



Focus
Ukraine

Scope
Economics, bonds, equity & FX markets

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Daily Insight

NBU purchases new bonds from

Contents

Bonds: News & Comments	2
NBU purchases new bonds from Naftogaz.....	2
Liquidity steady.....	2
Chart page: Local bond market & Eurobond markets.....	3
FX: News & Comments	6
UAH gains versus the US dollar echoing regional trend.....	6
Chart page #1: Foreign-exchange market.....	7
Chart page #2: ICU's UAH trade-weighted indices.....	8

THURSDAY, 23 APRIL 2015

UX Index (3 months to 23 Apr 2015)



Source: UX.

Key market indicators (as of 22 Apr 2015)

	Last	Daily chg (%)	YTD chg (%)
FX & MONEY RATES			
USD/UAH	22.6000	-0.66	+42.86
USD/UAH (1Y NDF)	27.1000	+0.74	+46.88
EUR/USD	1.0725	-0.10	-11.35
USD/RUB	52.1916	-2.80	-14.07
KievPRIME O/N (%)	21.63	-77bp	+273bp
KievPRIME 1M (%)	28.00	+0bp	+810bp
SOVEREIGN EUROBONDS: yields and spreads			
Ukraine 15, Eurobond (%)	256.99	+2,113bp	+19,522bp
Ukraine 17, Eurobond (%)	56.70	+408bp	+2,895bp
Ukraine 22, Eurobond (%)	24.56	+92bp	+831bp
Ukraine 23, Eurobond (%)	22.68	+101bp	+712bp
Ukraine 5Y CDS	3,451bp	-559bp	+1,252bp
EQUITIES			
Stock market indices			
UX (Ukraine)	1,020.50	+1.33	-1.24
MSCI World	438.12	+0.30	+5.03
MSCI EM	1,047.61	+0.52	+9.55
RTS (Russia)	1,004.00	-0.37	+27.55
WIG-20 (Poland)	2,520.38	+0.43	+8.83
S&P 500 (USA)	2,107.96	+0.51	+2.38

Notes: Chg – percentage change, if not otherwise indicated; [1] – total traded volume for stocks listed in green- or red-shaded box means gain or loss, respectively, of the index or security.

Sources: Bloomberg, UX, Investment Capital Ukraine LLC.

Bonds: News & Comments

NBU purchases new bonds from Naftogaz

According to NBU data on bondholders' portfolios, its portfolio rose UAH2.23bn to UAH342.76bn and the other residents' portfolio declined by a similar volume. The remaining other groups' portfolios changed little.

Investment implications: The NBU appears to have purchased bonds from Naftogaz, as the trading volume of mid-term bonds today more than doubled to UAH4.46bn. Naftogaz sold these bonds to a bank, which, in turn, immediately sold them to the NBU. These funds most likely were spent to purchase FX as turnover at the FX market was significantly higher on Tuesday.

Liquidity steady

Broader banking sector liquidity rose a paltry UAH0.08bn to UAH61.73bn yesterday, setting a new record high this month. Funds were slightly reallocated as banks' correspondent accounts with the NBU slid UAH0.55bn to UAH26.82bn while total CDs outstanding rose UAH0.63bn to UAH23.90bn. Total local currency debt repayments scheduled for the next 30 days remained steady at UAH11.01bn.

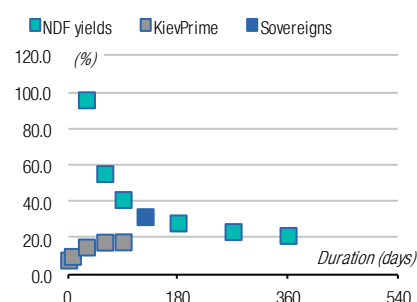
KyivPrime interest rates slightly diverged: the KyivPrime ON interest rate declined 77bp to 21.63% while the KyivPrime 1M interest rate remained steady at 28.00% for the third consecutive day.

Investment implications: Although the NBU purchased UAH2.23bn (see comment above), this deal probably had no impact on liquidity, as it could have been a deal with Naftogaz. As a result, liquidity remained mostly steady.

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Yield curve of the local bond market

(as of market close on 22 Apr 2015)



Sources: Bloomberg, Investment Capital Ukraine LLC.

Bond market indicators (as of 22 Apr 2015)

