Focus	Scope	Research team
Ukraine	**Economics, bonds, equity & FX markets**	**Alexander Valchyshen** **Taras Kotovych**

Daily Insight

UAH weakens visibly

THURSDAY, 19 MARCH 2015

Contents

UX Index (3 months to 19 Mar 2015)

Source: UX.

Key market indicators (as of 18 Mar 2015)

	Last	Daily chg (%)	YTD chg (%)
FX & MONEY RATES			
USD/UAH	23.4500	+4.80	+48.23
USD/UAH (1Y NDF)	27.2900	+4.00	+47.91
EUR/USD	1.0864	+2.52	-10.20
USD/RUB	59.4480	-3.26	-2.12
KievPRIME O/N (%)	23.00	-100bp	+410bp
KievPRIME 1M (%)	27.20	-205bp	+730bp
SOVEREIGN EUROBONDS: yields and spreads			
Ukraine 15, Eurobond (%)	259.72	+1,817bp	+19,795bp
Ukraine 17, Eurobond (%)	58.23	+16bp	+3,047bp
Ukraine 22, Eurobond (%)	27.15	+48bp	+1,090bp
Ukraine 23, Eurobond (%)	24.55	-26bp	+899bp
Ukraine 5Y CDS	4,679bp	-63bp	+2,480bp
EQUITIES			
Stock market indices			
UX (Ukraine)	1,079.73	-0.83	+4.49
MSCI World	426.85	+0.98	+2.33
MSCI EM	956.73	+0.81	+0.04
RTS (Russia)	841.05	+2.22	+6.85
WIG-20 (Poland)	2,344.36	+0.60	+1.23
S&P 500 (USA)	2,099.50	+1.22	+1.97

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.

Economics: News & Comments

State statistics report shows recession extended

In the second portion released yesterday of the State's official monthly statistics report of key economic sectors, industrial production in January-February versus the same period last year declined even more dramatically than the other sectors, extending the overall contraction to 22.5% YoY. In seasonally adjusted terms, the industrial sector declined 1.7% in February. While construction fell 18.6% in 2M15 versus 2M14, it rose 2.6% in February from January in seasonally adjusted terms. Overall, real GDP in 1Q15 could be as weak as it was in 4Q14, indicating that the recession is deepening.

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Bonds: News & Comments

Liquidity reallocation

The NBU absorbed extra liquidity from banks' correspondent accounts with the NBU as total CDs outstanding increased UAH2.62bn to UAH21.97bn yesterday while banks' correspondent accounts with the NBU fell UAH2.02bn to UAH31.27bn. As total local currency debt repayments scheduled for the next 30 days remained steady, broader banking sector liquidity rose UAH0.61bn to UAH64.89bn.

KyivPrime interest rates declined: the KyivPrime ON interest rate declined 100bp to 23.00% while the KyivPrime 1M interest rate fell 205bp to 27.20%.

Investment implications: While the NBU's attempts to decrease liquidity and its impact on the FX market resulted in higher total CDs outstanding, banks' correspondent accounts with the NBU did not fall below UAH30bn. Yesterday's UAH1.46bn in local currency debt repayments could cause broader liquidity to decline, but banks with available funds could provide support.

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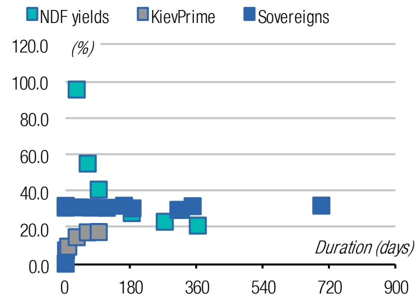
Yield curve of the local bond market
(as of market close on 18 Mar 2015)



Sources: Bloomberg, Investment Capital Ukraine LLC.

Bond market indicators (as of 18 Mar 2015)

