

Daily Insight

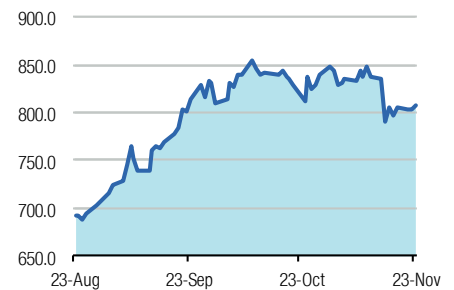
Liquidity hits this year's low

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THURSDAY, 24 NOVEMBER 2016

UX Index (3 months to 24 Nov 2016)



Source: UX.

Key market indicators (as of 23 Nov 2016)

	Last	Daily chg (%)	YTD chg (%)
FX & MONEY RATES			
USD/UAH	25.6100	-0.18	+6.58
USD/UAH (1Y NDF)	29.6245	-0.14	+16.19
EUR/USD	1.0553	-0.70	-2.84
USD/RUB	64.2651	+0.88	-11.38
KievPRIME O/N (%)	13.67	+0bp	-539bp
KievPRIME 1M (%)	16.67	+0bp	-558bp
SOVEREIGN EUROBONDS: yields and spreads			
Ukraine 15, Eurobond (%)	N/A	+0bp	+0bp
Ukraine 17, Eurobond (%)	29.14	+26bp	+0bp
Ukraine 22, Eurobond (%)	12.32	-1bp	+0bp
Ukraine 23, Eurobond (%)	11.85	+0bp	+0bp
Ukraine 5Y CDS	633bp	+0bp	+0bp
EQUITIES			
Stock market indices			
UX (Ukraine)	806.91	+0.42	+17.65
MSCI World	412.57	-0.19	+3.31
MSCI EM	855.92	-0.18	+7.78
RTS (Russia)	1,016.95	+0.01	+34.33
WIG-20 (Poland)	1,796.63	+1.18	-3.36
S&P 500 (USA)	2,204.72	+0.08	+7.87

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

Liquidity hits this year's low

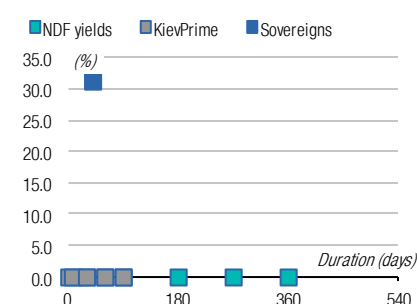
Yesterday's liquidity indicators showed an additional reallocation of funds from CDs to banks' accounts as total CDs outstanding fell UAH1.98bn to this year's low of UAH30.57bn. Meanwhile, banks' correspondent accounts with the NBU rose UAH1.56bn to UAH41.33bn. As a result, banking sector liquidity hit this year's low, down UAH0.42bn to UAH71.90bn.

Investment implications: Under the pressure of tax payments, liquidity fell as the NBU injected only UAH0.26bn via the FX market and issued an additional UAH0.20bn of ON loans on Tuesday. Moreover, with no significant VAT refunds payable, the MoF mostly collected funds at the treasury account after collecting revenues of UAH3.36bn on Tuesday. With no accelerated budget expenditures or VAT refunds, liquidity could fall below UAH70bn.

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Yield curve of the local bond market

(as of market close on 23 Nov 2016)



Sources: Bloomberg, Investment Capital Ukraine LLC.

Bond market indicators (as of 23 Nov 2016)

	Last	Daily	Weekly	MoM	YTD
	chg (%)	chg (%)	chg (%)	chg (%)	chg (%)

MONEY MARKET KIEV PRIME RATES (%)

O/n	13.67	+0bp	+25bp	-58bp	-539bp
1wk	14.67	+0bp	+17bp	-108bp	-533bp
1m	16.67	+0bp	+0bp	-58bp	-558bp
2m	18.17	+0bp	+0bp	+17bp	-533bp
3m	18.33	+0bp	+0bp	+33bp	-542bp

LIQUIDITY WIDE MEASUREMENT (UAHm)

CB acc's ¹	41,333	+6.43	-1.57	+3.11	+14.38
CDs ²	30,568	-30.72	-44.07	-42.45	-75.60
Sovgns ³	9,341	+0.00	-7.66	-1.64	+98.04
Total	81,242	-8.29	-19.60	-16.24	-42.67

