


INVESTMENT CAPITAL UKRAINE
 INVESTMENT BANKING

Daily Insight

Liquidity up; Yields up; HRY down on increased hostility

MONDAY, 16 JUNE, 2014

RESEARCH INSIGHT

Contents

Bonds: News & Comments	3
Liquidity recovers slightly.....	3
Yields up on negative news.....	3
Chart page: Local bond market & Eurobond markets.....	4
FX: News & Comments	5
The hryvnia weakens as the Russian standoff intensifies	5
Chart page #1: Foreign-exchange market.....	6
Chart page #2: ICU's UAH trade-weighted indices.....	7

UX Index (3 months to 16 Jun 2014)



Key market indicators (as of 13 Jun 2014)

	Last	Daily chg (%)	YTD chg (%)
FX & MONEY RATES			
USD/UAH	11.8000	+0.85	+43.20
USD/UAH (1Y NDF)	13.7050	+0.00	+45.49
EUR/USD	1.3540	-0.09	-1.48
USD/RUB	34.4080	+0.25	+4.68
KievPRIME O/N (%)	5.60	+50bp	-220bp
KievPRIME 1M (%)	16.90	-20bp	+65bp

BONDS: yields and spreads

Ukraine VAT bond (%)	N/A	-8,900bp	-8,900bp
Ukraine 17, Eurobond (%)	9.08	+32bp	-48bp
Ukraine 22, Eurobond (%)	8.86	+16bp	-48bp
Ukraine 23, Eurobond (%)	8.62	+11bp	-42bp
Ukraine 5Y CDS	819bp	+21bp	+2bp

EQUITIES

Stock market indices

UX (Ukraine)	1,235.59	-0.53	+35.77
MSCI World	425.12	+0.03	+4.06
MSCI EM	1,049.14	-0.53	+4.63
RTS (Russia)	N/A		
WIG-20 (Poland)	2,471.82	-0.18	+2.95
S&P 500 (USA)	1,936.16	+0.31	+4.75

MOST ACTIVE: Top 3 stocks by value traded (US\$m)

FXPO LN	1.64	26.1% of total ¹
KER PW	1.52	24.3%
AVGR LI	1.22	19.5%

GAINERS: Top 3 stocks (in listed currency)

CAD LN	GBp 9.50	+4.11	-8.43
IMC PW	PLN 10.15	+1.40	-16.46

LOSERS: Top 3 stocks (in listed currency)

Notes: Chg – percentage change, if not otherwise indicated; [1] – total traded volume for stocks listed in Table 1, pp. 2; green- or red-shaded box means gain or loss, respectively, of the index or security.

Sources: Bloomberg, UX, Investment Capital Ukraine LLC.

Table 1. Ukrainian stocks (closing prices as of 13-Jun-2014)