	Last	Daily chg (%)	Weekly chg (%)	MoM chg (%)	YTD chg (%)
MONEY MARKET KIEV PRIME RATES (%)					
O/n	23.00	-100bp	-20bp	+600bp	+410bp
1wk	24.30	-70bp	-30bp	+580bp	+530bp
1m	27.20	-205bp	+20bp	+445bp	+730bp
2m	26.40	-110bp	+80bp	+477bp	+640bp
3m	26.40	-85bp	+80bp	+477bp	+640bp
LIQUIDITY WIDE MEASUREMENT (UAHm)					
CB acc's[1]	N/A	N/A	N/A	N/A	N/A
CDs[2]	N/A	N/A	N/A	N/A	N/A
Sovgns[3]	N/A	N/A	N/A	N/A	N/A
Total	**N/A**	N/A	N/A	N/A	N/A
HOLDERS OF UAH SOVEREIGN BONDS (UAHm)					
C.bank	340,933	+0.01	+0.91	+1.29	+7.17
Banks	106,222	-1.65	-1.72	-12.21	+13.69
Resid's[4]	26,378	+0.39	-9.61	-8.74	+7.44
Non-res[5]	26,248	+1.82	+2.06	-17.35	+21.84
Total	**499,781**	-0.23	-0.21	-3.56	+9.21
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	-52ppt	+0bp	+0bp	+0bp
Jan '14	N/A	+320bp	+0bp	+0bp	+0bp
Aug '15[6]	32.39	+151bp	+17bp	+0bp	+810bp
EUROBONDS USD SOVEREIGN BOND YIELDS (%)					
CDS 5yr	4,679	-63bp	+11bp	+15bp	+25bp
Jun '16	105.82	+397bp	+19bp	+38bp	+69bp
Jul '17	58.23	+16bp	+708bp	+11bp	+30bp
Sep '20	32.21	+60bp	+261bp	+460bp	+13bp
Sep '21	31.27	+57bp	+421bp	+481bp	+13bp
Sep '22	27.15	+48bp	+355bp	+388bp	+11bp
Feb '23	24.55	-26bp	+232bp	+204bp	+899bp

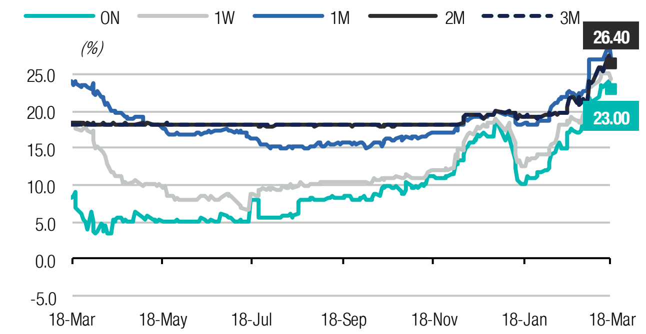
Notes: [1] banks' account balance at NBU; [2] certificates of deposits issued by NBU; [3] UAH sovereign bonds due next 30 days; [4] residents; [5] non-residents; [6] VAT bond.

Sources: Bloomberg, Investment Capital Ukraine LLC.

Section on Bond market is continued on next page.

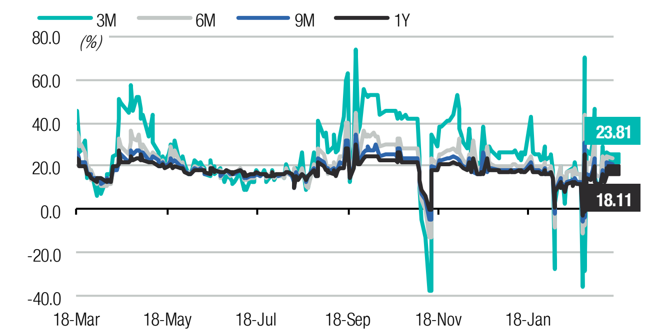
Chart page: Local bond market & Eurobond markets

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



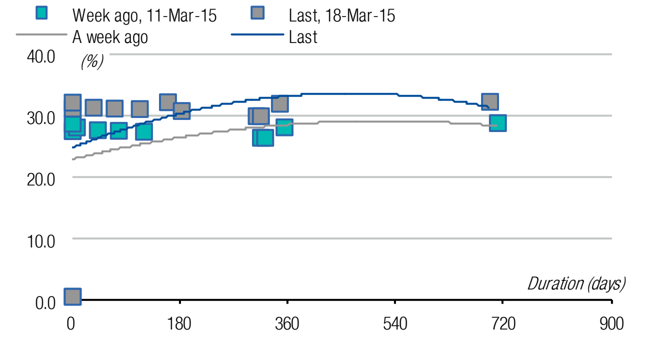
Sources: Bloomberg, Investment Capital Ukraine LLC.

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



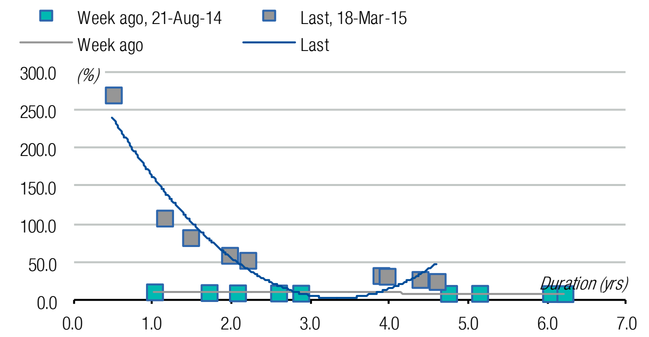
Sources: Bloomberg, Investment Capital Ukraine LLC.