HOLDERS OF UAH SOVEREIGN BONDS (UAHm)

C.bank	361,646	+0.00	-0.39	-1.01	-4.78
Banks	156,167	-0.53	-0.58	+2.11	+91.45
Resid's ⁴	13,707	+0.78	-0.45	+0.58	-34.72
Non-res ⁵	10,121	-1.06	-7.38	-45.35	-54.63
Total	541,642	-0.15	-0.58	-1.60	+7.32

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 (%)

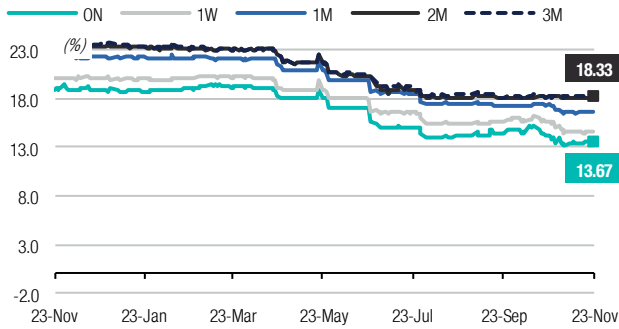
CDS 5yr	633	+0bp	+0bp	-31bp	+0bp
Jun '16	N/A	+114bp	+0bp	+0bp	+0bp
Jul '17	29.14	+26bp	+0bp	+0bp	+0bp
Sep '20	14.02	+4bp	+0bp	+0bp	+0bp
Sep '21	14.22	+0bp	+0bp	+0bp	+0bp
Sep '22	12.32	-1bp	+0bp	+0bp	+0bp
Feb '23	11.85	+0bp	+0bp	+0bp	+0bp

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.

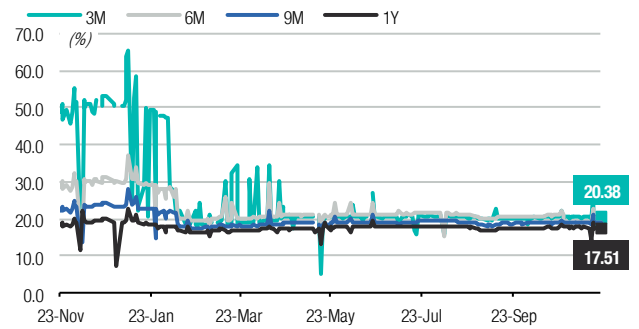
Chart page: Local bond market & Eurobond markets

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



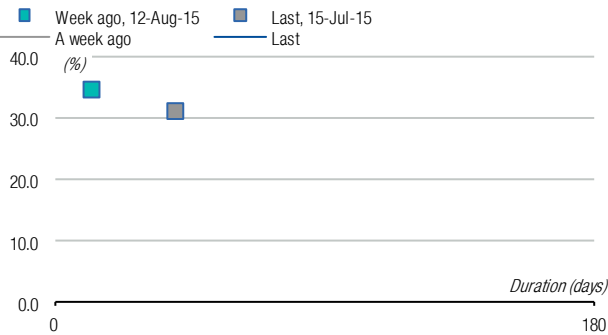
Sources: Bloomberg, Investment Capital Ukraine LLC.

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



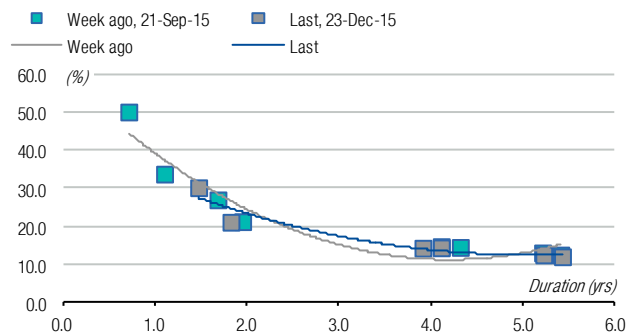
Sources: Bloomberg, Investment Capital Ukraine LLC.