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)	2010	2011E	2012E	2010	2011E	2012E	2010	2011E	2012E	P/B (x)	Debt/Assets (%)
ENERGY																											
Cadogan Petrol...	CAD LN	London	9.50 GBP	+4.1	+4.1	-8.4	-42.0	0.16	37.3	-25.7	40.2	15.0	15.3	9.4	0.05	2,061	Neg.	Neg.	Neg.	3.9	8.0	16.1	Neg.	Neg.	Neg.	0.2	0.0
Centrenerg	CEEN UK	Kiev, UX	7.37 UAH	-1.2	+23.7	+54.5	+59.1	0.62	230.8	284.6	21.7	50.1	544.5	205.6	0.50	200	5.6	5.0	3.5	0.5	3.8	2.2	0.5	0.4	0.3	1.1	12.2
Coal Energy	CLE PW	Warsaw	1.31 PLN	-2.2	+9.2	+24.8	-65.4	0.43	19.3	113.6	25.0	4.8	11.9	100.2	0.87	114	Neg.	Neg.	4.8	5.0	14.2	3.9	0.9	1.1	1.0	0.2	39.8
Donbasenergo	DOEN UK	Kiev, UX	41.42 UAH	-0.6	-1.0	+50.1	+84.3	3.51	83.1	123.4	14.2	11.8	96.8	47.2	0.50	202	1.8	2.0	2.3	0.5	1.8	1.3	0.3	0.2	0.2	1.5	17.8
JKX Oil & Gas	JKX LN	London	59.38 GBP	-0.6	+1.5	-17.0	+15.9	1.01	173.4	179.9	47.2	81.9	22.0	75.3	0.04	2,353	26.7	15.3	6.2	2.7	2.2	2.0	1.0	0.9	0.8	0.4	5.5
Regal Petroleum	RPT LN	London	8.75 GBP	+0.0	-1.4	-32.7	-55.7	0.15	47.7	20.9	80.9	38.6	0.0	4.8	0.01	15,588	Neg.	23.9	N/A	0.9	0.8	N/A	0.6	0.5	N/A	0.2	0.0
Zakhidenergo	ZAEN UK	Kiev, PFTS	153.00 UAH	+0.0	+12.8	+69.2	+91.3	12.98	166.0	143.4	5.0	8.3	24.7	3.0	0.02	4,131	3.4	N/A	N/A	0.9	N/A	N/A	0.1	N/A	N/A	3.8	0.0
METALLURGY																											
Alchevsky Meta...	ALMK UK	Kiev, UX	0.04 UAH	-1.1	+18.9	-3.1	-13.8	0.00	82.2	1,272.8	3.9	3.2	37.3	13.8	0.56	178	Neg.	Neg.	N/A	N/A	Neg.	N/A	1.0	0.7	N/A	N/A	64.5
Avdiyivsky Cok...	AVDK UK	Kiev, UX	3.32 UAH	+0.0	+10.5	+12.1	+0.4	0.28	54.9	51.8	4.0	2.2	167.2	19.9	1.37	73	Neg.	30.1	0.8	Neg.	1.0	0.4	0.1	0.1	0.0	0.1	0.0
Azovstal	AZST UK	Kiev, UX	0.76 UAH	-0.1	+9.5	+14.0	+23.2	0.06	272.4	265.3	4.1	11.2	12.9	14.6	0.18	545	Neg.	N/A	Neg.	Neg.	N/A	7.5	0.1	N/A	0.1	0.2	0.0
Ferrexpo PLC	FXPO LN	London	129.40 GBP	-2.5	-9.0	-30.4	-13.2	2.20	1,295.5	1,956.7	22.4	290.2	1,639.0	1,709.7	0.56	178	4.9	5.4	6.3	3.9	4.3	4.7	1.2	1.3	1.3	0.8	35.1
Yasynivsky Cok...	YASK UK	Kiev, UX	0.72 UAH	-2.0	+20.0	+35.8	+20.0	0.06	16.7	17.9	9.0	1.5	3.7	4.9	0.73	137	Neg.	1.4	0.8	0.1	0.7	0.5	0.1	0.0	0.0	0.1	0.1
Yenakievo Steel	ENMZ UK	Kiev, UX	43.98 UAH	-4.3	+29.7	+37.4	+21.5	3.73	39.4	34.9	9.4	3.7	23.4	15.7	0.57	176	6.7	N/A	Neg.	Neg.	N/A	1.0	0.0	N/A	0.0	1.1	0.0
FOOD AND AGRIBUSINESS																											
AgroGeneration	ALAGR FP	EN Paris	1.08 EUR	-5.3	+9.1	-12.9	-30.8	1.46	135.2	162.0	34.0	46.0	36.4	40.8	0.08	1,308	Neg.	N/A	N/A	Neg.	N/A	N/A	2.2	N/A	N/A	1.2	35.9
Agroliga	AGL PW	Warsaw	19.50 PLN	-4.4	+9.6	-24.8	+6.0	6.38	9.8	10.7	16.7	1.6	8.8	7.3	0.31	318	2.3	N/A	N/A	3.1	N/A	N/A	0.5	N/A	N/A	0.8	5.7
Agroton	AGT PW	Warsaw	2.90 PLN	-2.4	+24.5	+48.7	+6.2	0.95	20.6	65.9	26.2	5.4	212.4	316.2	3.34	30	Neg.	2.9	2.6	24.6	6.9	4.1	0.8	0.8	0.8	0.2	28.4
Astarta Holdin...	AST PW	Warsaw	46.90 PLN	-0.3	+17.6	-29.9	-28.9	15.35	383.6	700.0	31.0	119.0	3.7	198.5	0.16	624	11.0	8.4	5.4	9.2	5.3	5.7	1.4	1.4	1.3	1.1	38.2
Avangard	AVGR LI	London Intl	9.70 USD	-3.0	+9.6	-17.4	+5.4	9.70	619.6	850.5	21.7	134.4	1,222.7	224.2	0.14	725	2.6	2.7	2.6	2.8	2.9	2.9	1.3	1.1	1.1	0.0	17.8
IMC	IMC PW	Warsaw	10.15 PLN	+1.4	+21.4	-16.5	-28.7	3.32	103.9	229.2	23.9	24.8	145.2	72.6	0.38	262	4.0	4.0	2.2	4.2	4.0	3.2	2.0	1.2	0.9	0.7	38.7
Kernel Holding...	KER PW	Warsaw	33.76 PLN	-0.6	+27.3	-11.3	-35.1	11.05	880.2	1,903.4	58.8	517.3	1,524.5	4,007.7	0.99	101	7.9	17.0	5.7	6.5	7.3	5.6	0.7	0.8	0.7	0.7	30.6
MHP	MHPC LI	London Intl	14.90 USD	-0.7	+2.1	-12.6	-18.9	14.90	1,574.4	2,735.3	22.3	351.4	96.0	1,587.7	0.26	389	10.1	5.8	5.3	7.0	5.6	5.3	1.8	1.8	1.6	2.7	19.6
Mriya Agrohold...	MAYA GF	Frankfurt	4.66 EUR	+0.0	-4.9	-13.7	+9.8	6.32	671.0	1,402.9	20.0	134.2	7.6	13.6	0.02	5,452	3.8	4.7	7.7	6.1	5.5	5.2	4.0	3.8	3.3	0.8	34.8
Ovostar Union	OVO PW	Warsaw	71.00 PLN	-0.5	+8.9	-29.0	-16.5	23.23	139.4	148.2	25.0	34.8	6.3	17.5	0.08	1,254	4.6	6.9	6.8	4.0	5.6	5.1	1.6	1.7	1.4	1.0	8.5
CONSTRUCTION																											
TMM	TR61 GF	Xetra	0.22 EUR	+0.0	+53.6	-32.2	-54.3	0.29	15.1	174.4	13.1	2.0	1.6	0.2	0.01	9,800	Neg.	N/A	N/A	Neg.	N/A	N/A	8.0	N/A	N/A	0.1	44.1
FINANCIAL SERVICES																											
Forum Bank	FORM UK	Kiev, UX	0.51 UAH	-7.5	-19.2	-33.0	-7.3	0.04	25.6	N/A	5.5	1.4	0.7	1.0	0.10	1,024	Neg.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.2	18.6
Raiffeisen Ban...	BAVL UK	Kiev, UX	0.16 UAH	-0.7	+0.7	+39.0	+55.0	0.01	401.2	N/A	3.8	15.3	353.0	72.2	0.74	135	4.7	Neg.	13.3	N/A	N/A	N/A	N/A	N/A	N/A	0.7	28.3
UkrSotsbank	USCB UK	Kiev, UX	0.17 UAH	-0.8	+11.4	-9.1	+42.0	0.01	262.2	N/A	4.5	11.7	57.1	5.2	0.08	1,285	Neg.	14.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.3	30.9

