

European Rates Supply Preview: Week ahead

Low issuance, focused around the 10y

EGBs: Austria, Germany and Italy

Gross EGB auction volume decreases to c.€14.3bn with only Austria, Germany and Italy in the market. There are no significant flows in coupons and redemptions.

On Tuesday, Austria taps the RAGB Oct28 and Feb33 for up to €1.265bn in total.

On Wednesday, Germany taps the DBR Aug33 for €4bn. Gross supply halves this week relative to the one prior and the data calendar is comparatively light. This leaves space for the lower rates momentum to continue next week. Primary market activity marks an unremarkable local high next week (c.€30bn) until the end of the year.

On Friday, Italy offers the 3y, 7y and >10y BTP segments (details TBA on 07 - Nov).

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

	2y	5y	7y	10y	15y	25y
Austria	0.8	1.5	0.5	-0.8	-2.4	1.0
Netherlands	-0.6	1.2	0.4	-0.2	0.7	0.5
Belgium	-6.1	-0.2	0.3	-0.8	-1.4	1.3
France	-1.7	1.4	1.7	0.1	-2.1	0.1
Italy	-2.0	2.3	0.8	-1.9	1.0	-0.4
Spain	3.5	0.0	-1.9	-2.3	0.7	3.0
Portugal	-1.2	2.1	0.6	-1.9	-0.7	0.7

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 report.

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Bills: FR, GE, NE, BE, SP, IT + the EU

On Monday, 1) **France** offers the 3m, two 6m and the 12m lines for up to €6.6bn; 2) **Germany** offers the 3m line for €2bn 3) **the Netherlands** offers the 3m for €1.5bn and the 6m line for €2bn. On Tuesday, 1) **Belgium** offers the 3m line for €1bn; 2) **Spain** offers the 6m and 12m lines (amount TBA). On Wednesday, **the EU** offers the 3m line for €1bn and the 6m line for €1.5bn. On Thursday, Italy offers bills (details TBA).

UK: UKT Jan34 and UKTI Mar51

In the UK, the DMO issues the new UKT Jan34 for £3.75bn and taps the Mar51 for £900mln.

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

In the US, the Treasury issues the new 3y Note for \$48bn, the new 10y Note for \$40bn and the 30y Bond for \$24bn.

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 10.

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Rates Research
Europe

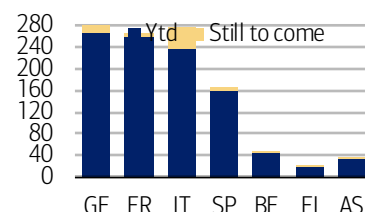
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Exhibit 1: Euro fixed coupon bond issuance, ytd vs. our estimates for the rest of 2023

Year to date versus expected 2023 target

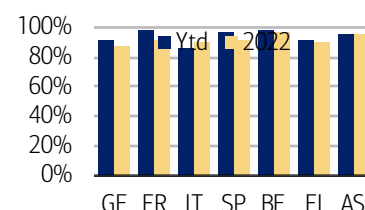


Source: BofA Global Research Note that this is only an indication of issuance evolution in the EUR FIXED COUPON market. It does not incorporate the funding through inflation linked bonds, CTZs and CCTs

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

94% 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

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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

No redemptions and coupons flows with a smaller gross supply leading to a positive net supply of €14.3bn

