread residuals (in bp) according to PCA RV (cheap = positive residual) Rich Spanish front-end

	2y	5 y	7 y	10y	15y	25y
Austria	-1.4	1.8	3.4	1.8	-4.1	-0.9
Netherlands	1.1	1.2	1.8	1.1	-3.0	-0.5
Belgium	1.3	3.4	4.5	3.8	-0.6	-0.3
France	-2.0	1.0	1.3	0.0	-2.1	-0.9
Italy	2.0	0.3	-0.4	-1.6	-0.9	0.3
Spain	-10.5	0.8	0.7	-1.2	2.0	-0.4
Portugal	3.2	-0.8	-1.1	-2.2	1.4	2.3

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 report.

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Bills: France, Germany, Holland, Belgium, Spain, Greece, Italy + EU

On Monday, France offers two 3m, one 6m and one 12m lines for up to €6.2bn. Also on Monday, **Germany** offers the 3m line for €2bn, the 9m line for €3bn and **the** Netherlands offer the 3m and 6m lines for €2bn each. On Tuesday, Belgium offers the 3m line for €800m and €2bn. Also qon Tuesday, Spain offers the 6m and 12m lines (amount offered TBA). On Wednesday, Greece offers the 12m line for €625m. On Friday, **Italy** offers bills (maturity and amount offered TBA).

The **EU** offers the 3m line for up to €1.1bn on Tuesday.

UK: UKT Oct25 and Oct61

In the UK, the DMO taps the UKT Oct25 and UKT Oct61 for £6.5bn.

US: 3y, 10y Notes and 30y Bond

In the US, the Treasury issues the 3y Note and taps the 10y Note, 30y Bond for \$90bn in total.

For a complete list of our open trade ideas and risks, 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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06 March 2023

Rates Research Europe

European Rates Research

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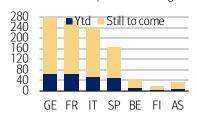
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Exhibit 1: Euro fixed coupon bond issuance, ytd vs. our estimates for the rest of 2023

Year to date versus expected 2023 target



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

24% 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

Small flows of redemptions with a smaller gross supply lead to a positive net supply of €6bn

Date	Settle	Country	Sector	Amount (bn)	Bond	Туре	Date	Country		Amt (bn)		Туре
06-Mar- 10-Mar	TBA	EU	TBA	4.0-6.0	EU	Syndication	10-Mar	GE	-	16.0	BKO 0% 03/23	R
06-Mar- 09-Mar	14-Mar	IT	5y	10.0-15.0	BTP Italia 2.0% 03/28	Syndication						
07-Mar	09-Mar	AS	TBA on 31-Feb	1 405	RAGB 2.90% 02/33	Тар						
07-Mar	09-Mar	AS		1.495	RAGB 0.75% 03/51	Тар						
07-Mar	09-Mar	GE	10y	0.5	DBRi 0.1% 04/33	Тар						
08-Mar	10-Mar	GE	6y	4.0	DBR 2.10% 11/29	Тар						
08-Mar	10-Mar	PO	9y		PGB 1.65% 07/32	Тар						
08-Mar	10-Mar	PO	12y	0.75-1.0	PGB 0.9% 10/35	Тар						
					Total week	€20.8-28.00(e)					Total week	16.0
14-Mar	16-Mar	GE	5y	5.0	OBL 2.20% 04/28	Тар	12-Mar	GR	0-6y	0.2	GGB/GGB FLoat	С
14-Mar	16-Mar	NE	TBA on 08-Mar	2.0-3.0(e)	DSL (cpn and maturity TBA)	Тар	13-Mar	IR	2y	0.6	IRISH 5.4% 03/25	С
14-Mar	16-Mar	IT	3y, 7y,>10y	7.0-9.0(e)	3y BTPS, 7y BTPS, >10y BTPS	TBA on 09-Mar	15-Mar	IT	-	14.9	BTPS 0.95% 03/23	R
15-Mar	17-Mar	GE	30y	1.5	DBR 1.80% 08/53	Тар	15-Mar	IT	0-18y	1.4	BTPS/ITALIA	C
16-Mar	20-Mar	SP	TBA on 10-Mar	5.0-6.0(e)	SPGB	TBA on 10-Mar	15-Mar	AS	3-14y	1.1	RAGB	C
16-Mar	20-Mar	FR	2-8y	10.0-11.0(e)	2-8y OAT/OAT€i	TBA on 10-MAr	18-Mar	IR	2y/8y	0.9	IRISH 3.4% 03/24 and IRISH 1.35% 03/31	C
					Total week	€30.535.5(e)					Total week	€19.1
07-Mar	08-Mar	UK	2y	4.5	UKT 3.5% 10/25	Tap -	07-Mar	UK	0-16y	4.5	UKT	C
08-Mar	09-Mar	UK	38y	2.0	UKT 0.5% 10/61	Тар	-					
					Total week	£6.5					Total week	£4.5
14-Mar	15-Mar	UK	10y	TBA	UKT 3.25% 01/33	Тар	-					
					Total week	TBA					Total week	£0.0
07-Mar	15-Mar	US	3y	40.0	Т	New						
08-Mar	15-Mar	US	10y	32.0	T	Тар						
09-Mar	15-Mar	US	30y	18.0	Т	Тар						
			-		Total week	\$90.0					Total week	\$0.0
							15-Mar	US	-	38.0	T	R
							15-Mat	US	0-2y	1.5	Т	C
					Total week	\$0.0					Total week	\$39.5