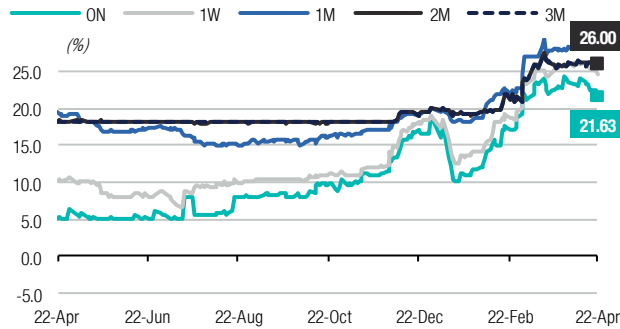
	Last	Daily	Weekly	MoM	YTD
		chg (%)	chg (%)	chg (%)	chg (%)
MONEY MARKET KIEV PRIME RATES (%)					
O/n	21.63	-77bp	-154bp	-37bp	+273bp
1wk	24.44	-76bp	-123bp	+13bp	+544bp
1m	28.00	+0bp	-17bp	+12bp	+810bp
2m	26.00	-20bp	+33bp	-50bp	+600bp
3m	26.00	-20bp	+33bp	-25bp	+600bp
LIQUIDITY WIDE MEASUREMENT (UAHm)					
CB acc's ¹	26,822	-2.00	-0.51	-12.33	-19.34
CDs ²	23,899	+2.71	+32.21	+22.21	+51.39
Sovgns ³	9,547	-13.74	-2.15	-6.26	+110.7
Total	60,267	-2.33	+9.99	-0.11	+12.50
HOLDERS OF UAH SOVEREIGN BONDS (UAHm)					
C.bank	342,756	+0.66	+0.64	+0.06	+7.74
Banks	100,453	+0.02	-2.29	-5.04	+7.51
Resid's ⁴	28,504	-7.17	-7.26	+20.73	+16.11
Non-res ⁵	26,033	+0.08	-2.38	-4.03	+20.84
Total	497,746	+0.02	-0.61	-0.26	+8.76
NDF IMPLIED YIELDS (%)					
3m	N/A	N/A	N/A	N/A	N/A
6m	N/A	N/A	N/A	N/A	N/A
9m	N/A	N/A	N/A	N/A	N/A
1yr	N/A	N/A	N/A	N/A	N/A
LOCAL CURRENCY UAH SOVEREIGN BOND YIELDS (%)					
Mar '13	N/A	N/A	N/A	N/A	N/A
Jan '14	N/A	N/A	N/A	N/A	N/A
Aug '15 ⁶	N/A	N/A	N/A	N/A	N/A
EUROBONDS USD SOVEREIGN BOND YIELDS (%)					
CDS 5yr	3,451	-559bp	-703bp	-10ppt	+13bp
Jun '16	98.76	+737bp	+402bp	-393bp	+62bp
Jul '17	56.70	+408bp	+166bp	-201bp	+29bp
Sep '20	29.22	+112bp	+51bp	-244bp	+10bp
Sep '21	28.26	+95bp	+67bp	-248bp	+972bp
Sep '22	24.56	+92bp	+88bp	-214bp	+831bp
Feb '23	22.68	+101bp	+20bp	-107bp	+712bp

Notes: [1] banks' account balance at NBU; [2] certificates of deposits issued by NBU; [3] UAH sovereign bonds due next 30 days; [4] residents; [5] non-residents; [6] VAT bond.

Sources: Bloomberg, Investment Capital Ukraine LLC.

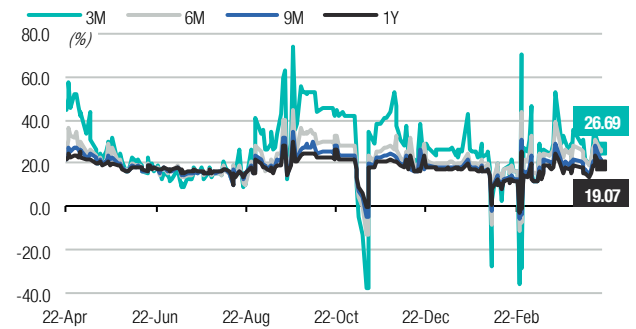
Chart page: Local bond market & Eurobond markets

Chart 1. Kiev Prime rates (%), last 12-month period



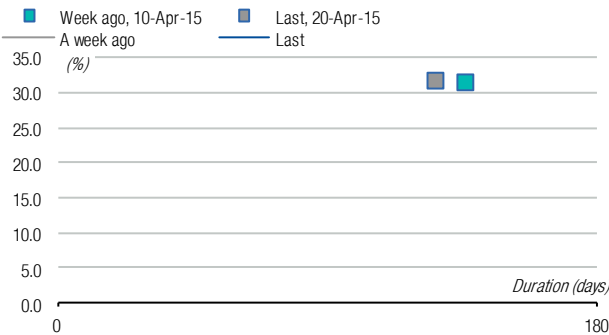
Sources: Bloomberg, Investment Capital Ukraine LLC.

Chart 2. UAH NDF implied yields (%), last 12-month period



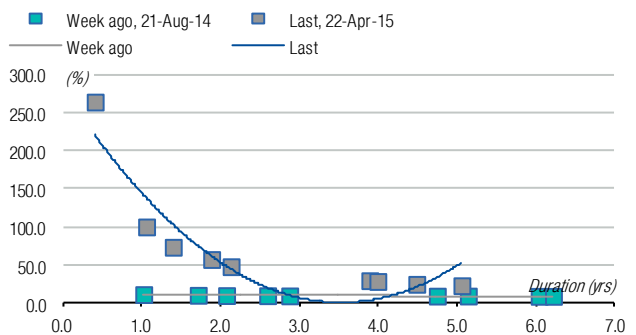
Sources: Bloomberg, Investment Capital Ukraine LLC.

Chart 3. UAH sovereign yield curve (%) as of 22 Apr 2015



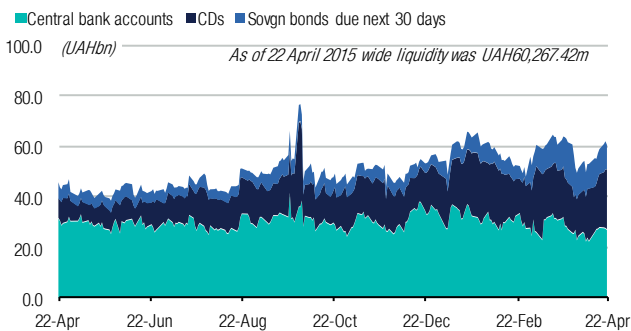
Sources: Bloomberg, Investment Capital Ukraine LLC.