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; *** -- means that P/E ratio is above 10,000x.

Sources: Bloomberg, Investment Capital Ukraine LLC.

Bonds: News & Comments

Liquidity recovers slightly

Broader banking sector liquidity rose UAH0.88bn last Friday to UAH40.43bn, to above UAH40.0bn following the previous day's low for the month. Broader liquidity rose due to the UAH1.10bn increase in banks' correspondent accounts with the NBU to UAH29.24bn and the slight UAH0.22bn decline in total CDs outstanding to UAH6.81bn. Total local currency debt repayments scheduled for the next 30 days remained steady at UAH4.37bn.

KyivPrime interest rates slightly diverged: the KyivPrime ON interest rate rose 50bp to 5.60% while the KyivPrime 1M interest rate slid 20bp to 16.90%.

Investment implications: Last Thursday, only a slight reallocation of funds from CDs to banks' accounts occurred, having little impact on liquidity. The NBU withheld support, maintaining its volume of ON loans. The increase in liquidity could be the result of FX sales received by banks from the MoF following last Wednesday's debt repayments.

Taras Kotovych, Kiev, +38044 2200120 ext.244

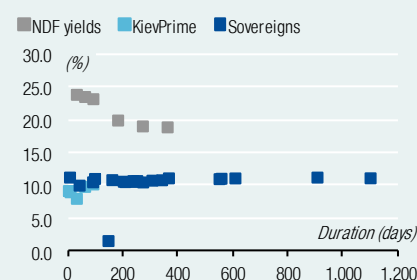
Yields up on negative news

Negative news of uncertain Naftogaz gas talks and escalating chaos in eastern Ukraine continued to pressure Ukrainian Eurobonds. Ukraine's prime minister informed Ukrainian authorities to prepare for the gas supply from Russia to be shut off today, indicating that the new administration is adamant about refusing desperate measure compromises as the deadline in gas talks looms. If the matter is not settled quickly, Naftogaz could be investigated and have its finances frozen, particularly since the company nearly defaulted on a coupon payment last year and has an upcoming Eurobond redemption. At Friday's close, the yield curve adjusted to the range of 8.62-9.32%, as UKRAIN 6.875% '15 rose 25bp to 9.01%, UKRAIN 9.25% '17 was up 27bp to 9.32%, UKRAIN 7.95% '21 rose 35bp to 8.74% and UKRAIN 7.80% '22 rose 20bp to 9.06%, while UKRAIN 7.50% '23 rose less significantly, just 15bp to 8.77%. The 5-year CDS rose to 819bp.

Taras Kotovych, Kiev, +38044 2200120 ext.244

Yield curve of the local bond market

(as of market close on 13 Jun 2014)



Sources: Bloomberg, Investment Capital Ukraine LLC.