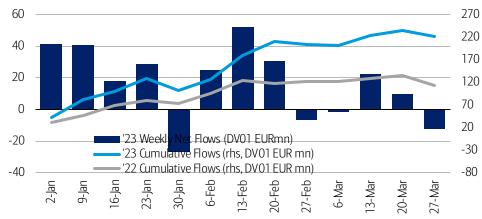
Treasuries, BofA Global Research. (e) = estimate, C= Coupon, R= Redemption

Source: Treasuries, BofA Global Research.

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Exhibit 5: Weekly DV01 of gross issuance net of reinvestment flows (from privates and ECB)

In March, net supply in DV01 terms accelerates further vs 2022 $\,$



Source: ECB, Treasuries, Own calcs

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Exhibit 6: Euro-area bill auction calendar next week (€ bn)

Strong activity in the T-bill market

Auctions	Date	Ctry	Amt €bn	Sector	Maturity
Week 10	06-Mar	FR	2.2-2.6	3m	07-Jun-23
	06-Mar	FR	1.0-1.4	3m	26-Jul-23
	06-Mar	FR	0-0.4	6m	29-Nov-23
	06-Mar	FR	1.4-1.8	12m	21-Feb-24
	06-Mar	GE	2.0	3m	21-Jun-23
	06-Mar	GE	3.0	9m	13-Dec-23
	06-Mar	NE	2.0	3m	30-May-23
	06-Mar	NE	2.0	6m	30-Aug-23
	07-Mar	EU	1.1	3m	08-Jun-23
	07-Mar	BE	0.8	3m	13-Jul-23
	07-Mar	BE	2.0	12m	07-Mar-24
	07-Mar	SP	-	6m	08-Sep-23
	07-Mar	SP	-	12m	08-Mar-24
	08-Mar	GR	0.625	12m	08-Mar-24
	10-Mar	IT			TBA on 07-Mar

Source: Treasuries BofA Global Research

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Exhibit 7: Issuance of EUR denominated fixed coupon bonds YTD versus estimated 2023 target – comparison with % reached at same time in '22 (**) Issuance led by France

