



Focus
Ukraine

Scope
Economics, bonds, equity & FX markets

Research team
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Daily Insight

Liquidity recovers; Auction results

WEDNESDAY, 15 OCTOBER 2014

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UX Index (3 months to 15 Oct 2014)



Source: UX.

Key market indicators (as of 14 Oct 2014)

	Last	Daily chg (%)	YTD chg (%)
FX & MONEY RATES			
USD/UAH	12.9000	+0.00	+56.55
USD/UAH (1Y NDF)	15.7500	+0.00	+67.20
EUR/USD	1.2658	-0.74	-7.89
USD/RUB	40.8662	+0.89	+24.33
KievPRIME O/N (%)	9.60	+115bp	+180bp
KievPRIME 1M (%)	15.30	-40bp	-95bp
SOVEREIGN EUROBONDS: yields and spreads			
Ukraine 15, Eurobond (%)	21.44	+272bp	+1,309bp
Ukraine 17, Eurobond (%)	15.50	-2bp	+594bp
Ukraine 22, Eurobond (%)	11.14	-16bp	+179bp
Ukraine 23, Eurobond (%)	11.01	-11bp	+196bp
Ukraine 5Y CDS	1,333bp	-40bp	+517bp
EQUITIES			
Stock market indices			
UX (Ukraine)	1,135.69	+1.02	+24.80
MSCI World	397.06	-0.15	-2.81
MSCI EM	992.08	+0.06	-1.06
RTS (Russia)	1,075.45	-0.10	-25.46
WIG-20 (Poland)	2,402.90	+0.36	+0.08
S&P 500 (USA)	1,877.70	+0.16	+1.59

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 recovers further

Banking sector liquidity significantly recovered yesterday, more as a result of new injections from the NBU than on domestic QE support. Banks' correspondent accounts with the NBU rose just UAH0.06bn to UAH29.14bn while total CDs outstanding rose UAH1.89bn to UAH16.68bn and total local currency debt repayments scheduled for the next 30 days increased UAH2.16bn to UAH6.45bn. As a result, broader banking sector liquidity recovered to almost UAH50.0bn, up UAH4.11bn to UAH49.28bn.

KyivPrime interest rates diverged: the KyivPrime ON interest rate rose 115bp to 9.60% while the KyivPrime 1M interest rate fell 40bp to 15.30%.

Investment implications: The recovery in liquidity recovered more as a result of increases in CDs outstanding and future debt repayments than on domestic QE support.

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Eurobond YTM's diverge

The Ukrainian sovereign Eurobond yield curve adjusted to the range of 10.97%-21.45% yesterday. UKRAIN 6.875% '15 rose 272bp to 21.45%, UKRAIN 6.58% '16 was up 39bp to 15.77%, UKRAIN 6.75% '17 rose 27bp to 13.47% and UKRAIN 9.25% '17 rose 42bp to 15.48%. UKRAIN 7.95% '21 rose 17bp to 11.84% while UKRAIN 7.80% '22 slid 8bp to 11.11% and UKRAIN 7.50% '23 declined 13bp to 10.97%. The 5-year CDS declined to 1,333bp.

Investment implications: The divergence in YTM's yesterday was most likely the result of rising short-term negative anticipations amidst falling long-term risks. Spreads slightly tightened on the long-term end of the yield curve while those at the short-term end widened significantly. This situation will continue until after the upcoming elections.

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Primary auction results

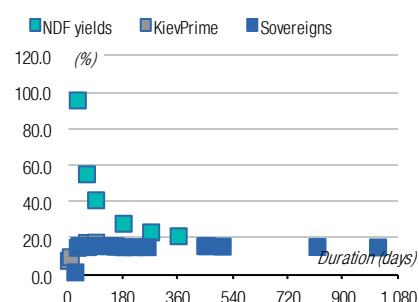
At yesterday's primary auction, the MoF fulfilled a single bid for UAH700.0m in 5-year bonds at the same 14.25% interest rate as last Friday; the 7-year bond received no bids. The budget received UAH701.59m in proceeds.

Investment implications: The MoF once more sold 5-year bonds via domestic QE, while the NBU purchased UAH1.6bn of bonds last Friday, the same volume as was sold at last Friday's primary auction. We anticipate an additional increase in the NBU's portfolio today or tomorrow.

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Yield curve of the local bond market

(as of market close on 14 Oct 2014)



Sources: Bloomberg, Investment Capital Ukraine LLC.

