
Monthly Insights

A round-up of our key research insights and forecasts in October 2021

Regional Economics

[UAE: Near term outlook is brighter](#) The UAE economy looks set for faster growth in the final quarter of 2021 after a relatively slow start to the year. The relaxation of travel restrictions in key tourism markets including the UK and Saudi Arabia should support a strong recovery in the travel and hospitality sectors in the UAE over the coming high season, while Expo 2020 is expected to result in a boost to consumption expenditure in the next two quarters.

[UAE-China: A global trade axis](#) The importance of the trade and economic ties between the United Arab Emirates and China cannot be underestimated and has grown significantly since the diplomatic relationship between both countries was established in 1984.

[Improving oil outlook will boost Iraqi economy](#) We anticipate that Iraqi real GDP growth will have remained very weak this year with a forecast of 1.1% following 2020's double-digit contraction, weighed down by OPEC+ oil production curbs and the ongoing Covid-19 pandemic. This will accelerate to 5.3% in 2022 on the back of higher oil production and easing pandemic pressures, but with elevated inflation and ongoing power shortages, the non-oil sector will remain vulnerable.

Global Economics

[High inflation leaves the Fed with few good options](#) How the Federal Reserve responds to the jump in US inflation is the dominant question for financial markets. High commodity prices and reopening complications have contributed to higher headline inflation but may not lead to persistent gains in prices. A preemptive normalization of policy—via interest rates hikes—should help to cool inflation but could come at the cost of longer-term scarring in the labour market well after the initial shock from the Covid-19 pandemic.

[Podcast: Why aren't people going back to work?](#) Khatija Haque and Daniel Richards discuss the latest US jobs data, the frictions in labour markets across several regions, and what they might mean for inflation. Find out more in the latest episode of Market Matters.

[China GDP results hold indications for global trajectory](#) China's Q3 real GDP growth results, which disappointed to the downside, are potentially a foretaste of more disappointing Q3 data to come, especially from those countries that have been pursuing a zero-Covid strategy. When combined with ongoing supply chain issues, and the energy crunch which began to make itself felt during the period, the headwinds to global growth have been mounting.

Markets

[GCC economies announce net zero carbon targets](#) The UAE is committing to a target of 2050 when its economy will produce net-zero emissions while Saudi Arabia and Bahrain have targeted a date of 2060. The three countries stand out as the first among major economies in the Middle East and North Africa to publicly commit to a net-zero target and also as they collectively represent around 13% of total global oil production.

[Energy shortages will keep oil prices high](#) We don't expect the current phase of energy market apparent tightness to dissipate quickly and some of it will bleed into early 2022.

Key Economic Forecasts – Global

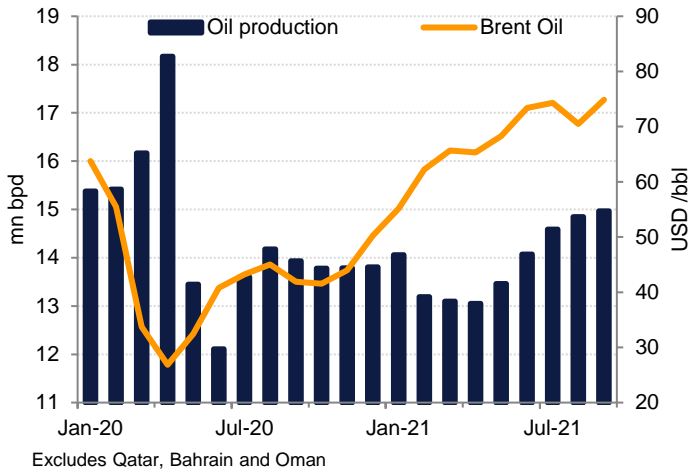
US	2018	2019	2020	2021f	2022f
Real GDP %	3.0	3.2	-3.4	5.7	4.0
Current A/C % GDP	-2.2	-2.2	-2.7	-3.4	-3.3
Budget Balance % GDP	-4.2	-4.7	-15.6	-13.2	-6.5
CPI %	2.5	1.8	1.2	4.3	3.0
Eurozone					
Real GDP %	1.9	1.3	-6.3	5.0	4.3
Current A/C % GDP	2.9	2.3	2.2	2.6	2.5
Budget Balance % GDP	-0.5	-0.6	-7.2	-7.6	-4.0
CPI %	1.8	1.2	0.3	2.3	1.9
UK					
Real GDP %	1.2	1.5	-9.9	6.7	5.0
Current A/C % GDP	-3.7	-3.1	-2.3	-3.2	-3.6
Budget Balance % GDP	-2.1	-2.1	-13.2	-9.5	-4.5
CPI %	2.5	1.8	0.9	2.3	3.2
Japan					
Real GDP %	0.6	0.3	-4.8	2.4	2.5
Current A/C % GDP	3.5	3.7	3.2	3.5	3.5
Budget Balance % GDP	-2.3	-2.6	-10.5	-8.5	-5.5
CPI %	1.0	0.5	0.0	-0.2	0.5
China					
Real GDP %	6.7	6.0	2.3	8.0	5.5
Current A/C % GDP	0.2	1.0	1.5	1.9	1.4
Budget Balance % GDP	-4.1	-4.9	-6.2	-5.0	-4.4
CPI %	2.1	2.9	2.5	1.1	2.2
India*					
Real GDP %	6.8	6.5	4.0	-7.5	9.2
Current A/C % GDP	-1.5	-2.4	-1.0	1.0	-0.9
Budget Balance % GDP	-3.6	-4.4	-4.6	-9.5	-6.8
CPI %	4.0	3.7	6.6	6.3	5.5

Source: Bloomberg, Emirates NBD Research

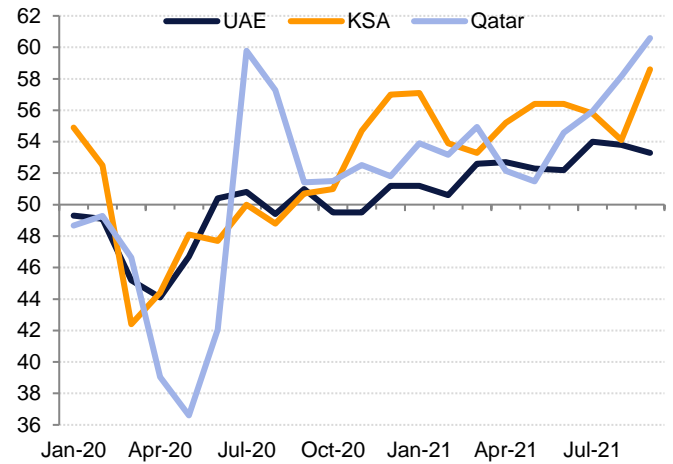
*For India the data refers to fiscal year (April – March)

