

Monthly Insights

A round-up of our recent publications and forecasts in April 2022

Global economics

<u>UK: Cost of living crisis starts to bite:</u> The IMF recently made significant downgrades to its headline macroeconomic forecasts, citing the deleterious effects on growth of the mounting cost-of-living crisis. With the war in Ukraine showing no signs of de-escalation, and China still following a zero-Covid policy, upward inflationary pressures will remain to the fore.

Regional Economics

GCC: A good start to the year The hydrocarbons sectors have benefitted from increased oil production so far this year, with crude oil production up 12% y/y in Q1 for the UAE and 19% for Saudi Arabia. Survey data for the first quarter point to a solid expansion in non-oil sectors as well, with strong growth in business activity and new work in the UAE, Saudi Arabia and Qatar.

<u>Regional PMIs mixed in March:</u> Regional PMIs showed mixed results in March. The UAE's was unchanged, while Saudi Arabia's rose and Egypt's declined. Price pressures were prevalent across all three countries, however.

North Africa: Food inflation heading higher North African economies are particularly exposed to the upwards drive in global food prices precipitated by the conflict in Eastern Europe, which will further exacerbate the already extant effects of regional droughts on food supply.

Podcast: Food inflation in MENA The conflict in Ukraine has resulted in higher food prices globally as Ukrainian agricultural exports have been disrupted. Countries in the MENA region are especially vulnerable due their high share of food imports from the Black Sea region. Khatija Haque, Edward Bell and Daniel Richards discuss the food inflation dynamics in the region, the hard choices facing governments and the outlook for food prices over the next 12 months.

Markets

<u>Fed to hike by 50bps in May:</u> The Federal Reserve will start to normalize policy on an aggressive path to tackle the challenge posed by inflation.

<u>Carbon markets in development in the GCC:</u> Carbon markets are in the early stages of development across the major GCC economies of the UAE and Saudi Arabia.

Regional food security at risk from conflict in Ukraine: The Middle East and North Africa region is particularly exposed to the war via higher agricultural commodity costs given the relative shortage of arable land in MENA and its dependency on the flows of commodities from both Russia and Ukraine.

Oil risks remain on the upside: Oil prices have moved their attention away from the threat to supply caused by Russia's war in Ukraine to considerable downside demand risks in China as the country grapples with comparatively serious Covid-19 outbreaks. That being said, at the same time the war in Ukraine has shown no sign of easing and supply risks still remain acute.



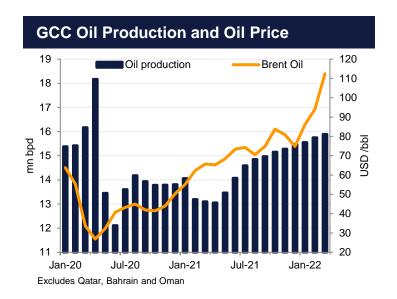
Key Economic Forecasts – Global

US	2019	2020	2021	2022f	2023f
Real GDP %	3.2	-3.4	5.7	2.8	2.1
Current A/C % GDP	-2.2	-3.0	-3.5	-3.7	-3.5
Budget Balance % GDP	-4.7	-15.6	-10.8	-5.3	-4.3
CPI %	1.8	1.2	4.7	6.9	3.0
Eurozone					
Real GDP %	1.6	-6.4	5.4	2.8	2.4
Current A/C % GDP	2.3	2.0	2.6	2.3	2.3
Budget Balance % GDP	-0.6	-7.1	-5.1	-4.2	-2.9
CPI %	1.2	0.3	2.6	6.5	2.4
UK					
Real GDP %	1.7	-9.3	7.2	3.8	1.6
Current A/C% GDP	-2.7	-2.3	-3.4	-3.5	-3.5
Budget Balance % GDP	-2.1	-12.5	-7.6	-4.0	-2.6
CPI %	1.8	0.9	2.6	7.1	3.3
Japan					
Real GDP %	0.0	-4.6	1.8	2.1	1.8
Current A/C % GDP	3.4	3.2	2.8	2.0	2.2
Budget Balance % GDP	-2.9	-9.5	-6.4	-6.5	-4.5
CPI %	0.5	0.0	-0.3	1.	0.9
China					
Real GDP %	6.0	2.2	8.1	5.0	5.2
Current A/C % GDP	0.7	1.5	2.1	1.4	1.1
Budget Balance %GDP	-4.9	-6.2	-3.8	-4.7	-4.5
CPI%	2.9	2.5	0.9	2.2	2.3
India*					
Real GDP%	6.5	3.7	-6.6	8.8	7.5
Current A/C% GDP	-1.0	1.3	-1.1	-1.6	-2.6
Budget Balance % GDP	-4.4	-4.6	-9.5	-6.9	-6.4
CPI %	3.7	6.6	5.1	5.4	5.6