Chart 4. USD sovereign yield curve (%) as of 22 Apr 2015



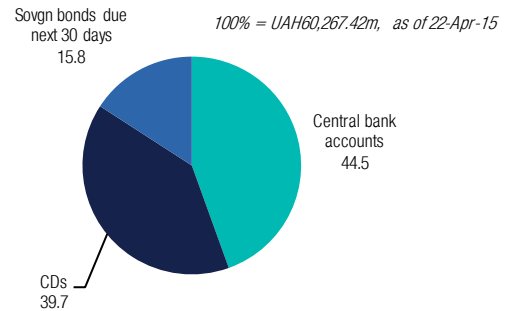
Sources: Bloomberg, Investment Capital Ukraine LLC.

Chart 5. Banking sector liquidity (UAHbn), last 12-month period



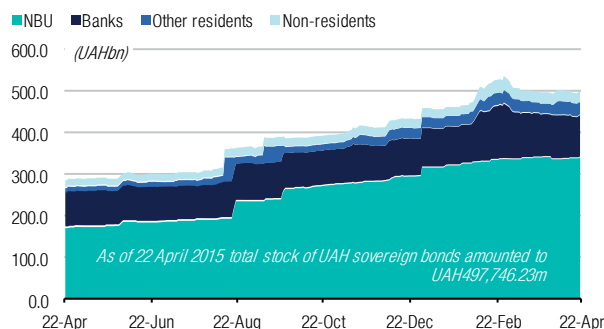
Sources: National Bank of Ukraine, Ministry of Finance of Ukraine, ICU.

Chart 6. Breakdown of liquidity pool (%) as of 22 Apr 2015



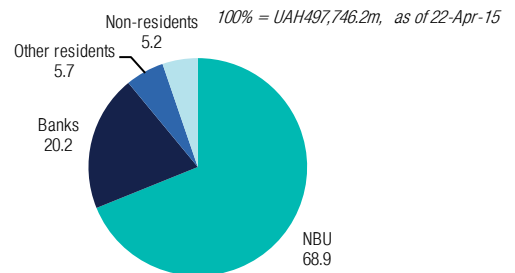
Sources: National Bank of Ukraine, Ministry of Finance of Ukraine, ICU.

Chart 7. Holders of sovereign bonds (UAHbn), last 12 months



Sources: National Bank of Ukraine, Investment Capital Ukraine LLC.

Chart 8. Domestic sovereign debt (%) as of 22 Apr 2015



Sources: National Bank of Ukraine, Investment Capital Ukraine LLC.

Table 1. Ukrainian stocks (closing prices as of 22-Apr-2015)