GCC in Pictures

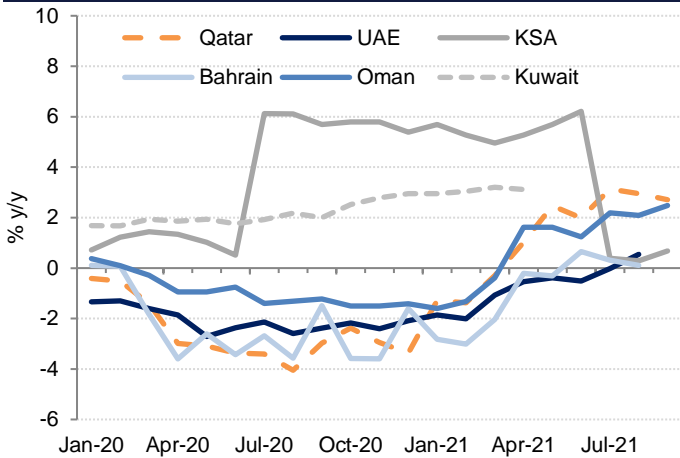
GCC Oil Production and Oil Price



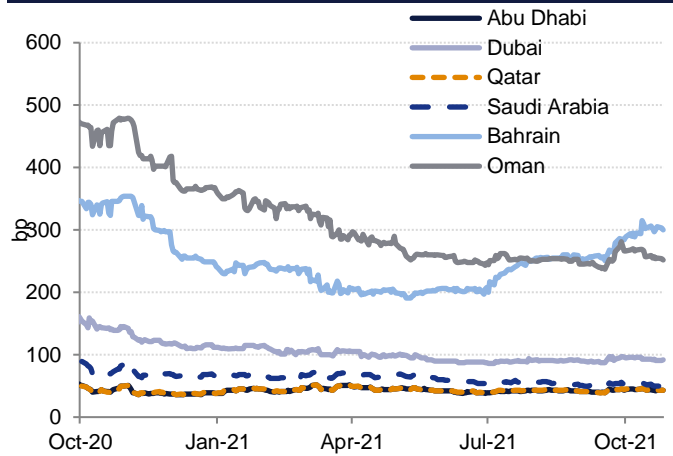
Purchasing Managers' Index



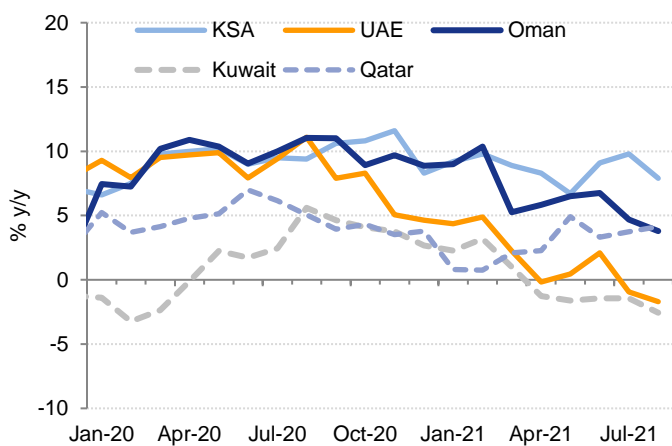
Inflation



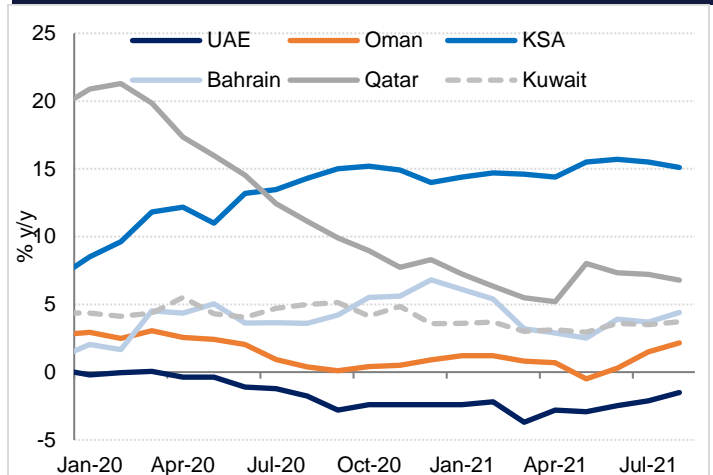
CDS Spreads



Money supply (ex government. deposits)



Private sector credit*



Source: Haver Analytics, Bloomberg, Emirates NBD Research

*Qatar data is commercial bank loan growth to private sector, not total private sector credit.

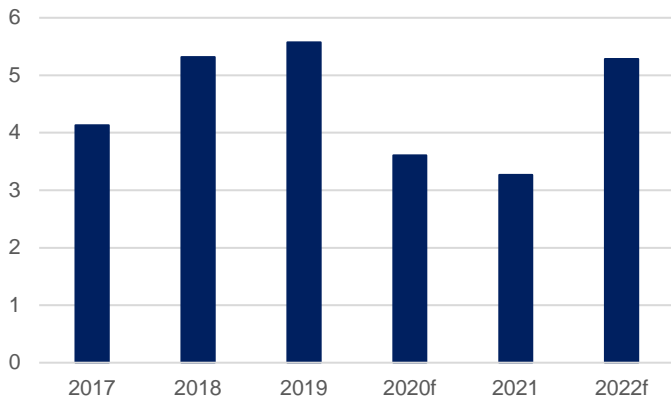
Key Economic Forecasts - GCC

United Arab Emirates	2018	2019	2020	2021f	2022f
Nominal GDP \$bn	422.5	417.5	359.1	412.3	431.4
Real GDP %	1.2	3.4	-6.1	1.9	4.6
Current A/C % GDP	9.6	8.9	5.8	8.1	8.9
Budget Balance % GDP	3.8	2.6	-2.4	1.2	1.5
CPI %	3.1	-1.9	-2.1	0.0	1.5
Saudi Arabia					
Nominal GDP \$bn	786.5	793.0	700.1	834.6	877.0
Real GDP %	2.4	0.3	-4.1	2.5	5.7
Current A/C % GDP	9.2	4.8	-1.6	6.4	6.1
Budget Balance % GDP	-5.9	-4.5	-11.2	-1.1	1.1
CPI %	2.5	-1.2	3.4	3.0	2.0
Qatar					
Nominal GDP \$bn	183.3	175.8	145.9	187.7	196.9
Real GDP %	1.2	0.8	-3.6	2.5	4.5
Current A/C % GDP	9.1	2.4	-2.5	2.8	3.8
Budget Balance % GDP	2.3	1.0	-2.1	7.6	6.8
CPI %	0.1	-0.9	-2.6	1.5	3.5
Kuwait					
Nominal GDP \$bn	138.1	136.2	105.7	132.2	136.2
Real GDP %	-0.6	-0.6	-8.9	1.4	4.6
Current A/C % GDP	14.4	24.5	21.1	26.1	21.5
Budget Balance % GDP	-3.1	-13.6	-33.2	-12.9	-12.5
CPI %	0.6	1.1	2.1	2.0	2.0
Oman					
Nominal GDP \$bn	79.7	76.2	72.8	80.1	82.1
Real GDP %	0.9	-0.8	-2.8	2.4	3.3
Current A/C % GDP	-5.4	-5.6	-11.9	-4.5	-3.1
Budget Balance % GDP	-8.6	-8.9	-15.7	-4.9	-3.8
CPI %	0.9	0.1	-0.9	1.0	1.0
Bahrain					
Nominal GDP \$bn	37.7	38.5	34.5	39.7	41.5
Real GDP %	1.7	2.0	-5.8	3.4	4.1
Current A/C % GDP	-6.5	-2.1	-9.4	-4.1	-3.8
Budget Balance % GDP	-6.3	-4.7	-12.9	-6.6	-4.0
CPI %	2.1	1.0	-2.3	0.0	2.0
GCC (Nominal GDP weighted avg)					
Nominal GDP \$bn	520	525	464	550	572
Real GDP %	1.6	1.1	-4.9	2.3	5.1
Current A/C % GDP	8.6	6.6	1.2	7.2	7.2
Budget Balance % GDP	-2.4	-3.1	-10.0	-0.8	0.3
CPI %	2.4	-0.5	0.9	2.5	2.5