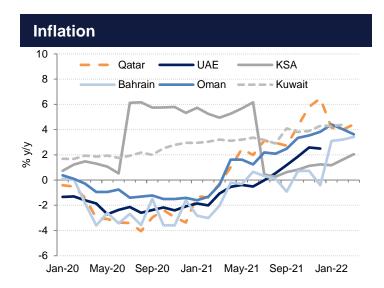
^{*}For India the data refers to fiscal year (April – March)

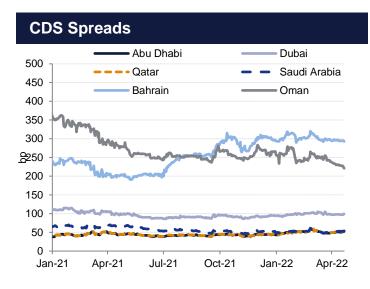


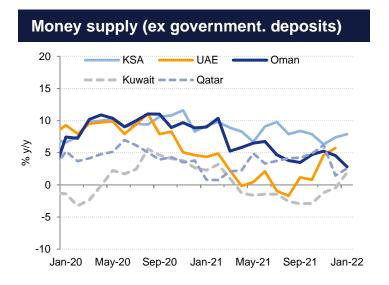
GCC in Pictures

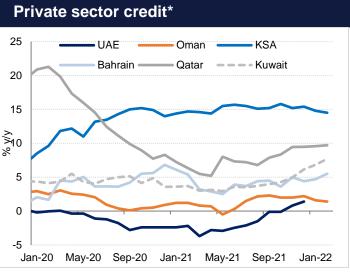












Source: Haver Analytics, Bloomberg, Emirates NBD Research

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



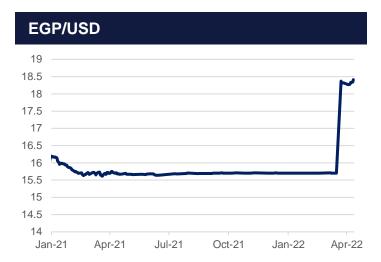
Key Economic Forecasts - GCC

United Arab Emirates	2019	2020	2021e	2022f	2023f
Nominal GDP \$bn	417.5	359.1	415.1	511.7	530.1
Real GDP %	3.4	-6.1	3.8	5.7	5.8
Current A/C % GDP	8.9	5.8	7.9	14.7	14.3
Budget Balance % GDP	2.6	-2.4	4.5	8.3	5.0
CPI %	-1.9	-2.1	0.2	4.3	2.5
Saudi Arabia					
Nominal GDP \$bn	803.6	703.4	833.5	1081.8	1088.4
Real GDP %	0.3	-4.1	3.2	7.7	3.5
Current A/C % GDP	4.8	-3.1	5.8	16.8	12.5
Budget Balance % GDP	-4.4	-11.1	-2.3	10.4	7.5
CPI %	-1.2	3.4	3.1	3.0	2.5
Qatar					
Nominal GDP \$bn	175.8	144.4	186.1	241.9	239.1
Real GDP %	0.8	-3.6	2.5	5.1	2.8
Current A/C % GDP	2.4	-2.5	2.8	7.6	6.9
Budget Balance % GDP	1.0	-2.1	3.2	15.8	12.7
CPI %	-0.9	-2.6	2.3	3.5	2.0
Kuwait					
Nominal GDP \$bn	136.2	105.7	134.4	184.6	182.6
Real GDP %	-0.6	-8.9	1.4	6.7	4.1
Current A/C% GDP	24.5	21.1	25.4	38.2	33.1
Budget Balance % GDP	-13.6	-33.2	-5.7	10.1	4.7
CPI %	1.1	2.1	3.4	3.5	2.5
Oman					
Nominal GDP \$bn	76.2	73.9	79.9	102.1	101.1
Real GDP %	-0.8	-2.8	2.2	4.5	3.5
Current A/C % GDP	-5.6	-11.7	-2.7	13.6	10.3
Budget Balance % GDP	-8.9	-15.5	-4.0	7.5	7.6
CPI %	0.1	-0.9	1.6	2.5	2.0
Bahrain					
Nominal GDP \$bn	38.7	34.7	38.9	46.1	47.6
Real GDP %	2.0	-4.4	2.2	3.4	3.7
Current A/C % GDP	-2.1	-9.3	6.7	9.1	8.0
Budget Balance % GDP	-4.7	-12.9	-6.6	3.6	3.2
CPI %	1.0	-2.3	-0.6	3.0	2.0
GCC (Nominal GDP weighted avg)					
Nominal GDP \$bn	532	466	550	709	717
Real GDP %	1.1	-4.9	3.1	6.6	4.0
Current A/C % GDP	6.6	0.4	7.1	16.8	13.8
Budget Balance % GDP	-3.0	-9.9	-0.5	10.2	7.2
CPI %	-1.0	1.0	2.2	3.4	2.4