Chart 3. UAH sovereign yield curve (%) as of 18 Mar 2015



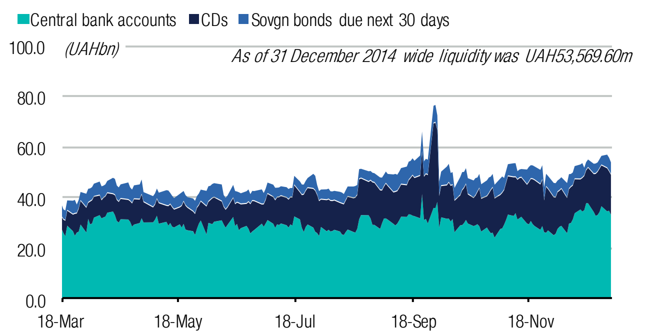
Sources: Bloomberg, Investment Capital Ukraine LLC.

Chart 4. USD sovereign yield curve (%) as of 18 Mar 2015



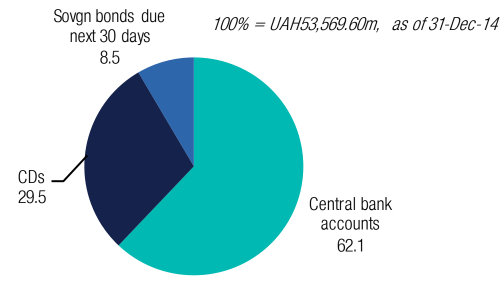
Sources: Bloomberg, Investment Capital Ukraine LLC.

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



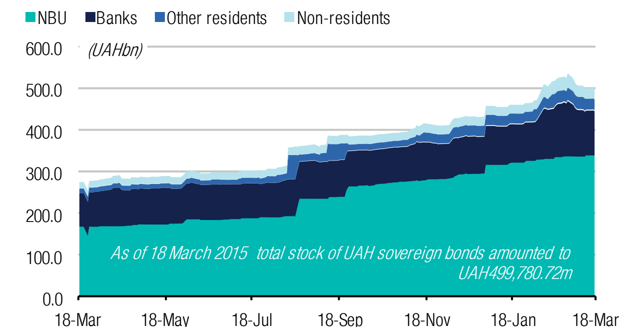
Sources: National Bank of Ukraine, Ministry of Finance of Ukraine, ICU.

Chart 6. Breakdown of liquidity pool (%) as of 18 Mar 2015



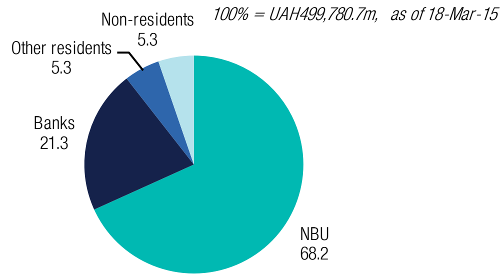
Sources: National Bank of Ukraine, Ministry of Finance of Ukraine, ICU.

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 18 Mar 2015



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

Table 1. Ukrainian stocks (closing prices as of 18-Mar-2015)