	EZ total	AS	BE	FI	FR***	GE	GR*	CY	IR	IT**	NE	PO	SP
Issued week 27 Feb	29.0	-	-	-	12.0	8.5	-		-	-	2.5	-	6.0
Issued YTD, Gross	277.4	8.0	12.5	4.4	64.9	62.2	3.5		3.5	52.0	14.5	4.2	47.7
As% of 2023	24%	24%	28%	24%	25%	21%			50%	22%	29%	21%	29%
Difference vs 22	4%	0%	5%	2%	6%	4%			0%	0%	-3%	-11%	1%
Gross supply left	873.4	25.8	32.5	13.6	199.1	236.8	3.5		3.5	189.0	35.5	15.8	118.3
Redemptions (bn) **	663.9	28.1	21.3	10.8	140.3	164.5			7.0	195.2	17.5	9.7	69.5
Net supply left	209.5	-2.3	11.2	2.8	58.8	72.3	3.5		-3.5	-6.2	18.0	6.1	48.8

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 8: 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	20	166	1155
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	20	173	1265
Change versus 2022	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 9: Forecasted European government bond gross supply in 2023

Supply through the year

	Jan	Feb	Mar (est.)	Apr (est.)	May (est.)	Jun (est.)	Jul (est.)	Aug (est.)	Sep (est.)	Oct (est.)	Nov (est.)	Dec (est.)	2023
Austria	6	2	6	1	6	2	1	1	5	2	1	1	34
Belgium	7	6	3	5	5	5	4	2	5	3	0	0	45
Finland	4	0	1	1	4	1	0	3	1	1	2	0	18
France	27	30	28	25	32	28	31	14	30	25	17	3	290
Germany	28	32	32	25	32	19	25	29	27	25	29	8	310
Greece	4	0	0	1	1	0	1	0	0	1	0	0	7
Ireland	4	0	1	0	1	0	0	0	1	0	0	0	7
Italy	31	31	28	28	25	32	23	12	29	27	31	16	311
Netherlands	6	8	6	3	5	6	3	0	6	3	4	0	50
Portugal	3	1	2	5	2	1	0	0	2	2	2	0	20
Spain	20	17	16	14	14	23	15	7	19	15	8	5	173
Total	139	127	122	108	126	117	102	69	126	103	94	33	1265

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

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Exhibit 10: 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	5	-4	5	2	-7	1	5	-9	1	1	8
Belgium	7	6	0	5	5	-8	4	2	5	-5	0	0	21
Finland	4	0	1	-3	4	1	0	3	-3	1	2	0	9
France	27	16	6	7	-15	28	8	14	30	-21	14	4	118
Germany	26	12	19	-7	13	7	22	10	14	10	30	-6	150
Greece	-2	0	0	1	1	0	1	0	0	1	0	0	0
Ireland	4	0	-6	0	1	0	0	0	1	0	0	0	0
Italy	14	27	-11	17	-13	13	10	-27	0	-6	-3	3	24
Netherlands	-8	9	6	3	6	6	-12	0	6	3	4	0	22
Portugal	3	0	2	4	1	1	0	0	2	-8	2	0	7
Spain	-5	17	15	11	-6	22	-10	7	18	-8	1	4	67
Total	76	87	37	35	3	71	15	10	78	-41	51	6	428

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

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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 Q1 2023 Flows through the quarter

Auctions	Date	Ctry	Amt	Sector(s)		Date	Country	Amount	Type
Syndication									
	Mar	AS	2.0-3.0 e)	15/20y					
	Mar	IT	10.0-15.0(e)	BTP Italia					
Wk 1	4-Jan	GE	5.0	BKO 2.20%12/24	Wk 1	1-Jan	ΙΤ	0.3	С
	5-Jan	FR	9.0-10.0(e)	>8y OAT		4-Jan	GE	4.8	C
Wk 2	10-Jan	AS	1.0-2.0(e)	RAGB					
	10-Jan	NE	2.5-3.5	DSL					
	11-Jan	GE	5.0	DBR 2/33					
	12-Jan	ΙΤ	5.0-7.0(e)	3y BTPS, 7y BTPS, >10y BTPS					
	12-Jan	SP	4.0-5.0(e)	SPGB/SPGB€I					
Wk3	17-Jan	FI	1.0-1.5	RFGB	Wk3	15-Jan	NE	12.5	R
	17-Jan	GE	5.0	OBL 4/28		15-Jan	IT	15.4	R
	18-Jan	GE	1.5	DBR 1.80%8/53		15-Jan	NE	0.8	C