Bond market indicators (as of 13 Jun 2014)

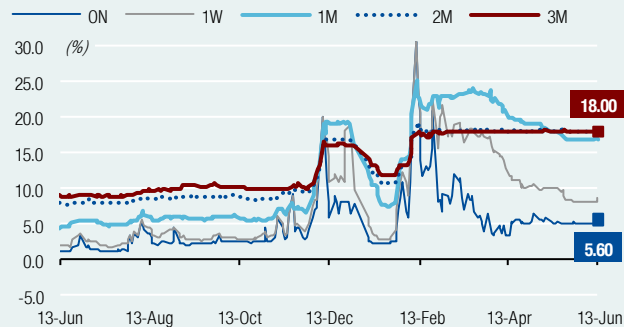
	Last	Daily	Weekly	MoM	YTD
		chg (%)	chg (%)	chg (%)	chg (%)
MONEY MARKET KIEV PRIME RATES (%)					
0/n	5.60	+50bp	+54bp	+35bp	-220bp
1wk	8.56	+44bp	+50bp	-144bp	-124bp
1m	16.90	-20bp	+2bp	-110bp	+65bp
2m	18.00	-10bp	+0bp	-25bp	+160bp
3m	18.00	-10bp	+0bp	-13bp	+200bp
LIQUIDITY WIDE MEASUREMENT (UAHm)					
CB acc's ¹	29,245	+3.92	-4.09	+1.07	-10.57
CDs ²	12,102	+2.71	-21.64	-1.72	+696.2
Sovgns ³	4,183	+0.00	-16.61	-25.21	+179.8
Total	45,529	+3.23	-10.64	-2.80	+27.47
HOLDERS OF UAH SOVEREIGN BONDS (UAHm)					
C.bank	185,665	+0.00	-0.85	+6.21	+28.18
Banks	84,278	+0.03	-4.17	-2.57	+5.13
Resid's ⁴	10,250	+0.70	-8.26	-4.52	-17.32
Non-res ⁵	16,000	+0.17	-0.76	-0.80	+36.77
Total	296,193	+0.04	-2.09	+2.78	+18.90
NDF IMPLIED YIELDS (%)					
3m	15.84	-356bp	-651bp	-503bp	+370bp
6m	16.48	-185bp	-336bp	-426bp	+308bp
9m	16.57	-128bp	-231bp	-368bp	+255bp
1yr	16.78	-99bp	-147bp	-295bp	+179bp
LOCAL CURRENCY UAH SOVEREIGN BOND YIELDS (%)					
Mar '13	N/A	-52ppt	+0bp	+0bp	+0bp
Jan '14	N/A	+320bp	+0bp	+0bp	-676bp
Aug '15 ⁶	N/A	-89ppt	+0bp	+0bp	-89ppt
EUROBONDS USD SOVEREIGN BOND YIELDS (%)					
CDS 5yr	819	+21bp	+43bp	-335bp	+2bp
Jun '16	8.81	+77bp	-25bp	-567bp	-8bp
Jul '17	9.08	+32bp	-32bp	-438bp	-48bp
Sep '20	8.50	+19bp	-33bp	-242bp	-69bp
Sep '21	8.40	+8bp	-50bp	-258bp	-82bp
Sep '22	8.86	+16bp	-22bp	-167bp	-48bp
Feb '23	8.62	+11bp	-9bp	-155bp	-42bp

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



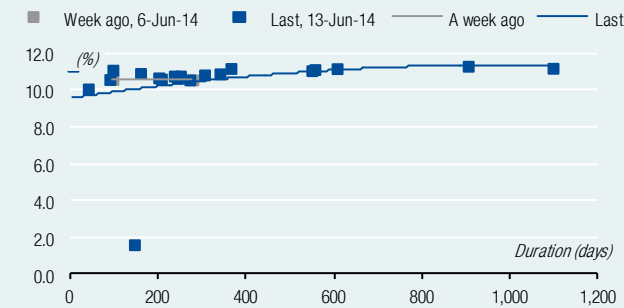
Sources: Bloomberg, Investment Capital Ukraine LLC.

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



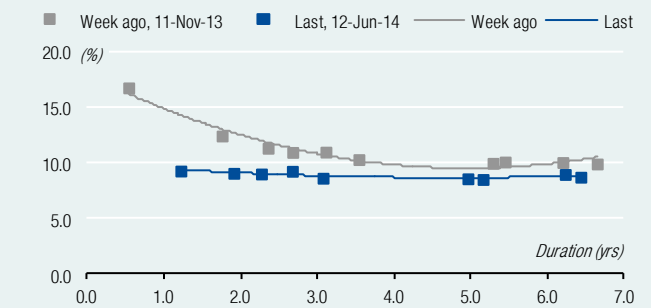
Sources: Bloomberg, Investment Capital Ukraine LLC.