Company	Bloomberg Ticker	Listing	Last price	Share price performance (% change): Daily	MoM	YTD	YoY	Valuation (US$): Last price	Market cap (m)	EV (m)	Free float (FF) & Liquidity: FF (%)	FF mkt cap (US$m)	Last day turnover (US$ 000)	3M avg. turnover (US$ 000)	FF share traded (%)	FF turnover (days)	P/E: 2014	2015E	2016E	EV/EBITDA: 2014	2015E	2016E	EV/Sales: 2014	2015E	2016E	Ratios: P/B (x)	Debt/ Assets (%)
ENERGY																											
Cadogan Petrol...	CAD LN	London	**9.00 GBp**	-4.0	-7.7	-10.0	-6.5	0.13	30.9	-16.7	40.2	12.4	28.2	8.1	0.05	2,007	Neg.	N/A	N/A	2.5	N/A	N/A	Neg.	N/A	N/A	0.2	0.0
Centrenergo	CEEN UK	Kiev, UX	**8.19 UAH**	+0.5	+9.9	+8.6	+57.5	0.36	131.5	123.3	21.7	28.5	40.7	36.4	0.16	645	6.2	6.2	Neg.	0.2	3.1	Neg.	0.4	0.2	0.3	1.2	16.3
Coal Energy	CLE PW	Warsaw	**0.65 PLN**	+0.0	-4.4	+4.8	-58.9	0.17	7.6	84.6	25.0	1.9	2.9	5.9	0.22	454	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	**23.95 UAH**	-3.9	-20.9	-27.4	-36.1	1.04	24.6	59.1	14.2	3.5	0.7	5.6	0.24	413	1.1	0.7	4.3	0.1	1.1	2.3	0.2	0.1	0.4	0.9	25.1
JKX Oil & Gas	JKX LN	London	**35.50 GBp**	+0.0	+39.2	+195.8	-43.0	0.53	90.9	96.0	47.2	42.9	2.8	553.5	1.97	51	14.0	227.2	Neg.	1.4	1.9	1.9	0.5	0.6	0.7	0.2	5.5
Regal Petroleum	RPT LN	London	**4.25 GBp**	+0.0	-5.7	+35.8	-61.4	0.06	20.2	-9.9	80.9	16.4	0.0	3.6	0.02	6,297	Neg.	10.1	N/A	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	0.2	0.0
Sadova Group	SGR PW	Warsaw	**0.31 PLN**	+0.0	-60.8	-60.8	-64.0	0.08	3.5	43.4	25.0	0.9	1.0	1.2	0.52	192	Neg.	N/A	N/A	Neg.	N/A	N/A	21.1	N/A	N/A	0.2	54.9
Zakhidenergo	ZAEN UK	Kiev, PFTS	**170.20 UAH**	+5.2	+3.7	+14.9	+41.8	7.40	94.6	102.9	5.0	4.7	14.9	0.9	0.03	2,993	3.8	N/A	N/A	0.7	N/A	N/A	0.2	N/A	N/A	1.5	0.0
METALLURGY																											
Alchevsky Meta...	ALMK UK	Kiev, UX	**0.01 UAH**	-4.9	-2.9	-6.2	-62.7	0.00	15.2	1,260.4	3.9	0.6	0.2	0.9	0.07	1,335	Neg.	Neg.	N/A	Neg.	Neg.	N/A	2.0	1.1	N/A	N/A	85.7
Avdiyivsky Cok...	AVDK UK	Kiev, UX	**1.45 UAH**	+0.0	+4.0	-16.5	-51.6	0.06	12.3	-14.9	4.0	0.5	0.0	2.3	0.31	322	Neg.	Neg.	N/A	Neg.	Neg.	N/A	Neg.	Neg.	N/A	0.1	0.1
Azovstal	AZST UK	Kiev, UX	**0.80 UAH**	-1.2	-3.3	+7.1	+16.8	0.03	145.8	121.6	4.1	6.0	0.4	6.8	0.15	651	Neg.	Neg.	N/A	Neg.	5.0	N/A	0.1	0.1	N/A	0.3	0.0
Ferrexpo PLC	FXPO LN	London	**58.00 GBp**	-3.7	-7.9	+9.4	-59.4	0.86	507.8	1,194.1	22.4	113.7	1,136.8	959.4	0.90	111	2.8	6.4	5.4	2.9	4.6	4.5	0.9	1.0	1.0	0.7	61.1
Yasynivsky Cok...	YASK UK	Kiev, UX	**0.30 UAH**	-13.5	+20.8	+7.9	-57.5	0.01	3.6	4.1	9.0	0.3	0.0	0.5	0.05	2,203	Neg.	0.6	0.3	0.0	0.3	N/A	0.0	0.0	0.0	0.1	0.0