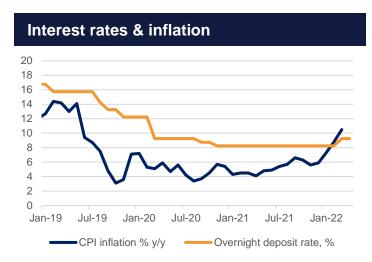
Source: Haver Analytics, National sources, Emirates NBD Research



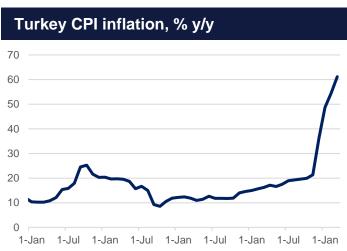
MENA in Pictures



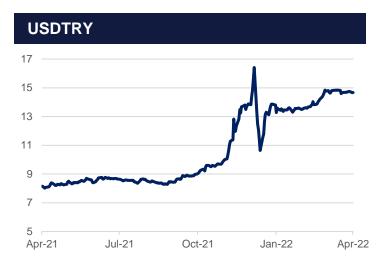
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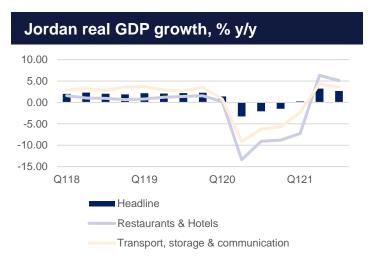
Source: IHS Markit, Emirates NBD Research



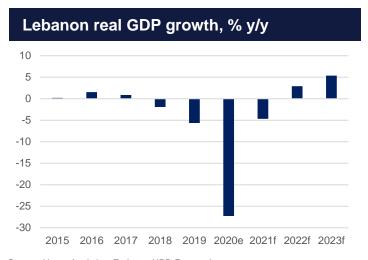
Source: Bloomberg, Emirates NBD Research