Company	Bloomberg Ticker	Listing	Share price performance (% change)				Valuation (US\$)			Free float (FF) & Liquidity					P/E			EV/EBITDA			EV/Sales			Ratios			
			Last price	Daily	MoM	YTD	YoY	Last price	Market cap (m)	EV (m)	FF (%)	FF mkt cap (US\$m)	Last day turnover (US\$ 000)	3M avg. turnover (US\$ 000)	FF share traded (%)	FF turnover (days)	2014	2015E	2016E	2014	2015E	2016E	2014	2015E	2016E	P/B (x)	Debt/Assets (%)
ENERGY																											
Cadogan Petrol...	CAD LN	London	8.50 GBP	+0.0	-2.9	-15.0	-7.6	0.13	29.5	-18.1	40.2	11.9	102.9	9.1	0.06	1,700	Neg.	N/A	N/A	2.7	N/A	N/A	Neg.	N/A	N/A	0.2	0.0
Centrenergo	CEEN UK	Kiev, UX	8.09 UAH	+1.5	+0.0	+7.3	+31.0	0.36	131.7	123.4	21.7	28.6	24.8	32.2	0.06	1,676	6.1	61.6	Neg.	0.2	6.7	Neg.	0.4	0.2	0.3	1.2	16.3
Coal Energy	CLE PW	Warsaw	0.63 PLN	+3.3	-3.1	+1.6	-54.3	0.17	7.6	84.6	25.0	1.9	0.6	5.2	0.09	1,132	Neg.	N/A	N/A	11.6	N/A	N/A	0.8	N/A	N/A	0.3	56.9
Donbasenergo	DOEN UK	Kiev, UX	22.45 UAH	+1.5	+3.1	-32.0	-52.2	0.99	23.4	58.4	14.2	3.3	9.2	5.4	0.14	713	1.0	0.9	Neg.	0.1	1.2	17.4	0.2	0.1	0.3	0.8	25.1
JXK Oil & Gas	JXK LN	London	29.50 GBP	+1.7	-11.9	+145.8	-48.0	0.44	76.3	86.9	47.2	36.0	70.0	373.3	0.16	617	Neg.	Neg.	Neg.	Neg.	1.5	N/A	0.7	0.6	1.1	0.3	9.9
Regal Petroleum	RPT LN	London	4.77 GBP	+0.0	+4.8	+52.6	-48.4	0.07	23.0	-7.1	80.9	18.6	0.0	2.0	0.00	20,237	Neg.	11.5	7.7	Neg.	Neg.	Neg.	Neg.	Neg.	0.2	0.0	
Sadova Group	SGR PW	Warsaw	0.31 PLN	+0.0	+40.9	-60.8	-62.7	0.08	3.6	43.5	25.0	0.9	0.3	4.8	1.18	85	Neg.	N/A	N/A	Neg.	N/A	N/A	21.2	N/A	N/A	0.2	54.9
Zakhidenergo	ZAEN UK	Kiev, PFTS	150.00 UAH	+0.0	-14.4	+1.3	+9.5	6.61	84.5	93.0	5.0	4.2	0.0	1.0	0.02	6,187	3.3	N/A	N/A	0.6	N/A	N/A	0.2	N/A	N/A	1.3	0.0
METALLURGY																											
Alchevsky Meta...	ALMK UK	Kiev, UX	0.01 UAH	+4.6	+13.0	-5.5	-59.9	0.00	15.6	1,277.6	3.9	0.6	0.7	0.5	0.06	1,698	Neg.	Neg.	N/A	Neg.	Neg.	N/A	1.9	4.4	N/A	N/A	85.7
Avdiyivsky Cok...	AVDK UK	Kiev, UX	1.37 UAH	+1.6	-0.9	-20.9	-55.3	0.06	11.8	-15.8	4.0	0.5	1.2	1.3	0.30	334	Neg.	Neg.	Neg.	Neg.	0.3	0.3	Neg.	Neg.	Neg.	0.1	0.1
Azovstal	AZST UK	Kiev, UX	0.81 UAH	+3.8	+3.6	+9.3	+17.6	0.04	150.8	126.2	4.1	6.2	6.1	7.2	0.08	1,331	Neg.	1.9	2.9	Neg.	0.8	1.2	0.1	0.1	0.1	0.3	0.0
Ferrexpo PLC	FXPO LN	London	67.50 GBP	+1.1	+14.4	+38.0	-52.3	1.01	596.8	1,283.1	22.4	133.7	530.7	1,123.8	0.66	150	3.3	9.5	9.6	3.1	5.3	5.6	0.9	1.2	1.1	0.9	61.1
Yasynivsky Cok...	YASK UK	Kiev, UX	0.30 UAH	+0.0	-20.4	+7.1	-60.0	0.01	3.6	4.1	9.0	0.3	0.0	0.1	0.01	16,148	Neg.	Neg.	9.1	0.0	Neg.	Neg.	0.0	0.0	0.0	0.1	0.0
Yenakievo Steel	ENMZ UK	Kiev, UX	17.08 UAH	+1.8	-2.4	-18.5	-51.2	0.75	7.9	2.1	9.4	0.7	0.8	1.7	0.10	963	Neg.	Neg.	N/A	0.4	0.0	N/A	0.0	0.0	N/A	0.8	0.0
FOOD AND AGRIBUSINESS																											
AgroGeneration	ALAGR FP	EN Paris	0.47 EUR	+2.2	+4.4	+9.3	-55.7	0.50	46.5	92.7	34.0	15.8	10.9	53.3	0.10	1,002	Neg.	N/A	N/A	Neg.	N/A	N/A	1.6	N/A	N/A	1.0	35.9
Agroliga	AGL PW	Warsaw	8.67 PLN	-0.3	+0.2	-3.7	-51.7	2.32	3.6	4.3	16.7	0.6	0.0	1.8	0.20	492	1.1	N/A	N/A	1.2	N/A	N/A	0.3	N/A	N/A	0.4	5.7
Agroton	AGT PW	Warsaw	1.13 PLN	+0.9	-8.9	-8.1	-54.3	0.30	6.6	51.9	26.2	1.7	5.1	23.2	1.02	98	Neg.	N/A	N/A	19.4	17.3	N/A	0.6	0.6	N/A	0.1	28.4
Astarta Holdin...	AST PW	Warsaw	24.00 PLN	+0.0	+5.9	+20.0	-41.3	6.43	160.9	389.7	31.0	49.9	300.8	117.5	0.48	208	Neg.	Neg.	3.5	5.1	4.0	4.4	1.0	1.0	1.0	0.6	38.2
Avangard	AVGR LI	London Intl	2.20 USD	-2.2	-27.8	+7.3	-77.0	2.20	140.5	393.8	21.7	30.5	19.4	49.2	0.15	658	Neg.	1.9	1.3	3.0	3.2	2.8	0.9	0.9	0.8	0.2	33.1
IMC	IMC PW	Warsaw	5.60 PLN	+1.8	+1.8	-1.2	-35.6	1.50	47.0	186.2	23.9	11.2	0.0	3.2	0.01	10,951	Neg.	5.8	1.5	3.4	3.7	3.2	1.3	1.1	0.9	0.3	38.7
Kernel Holding...	KER PW	Warsaw	37.79 PLN	+0.2	-1.0	+32.8	+24.8	10.13	807.3	1,535.0	58.8	474.5	451.1	1,608.1	0.16	632	Neg.	5.8	5.3	6.9	4.6	4.6	0.6	0.7	0.6	0.8	39.1
KSG Agro	KSG PW	Warsaw	0.86 PLN	+3.6	-18.1	-23.2	-82.3	0.23	3.5	85.2	34.4	1.2	16.0	9.2	0.46	215	Neg.	N/A	0.2	9.8	N/A	N/A	1.1	0.9	0.8	0.3	44.5
MHP	MHPC LI	London Intl	11.10 USD	+1.8	+20.1	+20.7	-2.5	11.10	1,172.9	2,303.3	22.3	261.8	594.4	794.2	0.31	322	7.5	168.3	4.8	5.9	4.4	4.5	1.5	1.6	1.7	2.3	47.0
Milkiland	MLK PW	Warsaw	2.82 PLN	+1.4	+2.2	+90.5	-61.1	0.76	23.6	131.3	20.0	4.7	40.3	56.9	0.70	142	2.0	Neg.	Neg.	4.0	4.1	4.4	0.4	0.4	0.5	0.1	30.8
Mriya Agrohold...	MAYA GF	Frankfurt	0.20 EUR	-20.0	-53.4	-64.4	-95.6	0.21	22.7	750.5	20.0	4.5	0.0	0.3	0.02	5,410	0.3	0.3	0.1	4.6	N/A	N/A	1.5	1.8	1.7	0.1	45.3
Ovostar Union	OVO PW	Warsaw	75.00 PLN	+4.9	+7.9	+4.2	+7.2	20.11	120.6	130.0	25.0	30.2	1,789.9	73.8	0.51	197	4.8	5.9	6.3	4.4	5.0	4.2	1.7	1.6	1.3	1.5	9.4
TRANSPORTATION																											
KDM Shipping	KDM PW	Warsaw	4.18 PLN	+0.2	-20.1	+3.2	-68.4	1.12	10.4	-2.1	10.9	1.1	8.7	0.3	0.06	1,731	1.5	N/A	N/A	Neg.	N/A	N/A	Neg.	N/A	N/A	0.2	5.6
CONSTRUCTION																											
TMM	TR61 GF	Frankfurt	0.04 EUR	+0.0	-46.7	-50.0	-84.6	0.04	2.2	129.3	13.1	0.3	0.0	0.1	0.15	669	Neg.	N/A	N/A	Neg.	N/A	N/A	3.8	N/A	N/A	0.0	45.5
FINANCIAL SERVICES																											