Yenakievo Steel	ENMZ UK	Kiev, UX	**16.50 UAH**	-2.9	-11.0	-21.2	-49.9	0.72	7.6	1.8	9.4	0.7	0.9	2.5	0.37	267	Neg.	Neg.	N/A	0.3	0.1	N/A	0.0	0.0	N/A	0.8	0.0
FOOD AND AGRIBUSINESS																											
AgroGeneration	ALAGR FP	EN Paris	**0.47 EUR**	+0.0	+30.6	+9.3	-59.5	0.51	46.7	93.1	34.0	15.9	10.5	52.3	0.68	148	Neg.	N/A	N/A	Neg.	N/A	N/A	1.6	N/A	N/A	1.0	35.9
Agroliga	AGL PW	Warsaw	**8.68 PLN**	-0.1	-11.4	-3.6	-57.3	2.26	3.5	4.2	16.7	0.6	0.5	2.5	0.21	475	1.0	N/A	N/A	1.2	N/A	N/A	0.2	N/A	N/A	0.3	5.7
Agroton	AGT PW	Warsaw	**1.30 PLN**	+0.0	-5.1	+5.7	-58.6	0.34	7.3	52.6	26.2	1.9	0.7	28.8	1.01	99	Neg.	N/A	N/A	19.7	17.5	N/A	0.6	0.6	N/A	0.1	28.4
Astarta Holdin...	AST PW	Warsaw	**23.21 PLN**	-3.3	-3.3	+16.1	-47.3	6.03	150.8	380.8	31.0	46.8	11.0	61.8	0.05	1,831	5.5	Neg.	Neg.	5.0	3.3	6.0	1.0	0.8	1.0	0.6	38.2
Avangard	AVGR LI	London Intl	**2.82 USD**	-12.0	-6.9	+37.3	-67.7	2.82	179.8	391.0	21.7	39.0	4.2	72.2	0.06	1,633	0.8	4.1	1.7	1.3	2.8	2.5	0.6	0.8	0.8	0.2	17.8
IMC	IMC PW	Warsaw	**5.44 PLN**	-0.7	-20.0	-4.1	-36.7	1.41	44.3	183.5	23.9	10.6	0.3	3.8	0.04	2,832	1.7	Neg.	5.5	3.4	3.5	3.7	1.6	1.2	1.1	0.3	38.7
Kernel Holding...	KER PW	Warsaw	**34.65 PLN**	+4.1	+10.7	+21.7	+26.5	9.01	717.6	1,445.2	58.8	421.8	1,246.0	1,415.7	0.42	236	Neg.	5.0	4.8	6.5	4.3	4.3	0.6	0.6	0.6	0.7	39.1
KSG Agro	KSG PW	Warsaw	**1.05 PLN**	+1.9	-4.5	-6.3	-81.4	0.27	4.1	91.0	34.4	1.4	3.5	13.1	0.44	227	Neg.	N/A	0.2	10.5	N/A	N/A	1.2	1.0	0.8	0.2	44.5
MHP	MHPC LI	London Intl	**8.92 USD**	-0.9	-9.9	-3.0	-33.2	8.92	942.5	2,073.0	22.3	210.4	20.2	581.6	0.32	313	6.0	Neg.	3.3	5.3	4.0	4.1	1.4	1.5	1.5	1.9	47.0
Milkiland	MLK PW	Warsaw	**2.67 PLN**	+3.9	-12.5	+80.4	-66.0	0.69	21.7	129.9	20.0	4.3	27.4	49.3	1.63	61	1.9	Neg.	Neg.	3.9	4.3	4.5	0.4	0.4	0.6	0.1	30.8
Mriya Agrohold...	MAYA GF	Frankfurt	**0.45 EUR**	+0.0	-5.5	-19.9	-92.0	0.48	51.4	779.2	20.0	10.3	1.4	0.8	0.00	20,862	0.6	0.6	0.2	4.7	N/A	N/A	1.6	1.8	1.8	0.1	45.3
Ovostar Union	OVO PW	Warsaw	**69.50 PLN**	-0.1	-2.1	-3.5	+6.3	18.06	108.4	118.0	25.0	27.1	0.3	31.3	0.01	8,730	3.5	4.4	5.8	3.2	3.8	4.4	1.3	1.5	1.4	0.8	8.5
CONSTRUCTION																											
TMM	TR61 GF	Frankfurt	**0.08 EUR**	+0.0	-31.8	-6.2	-75.8	0.08	4.2	131.3	13.1	0.5	0.0	0.1	0.03	3,558	Neg.	N/A	N/A	Neg.	N/A	N/A	3.9	N/A	N/A	0.0	45.5
FINANCIAL SERVICES																											
Raiffeisen Ban...	BAVL UK	Kiev, UX	**0.10 UAH**	-0.9	+6.3	+8.9	-28.8	0.00	136.2	N/A	3.8	5.2	9.8	11.1	0.27	364	3.1	Neg.	Neg.	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	-3.6	-17.0	-33.2	0.00	115.8	N/A	4.5	5.2	0.0	0.5	0.01	8,517	Neg.	9.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.2	28.2