Source: Haver Analytics, National sources, Emirates NBD Research

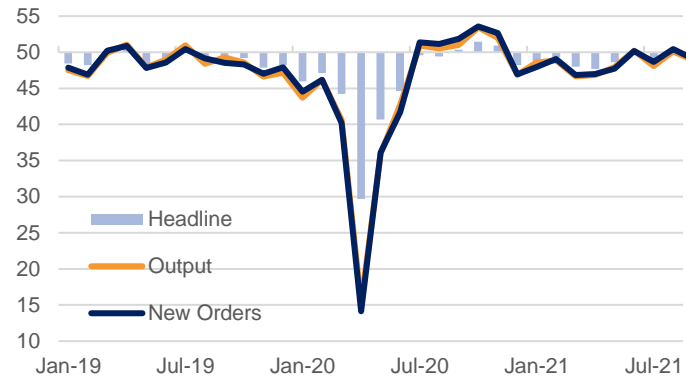
MENA in Pictures

Egypt real GDP growth, % y/y



Source: Haver Analytics, Emirates NBD Research

Egypt PMI survey



Source: IHS Markit, Emirates NBD Research

Turkey CPI inflation, % y/y



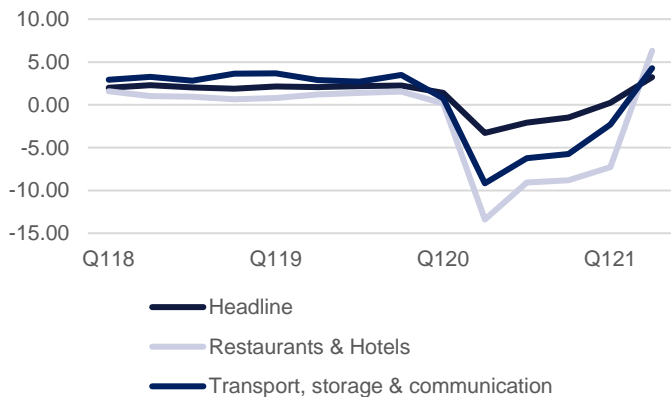
Source: Bloomberg, Emirates NBD Research

USDTRY



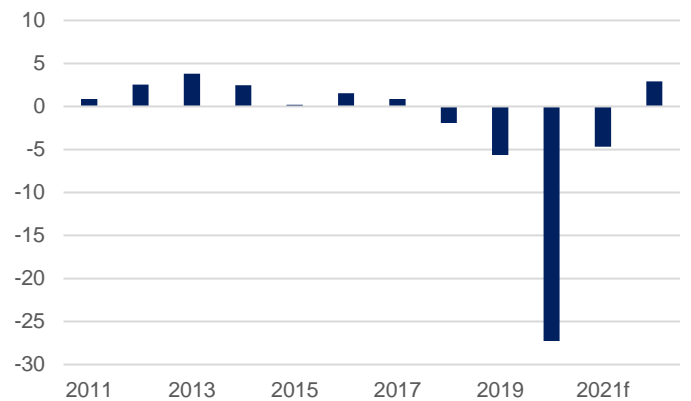
Source: Bloomberg, Emirates NBD Research

Jordan real GDP growth, % y/y



Source: Haver Analytics, Emirates NBD Research

Lebanon real GDP growth, % y/y



Source: Haver Analytics, Emirates NBD Research

Key Economic Forecasts – Non-GCC Oil Importers

Egypt*	2018	2019	2020	2021f	2022f
Nominal GDP \$bn	241.5	291.8	359.0	393.1	430.4
Real GDP %	5.3	5.6	3.6	3.3	5.3
Current A/C % GDP	-2.5	-3.7	-3.2	-4.0	-3.5
Budget Balance % GDP	-9.8	-8.6	-8.0	-9.2	-7.8
CPI %	14.4	9.4	5.1	5.1	6.3
Jordan	2018	2019	2020	2021f	2022f
Nominal GDP \$bn	42.9	44.5	43.7	46.5	49.3
Real GDP %	1.9	2.0	-1.6	2.2	3.2
Current A/C % GDP	-6.9	-2.1	-8.5	-9.4	-7.1
Budget Balance % GDP	-2.6	-3.7	-7.7	-5.8	-5.4
CPI %	4.5	0.3	0.3	1.4	2.1
Lebanon	2018	2019	2020	2021f	2022f
Nominal GDP \$bn	53.1	54.1	42.5	46.5	50.4
Real GDP %	-1.9	-5.6	-27.3	-4.7	2.9
Current A/C % GDP	-25.2	-21.3	-16.9	-12.7	-9.8
Budget Balance % GDP	-11.4	-10.9	-16.1	-12.4	-8.1
CPI %	6.1	10.1	84.3	55.0	22.5
Morocco	2018	2019	2020	2021f	2022f
Nominal GDP \$bn	118.1	119.9	114.8	130.7	136.3
Real GDP %	3.2	2.6	-6.3	5.0	4.3
Current A/C % GDP	-5.3	-3.7	-1.5	-3.5	-3.6
Budget Balance % GDP	-3.7	-4.0	-7.6	-6.3	-5.9
CPI %	1.8	0.3	0.7	1.2	1.7
Tunisia	2018	2019	2020	2021f	2022f
Nominal GDP \$bn	39.9	40.1	36.5	37.0	36.5
Real GDP %	2.7	1.0	-8.8	3.0	3.9
Current A/C % GDP	-11.2	-8.4	-6.9	-5.5	-5.2
Budget Balance % GDP	-4.8	-3.6	-11.0	-8.0	-6.6
CPI %	7.4	6.7	5.6	5.5	5.7
Oil Importers (GDP weighted avg)	2018	2019	2020	2021f	2022f
Nominal GDP \$bn	158.3	192.8	246.6	271.7	299.8
Real GDP %	3.5	3.2	-1.6	3.0	4.7
Current A/C % GDP	-6.7	-5.6	-3.7	-5.1	-4.2
Budget Balance % GDP	-7.5	-7.1	-7.9	-8.1	-7.1
CPI %	9.1	6.5	9.6	10.6	6.6

Source: Haver Analytics, National sources, Emirates NBD Research

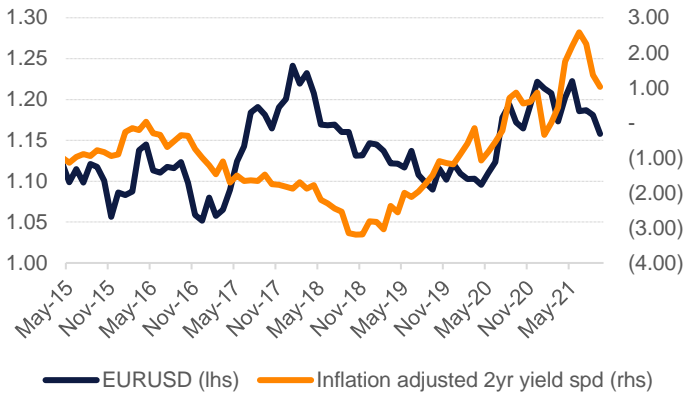
*Egypt data refers to fiscal year (July-June)