Bond market indicators (as of 14 Oct 2014)

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

MONEY MARKET KIEV PRIME RATES (%)

O/n	9.60	+115bp	+160bp	+129bp	+180bp
1wk	10.81	+26bp	+50bp	+50bp	+101bp
1m	15.30	-40bp	-8bp	-20bp	-95bp
2m	17.90	+0bp	-10bp	-10bp	+150bp
3m	18.00	+0bp	+0bp	+0bp	+200bp

LIQUIDITY WIDE MEASUREMENT (UAHm)

CB acc's ¹	29,142	+0.22	-8.20	-10.29	-10.89
CDs ²	13,684	+16.03	-3.47	+8.02	+1,841.0
Sovgns ³	6,629	+0.00	-2.07	+8.42	+343.4
Total	49,455	+4.11	-6.14	-3.53	+41.70

HOLDERS OF UAH SOVEREIGN BONDS (UAHm)

C.bank	N/A	N/A	N/A	N/A	N/A
Banks	N/A	N/A	N/A	N/A	N/A
Resid's ⁴	N/A	N/A	N/A	N/A	N/A
Non-res ⁵	N/A	N/A	N/A	N/A	N/A
Total	N/A	N/A	N/A	N/A	N/A

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	-676bp
Aug '15 ⁶	N/A	+542bp	+0bp	+0bp	-81ppt

EUROBONDS USD SOVEREIGN BOND YIELDS (%)

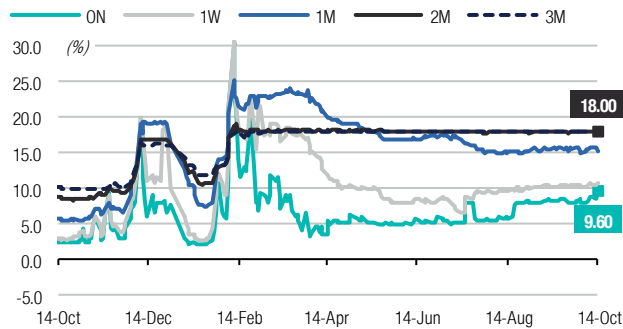
CDS 5yr	1,333	-40bp	+48bp	+216bp	+517bp
Jun '16	16.37	+43bp	+192bp	+418bp	+748bp
Jul '17	15.50	-2bp	+151bp	+349bp	+594bp
Sep '20	11.96	+0bp	+106bp	+195bp	+277bp
Sep '21	11.87	-1bp	+91bp	+178bp	+265bp
Sep '22	11.14	-16bp	+78bp	+120bp	+179bp
Feb '23	11.01	-11bp	+68bp	+113bp	+196bp

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.

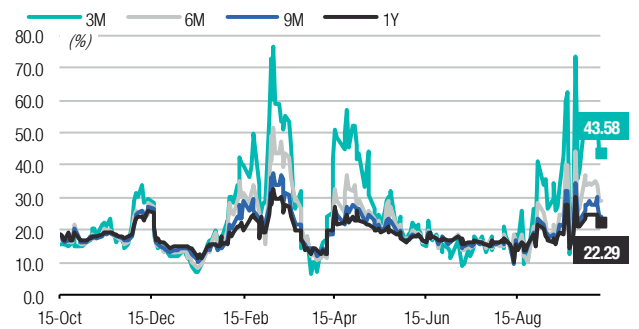
Chart page: Local bond market & Eurobond markets

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



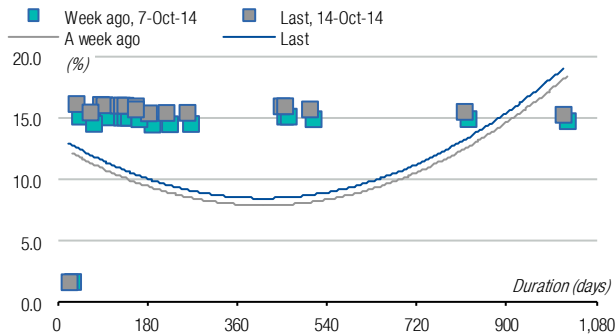
Sources: Bloomberg, Investment Capital Ukraine LLC.

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



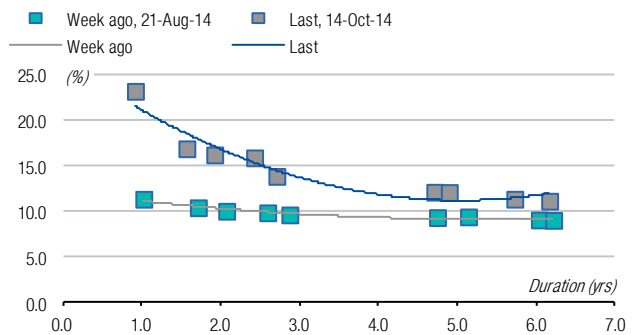
Sources: Bloomberg, Investment Capital Ukraine LLC.