Exhibit 11: Euro-area government bond auctions (incl. fixed coupons, IL, CTZ, CCT), coupons and redemptions (only EUR) for Q1 2023 Flows through the quarter

Auctions	Date	Ctry	Amt	Sector(s)		Date	Country	Amount	Туре
	19-Jan	SP	4.0-5.0(e)	SPGB		18-Jan	CY	0.2	R
	19-Jan	FR	9.0-10.0(e)	2-8y OAT/OAT€i					
Wk 4	24-Jan	NE	2.0-3.0(e)	DSL	Wk 4	26-Jan	AS	0.1	C
	25-Jan	GE	1.5	DBR 1.00%5/38					
	26-Jan	IT	3.0-5.0(e)	BTPShort, BTP€I					
Wk 5					Wk 5	30-Jan	GR	4.4	R
	31-Jan	GE	6.0	BKO 3/25		30-Jan	GR	1.1	C
	31-Jan	ΙΤ	5.0-7.0(e)	5y BTPS, 10y BTPS, CCTeu		31-Jan	SP	4.5	С
		Total Jan	up to €69.5-86(e)				Total Jan	€ 48.0	
Wk 5	1-Feb	GE	5.0	DBR 2/33	Wk 5	1-Feb	IT	4.0	C
	2-Feb	SP	5.0-6.0(e)	SPGB/SPGB€I					
	2-Feb	FR	10.0-11.0(e)	>8y OAT					
	3-Feb	BE	0.5-0.7(e)	ORI Facility					
Wk6	7-Feb	AS	1.0-2.0(e)	RAGB					
	7-Feb	NE	4.0-6.0	DSL 2.50% 07/33					
	8-Feb	GE	4.0	DBR 2.10%11/29					
Wk7	14-Feb	IT	7.0-9.0(e)	3y BTPS, 7y BTPS, >10y BTPS	Wk7	15-Feb	GE	20.5	R
	15-Feb	GE	1.5	DBR 0.00%8/52		15-Feb	GE	1.3	C
	15-Feb	GE	1.0	DBR 1.25% 08/48		15-Feb	GR	0.1	C
	16-Feb	SP	5.0-6.0(e)	SPGB		15-Feb	ΙΤ	0.3	C
	16-Feb	FR	10.0-11.0(e)	2-8y OAT/OAT€i		15-Feb	PO	0.9	C
				,,		18-Feb	IR	0.2	C
Wk8	20-Feb	BE	2.0-3.0(e)	BGB	Wk8	20-Feb	AS	0.4	С
*****	21-Feb	GE	5.0	OBL 4/28	*****	24-Feb	GR	0.1	R
	22-Feb	GE	5.0	DBR 2/33		25-Feb	FR	10.0	R
	22-Feb	ΙΤ	3.0-5.0(e)	BTPShort, BTP€I		25-Feb	FR	0.2	C
	24-Feb	ΙΤ	7.0-9.0(e)	5y BTPS, 10y BTPS, CCTeu		25 . 00		0.2	Č
Wk 9	28-Feb	GE	6.0	BKO 3/25					
	28-Feb	NE	2.0-3.0(e)	DSL					
		Total Feb	up to €83.0-98.2(e)				Total Feb	€ 38.1	
Wk 9	1-Mar	GE	1.5	DBR 1.00%5/38	Wk 9	1-Mar	ΙΤ	15.5	R
	2-Mar	SP	5.0-6.0(e)	SPGB/SPGB€I		1-Mar	IT	7.9	C
	2-Mar	FR	10.0-11.0(e)	>8y OAT					
Wk 10	7-Mar	AS	1.0-2.0(e)	RAGB	Wk 10	10-Mar	GE	16.0	R
Wk 11	14-Mar	GE	5.0	OBL 4/28	Wk 11	12-Mar	GR	0.2	C
	14-Mar	NE	2.0-3.0(e)	DSL		13-Mar	IR	0.6	C
	14-Mar	ΙΤ	7.0-9.0(e)	3y BTPS, 7y BTPS, >10y BTPS		15-Mar	ΙΤ	14.9	R
	15-Mar	GE	1.5	DBR 1.80%8/53		15-Mar	ΙΤ	1.4	C
	16-Mar	SP	5.0-6.0(e)	SPGB		15-Mar	AS	1.1	C
	16-Mar	FR	10.0-11.0(e)	2-8y OAT/OAT€i		18-Mar	IR	0.4	С
Wk 12	20-Mar	BE	2.0-3.0(e)	BGB	Wk 12	20-Mar	IR	7.0	R
	21-Mar	FI	1.0-1.5	RFGB		20-Mar	IR	0.3	C
	22-Mar	GE	5.0	DBR 2/33		20-Mar	GR	0.2	C
						25-Mar	FR	26.3	R
Wk 13	28-Mar	GE	5.5	BKO 3/25	Wk 13	28-Mar	BE	3.8	С
	28-Mar	NE	2.0-3.0(e)	DSL					
	28-Mar	ΙΤ	3.0-5.0(e)	BTPShort, BTP€I					
	30-Mar	ΙΤ	7.0-9.0(e)	5y BTPS, 10y BTPS, CCTeu					
	31-Mar	BE	0.5-0.7(e)	ORI Facility					