Chart 3. UAH sovereign yield curve (%) as of 13 Jun 2014



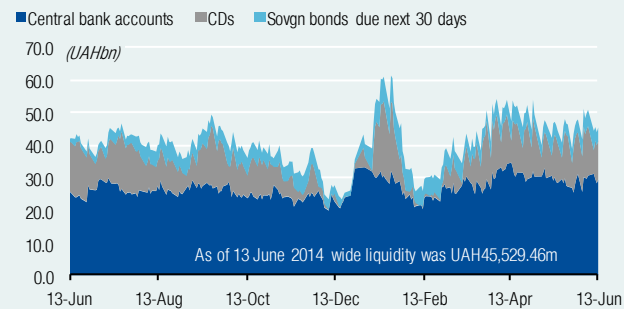
Sources: Bloomberg, Investment Capital Ukraine LLC.

Chart 4. USD sovereign yield curve (%) as of 13 Jun 2014



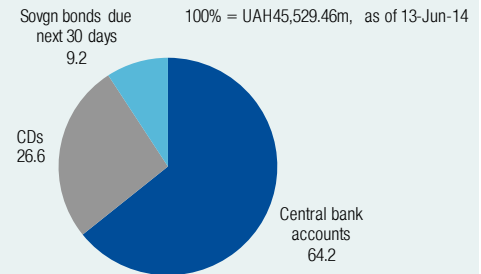
Sources: Bloomberg, Investment Capital Ukraine LLC.

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



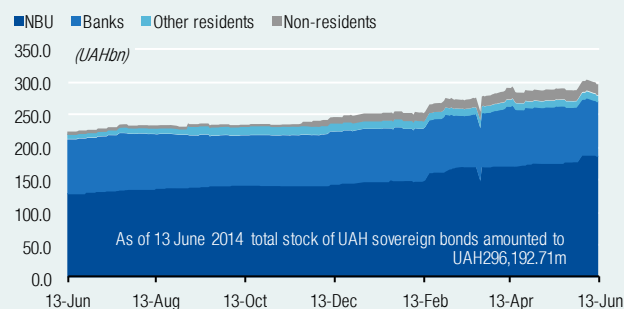
Sources: National Bank of Ukraine, Ministry of Finance of Ukraine, ICU.

Chart 6. Breakdown of liquidity pool (%) as of 13 Jun 2014



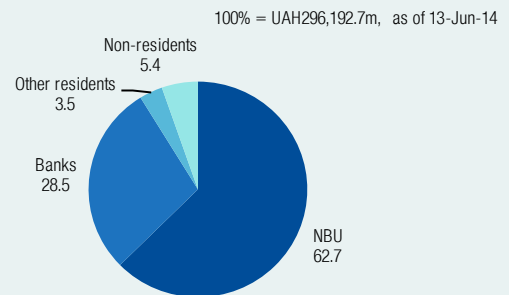
Sources: National Bank of Ukraine, Ministry of Finance of Ukraine, ICU.

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 13 Jun 2014



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

FX: News & Comments

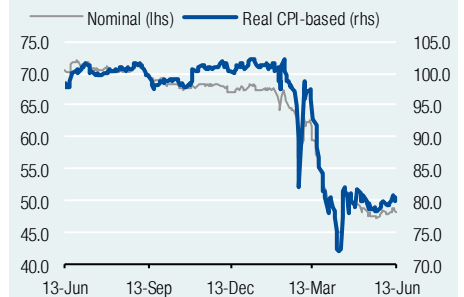
The hryvnia weakens as the Russian standoff intensifies

With last week's armament of pro-Kremlin militants by Russia and the early Saturday morning shooting down of a Ukrainian army aircraft that resulted in the deaths of nearly 50 soldiers onboard, the Kremlin continues to undermine Ukraine's stability. Rather than concede to compromise, President Poroshenko issued a definitive statement that Ukraine's army will continue to fight until Donbass and all of Ukraine is restored to normalcy. The hryvnia is expected to remain weak at 12/USD, despite its being overly devalued in March-April. It declined 0.85% to 11.8000/USD on US\$233.90m in trading, resulting in a 0.70% decline of the real trade-weighted index (-21.03% YTD).

Alexander Valchyshen, Kiev, +38044 2200120 ext.242

ICU's UAH trade-weighted indices

(Last 12-month history to 16 Jun 2014)



Source: Investment Capital Ukraine LLC.