Table 1. Ukrainian stocks (closing prices as of 18-Mar-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 (%)

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 weakens visibly

The hryvnia slid 4.80% as negative sentiment gained momentum. However, late night news of the US Fed's decision caused equities and the euro to rally. The USD index dropped 1.04% as equities and UST bond prices rose markedly. Today, EM currencies in Europe should rise to both the dollar and the hryvnia.

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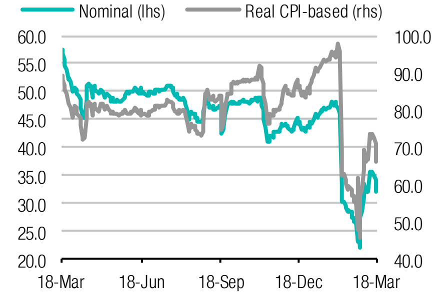
ICU's UAH trade-weighted indices

(Last 12-month history to 19 Mar 2015)



Source: Investment Capital Ukraine LLC.

FX market indicators (as of 18 Mar 2015)

	Last	Daily chg (%)	Weekly chg (%)	MoM chg (%)	YTD chg (%)
USD/UAH MARKET (HRYVNIA per US DOLLAR)					
Spot mkt	23.4500	+4.80	+6.59	-13.47	+48.23
NBU avg	23.2968	+4.72	+8.09	-13.07	+47.74
Ttl vlm[1]	304.50	-1.21	-12.96	+4.27	-29.33
$ volume[2]	242.29	+14.54	-2.03	+11.07	-31.61
NDF 3M	24.9400	+5.28	+9.15	-11.21	+48.01
NDF 6M	26.2900	+5.41	+9.77	-9.93	+51.09
NDF 1Y	27.2900	+4.00	+10.71	-8.70	+47.91
TRADE-WEIGHTED INDICES (TWIs, points)					
UAH nom'l	31.836	-6.38	-8.25	+16.54	-28.40
UAH real CPI	66.119	-6.38	-8.25	+16.54	-23.72
UAH real PPI	90.566	-6.38	-8.25	+16.54	-23.09
USD nom'l	98.550	-1.04	-1.25	+4.62	+9.17
FX RATES OF KEY CURRENCIES THAT SHAPE UAH's TWIs					
USD/RUB	59.4480	-3.26	-3.63	-3.44	-2.12
EUR/USD	1.0864	+2.52	+3.01	-4.68	-10.20
USD/CNY	6.2294	-0.32	-0.53	-0.42	+0.39
USD/PLN	3.8067	-2.50	-2.59	+3.70	+7.42
USD/TRY	2.5691	-1.67	-1.59	+5.14	+10.03
USD/BYR	15,085.00	-0.10	-1.08	+0.17	+37.14
USD/KZT	185.4200	+0.02	-0.02	+0.19	+1.68
OTHER MAJOR CURRENCIES					
USD/JPY	120.1100	-1.04	-1.10	+1.11	+0.28
GBP/USD	1.4978	+1.55	+0.32	-2.97	-3.85
USD/CHF	0.9784	-2.76	-3.06	+3.84	-1.60
AUD/USD	0.7774	+2.06	+2.34	-0.47	-4.91
USD/CAD	1.2566	-1.74	-1.44	+0.89	+8.13
USD/BRL	3.2107	-0.90	+2.70	+13.09	+20.81
USD/KRW	1,129.77	+0.08	+0.30	+1.73	+3.56
COMMIDITIES					
Gold($/oz)	1,167.58	+1.57	+1.06	-3.70	-1.46
WTI crude[3]	44.66	+2.76	-7.29	-14.35	-16.16
Brent crd[3]	54.29	+5.77	-5.05	-7.24	-2.64
Urals crd[3]	N/A	+0.00	+0.00	+0.00	+0.00
TR/J CRB[4]	212.04	+1.45	-1.78	-6.70	-7.79

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.

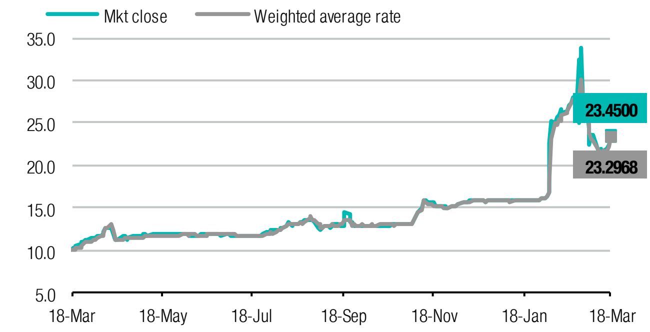
Sources: Bloomberg, Investment Capital Ukraine LLC.

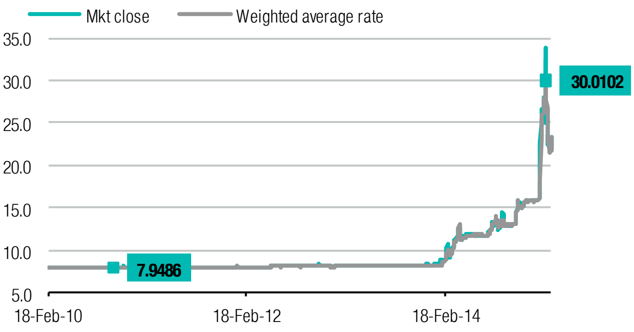
Readers may follow the ICU trade-weighted indices of the local-currency, the hryvnia (UAH), on the ICU website and Bloomberg (type: ALLX UTWI <GO>).

Section on FX market is continued on next page.