	Date	Settle	Country	Sector	Amount (bn)	Bond	Type	Date	Country	Amt (bn)	Type		
Europe	07-Nov	09-Nov	AS	5y	1.265	RAGB 0% 10/28	Tap						
	07-Nov	09-Nov	AS	9y		RAGB 2.9% 02/33	Tap						
	08-Nov	10-Nov	GE	10y	4.0	DBR 2.6% 08/33	Tap						
	10-Nov	15-Nov	IT	3y, 7y, >10y	7.0-9.0(e)	3y BTPS, 7y BTPS, >10y BTPS	TBA on 07-Nov						
	Total week						€12.3-14.3(e)	Total week				€0.0	
	13-Nov	17-Nov	EU	TBA	TBA	EU	Syndication	15-Nov	GE	6y	0.6	DBR 2.1% 11/29	C
	14-Nov	16-Nov	NE	TBA	1.5-2.5(e)	DSL	TBA	15-Nov	IT	1-28y	1.0	BTPS	C
	14-Nov	16-Nov	GE	2y	5.0	BKO 3.10% 12/25	Tap						
	15-Nov	17-Nov	GE	29y	1.0	DBR 0% 08/52	Tap						
	15-Nov	17-Nov	GE	TBA	1.0	DBR	Tap						
15-Nov	17-Nov	PO	TBA	0.75-1.25(e)	PGB (potential auction)	TBA							
15-Nov	17-Nov	GR	TBA	0.1-0.3(e)	GGB	TBA							
16-Nov	20-Nov	SP	TBA on 10-Nov	5.5-6.5(e)	SPGB	TBA on 10-Nov							
16-Nov	20-Nov	FR	TBA on 10-Nov	9.5-11.5(e)	2-8y OAT/OAT€	TBA on 10-Nov							
Total week						€24.35-29.05(e)	Total week				€0.0		
UK	07-Nov	08-Nov	UK	10y	3.75	UKT 4.625% 01/34	New						
	08-Nov	09-Nov	UK	27y	0.9	UKTI 0.125% 03/51	Tap						
	Total week						£4.65	Total week				£0.0	
	14-Nov	15-Nov	UK	20y	4.0-5.5(e)	UKT 10/43	Syndication						
Total week						£4.0-5.5(e)	Total week				£0.0		
	07-Nov	15-Nov	US	3y	48.0	T	New						
	08-Nov	15-Nov	US	10y	40.0	T	New						
	09-Nov	15-Nov	US	30y	24.0	T	New						
	Total week						\$112.0	Total week				\$0.0	
								15-Nov	US	-	66.0	T	R
								15-Nov	US	-	68.8	T	R
								15-Nov	US	0-30y	55.0	T	C
Total week						TBA on 01-Nov	Total week				\$189.9		

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 45	06-Nov	FR	2.0-2.4	3m	31-Jan-24
	06-Nov	FR	1.4-1.8	6m	04-Apr-24
	06-Nov	FR	0.3-0.7	6m	17-Apr-24
	06-Nov	FR	1.3-1.7	12m	30-Oct-24
	06-Nov	GE	2.0	3m	15-May-24
	06-Nov	NE	1.5	3m	29-Feb-24
	06-Nov	NE	2.0	6m	29-Apr-24
	07-Nov	BE	1.0	3m	07-Mar-24
	07-Nov	SP	-	6m	10-May-24
	07-Nov	SP	-	12m	08-Nov-24
	08-Nov	EU	1.0	3m	09-Feb-24
	08-Nov	EU	1.5	6m	10-May-24
	09-Nov	IT	-	-	-

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 volume led by France

	EZ total	AS	BE	FI	FR***	GE	GR*	CY	IR	IT**	NE	PO	SP
Issued week 30 Oct	29.2	-	0.5	-	11.0	4.0	-		-	8.3	-	-	5.4
Issued YTD, Gross	1088.4	32.1	44.3	20.0	260.1	264.1	9.8		7.0	236.7	42.1	11.8	160.3
As% of 2023	94%	96%	98%	91%	99%	92%			100%	86%	92%	91%	97%
Difference vs 22	3%	0%	1%	2%	8%	5%			0%	-4%	2%	-9%	5%
Gross supply left	81.0	1.3	0.7	1.9	3.9	23.0	0.3		-	39.3	3.9	1.2	5.7
Redemptions (bn) **	46.0	-	-	-	-	18.0			-	22.5	-	-	5.5
Net supply left	35.0	1.3	0.7	1.9	3.9	5.0	0.3		-	16.8	3.9	1.2	0.2

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. Changes of funding pace is due to EUR FIXED COUPON bonds target revision. Gross supply for Austria is net of private placements.