Key Economic Forecasts – Non-GCC Oil Exporters

Algeria	2018	2019	2020	2021f	2022f
Nominal GDP \$bn	175.4	171.1	147.2	145.3	150.1
Real GDP %	1.2	0.1	-8.2	3.3	3.2
Current A/C % GDP	-10.4	-8.6	-12.1	-11.5	-6.6
Budget Balance % GDP	-8.6	-9.1	-13.1	-11.5	-9.4
CPI %	3.5	2.3	2.8	5.3	5.1
Iran	2018	2019	2020	2021f	2022f
Nominal GDP \$bn	468.6	585.2	744.2	881.1	1032.8
Real GDP %	-3.5	-1.9	0.2	3.9	5.1
Current A/C % GDP	5.7	0.6	-0.6	0.4	1.0
Budget Balance % GDP	-5.1	-4.6	-6.2	-5.4	-4.3
CPI %	21.0	36.2	35.9	34.4	17.5
Iraq	2018	2019	2020	2021f	2022f
Nominal GDP \$bn	167.2	168.2	235.8	249.2	272.1
Real GDP %	0.9	4.4	-12.5	1.1	5.3
Current A/C % GDP	20.6	9.4	-2.6	7.5	7.8
Budget Balance % GDP	8.2	0.9	-19.3	-6.9	-4.7
CPI %	0.4	-0.2	3.2	6.5	3.0
Libya	2018	2019	2020	2021f	2022f
Nominal GDP \$bn	34.4	36.4	17.3	7.2	8.4
Real GDP %	16.9	7.9	-43.8	22.3	17.0
Current A/C % GDP	-4.6	-6.3	-38.6	-8.5	4.3
Budget Balance % GDP	-15.7	-29.4	-30.7	-22.7	-18.9
CPI %	13.6	-2.2	7.0	5.0	5.5
Oil Exporters (GDP weighted avg)	2018	2019	2020	2021f	2022f
Nominal GDP \$bn	330.5	417.7	546.2	663.1	795.9
Real GDP %	-0.5	0.1	-2.9	2.9	3.9
Current A/C % GDP	4.8	-0.6	-3.0	-0.6	0.2
Budget Balance % GDP	-4.4	-4.9	-8.7	-6.9	-5.7
CPI %	13.6	23.0	24.1	24.4	13.2

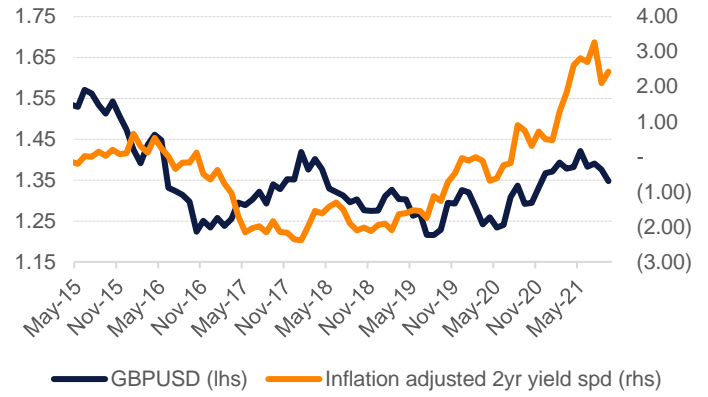
FX-Major Currency Pairs & Real Interest Rates

Interest Rate Differentials-EUR



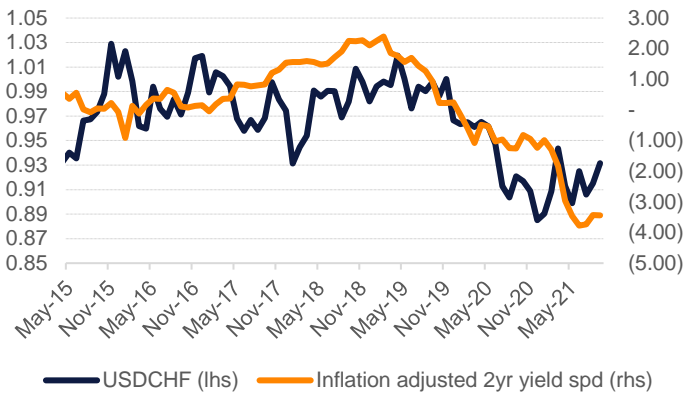
Source: Bloomberg, Emirates NBD Research

Interest Rate Differentials-GBP



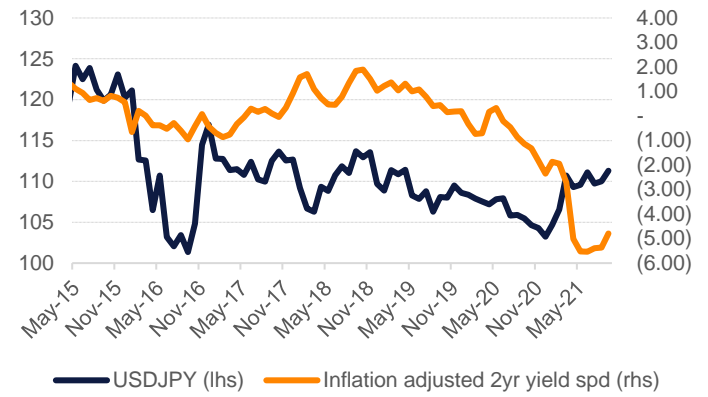
Source: Bloomberg, Emirates NBD Research

Interest Rate Differentials-CHF



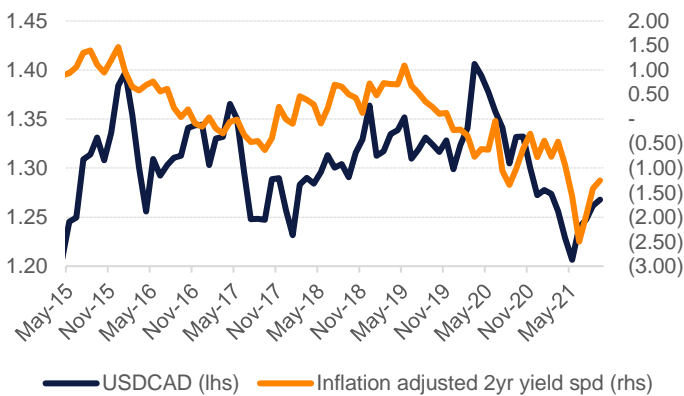
Source: Bloomberg, Emirates NBD Research

Interest Rate Differentials-JPY



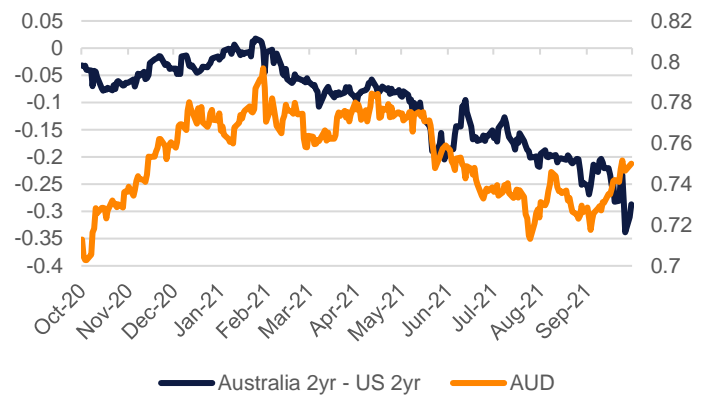
Source: Bloomberg, Emirates NBD Research

Interest Rate Differentials-CAD



Source: Bloomberg, Emirates NBD Research

Interest Rate Differentials-AUD



Source: Bloomberg, Emirates NBD Research

FX Forecasts

FX Forecasts - Major						Forwards		
	27-Oct-21	Dec-21	Mar-22	Jun-22	Sep-22	3m	6m	12m
EUR / USD	1.1593	1.16	1.16	1.15	1.15	1.1600	1.1643	1.1699
USD / JPY	113.74	112.00	112.00	113.00	113.00	113.72	113.49	113.11
USD / CHF	0.9184	0.93	0.93	0.92	0.91	0.9177	0.9136	0.9084
GBP / USD	1.3734	1.39	1.39	1.40	1.42	1.3734	1.3723	1.3683
AUD / USD	0.7500	0.73	0.73	0.75	0.75	0.7501	0.7502	0.7490
NZD / USD	0.7143	0.71	0.71	0.73	0.73	0.7140	0.7115	0.7057
USD / CAD	1.2417	1.25	1.25	1.24	1.24	1.2417	1.2422	1.2451
EUR / GBP	0.8441	0.84	0.83	0.82	0.81	0.8446	0.8484	0.8550
EUR / JPY	131.86	129.92	129.92	129.95	129.95	131.91	132.14	132.33
EUR / CHF	1.0647	1.08	1.08	1.06	1.05	1.0645	1.0637	1.0628