FX market indicators (as of 13 Jun 2014)

	Last	Daily	Weekly	MoM	YTD
	chg (%)	chg (%)	chg (%)	chg (%)	chg (%)
USD/UAH MARKET (HRYVNIA per US DOLLAR)					
Spot mkt	11.8000	+0.85	+0.21	-0.34	+43.20
NBU avg	11.7288	+0.64	-0.82	+0.71	+43.90
Ttl vlm ¹	307.19	-4.39	-23.56	-21.45	-89.04
\$ volume ²	233.90	-0.53	-28.37	+0.17	-89.42
NDF 3M	12.2600	+0.00	-1.33	-1.53	+44.49
NDF 6M	12.7550	+0.00	-1.32	-2.26	+45.27
NDF 1Y	13.7050	+0.00	-1.05	-2.80	+45.49
TRADE-WEIGHTED INDICES (TWIs, points)					
UAH nom'l	48.234	-0.70	+0.18	+0.48	-28.58
UAH real CPI	79.817	-0.70	+0.18	+0.48	-21.03
UAH real PPI	114.427	-0.70	+0.18	+0.48	-17.55
USD nom'l	80.576	+0.00	+0.21	+0.54	+0.68
FX RATES OF KEY CURRENCIES THAT SHAPE UAH's TWIs					
USD/RUB	34.4080	+0.25	-0.02	-1.24	+4.68
EUR/USD	1.3540	-0.09	-0.75	-1.20	-1.48
USD/CNY	6.2108	-0.13	-0.64	-0.29	+2.58
USD/PLN	3.0419	+0.16	+1.31	-0.37	+0.63
USD/TRY	2.1195	+0.37	+2.02	+2.48	-1.34
USD/BYR	10,190.00	+0.00	+0.49	+1.39	+6.81
USD/KZT	183.5400	+0.01	-0.01	+0.81	+18.97
OTHER MAJOR CURRENCIES					
USD/JPY	102.0400	+0.33	-0.43	-0.22	-3.11
GBP/USD	1.6968	+0.23	+0.99	+0.84	+2.48
USD/CHF	0.9001	+0.18	+0.73	+1.11	+0.81
AUD/USD	0.9402	-0.25	+0.74	+0.45	+5.44
USD/CAD	1.0855	-0.01	-0.70	-0.45	+2.18
USD/BRL	2.2243	-0.31	-1.02	+0.42	-5.83
USD/KRW	1,017.88	+0.03	-0.25	-0.42	-3.04
COMMODITIES					
Gold(\$/oz)	1,276.89	+0.27	+1.89	-1.29	+5.91
WTI crude ³	106.91	+0.36	+4.14	+5.12	+8.63
Brent crd ³	112.66	+0.05	+3.26	+3.50	+1.66
Urals crd ³	N/A	+0.00	+0.00	+0.00	+0.00
TR/J CRB ⁴	309.98	+0.44	+1.55	+1.05	+10.64

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

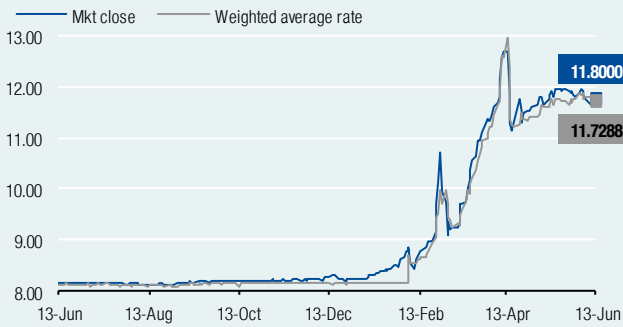
Section on FX market is continued on next page.

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.

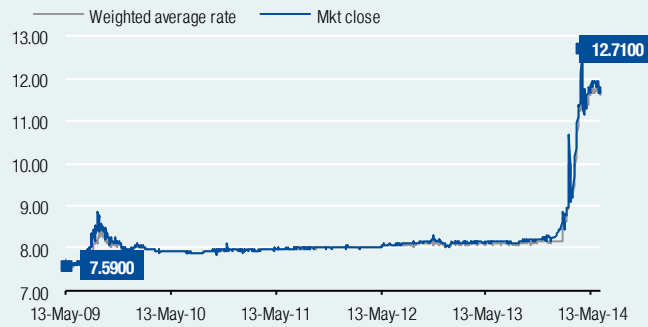
Sources: Bloomberg, Investment Capital Ukraine LLC.

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)

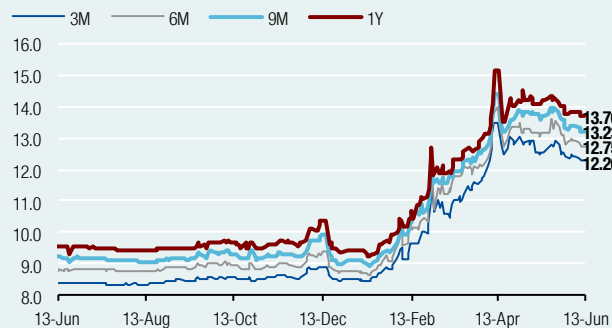


Sources: National Bank of Ukraine, Bloomberg, Investment Capital Ukraine LLC.