Chart 3. UAH sovereign yield curve (%) as of 23 Nov 2016



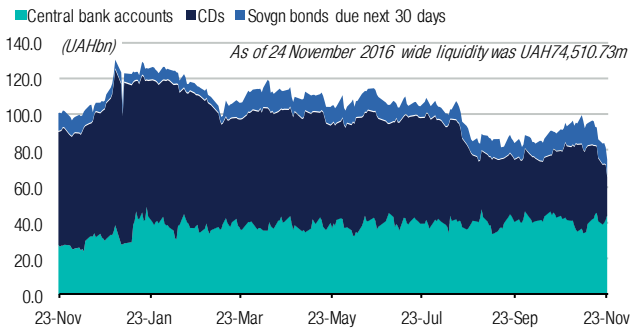
Sources: Bloomberg, Investment Capital Ukraine LLC.

Chart 4. USD sovereign yield curve (%) as of 23 Nov 2016



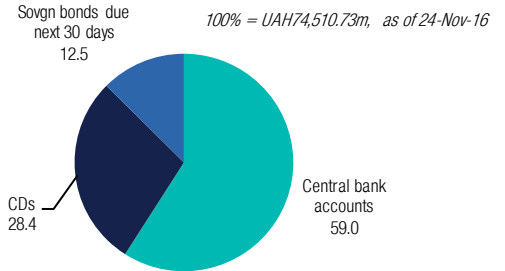
Sources: Bloomberg, Investment Capital Ukraine LLC.

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



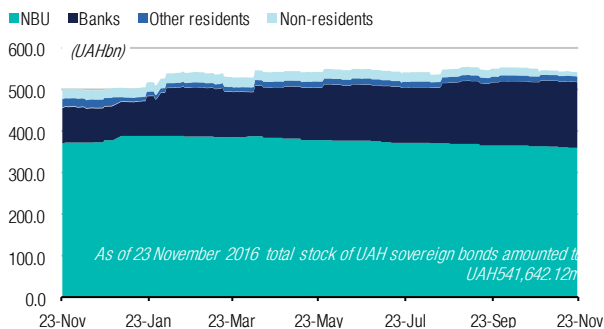
Sources: National Bank of Ukraine, Ministry of Finance of Ukraine, ICU.

Chart 6. Breakdown of liquidity pool (%) as of 23 Nov 2016



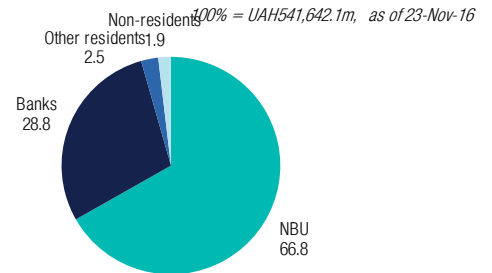
Sources: National Bank of Ukraine, Ministry of Finance of Ukraine, ICU.

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 23 Nov 2016



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

Table 1. Ukrainian stocks (closing prices as of 23-Nov-2016)