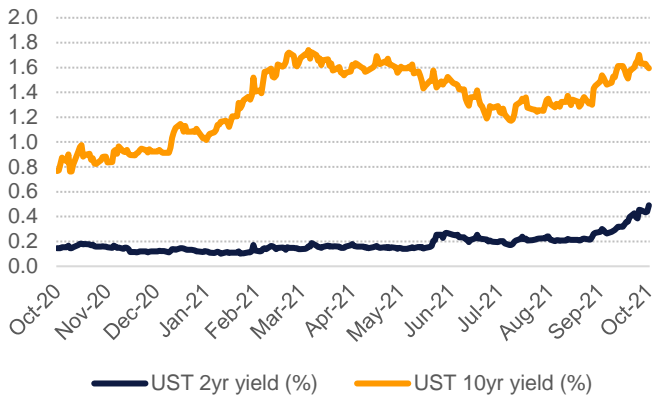
FX Forecasts - Emerging						Forwards		
	27-Oct-21	Dec-21	Mar-22	Jun-22	Sep-22	3m	6m	12m
USD/SAR	3.7510	3.75	3.75	3.75	3.75	3.7525	3.7543	3.7576
USD/AED	3.6729	3.67	3.67	3.67	3.67	3.6732	3.6734	3.6741
USD/KWD	0.3017	0.30	0.30	0.30	0.30	0.3023	0.3029	0.3039
USD/OMR	0.3848	0.39	0.39	0.39	0.39	0.3853	0.3857	0.3867
USD/BHD	0.3770	0.38	0.38	0.38	0.38	0.3776	0.3781	0.3793
USD/QAR	3.6650	3.64	3.64	3.64	3.64	3.6637	3.6656	3.6708
USD/EGP	15.7090	15.70	15.80	15.80	15.80	16.1225	16.5575	17.4700
USD/INR	75.0262	73.75	74.00	74.00	73.75	75.8900	76.8700	78.6900
USD/CNY	6.3941	6.35	6.30	6.30	6.30	6.4444	6.4899	6.5799
USD/SGD	1.3499	1.33	1.32	1.30	1.30	1.3504	1.3507	1.3510

Data as of 27 Oct 2021

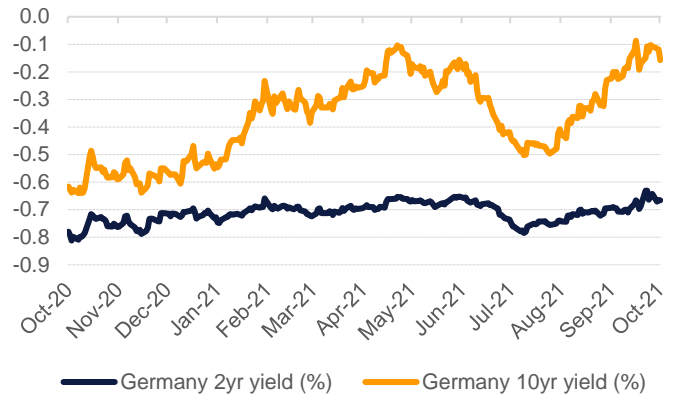
Source: Bloomberg, Emirates NBD Research

Financial markets

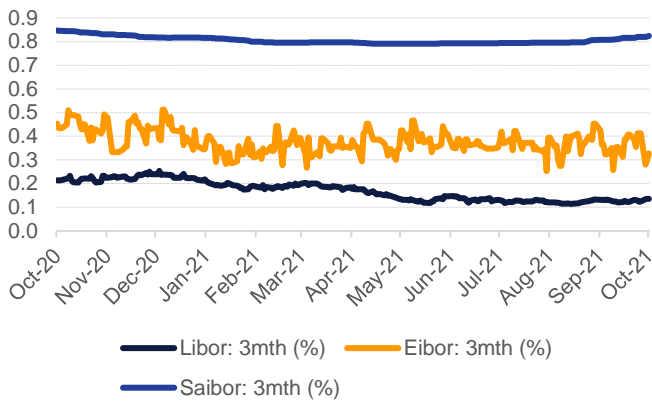
US Treasuries: 1yr



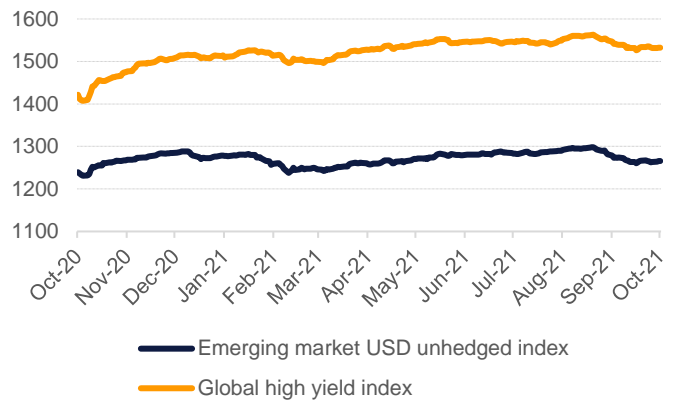
Germany Bunds: 1yr



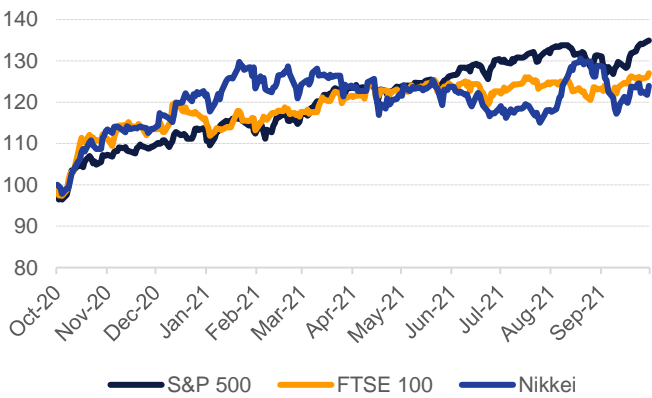
Funding markets



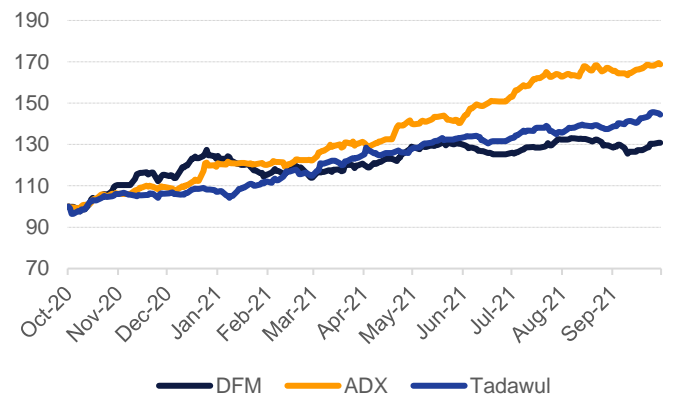
Bond markets



Equities 1yr performance



MENA equities 1yr performance



Source: Bloomberg, Emirates NBD Research. Note: rebased 1yr equity market performance.