Source: Bloomberg, Emirates NBD Research



Source: Haver Analytics, Emirates NBD Research



Source: Haver Analytics, Emirates NBD Research



Key Economic Forecasts – Non-GCC Oil Importers

Egypt*	2019	2020	2021f	2022f	2023f
Nominal GDP \$bn	291.8	359.0	403.2	401.5	405.5
Real GDP %	5.6	3.6	3.3	5.3	5.8
Current A/C % GDP	-3.7	-3.2	-5.0	-4.1	-3.7
Budget Balance % GDP	-8.6	-8.0	-7.4	-7.9	-7.0
CPI %	9.4	5.1	5.2	9.0	8.0
Jordan	2019	2020	2021f	2022f	2023f
Nominal GDP \$bn	44.5	43.7	46.5	49.3	52.1
Real GDP %	2.0	-1.6	2.2	3.2	2.9
Current A/C % GDP	-2.1	-8.1	-8.4	-5.9	-5.4
Budget Balance % GDP	-3.7	-7.7	-8.0	-7.5	-6.7
CPI %	0.3	0.3	1.4	2.5	2.6
Lebanon	2019	2020	2021f	2022f	2023f
Nominal GDP \$bn	53.6	63.6	114.9	64.6	81.6
Real GDP %	-7.2	-25.0	-0.7	2.9	6.6
Current A/C % GDP	-21.3	-3.5	-5.3	-10.6	-7.2
Budget Balance % GDP	-10.9	-3.2	-3.1	-2.2	-1.4
CPI %	10.1	84.3	145.0	90.0	20.0
O1 1 70	10.1	04.0	140.0	30.0	20.0
Morocco	2019	2020	2021f	2022f	2023f
Morocco	2019	2020	2021f	2022f	2023f
Morocco Nominal GDP \$bn	2019 119.9	2020 114.8	2021f 131.4	2022f 136.7	2023f 146.5
Morocco Nominal GDP \$bn Real GDP %	2019 119.9 2.6	2020 114.8 -6.3	2021f 131.4 6.9	2022f 136.7 3.1	2023f 146.5 4.2
Morocco Nominal GDP \$bn Real GDP % Current A/C % GDP	2019 119.9 2.6 -3.7	2020 114.8 -6.3 -1.5	2021f 131.4 6.9 -3.3	2022f 136.7 3.1 -3.8	2023f 146.5 4.2 -3.4
Morocco Nominal GDP \$bn Real GDP % Current A/C % GDP Budget Balance % GDP	2019 119.9 2.6 -3.7 -4.0	2020 114.8 -6.3 -1.5 -7.5	2021f 131.4 6.9 -3.3 -6.5	2022f 136.7 3.1 -3.8 -5.8	2023f 146.5 4.2 -3.4 -5.4
Morocco Nominal GDP \$bn Real GDP % Current A/C % GDP Budget Balance % GDP CPI %	2019 119.9 2.6 -3.7 -4.0 0.3	2020 114.8 -6.3 -1.5 -7.5	2021f 131.4 6.9 -3.3 -6.5	2022f 136.7 3.1 -3.8 -5.8 3.0	2023f 146.5 4.2 -3.4 -5.4 1.8
Morocco Nominal GDP \$bn Real GDP % Current A/C % GDP Budget Balance % GDP CPI % Tunisia	2019 119.9 2.6 -3.7 -4.0 0.3 2019	2020 114.8 -6.3 -1.5 -7.5 0.7 2020	2021f 131.4 6.9 -3.3 -6.5 1.4 2021f	2022f 136.7 3.1 -3.8 -5.8 3.0 2022f	2023f 146.5 4.2 -3.4 -5.4 1.8 2023f
Morocco Nominal GDP \$bn Real GDP % Current A/C % GDP Budget Balance % GDP CPI % Tunisia Nominal GDP \$bn	2019 119.9 2.6 -3.7 -4.0 0.3 2019 40.1	2020 114.8 -6.3 -1.5 -7.5 0.7 2020 36.2	2021f 131.4 6.9 -3.3 -6.5 1.4 2021f 37.3	2022f 136.7 3.1 -3.8 -5.8 3.0 2022f 36.5	2023f 146.5 4.2 -3.4 -5.4 1.8 2023f 36.3
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Source: Haver Analytics, National sources, Emirates NBD Research