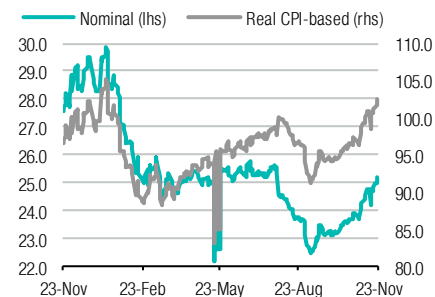
Company	Bloomberg Ticker	Listing	Share price performance (% change)				Valuation (US\$)			Free float (FF) & Liquidity					P/E			EV/EBITDA			EV/Sales			Ratios			
			Last price	Daily	MoM	YTD	YoY	Last price	Market cap (m)	EV (m)	FF (%)	FF mkt cap (US\$m)	Last day turnover (US\$ 000)	3M avg. turnover (US\$ 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	10.50 GBp	+0.0	+6.3	+29.2	+21.7	0.13	30.2	-10.1	40.2	12.1	0.0	11.0	0.09	1,120	Neg.	N/A	N/A	1.1	N/A	N/A	Neg.	N/A	N/A	0.6	17.5
Centrenergo	CEEN UK	Kiev, UX	10.61 UAH	-1.0	+3.0	+132.6	+128.2	0.41	151.8	133.3	21.7	33.0	2.1	11.8	0.03	3,674	179.3	5.9	6.4	0.4	3.0	3.3	0.5	0.4	0.3	1.2	3.4
Coal Energy	CLE PW	Warsaw	1.36 PLN	+0.0	-2.9	+156.6	+126.7	0.32	14.5	86.6	25.0	3.6	2.1	13.4	0.15	663	Neg.	N/A	N/A	11.9	N/A	N/A	0.8	N/A	N/A	0.5	56.9
Donbasenergo	DOEN UK	Kiev, UX	10.60 UAH	+0.0	-15.5	-32.7	-41.0	0.41	9.7	10.7	14.2	1.4	0.5	1.5	0.20	507	Neg.	N/A	N/A	0.1	N/A	N/A	0.1	N/A	N/A	0.5	4.2
JKX Oil & Gas	JKX LN	London	17.00 GBp	+0.0	-1.4	-37.6	-40.9	0.21	36.3	41.7	47.2	17.1	8.5	4.0	0.02	5,309	Neg.	Neg.	Neg.	Neg.	2.8	N/A	0.5	0.6	0.6	0.2	13.0
Regal Petroleum	RPT LN	London	3.74 GBp	+0.0	+0.0	-0.4	+1.1	0.05	14.9	-18.2	80.9	12.0	0.0	1.2	0.01	9,121	Neg.	Neg.	7.4	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	0.2	0.0
Sadova Group	SGR PW	Warsaw	0.44 PLN	+0.0	-2.2	+46.7	+46.7	0.10	4.5	45.7	25.0	1.1	1.9	5.1	0.20	501	Neg.	N/A	N/A	Neg.	N/A	N/A	44.1	N/A	N/A	N/A	239.6
Zakhidenergo	ZAEN UK	Kiev, PFTS	60.00 UAH	+0.0	N/A	N/A	N/A	2.32	29.7	156.3	5.0	1.5	0.0	N/A	N/A	N/A	Neg.	N/A	N/A	Neg.	N/A	N/A	0.3	N/A	N/A	N/A	9.3
METALLURGY																											
Alchevsky Meta...	ALMK UK	Kiev, UX	0.01 UAH	-5.9	-5.9	-28.1	-36.9	0.00	8.0	2,396.6	3.9	0.3	0.1	0.1	0.02	4,000	Neg.	Neg.	Neg.	14.6	25.0	22.7	7.9	7.1	7.4	N/A	192.1
Ferrexpo PLC	FXPO LN	London	127.25 GBp	+1.2	+14.6	+491.9	+371.3	1.58	931.1	1,683.1	22.4	208.6	8,841.7	4,385.0	3.18	31	28.2	5.7	6.6	12.2	5.5	5.7	1.8	1.8	1.8	3.2	73.7
Yasynivsky Cok...	YASK UK	Kiev, UX	0.23 UAH	+0.0	+15.0	+0.0	-30.3	0.01	2.4	2.7	9.0	0.2	0.0	0.3	0.02	5,504	Neg.	N/A	N/A	Neg.	N/A	N/A	0.1	N/A	N/A	0.1	0.0