Table 1. Ukrainian stocks (closing prices as of 22-Apr-2015)

Company	Bloomberg Ticker	Listing	Share price performance (% change)				Valuation (US\$)			Free float (FF) & Liquidity					P/E			EV/EBITDA			EV/Sales			Ratios				
			Last price	Daily	MoM	YTD	YoY	Last price	Market cap (m)	EV (m)	FF (%)	FF mkt cap (US\$m)	Last day turnover (US\$ 000)	3M avg. turnover (US\$ 000)	FF share traded (%)	FF turnover (days)	2014	2015E	2016E	2014	2015E	2016E	2014	2015E	2016E	P/B	Debt/(x) Assets	
Raiffeisen Ban...	BAVL UK	Kiev, UX	0.10 UAH	-0.5	-2.0	+2.1	-46.5	0.00	129.4	N/A	3.8	4.9	30.7	11.3	0.23	436	2.9	Neg.	Neg.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.5	22.4
Ukrsotsbank	USCB UK	Kiev, UX	0.11 UAH	+0.0	+1.3	-15.6	-28.3	0.00	119.5	N/A	4.5	5.4	0.0	0.4	0.00	24,522	Neg.	6.1	6.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.2	28.2

Notes: mln - millions; FF - free float; n/a - not available; neg. - negative; a company name (the left column of the table) is shortened to fit the column and hence in some cases is not displayed in full; *** - P/E is above 10,000x. Sources: Bloomberg, ICU.

FX: News & Comments

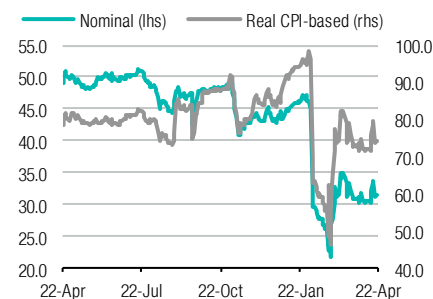
UAH gains versus the US dollar echoing regional trend

The hryvnia gained 0.66% yesterday versus the US dollar on US\$145m in trading. The currency's direction now appears to be uncertain. Trading sideways following recent volatile trading over the past few weeks, the hryvnia is following the trend of the US dollar index (DXY), the euro, and the Russian ruble itself which seems to have hit its peak over the past few days after its recent strong rebound. Such uncertainty should persist until the US Fed decides whether it will increase rates in June or postpone until September. The market's perception is that the Fed's first rate increase since the 2008 financial crisis scheduled to occur between June and September depends heavily on statistical data. The less likelihood of a postponement increases the US dollar's resuming its steady recovery. Should this occur, EM currencies will weaken. Conversely, a weakened US dollar would be beneficial to EM currencies, providing stability.

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ICU's UAH trade-weighted indices

(Last 12-month history to 23 Apr 2015)



Source: Investment Capital Ukraine LLC.