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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 quarter

2023	Austria	Belgium	Finland	France	Germany	Greece	Ireland	Italy	Netherlands	Portugal	Spain	Totals
EUR fixed coupon bonds (1)	33	45	22	264	287	10	7	276	46	13	166	1169
Change versus 2022	0	1	4	4	65	4	0	59	2	1	21	160
Other Bonds (EUR linkers/floating/zero cpn) (2)	0	0	0	26	5	0	0	61	0	0	7	99
Gross Bond Issuance (3) = (1)+(2)	33	45	22	290	292	10	7	337	46	13	173	1268
Change versus 2022	0	1	4	4	63	2	0	66	2	1	22	164
Total Redemptions* (4)	28	21	11	156	185	5	7	266	30	10	92	811
Net Bond issuance (*inc. Buybacks)	5	24	11	134	107	5	0	71	16	3	81	458
Change versus 2022	-2	8	4	11	46	2	5	30	3	-1	-2	103
Net Bill issuance (6)	6	1	1	3	10	1	0	0	4	4	-5	25
Net Total (5)+(6)	11	25	12	138	117	6	0	71	20	7	76	483

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

Monthly supply through the quarter

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov (est.)	Dec (est.)	2023
Austria	6	2	2	7	2	1	2	1	1	8	1	0	33.4
Belgium	7	6	4	5	4	5	3	4	2	4	1	1	45.0
Finland	4	0	2	5	1	2	0	3	1	2	1	0	21.9
France	27	32	31	24	24	28	26	22	28	28	16	3	290.0
Germany	28	32	27	30	27	23	24	31	22	22	23	5	291.9
Greece	4	0	3	0	0	0	2	0	0	0	0	0	10.0
Ireland	4	0	1	0	0	1	0	0	1	0	0	0	7.0
Italy	31	31	37	39	31	37	27	15	30	39	14	7	337.0
Netherlands	6	8	4	6	2	4	2	0	2	7	4	0	46.0
Portugal	3	5	1	0	0	0	1	0	2	0	1	0	13.0
Spain	25	19	15	14	14	25	14	7	15	14	6	4	173.0
Total	145	134	127	130	105	127	101	83	105	125	67	19	1268

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

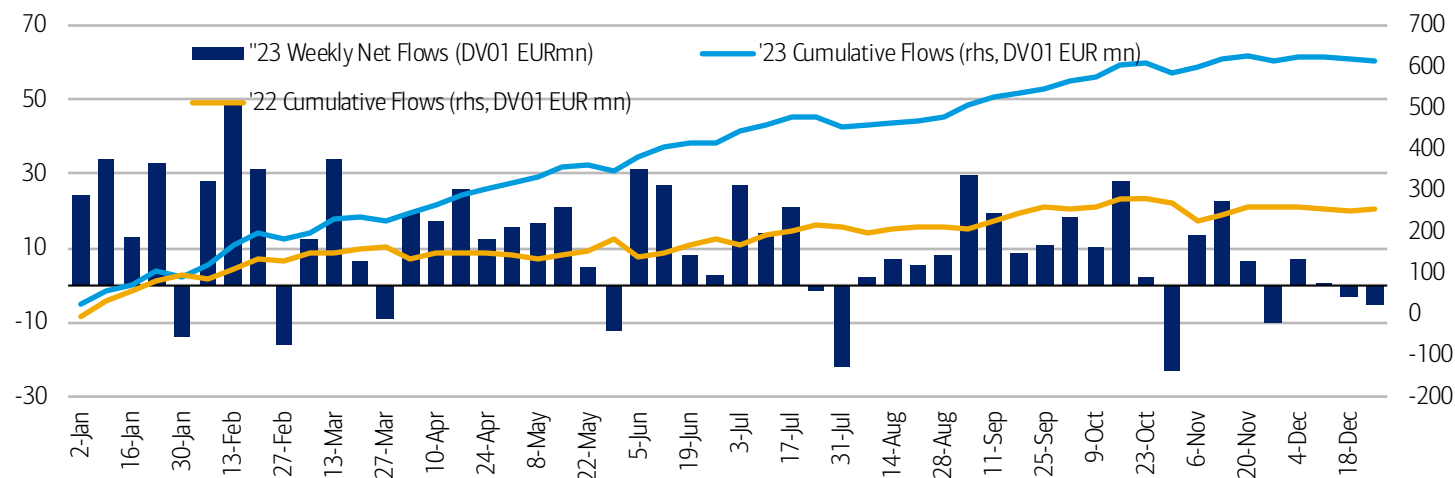
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2023
Austria	6	2	1	1	2	1	-6	1	1	-1	1	0	10
Belgium	7	6	2	5	4	-9	3	4	2	-3	1	1	22
Finland	4	0	2	1	1	2	0	3	-3	2	2	0	14
France	27	19	9	6	-23	28	4	23	28	-15	13	4	123
Germany	26	12	14	2	8	11	22	13	11	9	24	-8	143
Greece	-2	0	2	0	0	0	2	0	0	0	0	0	3
Ireland	4	0	-6	0	0	1	0	0	1	0	0	0	0
Italy	14	27	-1	28	-7	19	15	-22	2	9	-18	-5	60
Netherlands	-8	9	4	7	2	4	-11	0	2	7	4	0	20
Portugal	3	4	1	-1	0	0	1	0	2	-9	1	0	1
Spain	0	18	15	12	-5	25	-8	6	14	-7	0	3	71
Total	81	95	42	60	-18	81	20	29	61	-7	28	-5	468