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



Key Economic Forecasts – Non-GCC Oil Exporters

Algeria	2019	2020	2021f	2022f	2023f
Nominal GDP \$bn	171.1	160.2	162.9	170.3	177.1
Real GDP %	0.1	-4.9	3.3	4.2	3.1
Current A/C % GDP	-10.1	-10.0	-8.5	-7.2	-7.2
Budget Balance % GDP	-6.7	-10.3	-7.9	-6.4	-6.1
CPI %	2.3	2.8	4.9	5.3	5.0
Iran	2019	2020	2021f	2022f	2023f
Nominal GDP \$bn	635.8	909.5	1274.9	1525.2	1667.3
Real GDP %	-6.8	3.4	3.0	3.5	4.0
Current A/C % GDP	0.6	-0.1	0.6	1.1	1.5
Budget Balance % GDP	-4.6	-5.7	-4.4	-3.8	-3.7
CPI %	36.2	35.9	46.0	25.0	15.0
Iraq	2019	2020	2021f	2022f	2023f
Nominal GDP \$bn	168.2	169.2	169.0	180.8	194.1
Real GDP %	6.0	-15.7	1.4	4.9	5.4
Current A/C% GDP	9.4	-2.7	7.6	9.8	8.8
Budget Balance % GDP	0.9	-9.8	-8.7	3.3	3.0
CPI %	-0.2	3.2	6.5	2.5	2.0
Libya	2019	2020	2021f	2022f	2023f
Nominal GDP \$bn	36.4	13.4	8.7	10.3	11.0
Real GDP %	7.9	-51.1	56.9	9.5	6.3
Current A/C% GDP	-6.3	-14.9	15.3	11.2	11.5
Budget Balance % GDP	-29.4	-31.6	11.8	7.0	9.5
CPI %	-2.2	7.0	5.0	5.5	6.0
Oil Exporters (GDP weighted avg)	2019	2020	2021f	2022f	2023f
Nominal GDP \$bn	457.9	699.6	1036.7	1270.9	1397.5
Real GDP %	-2.8	0.0	2.8	3.0	4.1
Current A/C % GDP	-0.5	-2.0	0.3	1.0	1.4
Budget Balance % GDP	-4.9	-6.4	-5.0	-3.6	-3.3
CPI %	23.7	26.7	37.1	20.8	12.9

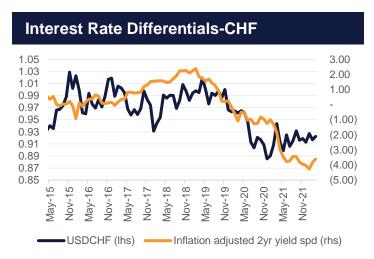
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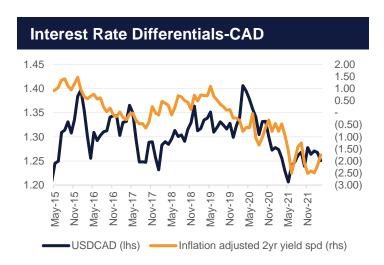
FX-Major Currency Pairs & Real Interest Rates



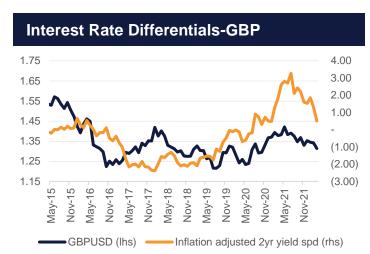
Source: Bloomberg, Emirates NBD Research



Source: Bloomberg, Emirates NBD Research



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Source: Bloomberg, Emirates NBD Research