Chart page #1: Foreign-exchange market

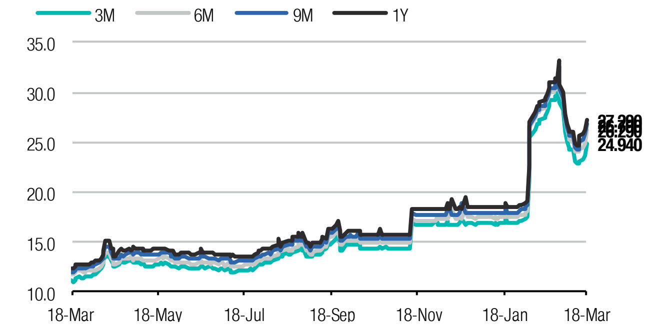
Chart 9. Spot market rates USD/UAH: last 12-month and 5-year periods (UAH per USD, left and right respectively)

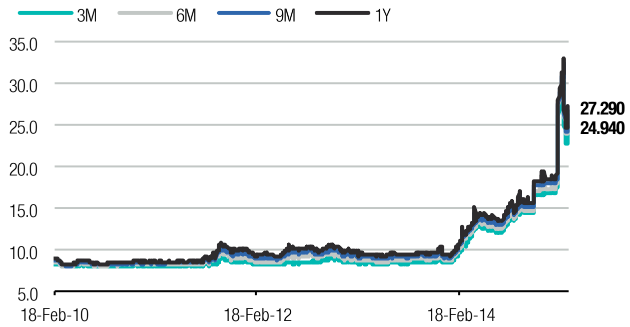




Sources: National Bank of Ukraine, Bloomberg, Investment Capital Ukraine LLC. Sources: National Bank of Ukraine, Investment Capital Ukraine LLC.

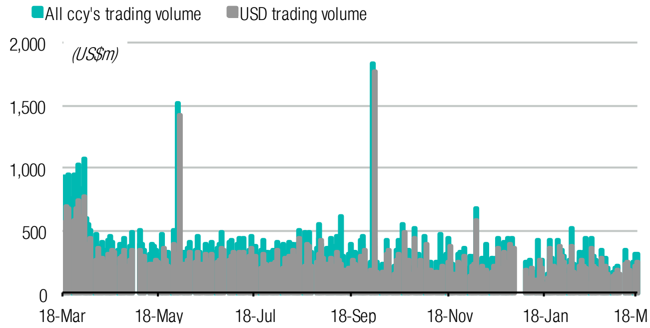
Chart 10. NDF market rates USD/UAH: last 12-month and 5-year periods (UAH per USD, left and right respectively)

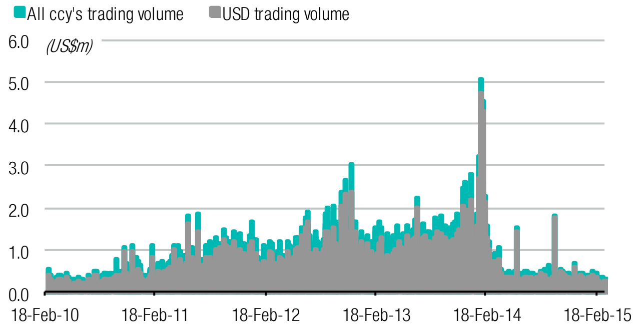




Sources: National Bank of Ukraine, Investment Capital Ukraine LLC. Sources: National Bank of Ukraine, Investment Capital Ukraine LLC.

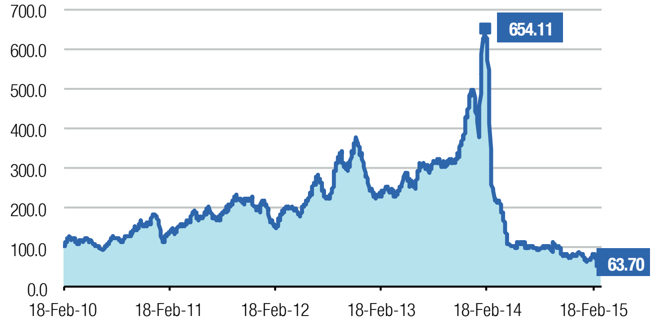
Chart 11. Trading volume: last 12-month and 5-year periods (US$m, left and right respectively)





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)

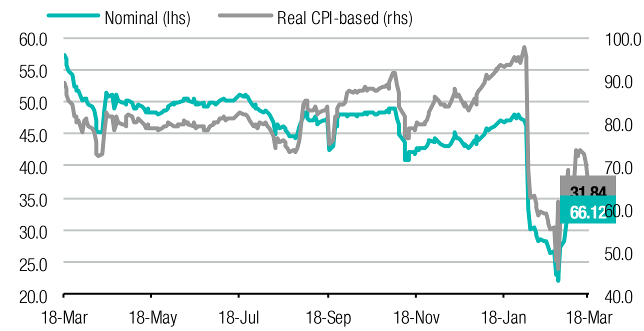


Note: * 30-day moving average; The boxes of the right chart show high and low values. Sources: NBU, State Statistics Service of Ukraine, Bloomberg, Investment Capital Ukraine LLC.