FOOD AND AGRIBUSINESS																											
AgroGeneration	ALAGR FP	EN Paris	0.31 EUR	+0.0	+6.9	-22.5	-27.9	0.33	32.7	79.9	34.0	11.1	350.1	47.7	0.38	264	Neg.	25.9	2.2	4.3	4.7	3.0	1.3	1.2	1.0	0.5	40.7
Agroliga	AGL PW	Warsaw	15.20 PLN	+0.0	+4.2	+33.6	+11.8	3.61	5.6	6.7	16.7	0.9	0.0	1.3	0.08	1,217	1.9	N/A	N/A	1.9	N/A	N/A	0.4	N/A	N/A	0.5	10.7
Agrotron	AGT PW	Warsaw	3.30 PLN	+0.9	+23.6	+226.7	+211.3	0.78	17.0	25.6	26.2	4.5	62.9	93.2	1.71	58	Neg.	2.1	1.9	1.1	1.7	1.3	0.6	0.7	0.6	0.3	32.4
Astarta Holdin...	AST PW	Warsaw	51.18 PLN	-2.9	-6.1	+48.3	+46.4	12.16	304.0	468.0	31.0	94.3	3.8	136.8	0.06	1,799	18.1	3.8	3.5	3.6	3.2	3.3	1.4	1.2	1.2	1.0	41.5
Avangard	AVGR LI	London Intl	0.47 USD	+0.0	-26.6	-62.4	-69.9	0.47	30.0	369.1	21.7	6.5	14.3	6.4	0.18	570	Neg.	Neg.	0.8	Neg.	Neg.	10.5	1.6	2.8	2.2	0.2	53.9
IMC	IMC PW	Warsaw	7.20 PLN	-1.4	+3.6	+20.6	+9.3	1.71	53.5	133.6	23.9	12.8	9.7	21.0	0.23	436	3.6	2.7	2.1	2.0	2.4	2.8	1.0	1.0	0.9	0.9	56.8
Kernel Holding...	KER PW	Warsaw	62.21 PLN	-0.6	+1.9	+29.3	+30.8	14.78	1,177.9	1,462.3	58.8	692.3	1,032.6	1,212.9	0.13	745	5.2	2.1	5.2	4.2	3.9	4.0	0.7	0.6	0.6	1.2	22.7
KSG Agro	KSG PW	Warsaw	2.20 PLN	+0.9	+14.0	+136.6	+122.2	0.52	7.9	71.1	34.4	2.7	10.0	22.8	1.04	96	Neg.	N/A	N/A	7.1	N/A	N/A	2.2	N/A	N/A	N/A	67.4
MHP	MHPC LI	London Intl	8.98 USD	+1.5	-4.0	-3.4	-11.5	8.98	948.9	2,134.7	22.3	211.8	70.7	257.3	0.10	1,039	Neg.	6.9	4.6	4.7	5.3	5.0	1.8	1.7	1.6	1.3	61.6
Milkiland	MLK PW	Warsaw	1.75 PLN	+0.0	-5.9	+23.2	+2.9	0.42	13.0	126.4	20.0	2.6	5.3	15.6	0.53	188	Neg.	Neg.	Neg.	Neg.	16.3	8.7	0.6	0.8	0.6	0.4	57.6
CONSTRUCTION																											
TMM	TR61 GF	Frankfurt	0.01 EUR	+0.0	+0.0	-85.7	+0.0	0.01	0.5	55.6	13.1	0.1	0.0	0.0	N/A	N/A	Neg.	N/A	N/A	Neg.	N/A	N/A	6.2	N/A	N/A	0.0	44.0
FINANCIAL SERVICES																											
Raiffeisen Ban...	BAVL UK	Kiev, UX	0.13 UAH	+0.3	+4.8	+68.4	+69.1	0.00	302.0	N/A	3.8	11.5	5.0	6.2	0.07	1,397	Neg.	5.2	5.9	N/A	N/A	N/A	N/A	N/A	N/A	1.1	14.4
Ukrsotsbank	USCB UK	Kiev, UX	0.08 UAH	+8.1	-13.5	-19.0	-14.9	0.00	357.6	N/A	4.5	16.0	0.0	0.3	0.00	29,917	Neg.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.5	24.3