FX market indicators (as of 22 Apr 2015)

	Last	Daily	Weekly	MoM	YTD
	chg (%)	chg (%)	chg (%)	chg (%)	chg (%)
USD/UAH MARKET (HRYVNIA per US DOLLAR)					
Spot mkt	22.6000	-0.66	+3.29	+2.96	+42.86
NBU avg	22.5422	+1.19	+3.49	-2.80	+42.96
Ttl vlm ¹	192.69	-39.03	-38.86	-23.89	-55.28
\$ volume ²	144.91	-43.45	-40.63	-11.23	-59.10
NDF 3M	24.4500	+0.82	+4.34	-1.57	+45.10
NDF 6M	25.9000	+0.78	+4.51	-1.11	+48.85
NDF 1Y	27.1000	+0.74	+5.11	-0.33	+46.88
TRADE-WEIGHTED INDICES (TWIs, points)					
UAH nom'l	31.369	+0.15	-2.02	-5.92	-29.45
UAH real CPI	74.102	+0.15	-2.02	-5.92	-14.51
UAH real PPI	91.912	+0.15	-2.02	-5.92	-21.95
USD nom'l	97.932	-0.07	-0.39	+0.02	+8.49
FX RATES OF KEY CURRENCIES THAT SHAPE UAH's TWIs					
USD/RUB	52.1916	-2.80	+4.95	-11.98	-14.07
EUR/USD	1.0725	-0.10	+0.38	-0.89	-11.35
USD/CNY	6.1950	-0.11	-0.16	-0.15	-0.17
USD/PLN	3.7187	+0.12	-1.24	-2.61	+4.94
USD/TRY	2.7116	+0.98	+0.47	+5.34	+16.13
USD/BYR	14,525.00	+1.93	+1.40	-2.52	+32.05
USD/KZT	185.9200	+0.05	+0.02	+0.16	+1.96
OTHER MAJOR CURRENCIES					
USD/JPY	119.9100	+0.20	+0.65	-0.11	+0.11
GBP/USD	1.5037	+0.74	+1.31	+0.59	-3.47
USD/CHF	0.9715	+1.73	+0.73	-0.38	-2.29
AUD/USD	0.7755	+0.57	+0.95	-0.26	-5.14
USD/CAD	1.2238	-0.34	-0.42	-2.50	+5.31
USD/BRL	3.0108	-0.72	-0.59	-6.81	+13.29
USD/KRW	1,079.59	-0.34	-1.58	-3.86	-1.04
COMMODITIES					
Gold(\$/oz)	1,187.30	-1.25	-1.27	+0.39	+0.21
WTI crude ³	55.06	-0.36	-2.36	+20.43	+3.36
Brent crd ³	60.54	+2.06	+0.56	+13.82	+8.57
Urals crd ³	N/A	+0.00	+0.00	+0.00	+0.00
TR/J CRB ⁴	220.78	-0.12	-1.25	+3.12	-3.99

Notes: [1] trading volume in all foreign currencies (US\$m); [2] trading volume in the pair USD/UAH (US\$m); [3] crude oil price (USD per barrel); [4] the Thomson Reuters/Jefferies CRB Index. A green/-red-shaded box means gain or loss, respectively, of the investment into the asset. Currencies are gaining when their exchange rates strengthen versus USD.

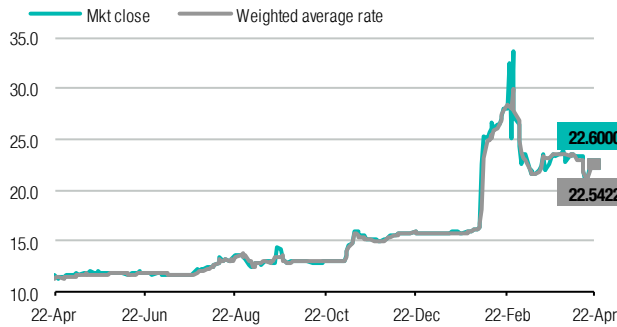
Sources: Bloomberg, Investment Capital Ukraine LLC.

Readers may follow the ICU trade-weighted indices of the local-currency, the hryvnia (UAH), on the ICU [website](#) and Bloomberg (type: ALLX UTWI <GO>).

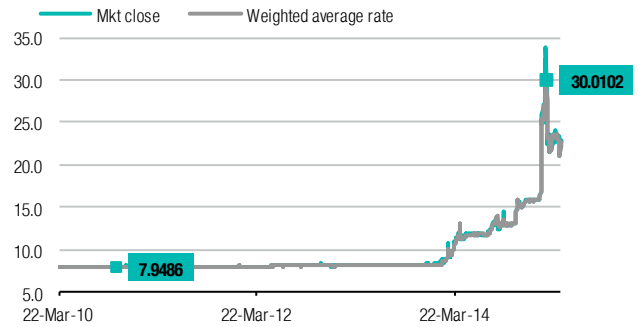
Section on FX market is continued on next page.

Chart page #1: Foreign-exchange market

Chart 9. Spot market rates USD/UAH: last 12-month and 5-year periods (UAH per USD, left and right respectively)

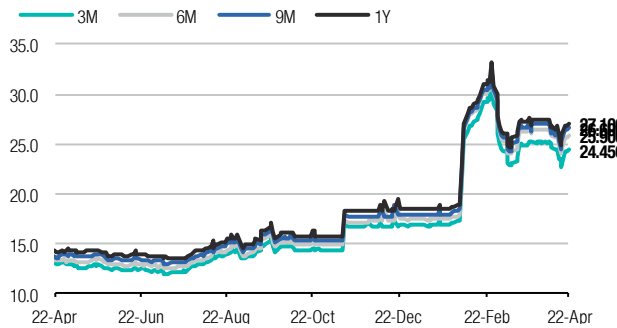


Sources: National Bank of Ukraine, Bloomberg, Investment Capital Ukraine LLC.