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 accelerates markedly in September



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 Q4 2023**

Flows through the quarter

Auctions	Date	Ctry	Amt	Sector(s)	Date	Country	Amount	Type	
Syndication									
Wk 40	3-Oct	AS	1.0-2.0(e)	RAGB	Wk 40	1-Oct	IT	16.0	R
	4-Oct	GE	3.0	DBR 2.4% 11/30		1-Oct	IT	1.1	C
	5-Oct	SP	5.5-6.5(e)	SPGB/SPGBEI					
	5-Oct	FR	9.0-10.5	>8y OAT					
Wk 41	10-Oct	GE	0.6-0.7(e)	DBRi	Wk 41	13-Oct	GE	18.5	R
	11-Oct	GE	1.5	DBR 0% 08/52					
	11-Oct	GE	1.0	DBR					
	11-Oct	PO	0.75-1.25(e)	PGB (potential auction)					



Exhibit 11: Euro-area government bond auctions (incl. fixed coupons, IL, CTZ, CCT), coupons and redemptions (only EUR) for Q4 2023

Flows through the quarter

Auctions	Date	Ctry	Amt	Sector(s)		Date	Country	Amount	Type
	12-Oct	IT	7.0-9.0(e)	3y BTPS, 7y BTPS, >10y BTPS					
Wk 42	17-Oct	FI	1.0-1.5	RFGB	Wk 42	15-Oct	IT	16.1	R
	17-Oct	NE	4.0-5.0(e)	New Green 20y DSL		15-Oct	GE	0.7	C
	17-Oct	GE	5.0	BKO 12/25		15-Oct	IT	2.7	C
	18-Oct	GE	4.0	DBR 2.6% 8/33		20-Oct	AS	12.1	R
	18-Oct	GR	0.1-0.3(e)	GGB		20-Oct	AS	0.6	C
	19-Oct	SP	5.5-6.5(e)	SPGB					
Wk 43	23-Oct	BE	2.0-3.0(e)	BGB	Wk 43	22-Oct	BE	8.3	R
	24-Oct	NE	1.5-2.5(e)	DSL		25-Oct	FR	44.9	R
	24-Oct	GE	4.0	OBL 2.4% 10/28		25-Oct	PO	9.4	R
	25-Oct	GE	1.25	DBR 1% 05/2038		25-Oct	FR	8.9	C
	25-Oct	GE	0.75	DBR					
	25-Oct	IT	3.0-5.0(e)	BTPShort, BTP€I					
	25-Oct	PO	0.75-1.25(e)	PGB (potential auction)					
	26-Oct	FI	0.4(e)	RFGB ORI					
Wk 44	31-Oct	GE	1.0(e)	Green DBR	Wk 44	30-Oct	IT	0.5	C
	31-Oct	IT	7.0-9.0(e)	5y BTPS, 10y BTPS, CCTeu		31-Oct	SP	21.1	R
						31-Oct	SP	8.8	C
Total Oct			up to €70.6-85.9(e)			Total Oct			€ 169.7
Wk 44	1-Nov	GE	3.0	DBR 2.4% 11/30	Wk 44	1-Nov	IT	12.0	R
	2-Nov	SP	5.5-6.5(e)	SPGB/SPGB€I		1-Nov	IT	4.8	C
	2-Nov	FR	9.5-11.5(e)	>8y OAT					
	3-Nov	BE	0.5-0.7(e)	ORI Facility					
Wk 45	7-Nov	AS	1.0-2.0(e)	RAGB	Wk 45				
	8-Nov	GE	4.0	DBR 2.6% 8/33					