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

ICU's UAH trade-weighted indices

(Last 12-month history to 24 Nov 2016)



Source: Investment Capital Ukraine LLC.

FX market indicators (as of 23 Nov 2016)

	Last	Daily	Weekly	MoM	YTD
	chg (%)	chg (%)	chg (%)	chg (%)	chg (%)
USD/UAH MARKET (HRYVNIA per US DOLLAR)					
Spot mkt	25.6100	-0.18	-0.74	-0.19	+6.58
NBU avg	25.5876	-0.28	-2.88	-0.29	+7.55
Ttl vlm ¹	156.40	-10.12	-14.89	-55.34	-56.95
\$ volume ²	124.03	-12.71	-15.25	-44.60	-50.60
NDF 3M	26.8700	-0.15	-2.24	-0.18	+0.00
NDF 6M	27.8970	-0.16	-2.31	-1.08	+1.34
NDF 1Y	29.6245	-0.14	-2.13	-0.26	+16.19
TRADE-WEIGHTED INDICES (TWIs, points)					
UAH nom'l	25.196	+0.84	+1.85	+6.37	-11.21
UAH real CPI	102.556	+0.84	+1.85	+6.37	+4.35
UAH real PPI	135.421	+0.84	+1.85	+6.37	+2.76
USD nom'l	101.700	+0.65	+1.28	+3.04	+3.11
FX RATES OF KEY CURRENCIES THAT SHAPE UAH's TWIs					
USD/RUB	64.2651	+0.88	-0.74	+3.03	-11.38
EUR/USD	1.0553	-0.70	-1.29	-3.04	-2.84
USD/CNY	6.9190	+0.42	+0.56	+2.25	+6.55
USD/PLN	4.1999	+1.02	+0.77	+5.74	+7.06
USD/TRY	3.3953	+0.32	+2.15	+10.20	+16.39
USD/BYR	19,580.00	+0.70	+0.16	+2.89	+5.12
USD/KZT	335.9400	+0.24	-1.26	+1.48	-1.37
OTHER MAJOR CURRENCIES					
USD/JPY	112.5200	+1.24	+3.15	+8.40	-6.40
GBP/USD	1.2443	+0.16	+0.00	+1.71	-15.56
USD/CHF	1.0167	+0.53	+1.48	+2.31	+1.46
AUD/USD	0.7385	-0.23	-1.27	-2.93	+1.36
USD/CAD	1.3488	+0.35	+0.31	+1.17	-2.54
USD/BRL	3.3903	+1.01	-1.05	+7.41	-14.40
USD/KRW	1,176.32	+0.01	+0.59	+3.66	+0.11
COMMODITIES					
Gold(\$/oz)	1,188.21	-2.00	-3.02	-6.17	+11.95
WTI crude ³	46.66	+0.06	+2.39	-7.70	+25.97
Brent crd ³	48.54	+0.08	+6.17	-2.92	+35.78
Urals crd ³	N/A	+0.00	+0.00	+0.00	+0.00
TR/J CRB ⁴	187.69	+0.07	+2.93	-0.90	+6.55

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>).

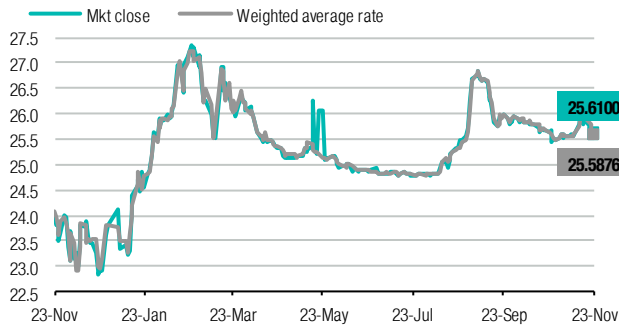
Section on FX market is continued on next page.

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.

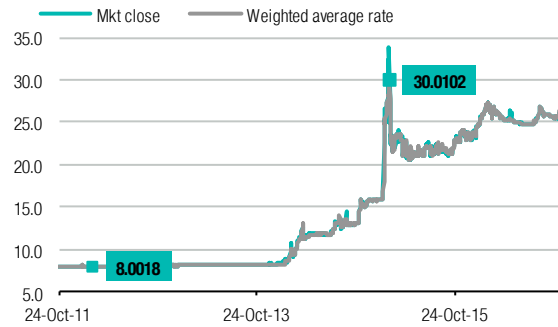
Sources: Bloomberg, Investment Capital Ukraine LLC.

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)

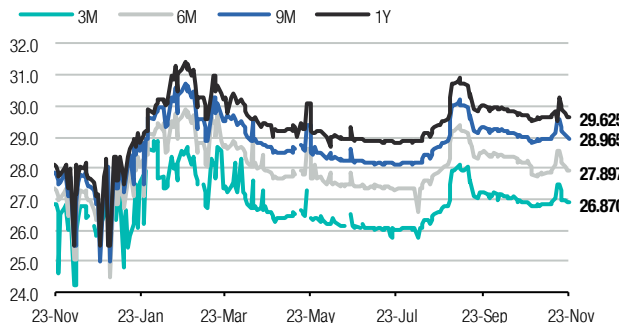


Sources: National Bank of Ukraine, Bloomberg, Investment Capital Ukraine LLC.

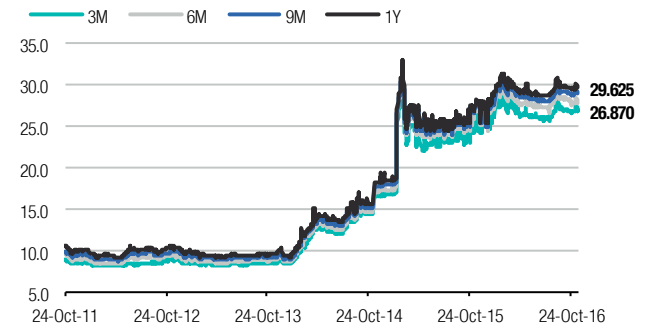


Sources: National Bank of Ukraine, Investment Capital Ukraine LLC.