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FX Forecasts

	FX Forecasts - Major									Forwards	
	26-Apr-22	Jun-22	Sep-22	Dec-22	Mar-23	Jun-23	Sep-23	Dec-23	3m	6m	12m
EUR / USD	1.0683	1.09	1.09	1.10	1.12	1.13	1.14	1.15	1.0697	1.0800	1.0951
USD / JPY	127.85	125.00	130.00	128.00	125.00	120.00	118.00	117.00	127.73	126.56	124.50
USD / CHF	0.9596	0.95	0.94	0.90	0.93	0.93	0.92	0.90	0.9582	0.9481	0.9338
GBP / USD	1.2723	1.32	1.34	1.35	1.38	1.37	1.40	1.42	1.2722	1.2742	1.2790
AUD/USD	0.7200	0.75	0.77	0.78	0.78	0.79	0.80	0.82	0.7204	0.7221	0.7223
NZD / USD	0.6631	0.70	0.71	0.71	0.72	0.73	0.73	0.75	0.6629	0.6610	0.6584
USD / CAD	1.2738	1.24	1.23	1.20	1.18	1.18	1.16	1.15	1.2739	1.2748	1.2750
EUR / GBP	0.8397	0.83	0.81	0.81	0.81	0.82	0.81	0.81	0.8408	0.8476	0.8562
EUR / JPY	136.58	136.25	141.70	140.80	140.00	135.60	134.52	134.55	136.63	136.68	136.33
EUR / CHF	1.0251	1.04	1.02	0.99	1.04	1.05	1.05	1.04	1.0250	1.0240	1.0226
			FX Forecast	ts - Emerg	ing					Forwards	
	26-Apr-22	Jun-22	FX Forecast Sep-22	ts - Emerg Dec-22	ing Mar-23	Jun-23	Sep-23	Dec-23	3m	Forwards 6m	12m
USD/SAR	26-Apr-22 3.7516					Jun-23 3.75	Sep-23 3.75	Dec-23 3.75	3 m 3.7527		12m 3.7563
USD/SAR USD/AED		Jun-22	Sep-22	Dec-22	Mar-23		_			6m	
	3.7516	Jun-22 3.75	Sep-22 3.75	Dec-22 3.75	Mar-23 3.75	3.75	3.75	3.75	3.7527	6m 3.7538	3.7563
USD/AED	3.7516 3.6730	Jun-22 3.75 3.67	Sep-22 3.75 3.67	3.75 3.67	Mar-23 3.75 3.67	3.75 3.67	3.75 3.67	3.75 3.67	3.7527 3.6725	6m 3.7538 3.6723	3.7563 3.6723
USD/AED USD/KWD	3.7516 3.6730 0.3057	3.75 3.67 0.30	3.75 3.67 0.30	3.75 3.67 0.30	Mar-23 3.75 3.67 0.30	3.75 3.67 0.30	3.75 3.67 0.30	3.75 3.67 0.30	3.7527 3.6725 0.3064	6m 3.7538 3.6723 0.3068	3.7563 3.6723 0.3073
USD/AED USD/KWD USD/OMR	3.7516 3.6730 0.3057 0.3850	3.75 3.67 0.30 0.39	3.75 3.67 0.30 0.39	3.75 3.67 0.30 0.39	Mar-23 3.75 3.67 0.30 0.39	3.75 3.67 0.30 0.39	3.75 3.67 0.30 0.39	3.75 3.67 0.30 0.39	3.7527 3.6725 0.3064 0.3850	6m 3.7538 3.6723 0.3068 0.3850	3.7563 3.6723 0.3073 0.3852
USD/AED USD/KWD USD/OMR USD/BHD	3.7516 3.6730 0.3057 0.3850 0.3770	3.75 3.67 0.30 0.39 0.38	3.75 3.67 0.30 0.39 0.38	3.75 3.67 0.30 0.39	Mar-23 3.75 3.67 0.30 0.39 0.38	3.75 3.67 0.30 0.39 0.38	3.75 3.67 0.30 0.39 0.38	3.75 3.67 0.30 0.39 0.38	3.7527 3.6725 0.3064 0.3850 0.3774	6m 3.7538 3.6723 0.3068 0.3850 0.3777	3.7563 3.6723 0.3073 0.3852 0.3785
USD/AED USD/KWD USD/OMR USD/BHD USD/QAR	3.7516 3.6730 0.3057 0.3850 0.3770 3.6572	3.75 3.67 0.30 0.39 0.38 3.64	3.75 3.67 0.30 0.39 0.38 3.64	3.75 3.67 0.30 0.39 0.38 3.64	Mar-23 3.75 3.67 0.30 0.39 0.38 3.64	3.75 3.67 0.30 0.39 0.38 3.64	3.75 3.67 0.30 0.39 0.38 3.64	3.75 3.67 0.30 0.39 0.38 3.64	3.7527 3.6725 0.3064 0.3850 0.3774 3.6606	6m 3.7538 3.6723 0.3068 0.3850 0.3777 3.6614	3.7563 3.6723 0.3073 0.3852 0.3785 3.6661
USD/AED USD/KWD USD/OMR USD/BHD USD/QAR USD/EGP	3.7516 3.6730 0.3057 0.3850 0.3770 3.6572 18.5510	3.75 3.67 0.30 0.39 0.38 3.64 18.40	3.75 3.67 0.30 0.39 0.38 3.64 18.25	3.75 3.67 0.30 0.39 0.38 3.64 18.00	Mar-23 3.75 3.67 0.30 0.39 0.38 3.64 17.90	3.75 3.67 0.30 0.39 0.38 3.64 17.90	3.75 3.67 0.30 0.39 0.38 3.64 17.90	3.75 3.67 0.30 0.39 0.38 3.64 17.69	3.7527 3.6725 0.3064 0.3850 0.3774 3.6606 19.7000	6m 3.7538 3.6723 0.3068 0.3850 0.3777 3.6614 20.2985	3.7563 3.6723 0.3073 0.3852 0.3785 3.6661 21.2600