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, R a redemption

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

This list is subject to change

Acronym/Abbreviati	ion	Definition	Acronym/Abbreviatio	1	Definition
1H	First Half		IT	Italy	



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

Acronym/Abbreviation		Acronym/Abbreviation	
2H	Second Half	Jan Jan	January
1Q	First Quarter	Jul	July
2Q	Second Quarter	Jun	June
3Q	Third Quarter	lhs	left-hand side
4Q	Fourth Quarter	***	month
ann	annualized	MA	Moving Average
APP	Asset Purchase Programme	Mar	March
Apr	April		Meeting-by-meeting
AS	Austria	mom	month-on-month
Aug	August	Mon	Monday
BdF	Banque de France (Bank of France)		Monetary Policy Committee
BE	Belgium	MWh	Megawatt-hour
BEA	Bureau of Economic Analysis		NextGenerationEU
BLS	Bank Lending Survey	NE	Netherlands
BoE	Bank of England	-	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)		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
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		Survey of Monetary Analysts
ESM	European Stability Mechanism	SNB	Swiss National Bank
EU	European Union	SPF	Survey of Professional Forecasters
f	final print	Sun	Sunday
Feb	February		Support to mitigate Unemployment Risks in an Emergency
Fed	Federal Reserve	S&P	Standard & Poor's
FR	France		Thursday
Fri	Friday		Targeted Longer-term Refinancing Operations
GC	Governing Council		Transmission Protection Instrument
GDP	Gross Domestic Product		Title Transfer Facility
GNI	Gross National Income		Tuesday
GR	Greece		United Kingdom
HICP	Harmonised Index of Consumer Prices	US	United States
HMT	His Majesty's Treasury		Work-day Adjusted
IMF	International Monetary Fund	Wed	Wednesday
INSEE	National Institute of Statistics and Economic Studies	У	year
IP	Industrial Production		year-on-year
IR	Ireland		year-to-date
PCA	Principal Component Analysis	EGB	Eurozone Governmeny Bond

Source: BofA Global Research

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