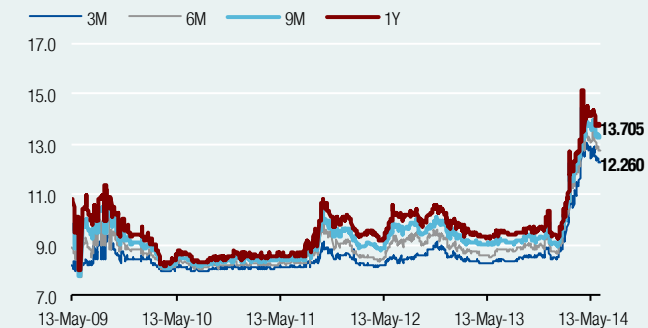


Sources: National Bank of Ukraine, Investment Capital Ukraine LLC.

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

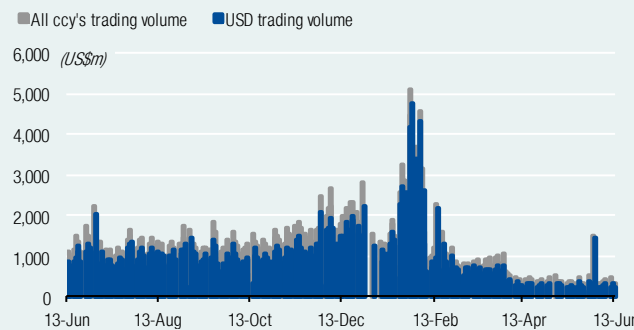


Sources: National Bank of Ukraine, Investment Capital Ukraine LLC.

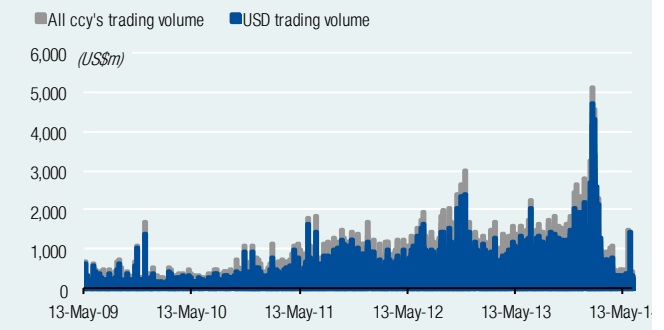


Sources: National Bank of Ukraine, Investment Capital Ukraine LLC.

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

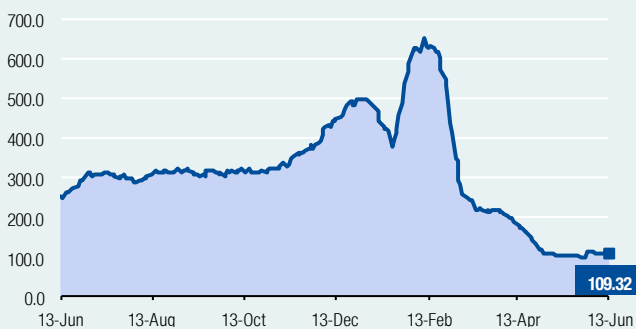


Sources: National Bank of Ukraine, Bloomberg, Investment Capital Ukraine LLC.



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)

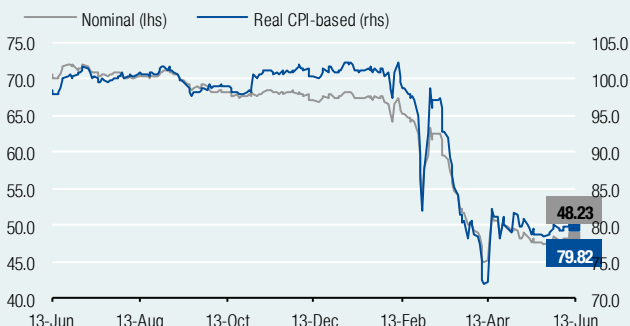


Note: * 30-day moving average; The boxes of the right chart show high and low values. Sources: NBU, State Statistics Service of Ukraine, Bloomberg, Investment Capital Ukraine LLC.

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

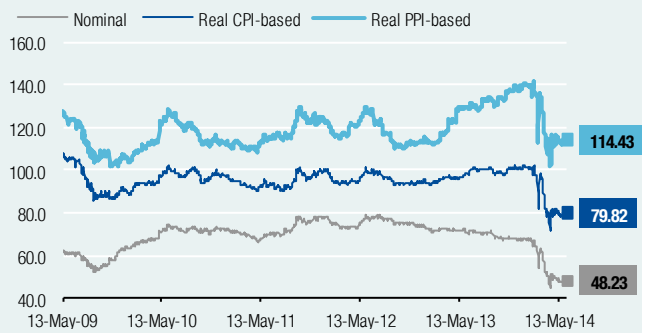
The following charts depict ICU's Ukrainian hryvnia trade-weighted indices which were calculated in accordance with methodology published in the [Quarterly Report "Keep the music playing"](#) dated 31 January 2013 and, then, updated, in the [Quarterly Report "Muddling through no more"](#) dated 14 August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