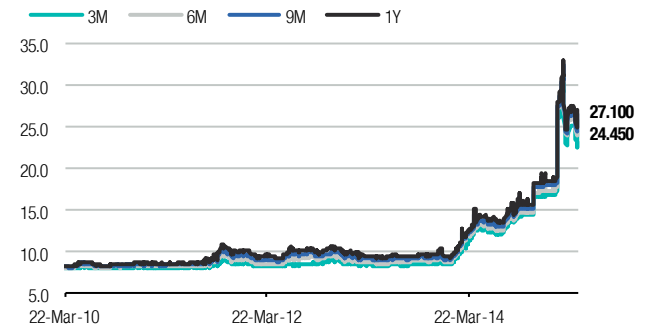


Sources: National Bank of Ukraine, Investment Capital Ukraine LLC.

Chart 10. NDF market rates USD/UAH: last 12-month and 5-year periods (UAH per USD, left and right respectively)

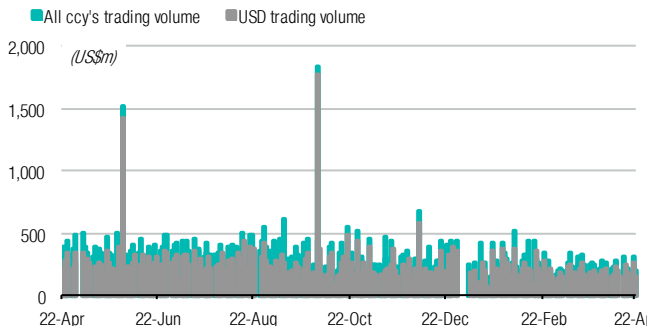


Sources: National Bank of Ukraine, Investment Capital Ukraine LLC.

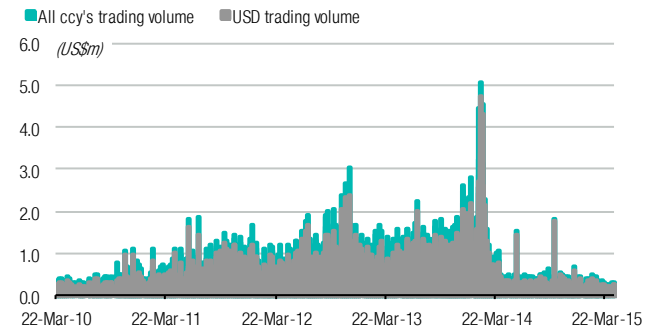


Sources: National Bank of Ukraine, Investment Capital Ukraine LLC.

Chart 11. Trading volume: last 12-month and 5-year periods (US\$m, left and right respectively)

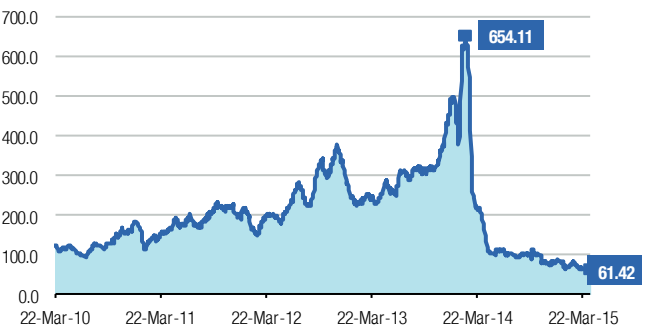


Sources: National Bank of Ukraine, Bloomberg, Investment Capital Ukraine LLC.



Sources: National Bank of Ukraine, Investment Capital Ukraine LLC.

Chart 12. 30D MA* ratio of FX market turnover to merchandise trade: last 12m and 5yr periods (% , left and right respectively)

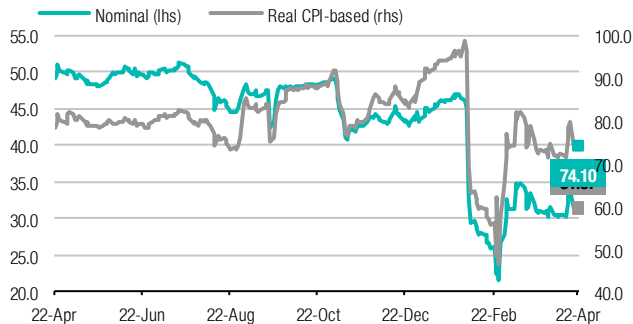


Note: * 30-day moving average; The boxes of the right chart show high and low values. Sources: NBU, State Statistics Service of Ukraine, Bloomberg, Investment Capital Ukraine LLC.