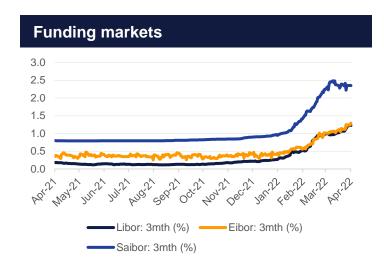
Data as of 26 Apr 2022



Financial markets













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





Interest Rate Forecasts

Government bonds	26-Apr-22	Jun-22	Sep-22	Dec-22	Mar-23	Jun-23	Sep-23	Dec-23	Mar-24
USD									
2yr yield: %	2.61	2.65	2.85	2.90	3.00	3.00	2.85	2.75	2.50
10yr yield: %	2.80	2.95	3.15	3.25	3.40	3.50	3.40	3.25	3.00
EUR (bunds)									
2yr yield: %	0.15	0.25	0.30	0.40	0.50	0.60	0.75	0.85	1.00
10yr yield: %	0.83	0.80	1.00	1.20	1.40	1.50	1.75	1.85	2.00
GBP									
2yr yield: %	1.54	1.60	1.50	1.75	1.90	2.00	2.25	2.00	1.75
10yr yield: %	1.85	1.85	2.00	2.25	2.40	2.50	2.50	2.25	2.00
JPY									
2yr yield: %	-0.06	-0.05	-0.05	0.00	0.00	0.00	0.00	0.00	0.00
10yr yield: %	0.24	0.30	0.30	0.40	0.50	0.50	0.60	0.60	0.60

Interbank market	26-Apr-22	Jun-22	Sep-22	Dec-22	Mar-23	Jun-23	Sep-23	Dec-23	Mar-24
USD 3M LIBOR	1.22	1.96	2.46	2.96	3.21	3.46	3.96	3.96	3.71
SOFR	0.27	0.62	0.79	0.96	1.04	1.12	1.29	1.29	1.17
AED 3M EIBOR	1.29	2.11	2.61	3.11	3.36	3.61	4.11	4.11	3.86

Policy rates	26-Apr-22	Jun-22	Sep-22	Dec-22	Mar-23	Jun-23	Sep-23	Dec-23	Mar-24
Fed Funds target rate (upper bound)	0.50	1.50	2.00	2.50	2.75	3.00	3.50	3.50	3.25
ECB (Deposit Rate)	-0.50	-0.50	0.00	0.25	0.50	0.75	1.00	1.25	1.25
BoE (Bank Rate)	0.75	1.25	1.75	2.00	2.25	2.25	2.25	2.25	2.25
BoJ (Policy Balance Rate)	-0.10	-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	-0.75
RBA (Cash Target Rate)	0.10	0.35	1.10	1.85	2.10	2.35	2.60	2.85	2.85
RBI (Repo Rate)	4.00	4.25	4.50	4.75	5.00	5.00	5.25	5.25	5.25
SCB (Reverse Repo)	0.75	1.75	2.25	2.75	3.00	3.25	3.75	3.75	3.50
CBUAE (Base Rate)	0.40	1.40	1.90	2.40	2.65	2.90	3.40	3.40	3.15
CBK (O/N Repo Rate)	1.75	2.75	3.25	3.75	4.00	4.25	4.75	4.75	4.50
CBB (O/N Deposit Rate)	1.00	2.00	2.50	3.00	3.25	3.50	4.00	4.00	3.75
CBO (O/N Repo Rate)	0.75	1.50	2.00	2.50	2.75	3.00	3.50	3.50	3.25
CBE (O/N Deposit Rate)	9.25	10.25	11.25	11.25	11.50	11.50	11.50	11.75	11.75