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

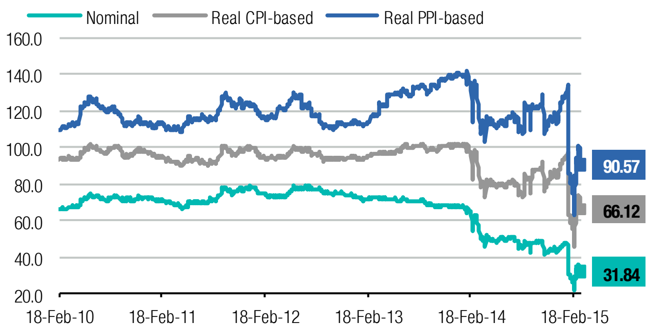
The following charts depict ICU's Ukrainian hryvnia trade-weighted indices which were calculated in accordance with methodology published in the *Quarterly Report* "Keep the music playing" dated 31 January 2013 and, then, updated, in the *Quarterly Report* "Muddling through no more" dated 14 August 2013.

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



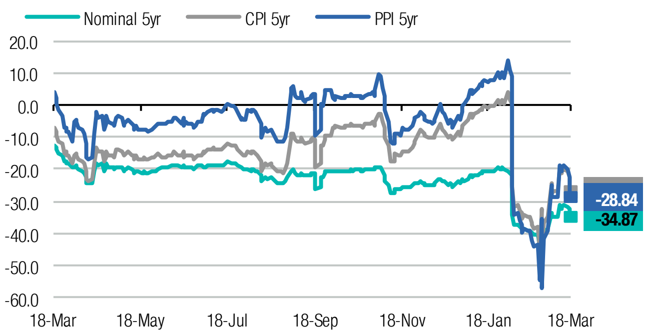
Note: The boxes indicate the last values of the depicted indicators.
Source: Investment Capital Ukraine LLC.

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

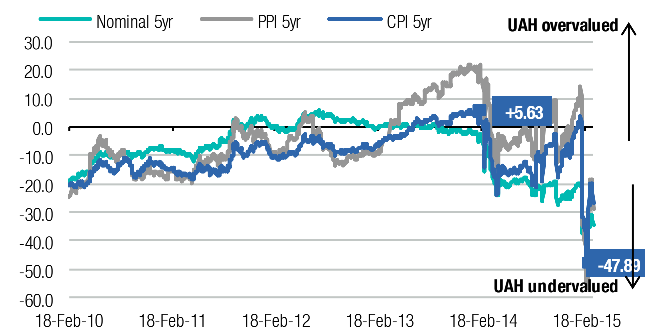


Note: The boxes indicate the last values of the depicted indicators.
Source: Investment Capital Ukraine LLC.

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)

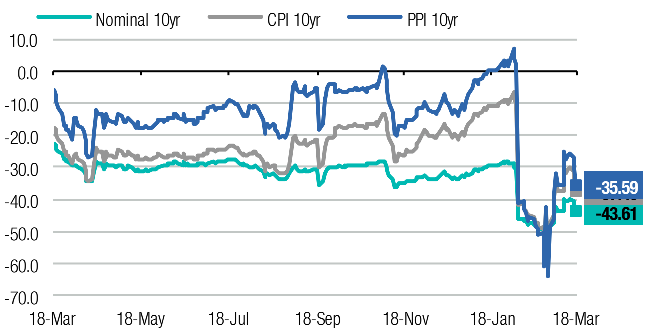


Note: The boxes indicate the last values of the depicted indicators.
Source: Investment Capital Ukraine LLC.

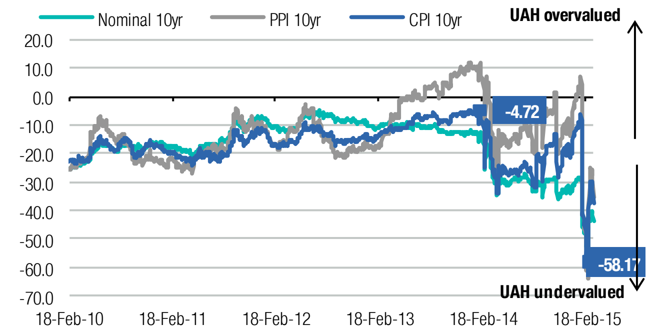


Note: the boxes indicate the high and low values of CPI-based TWI.
Source: Investment Capital Ukraine LLC.

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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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.

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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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