Interest Rate Forecasts

Government bonds	27-Oct-21	Dec-21	Mar-22	Jun-22	Sep-22	Dec-22	Mar-23	Jun-23
USD								
2yr yield: %	0.49	0.40	0.45	0.45	0.50	0.55	0.60	0.60
10yr yield: %	1.60	1.65	1.85	2.10	2.25	2.50	2.75	2.75
EUR (bunds)								
2yr yield: %	-0.67	-0.65	-0.55	-0.45	-0.40	-0.30	-0.30	-0.20
10yr yield: %	-0.16	-0.15	0.00	0.00	0.00	0.10	0.20	0.30
GBP								
2yr yield: %	0.61	0.50	0.60	0.60	0.75	0.75	0.80	1.00
10yr yield: %	1.07	1.00	1.10	1.15	1.20	1.20	1.25	1.40
JPY								
2yr yield: %	-0.11	-0.10	-0.05	-0.05	-0.05	0.00	0.00	0.00
10yr yield: %	0.10	0.00	0.00	0.00	0.10	0.10	0.10	0.10

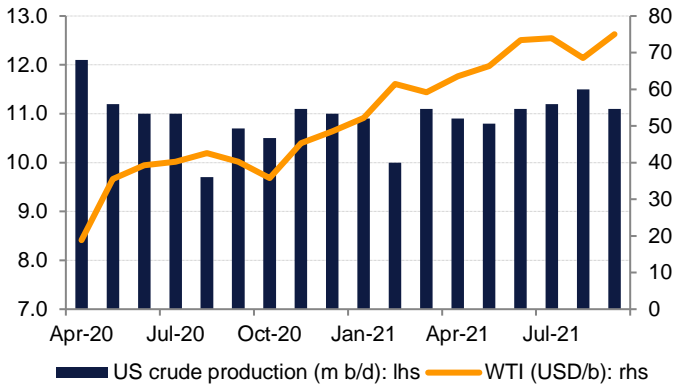
Interbank market	27-Oct-21	Dec-21	Mar-22	Jun-22	Sep-22	Dec-22	Mar-23	Jun-23
USD 3M LIBOR	0.14	0.20	0.25	0.30	0.30	0.40	0.50	0.50
SOFR	0.04	0.05	0.05	0.05	0.05	0.05	0.15	0.15
AED 3M EIBOR	0.33	0.35	0.40	0.45	0.45	0.55	0.65	0.65

Policy rates	27-Oct-21	Dec-21	Mar-22	Jun-22	Sep-22	Dec-22	Mar-23	Jun-23
Fed Funds target rate (upper bound)	0.25	0.25	0.25	0.25	0.25	0.25	0.50	0.50
ECB (Deposit Rate)	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50
BoE (Bank Rate)	0.10	0.10	0.35	0.35	0.60	0.60	0.60	0.60
BoJ (Policy Balance Rate)	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10
SNB (Policy Rate)	-0.75	-0.75	-0.75	-0.75	-0.75	-0.75	-0.75	-0.75
RBA (Cash Target Rate)	0.10	0.10	0.10	0.10	0.10	0.25	0.25	0.25
RBI (Repo Rate)	4.00	4.00	4.00	4.00	4.00	4.00	4.25	4.25
SCB (Reverse Repo)	0.50	0.50	0.50	0.50	0.50	0.50	0.75	0.75
CBUAE (Repo Rate)	0.65	0.65	0.65	0.65	0.65	0.65	0.90	0.90
CBK (O/N Repo Rate)	0.88	0.88	0.88	0.88	0.88	0.88	1.13	1.13
CBB (O/N Deposit Rate)	0.75	0.75	0.75	0.75	0.75	0.75	1.00	1.00
CBO (O/N Repo Rate)	0.50	0.50	0.50	0.50	0.50	0.50	0.75	0.75
CBE (O/N Deposit Rate)	8.25	8.25	8.50	8.50	8.75	8.75	8.75	8.75

Source: Bloomberg, Emirates NBD Research
As of 27 October 2021

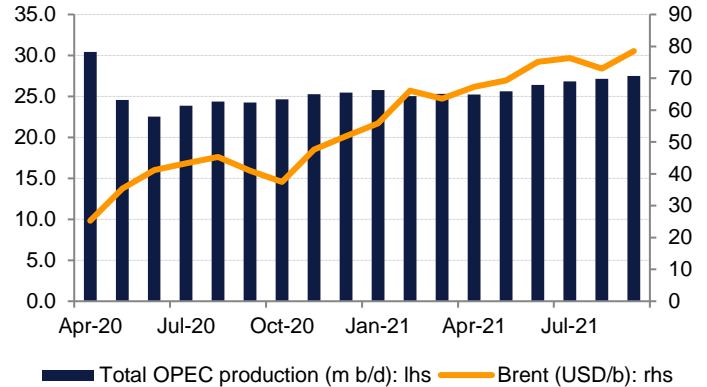
Major Commodities Markets

US oil production and price



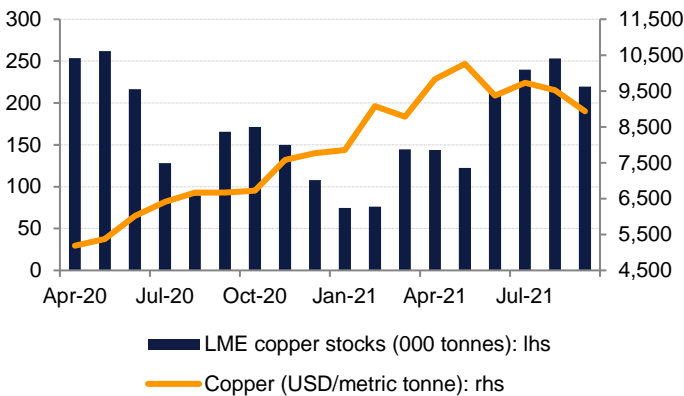
Source: Bloomberg, Emirates NBD Research

International oil production and price



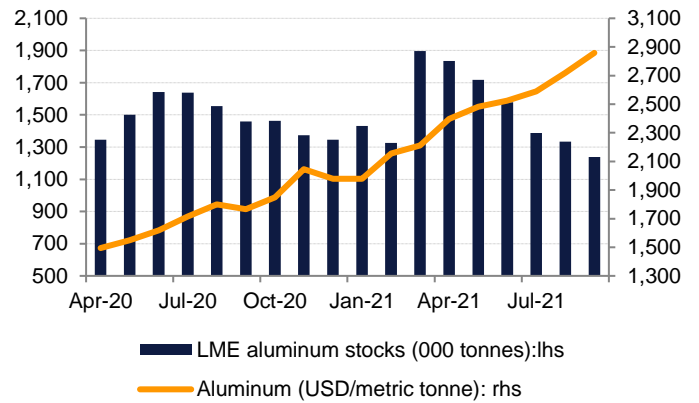
Source: Bloomberg, Emirates NBD Research

Copper stocks and price



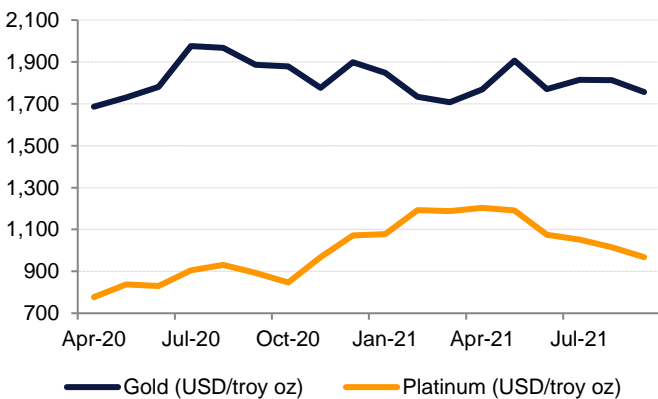
Source: Bloomberg, Emirates NBD Research