Chart 3. UAH sovereign yield curve (%) as of 14 Oct 2014



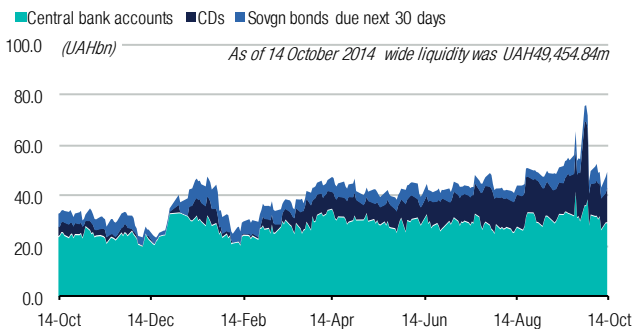
Sources: Bloomberg, Investment Capital Ukraine LLC.

Chart 4. USD sovereign yield curve (%) as of 14 Oct 2014



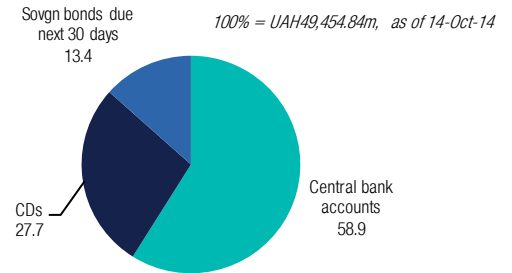
Sources: Bloomberg, Investment Capital Ukraine LLC.

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



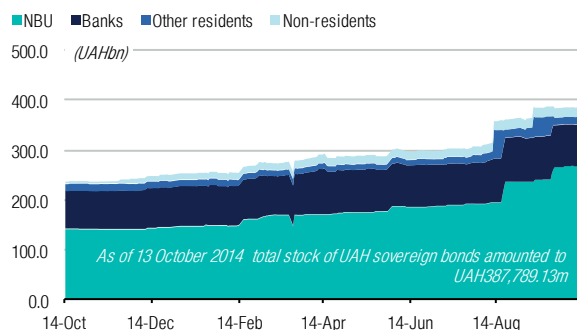
Sources: National Bank of Ukraine, Ministry of Finance of Ukraine, ICU.

Chart 6. Breakdown of liquidity pool (%) as of 14 Oct 2014



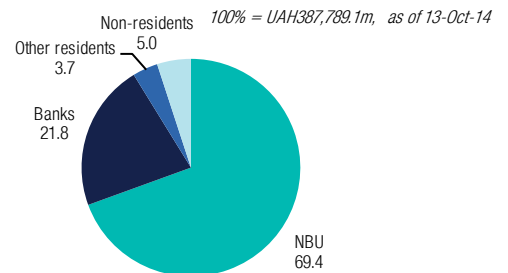
Sources: National Bank of Ukraine, Ministry of Finance of Ukraine, ICU.

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 14 Oct 2014



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

Table 1. Ukrainian stocks (closing prices as of 14-Oct-2014)