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

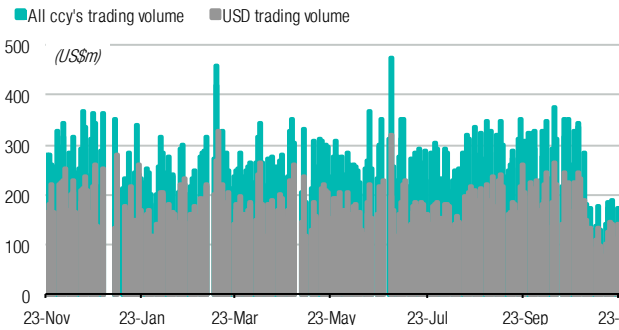


Sources: National Bank of Ukraine, Investment Capital Ukraine LLC.

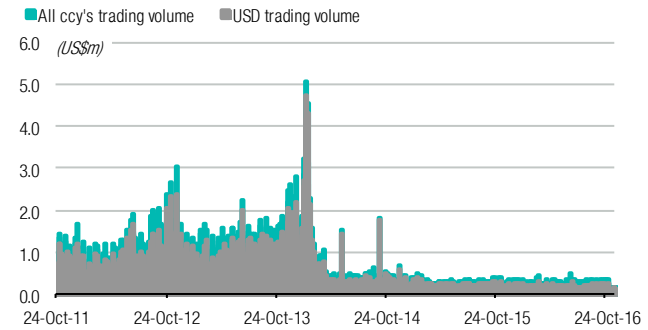


Sources: National Bank of Ukraine, Investment Capital Ukraine LLC.

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

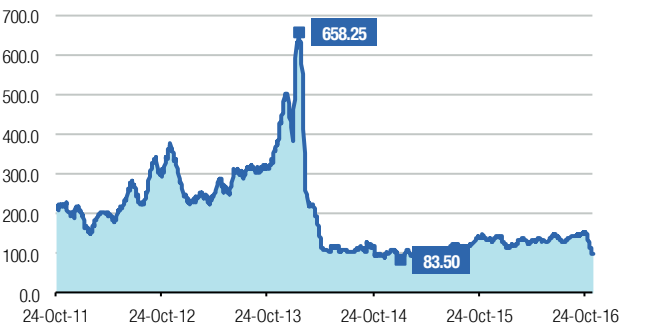
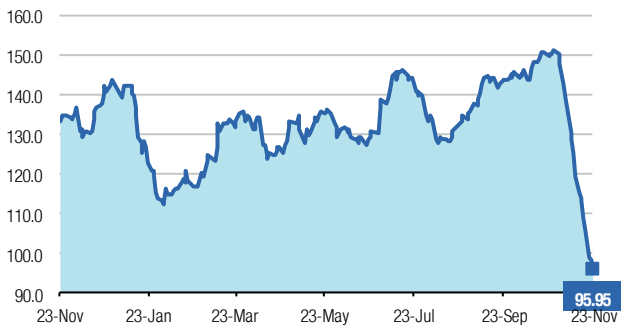


Sources: National Bank of Ukraine, Bloomberg, Investment Capital Ukraine LLC.



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)

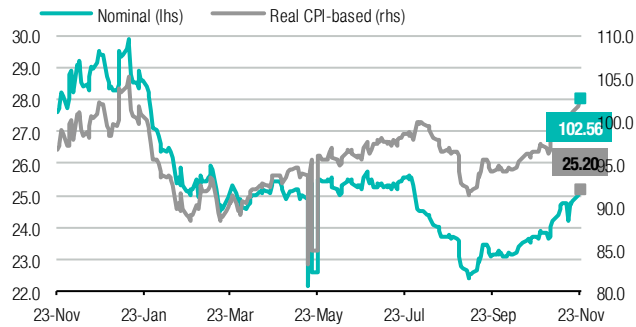


Note: * 30-day moving average; The boxes of the right chart show high and low values. Sources: NBU, State Statistics Service of Ukraine, Bloomberg, Investment Capital Ukraine LLC.