Aluminum stocks and price



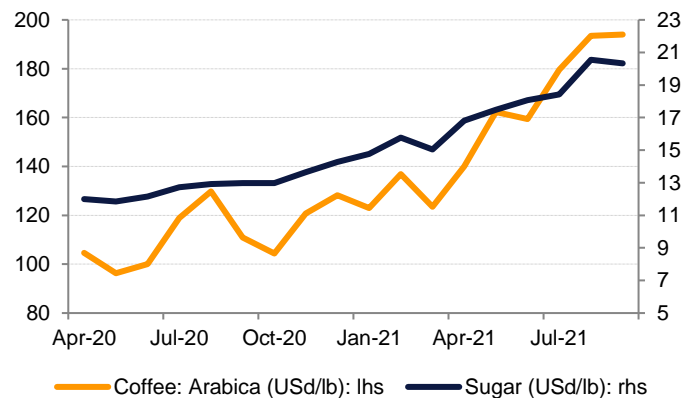
Source: Bloomberg, Emirates NBD Research

Precious metals prices



Source: Bloomberg, Emirates NBD Research

Agriculture prices



Source: Bloomberg, Emirates NBD Research

Commodity Forecasts

Energy Commodity Forecasts

	27-Oct-21	Dec-21	Mar-22	Jun-22	Sep-22	Dec-22	Mar-23	Jun-23
Brent: USD / b	85.50	80.00	75.00	70.00	67.50	60.00	60.00	60.00
WTI: USD / b	83.51	78.00	72.50	70.00	65.00	60.00	58.00	58.00

Precious Metals Forecasts

	27-Oct-21	Dec-21	Mar-22	Jun-22	Sep-22	Dec-22	Mar-23	Jun-23
Gold: USD / troy oz	1,786.55	1,650.00	1,600.00	1,600.00	1,550.00	1,550.00	1,500.00	1,500.00
Silver: USD / troy oz	23.95	20.00	20.00	20.00	18.00	18.00	18.00	18.00
Platinum: USD / troy oz	1,018.19	1,200.00	1,250.00	1,250.00	1,275.00	1,275.00	1,300.00	1,300.00
Palladium: USD /troy oz	1,983.70	2,750.00	2,750.00	2,600.00	2,500.00	2,250.00	2,200.00	2,200.00

Industrial Metals Forecasts

	27-Oct-21	Dec-21	Mar-22	Jun-22	Sep-22	Dec-22	Mar-23	Jun-23
Aluminium: USD / tonne	2,829.00	2,500.00	2,400.00	2,250.00	2,250.00	2,000.00	1,900.00	1,900.00
Copper: USD / tonne	9,788.50	9,500.00	9,750.00	9,750.00	10,000.00	10,000.00	9,000.00	9,000.00
Lead: USD / tonne	2,422.50	2,118.76	2,146.63	2,146.63	2,174.16	2,174.16	2,174.16	2,174.16
Nickel: USD / tonne	20,091.00	18,500.00	18,500.00	18,000.00	18,000.00	18,000.00	18,000.00	18,000.00
Tin: USD / tonne	37,422.00	30,000.00	28,000.00	27,500.00	27,500.00	25,000.00	20,000.00	20,000.00
Zinc: USD / tonne	3,425.00	2,870.50	2,946.03	2,946.03	3,021.57	3,021.57	3,021.57	3,021.57

Prices as of 27 Oct 2021. Note: prices are average of time period unless indicated otherwise.

Source: Bloomberg, Emirates NBD Research

Disclaimer

PLEASE READ THE FOLLOWING TERMS AND CONDITIONS OF ACCESS FOR THE PUBLICATION BEFORE THE USE THEREOF. By continuing to access and use the publication, you signify you accept these terms and conditions. Emirates NBD reserves the right to amend, remove, or add to the publication and Disclaimer at any time. Such modifications shall be effective immediately. Accordingly, please continue to review this Disclaimer whenever accessing, or using the publication. Your access of, and use of the publication, after modifications to the Disclaimer will constitute your acceptance of the terms and conditions of use of the publication, as modified. If, at any time, you do not wish to accept the content of this Disclaimer, you may not access, or use the publication. Any terms and conditions proposed by you which are in addition to or which conflict with this Disclaimer are expressly rejected by Emirates NBD and shall be of no force or effect. Information contained herein is believed by Emirates NBD to be accurate and true but Emirates NBD expresses no representation or warranty of such accuracy and accepts no responsibility whatsoever for any loss or damage caused by any act or omission taken as a result of the information contained in the publication. The publication is provided for informational uses only and is not intended for trading purposes. Charts, graphs and related data/information provided herein are intended to serve for illustrative purposes. The data/information contained in the publication is not designed to initiate or conclude any transaction. In addition, the data/information contained in the publication is prepared as of a particular date and time and will not reflect subsequent changes in the market or changes in any other factors relevant to their determination. The publication may include data/information taken from stock exchanges and other sources from around the world and Emirates NBD does not guarantee the sequence, accuracy, completeness, or timeliness of information contained in the publication provided thereto by or obtained from unaffiliated third parties. Moreover, the provision of certain data/information in the publication may be subject to the terms and conditions of other agreements to which Emirates NBD is a party.

None of the content in the publication constitutes a solicitation, offer or recommendation by Emirates NBD to buy or sell any security, or represents the provision by Emirates NBD of investment advice or services regarding the profitability or suitability of any security or investment. Moreover, the content of the publication should not be considered legal, tax, accounting advice. The publication is not intended for use by, or distribution to, any person or entity in any jurisdiction or country where such use or distribution would be contrary to law or regulation. Accordingly, anything to the contrary herein set forth notwithstanding, Emirates NBD, its suppliers, agents, directors, officers, employees, representatives, successors, assigns, affiliates or subsidiaries shall not, directly or indirectly, be liable, in any way, to you or any other person for any: (a) inaccuracies or errors in or omissions from the publication including, but not limited to, quotes and financial data; (b) loss or damage arising from the use of the publication, including, but not limited to any investment decision occasioned thereby. (c) UNDER NO CIRCUMSTANCES, INCLUDING BUT NOT LIMITED TO NEGLIGENCE, SHALL EMIRATES NBD, ITS SUPPLIERS, AGENTS, DIRECTORS, OFFICERS, EMPLOYEES, REPRESENTATIVES, SUCCESSORS, ASSIGNS, AFFILIATES OR SUBSIDIARIES BE LIABLE TO YOU FOR DIRECT, INDIRECT, INCIDENTAL, CONSEQUENTIAL, SPECIAL, PUNITIVE, OR EXEMPLARY DAMAGES EVEN IF EMIRATES NBD HAS BEEN ADVISED SPECIFICALLY OF THE POSSIBILITY OF SUCH DAMAGES, ARISING FROM THE USE OF THE PUBLICATION, INCLUDING BUT NOT LIMITED TO, LOSS OF REVENUE, OPPORTUNITY, OR ANTICIPATED PROFITS OR LOST BUSINESS. The information contained in the publication does not purport to contain all matters relevant to any particular investment or financial instrument and all statements as to future matters are not guaranteed to be accurate. Anyone proposing to rely on or use the information contained in the publication should independently verify and check the accuracy, completeness, reliability and suitability of the information and should obtain independent and specific advice from appropriate professionals or experts regarding information contained in the publication. Further, references to any financial instrument or investment product is not intended to imply that an actual trading market exists for such instrument or product. In publishing this document Emirates NBD is not acting in the capacity of a fiduciary or financial advisor.