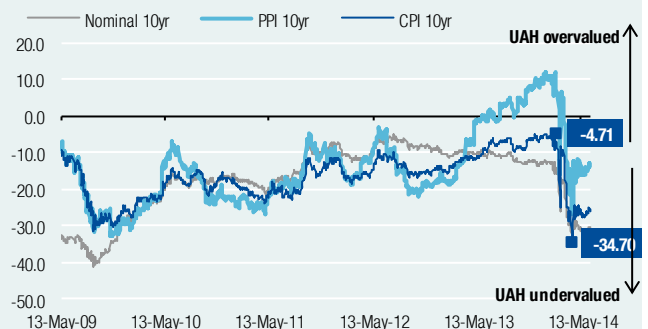


Note: the boxes indicate the high and low values of CPI-based TWI.
Source: Investment Capital Ukraine LLC.

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.

This page is intentionally left blank

Disclosures

ANALYST CERTIFICATION

This research publication has been prepared by the analyst(s), whose name(s) appear on the front page of this publication. The analyst(s) hereby certifies that the views expressed within this publication accurately reflect her/his own views about the subject financial instruments or issuers and no part of her/his compensation was, is, or will be directly or indirectly related to the inclusion of specific recommendations or views within this research publication.

EQUITY RATING DEFINITIONS

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



INVESTMENT CAPITAL UKRAINE
INVESTMENT BANKING

Office 44, 11th floor, LEONARDO Business Centre
19-21 Bogdan Khmelnytsky Street
Kiev, 01030 Ukraine
Phone/Fax +38 044 2200120

CHAIRMAN OF THE BOARD OF DIRECTORS

Valeria Gontareva
valeria.gontareva@icu.ua

CORPORATE FINANCE TEL. +38 044 2200120

Makar Paseniuk, Managing Director
makar.paseniuk@icu.ua

Volodymyr Demchyshyn, Director
volodymyr.demchyshyn@icu.ua

Ruslan Kilmukhametov, Director
ruslan.kilmukhametov@icu.ua

SALES AND TRADING TEL. +38 044 2201621

Konstantin Stetsenko, Managing Director
konstantin.stetsenko@icu.ua

Sergiy Byelyayev, Fixed-Income Trading
sergiy.byelyayev@icu.ua

Vitaliy Sivach, Fixed-Income & FX Trading
vitaliy.sivach@icu.ua

Vlad Sinani, Director,
Strategy and Corporate Development
vlad.sinani@icu.ua

Julia Pecheritsa,
Ukraine and CIS International Sales
julia.pecheritsa@icu.ua

Yevgeniya Gryshchenko,
Fixed-Income Sales
yevgeniya.gryshchenko@icu.ua

RESEARCH DEPARTMENT TEL. +38 044 2200120

Alexander Valchyshen
Head of Research
alexander.valchyshen@icu.ua

Alexander Martynenko
Head of corporate research
alexander.martynenko@icu.ua

Bogdan Vorotilin
Financial analyst (Food & Agribusiness)
bogdan.vorotilin@icu.ua

Taras Kotovych
Senior financial analyst (Sovereign debt)
taras.kotovych@icu.ua

Mykhaylo Demkiv
Financial analyst (Banks)
mykhaylo.demkiv@icu.ua

Lee Daniels, Rolfe Haas
Editors

Investment Capital Ukraine LLC is regulated by Securities and Stock Market State Commission of Ukraine (license numbers: dealer activity AE 263019, broker activity AE 263018, underwriting activity AE 263020 dated 11 April 2013).

DISCLAIMER

This research publication has been prepared by Investment Capital Ukraine LLC solely for information purposes for its clients. It does not constitute an investment advice or an offer or solicitation for the purchase or sale of any financial instrument. While reasonable care has been taken to ensure that the information contained herein is not untrue or misleading at the time of publication, Investment Capital Ukraine makes no representation that it is accurate or complete. The information contained herein is subject to change without notice. Copyright and database rights protection exists in this report and it may not be reproduced, distributed or published by any person for any purpose without the prior express consent of Investment Capital Ukraine LLC. All rights are reserved. Any investments referred to herein may involve significant risk, are not necessarily available in all jurisdictions, may be illiquid and may not be suitable for all investors. The value of, or income from, any investments referred to herein may fluctuate and/or be affected by changes in exchange rates. Past performance is not indicative of future results. Investors should make their own investigations and investment decisions without relying on this report. Only investors with sufficient knowledge and experience in financial matters to evaluate the merits and risks should consider an investment in any issuer or market discussed herein and other persons should not take any action on the basis of this report.



Additional information is available upon request.