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

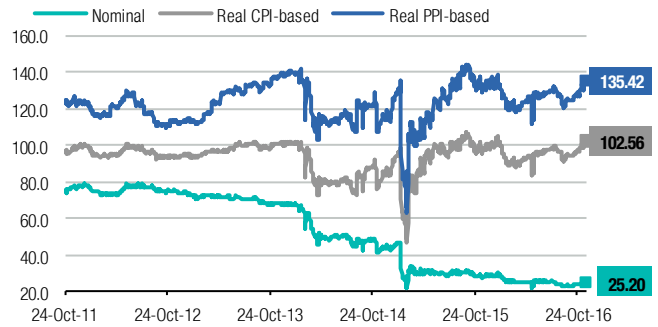
The following charts depict ICU's Ukrainian hryvnia trade-weighted indices which were calculated in accordance with methodology (for more details visit <http://www.icu.ua/en/research/currency-indices>).

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



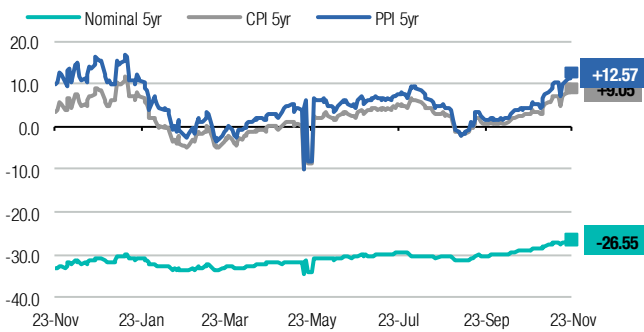
Note: The boxes indicate the last values of the depicted indicators.
Source: Investment Capital Ukraine LLC.

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

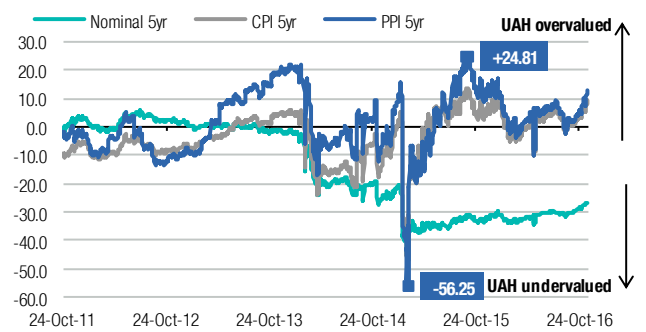


Note: The boxes indicate the last values of the depicted indicators.
Source: Investment Capital Ukraine LLC.

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)

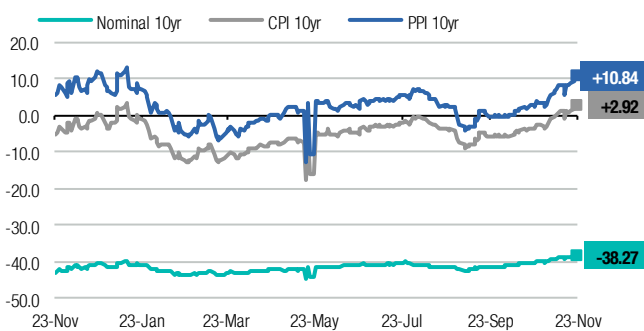


Note: The boxes indicate the last values of the depicted indicators.
Source: Investment Capital Ukraine LLC.

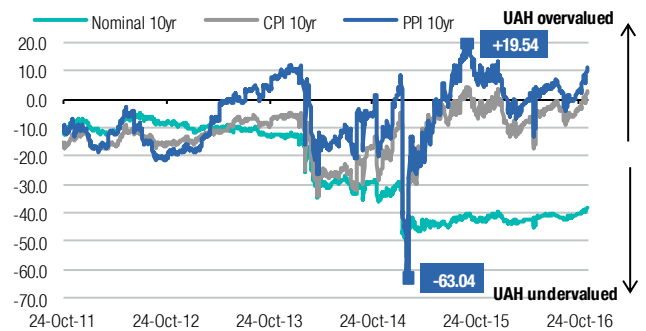


Note: the boxes indicate the high and low values of CPI-based TWI.
Source: Investment Capital Ukraine LLC.

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.

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



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