Chart page #2: ICU's UAH trade-weighted indices

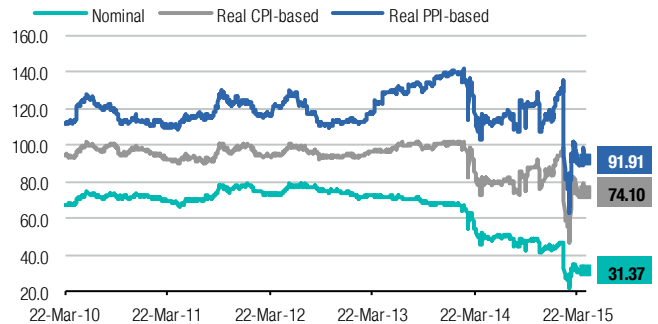
The following charts depict ICU's Ukrainian hryvnia trade-weighted indices which were calculated in accordance with methodology published in the [Quarterly Report "Keep the music playing"](#) dated 31 January 2013 and, then, updated, in the [Quarterly Report "Muddling through no more"](#) dated 14 August 2013.

Chart 13. Nominal and CPI-based real TWIs of UAH, history of last 12-month period



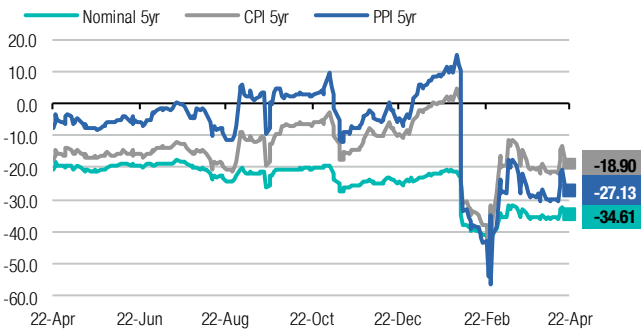
Note: The boxes indicate the last values of the depicted indicators.
Source: Investment Capital Ukraine LLC.

Chart 14. Nominal, CPI- and PPI-based TWIs of UAH, history of last 5-year period

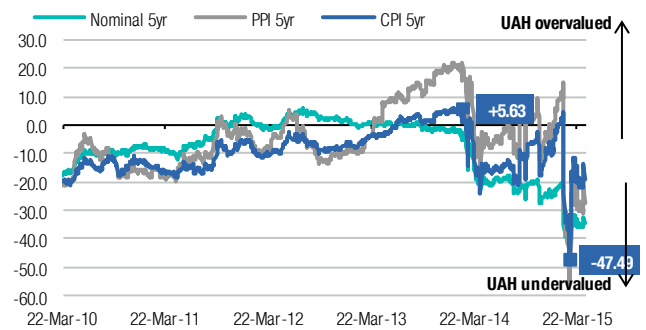


Note: The boxes indicate the last values of the depicted indicators.
Source: Investment Capital Ukraine LLC.

Chart 15. Deviation of UAH trade-weighted indices from their 5-year moving averages: last 12-month and 5-year periods (% , left and right respectively)

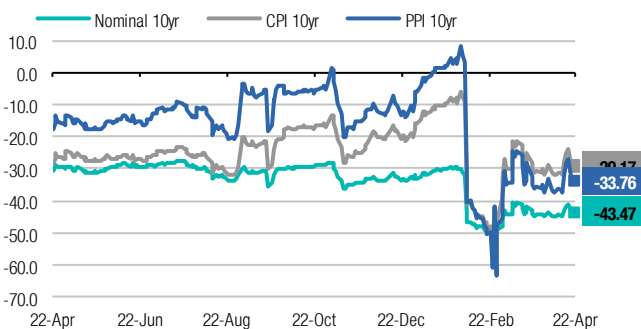


Note: The boxes indicate the last values of the depicted indicators.
Source: Investment Capital Ukraine LLC.

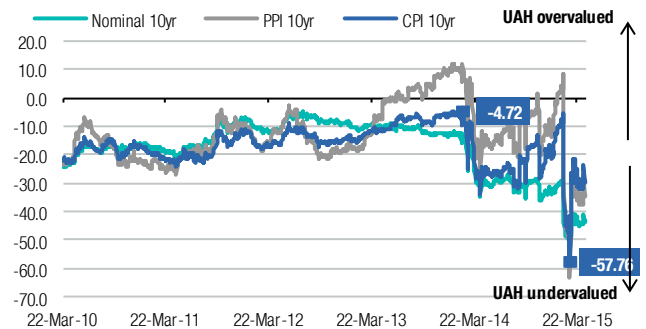


Note: the boxes indicate the high and low values of CPI-based TWI.
Source: Investment Capital Ukraine LLC.

Chart 16. Deviation of UAH trade-weighted indices from their 10-year moving averages: last 12-month and 5-year periods (% , left and right respectively)



Note: The boxes indicate the last values of the depicted indicators.
Source: Investment Capital Ukraine LLC.



Note: the boxes indicate the high and low values of CPI-based TWI.
Source: Investment Capital Ukraine LLC.

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Disclosures

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Buy: Forecasted 12-month total return greater than 20%

Hold: Forecasted 12-month total return 0% to 20%

Sell: Forecasted 12-month total return less than 0%

Note: total return is share price appreciation to a target price in relative terms plus forecasted dividend yield.

DEBT RATING DEFINITIONS

Buy: Forecasted 12-month total return significantly greater than that of relevant benchmark

Hold: Forecasted 12-month total return is in line with or modestly deviates from relevant benchmark

Sell: Forecasted 12-month total return significantly less than that of relevant benchmark



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