	10-Nov	IT	7.0-9.0(e)	3y BTPS, 7y BTPS, >10y BTPS					
Wk 46	14-Nov	NE	1.5-2.5(e)	DSL	Wk 46	15-Nov	GE	0.6	C
	14-Nov	GE	5.0	BKO 12/25		15-Nov	IT	1.0	C
	15-Nov	GE	1.0	DBR 0% 08/52					
	15-Nov	GE	1.0	DBR					
	15-Nov	PO	0.75-1.25(e)	PGB (potential auction)					
	15-Nov	GR	0.1-0.3(e)	GGB					
	16-Nov	SP	5.5-6.5(e)	SPGB					
	16-Nov	FR	9.5-11.5(e)	2-8y OAT/OAT€					
Wk 47	21-Nov	GE	3.5	OBL 2.4% 10/28	Wk 47	20-Nov	IT	6.3	R
	21-Nov	FI	1.0-1.5	RFGB		25-Nov	FR	2.7	C
	22-Nov	GE	1.0	DBR 1% 05/38					
	22-Nov	GE	0.5	DBR					
	24-Nov	IT	3.0-5.0(e)	BTPShort, BTP€I					
Wk 48	29-Nov	GE	3.5	DBR 2.6% 8/33	Wk 48	29-Nov	IT	13.1	R
	29-Nov	IT	7.0-9.0(e)	5y BTPS, 10y BTPS, CCTeu		30-Nov	SP	5.5	R
						30-Nov	SP	0.9	C
Total Nov			up to €74.4-89.8(e)			Total Nov			€ 46.9
Wk 48					Wk 48	1-Dec	IT	2.5	C
Wk 49	5-Dec	GE	4.5	BKO 12/25	Wk 49				
	7-Dec	FI	0.4(e)	RFGB ORI					
	7-Dec	FR	9.5-11.5(e)	>8y OAT or/and 2-8y OAT/OAT€					
	7-Dec	SP	5.5-6.5(e)	SPGB/SPGB€I					
Wk 50	12-Dec	AS	1.0-2.0(e)	RAGB	Wk 50	15-Dec	GE	18.0	R
	14-Dec	SP	5.5-6.5(e)	SPGB (potential auctions)		15-Dec	IT	7.7	R
	15-Dec	BE	0.5-0.7(e)	ORI Facility		15-Dec	IT	1.1	C
Wk 51					Wk 51	22-Dec	IT	3.1	R
Wk 52	27-Dec	IT	3.0-5.0(e)	BTPShort	Wk 52				
Total Dec			up to €29.9-37.1(e)			Total Dec			€ 32.4

Source: 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 reports

This list is subject to change

Acronym/Abbreviation	Definition	Acronym/Abbreviation	Definition
1H	First Half	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
BoI	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
c	circa	p	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
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	y	year
IP	Industrial Production	yoy	year-on-year
IR	Ireland	ytd	year-to-date
PCA	Principal Component Analysis	EGB	Eurozone Government 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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