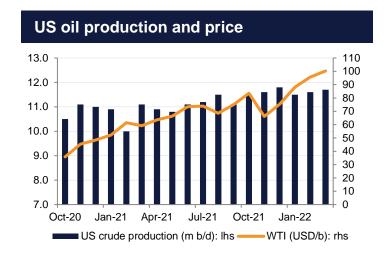
Source: Bloomberg, Emirates NBD Research

As of 26 Apr 2022

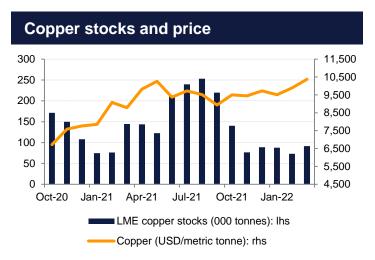


Brent (USD/b): rhs

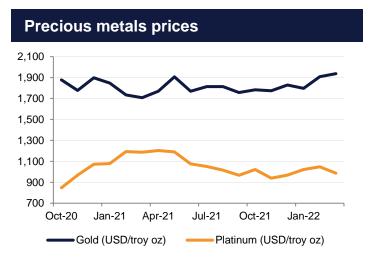
Major Commodities Markets



Source: Bloomberg, Emirates NBD Research



Source: Bloomberg, Emirates NBD Research



Source: Bloomberg, Emirates NBD Research

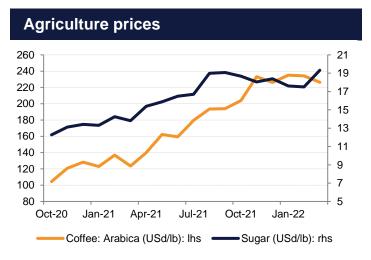
International oil production and price 29.0 120 110 28.0 100 90 27.0 80 26.0 70 60 25.0 40 24.0 30 20 23.0 22.0

Source: Bloomberg, Emirates NBD Research

■ Total OPEC production (m b/d): lhs —



Source: Bloomberg, Emirates NBD Research





Commodity Forecasts

	Energy Commodity Forecasts													
	26-Apr-22	Jun-22	Sep-22	Dec-22	Mar-23	Jun-23	Sep-23	Dec-23						
Brent: USD / b	101.80	120.00	120.00	115.00	110.00	100.00	100.00	90.00						
WTI: USD / b	97.71	115.00	115.00	110.00	100.00	95.00	95.00	90.00						
		Р	recious Met	als Forecas	ts									
	26-Apr-22	Jun-22	Sep-22	Dec-22	Mar-23	Jun-23	Sep-23	Dec-23						
Gold: USD / troy oz	1,903.28	2,000.00	2,000.00	1,950.00	1,950.00	1,900.00	1,850.00	1,800.00						
Silver: USD / troy oz	23.70	25.00	25.00	22.00	20.00	18.00	17.50	17.00						
Platinum: USD / troy oz	924.96	1,100.00	1,100.00	1,000.00	950.00	950.00	900.00	900.00						
Palladium: USD /troy oz	2,206.64	3,000.00	3,250.00	3,500.00	3,500.00	3,250.00	3,250.00	3,000.00						
		In	dustrial Met	als Forecas	ts									
	26-Apr-22	Jun-22	Sep-22	Dec-22	Mar-23	Jun-23	Sep-23	Dec-23						
Aluminium: USD / tonne	3,090.50	3,500.00	3,500.00	3,250.00	3,000.00	2,900.00	2,850.00	2,500.00						
Copper: USD / tonne	9,769.00	10,000.00	10,000.00	10,000.00	9,000.00	8,500.00	8,500.00	8,000.00						
Lead: USD / tonne	2,327.00	2,345.64	2,345.64	2,345.64	2,228.36	2,166.46	2,166.46	2,102.74						
Nickel: USD / tonne	32,636.00	30,000.00	35,000.00	30,000.00	27,500.00	25,000.00	22,500.00	22,000.00						
Tin: USD / tonne	39,858.00	40,000.00	45,000.00	33,000.00	32,750.00	32,500.00	32,500.00	32,000.00						
Zinc: USD / tonne	4,168.50	3,686.87	3,686.87	3,686.87	3,318.18	3,133.84	3,133.84	2,949.49						

Prices as of 26 Apr 2022. Note: prices are average of time period unless indicated otherwise.



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