Emirates NBD and its group entities (together and separately, "Emirates NBD") does and may at any time solicit or provide commercial banking, investment banking, credit, advisory or other services to the companies covered in its reports. As a result, recipients of this report should be aware that any or all of the foregoing services may at times give rise to a conflict of interest that could affect the objectivity of this report. The securities covered by this report may not be suitable for all types of investors. The report does not take into account the investment objectives, financial situations and specific needs of recipients.

Data included in the publication may rely on models that do not reflect or take into account all potentially significant factors such as market risk, liquidity risk and credit risk. Emirates NBD may use different models, make valuation adjustments, or use different methodologies when determining prices at which Emirates NBD is willing to trade financial instruments and/or when valuing its own inventory positions for its books and records. In receiving the publication, you acknowledge and agree that there are risks associated with investment activities. Moreover, you acknowledge in receiving the publication that the responsibility to obtain and carefully read and understand the content of documents relating to any investment activity described in the publication and to seek separate, independent financial advice if required to assess whether a particular investment activity described herein is suitable, lies exclusively with you. You acknowledge and agree that past investment performance is not indicative of the future performance results of any investment and that the information contained herein is not to be used as an indication for the future performance of any investment activity. You acknowledge that the publication has been developed, compiled, prepared, revised, selected, and arranged by Emirates NBD and others (including certain other information sources) through the application of methods and standards of judgment developed and applied through the expenditure of substantial time, effort, and money and constitutes valuable intellectual property of Emirates NBD and such others. All present and future rights in and to trade secrets, patents, copyrights, trademarks, service marks, know-how, and other proprietary rights of any type under the laws of any governmental authority, domestic or foreign, shall, as between you and Emirates NBD, at all times be and remain the sole and exclusive property of Emirates NBD and/or other lawful parties. Except as specifically permitted in writing, you acknowledge and agree that you may not copy or make any use of the content of the publication or any portion thereof. Except as specifically permitted in writing, you shall not use the intellectual property rights connected with the publication, or the names of any individual participant in, or contributor to, the content of the publication, or any variations or derivatives thereof, for any purpose.

YOU AGREE TO USE THE PUBLICATION SOLELY FOR YOUR OWN NONCOMMERCIAL USE AND BENEFIT, AND NOT FOR RESALE OR OTHER TRANSFER OR DISPOSITION TO, OR USE BY OR FOR THE BENEFIT OF, ANY OTHER PERSON OR ENTITY. YOU AGREE NOT TO USE, TRANSFER, DISTRIBUTE, OR DISPOSE OF ANY DATA/INFORMATION CONTAINED IN THE PUBLICATION IN ANY MANNER THAT COULD COMPETE WITH THE BUSINESS INTERESTS OF EMIRATES NBD. YOU MAY NOT COPY, REPRODUCE, PUBLISH, DISPLAY, MODIFY, OR CREATE DERIVATIVE WORKS FROM ANY DATA/INFORMATION CONTAINED IN THE PUBLICATION. YOU MAY NOT OFFER ANY PART OF THE PUBLICATION FOR SALE OR DISTRIBUTE IT OVER ANY MEDIUM WITHOUT THE PRIOR WRITTEN CONSENT OF EMIRATES NBD. THE DATA/INFORMATION CONTAINED IN THE PUBLICATION MAY NOT BE USED TO CONSTRUCT A DATABASE OF ANY KIND. YOU MAY NOT USE THE DATA/INFORMATION IN THE PUBLICATION IN ANY WAY TO IMPROVE THE QUALITY OF ANY DATA SOLD OR CONTRIBUTED TO BY YOU TO ANY THIRD PARTY. FURTHERMORE, YOU MAY NOT USE ANY OF THE TRADEMARKS, TRADE NAMES, SERVICE MARKS, COPYRIGHTS, OR LOGOS OF EMIRATES NBD OR ITS SUBSIDIARIES IN ANY MANNER WHICH CREATES THE IMPRESSION THAT SUCH ITEMS BELONG TO OR ARE ASSOCIATED WITH YOU OR, EXCEPT AS OTHERWISE PROVIDED WITH EMIRATES NBD'S PRIOR WRITTEN CONSENT, AND YOU ACKNOWLEDGE THAT YOU HAVE NO OWNERSHIP RIGHTS IN AND TO ANY OF SUCH ITEMS. MOREOVER YOU AGREE THAT YOUR USE OF THE PUBLICATION IS AT YOUR SOLE RISK AND ACKNOWLEDGE THAT THE PUBLICATION AND ANYTHING CONTAINED HEREIN, IS PROVIDED "AS IS" AND "AS AVAILABLE," AND THAT EMIRATES NBD MAKES NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, AS TO THE PUBLICATION, INCLUDING, BUT NOT LIMITED TO, MERCHANTABILITY, NON-INFRINGEMENT, TITLE, OR FITNESS FOR A PARTICULAR PURPOSE OR USE. You agree, at your own expense, to indemnify, defend and hold harmless Emirates NBD, its Suppliers, agents, directors, officers, employees, representatives, successors, and assigns from and against any and all claims, damages, liabilities, costs, and expenses, including reasonable attorneys' and experts' fees, arising out of or in connection with the publication, including, but not limited to: (i) your use of the data contained in the publication or someone using such data on your behalf; (ii) any deletions, additions, insertions or alterations to, or any unauthorized use of, the data contained in the publication or (iii) any misrepresentation or breach of an acknowledgement or agreement made as a result of your receiving the publication.

Emirates NBD Research & Treasury Contact List

Emirates NBD Head Office
12th Floor
Baniyas Road, Deira
P.O.Box 777
Dubai

Aazar Ali Khwaja
Senior Executive Vice President
Global Markets & Treasury
+971 4 609 3000
aazark@emiratesnbd.com

Khatija Haque
Head of Research &
Chief Economist
+9714 230 7803
khatijah@emiratesnbd.com

Research

Edward Bell
Senior Director, Market Economics
+9714 230 7701
edwardpb@emiratesnbd.com

Shady Shaher Elborno
Head of Macro Strategy
+9714 609 3015
shadyb@emiratesnbd.com

Daniel Richards
MENA Economist
+9714 609 3032
danielricha@emiratesnbd.com

Jamal Mattar
Research Analyst
+9714 444 3607
jamaly@emiratesnbd.com

Sales & Structuring

Group Head – Treasury Sales
Tariq Chaudhary
+971 4 230 7777
tariqmc@emiratesnbd.com

Saudi Arabia Sales
Abdulazeez Adm AlSomali
+966 11 282 5623
abdulazeezso@emiratesnbd.com

Singapore Sales
Shivakumar Srinivasan
+65 6578 5620
shivakumars@emiratesnbd.com

London Sales
Carlo de Vos
+44 (0) 207 838 2279
devosc@emiratesnbd.com

Egypt Sales
Ahmad Okasha
+202 2726 5934
aokasha@emiratesnbd.com

India Sales
Ashish Pahuja
+91 22 6813 6202
ashishpa@emiratesnbd.com

Emirates NBD Capital

Hitesh Asarpota
Head of Debt Capital Markets.
+971 50 4529515
asarpotah@emiratesnbd.com

Investor Relations

Patrick Clerkin
+9714 230 7805
patricke@emiratesnbd.com

Group Corporate Affairs

Ibrahim Sowaidan
+9714 609 4113
ibrahims@emiratesnbd.com

Claire Andrea
+9714 609 4143
clairea@emiratesnbd.com