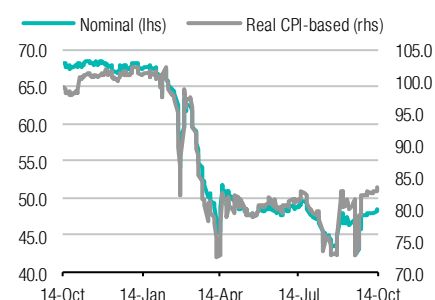
Company	Bloomberg Ticker	Listing	Share price performance (% change)					Valuation (US\$)			Free float (FF) & Liquidity					P/E			EV/EBITDA			EV/Sales			Ratios		
			Last price	Daily	MoM	YTD	YoY	Last price	Market cap (m)	EV (m)	FF (%)	FF mkt cap (US\$m)	Last day turnover (US\$ 000)	3M avg. turnover (US\$ 000)	FF share traded (%)	FF turnover (days)	2013	2014E	2014E	2013	2014E	2014E	2013	2014E	2014E	P/B (x)	Debt/Assets (%)
ENERGY																											
Cadogan Petrol...	CAD LN	London	9.88 GBp	-10.2	-16.0	-4.8	-33.1	0.16	36.3	-11.3	40.2	14.6	46.2	25.0	0.12	804	Neg.	N/A	N/A	1.8	N/A	N/A	Neg.	N/A	N/A	0.3	0.0
Centrenerg	CEEN UK	Kiev, UX	7.57 UAH	-0.1	+5.5	+58.7	+53.0	0.59	216.5	271.4	21.7	47.0	33.9	159.0	0.09	1,136	5.7	5.0	7.5	0.4	3.9	4.1	0.5	0.3	0.3	1.1	16.3
Coal Energy	CLE PW	Warsaw	0.92 PLN	+1.1	-9.8	-12.4	-65.4	0.28	12.5	138.4	25.0	3.1	9.6	49.8	0.80	125	Neg.	N/A	N/A	6.1	N/A	N/A	1.1	N/A	N/A	0.1	39.8
Donbasenergo	DOEN UK	Kiev, UX	31.95 UAH	+2.3	+14.6	+15.8	+36.9	2.47	58.5	120.0	14.2	8.3	3.4	26.1	0.11	941	1.4	1.4	1.5	0.1	2.0	1.5	0.3	0.2	0.3	1.1	25.1
JKX Oil & Gas	JKX LN	London	43.25 GBp	-4.9	+0.6	-39.5	-39.9	0.69	118.2	123.3	47.2	55.8	80.5	37.1	0.07	1,334	18.2	19.7	3.6	1.9	2.4	1.9	0.7	0.7	0.6	0.2	5.5
Regal Petroleum	RPT LN	London	6.38 GBp	-1.9	-28.2	-51.0	-57.9	0.10	32.5	2.4	80.9	26.3	0.0	7.8	0.04	2,831	Neg.	16.3	N/A	0.2	0.1	0.2	0.1	0.1	0.1	0.3	0.0
Zakhidenergo	ZAEN UK	Kiev, PFTS	154.00 UAH	+8.4	+19.4	+70.4	+69.2	11.93	152.6	242.7	5.0	7.6	5.5	2.3	0.05	2,151	3.4	N/A	N/A	1.6	N/A	N/A	0.3	N/A	N/A	1.3	0.0
METALLURGY																											
Alchevsky Meta...	ALMK UK	Kiev, UX	0.03 UAH	-0.8	-3.3	-33.5	-36.9	0.00	51.5	2,270.2	3.9	2.0	2.0	10.3	0.16	640	Neg.	Neg.	N/A	Neg.	Neg.	N/A	2.0	1.2	N/A	N/A	85.7
Avdiyivsky Cok...	AVDK UK	Kiev, UX	2.77 UAH	-0.5	+26.4	-6.6	-13.3	0.21	41.8	38.0	4.0	1.7	7.2	11.0	0.30	339	Neg.	269.7	0.7	0.1	0.7	0.4	0.1	0.0	0.0	0.1	0.1
Azovstal	AZST UK	Kiev, UX	0.75 UAH	+3.2	+20.9	+11.5	+17.1	0.06	243.2	N/A	4.1	10.0	7.9	14.5	0.18	551	Neg.	Neg.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.2	0.0
Ferrexpo PLC	FXPO LN	London	93.15 GBp	+2.9	-26.2	-49.9	-50.7	1.48	872.5	1,075.0	22.4	195.4	2,364.7	977.0	0.82	122	3.3	3.1	6.6	2.1	2.2	3.3	0.7	0.7	0.8	0.8	35.1
Yasinivsky Cok...	YASK UK	Kiev, UX	0.44 UAH	-2.5	-9.9	-17.5	-21.7	0.03	9.3	10.1	9.0	0.8	0.9	3.7	0.36	280	Neg.	0.8	0.5	0.1	0.4	0.3	0.0	0.0	0.0	0.1	0.0
Yenakievo Steel	ENMZ UK	Kiev, UX	29.50 UAH	+1.1	+19.9	-7.8	-11.5	2.28	24.1	13.9	9.4	2.3	1.3	11.0	0.15	669	Neg.	Neg.	N/A	2.4	0.4	N/A	0.0	0.0	N/A	1.4	0.0
FOOD AND AGRIBUSINESS																											
AgroGeneration	ALAGR FP	EN Paris	0.51 EUR	-1.9	-38.6	-58.9	-63.6	0.64	59.6	114.2	34.0	20.3	13.4	8.0	0.10	1,018	Neg.	N/A	N/A	Neg.	N/A	N/A	1.7	N/A	N/A	1.1	35.9
Agroliga	AGL PW	Warsaw	13.13 PLN	+2.2	-20.7	-49.4	-56.8	3.95	6.1	6.9	16.7	1.0	9.2	2.1	0.36	274	1.5	N/A	N/A	2.0	N/A	N/A	0.3	N/A	N/A	0.5	5.7
Agroton	AGT PW	Warsaw	1.93 PLN	+0.0	-11.9	-1.0	-22.2	0.58	12.6	57.9	26.2	3.3	8.5	60.9	0.81	123	Neg.	1.8	1.6	21.6	19.3	N/A	0.7	0.7	0.7	0.1	28.4
Astarta Holdin...	AST PW	Warsaw	36.00 PLN	-1.3	-1.6	-46.2	-48.6	10.83	270.7	517.0	31.0	84.0	3.8	109.8	0.26	379	8.3	26.8	4.2	6.8	4.2	4.6	1.1	1.1	1.1	0.8	38.2
Avangard	AVGR LI	London Intl	6.65 USD	-2.2	-19.7	-43.4	-42.2	6.65	424.7	558.5	21.7	92.2	278.8	88.3	0.11	924	1.8	3.0	2.6	1.9	3.1	3.1	0.8	0.9	0.9	0.4	17.8
IMC	IMC PW	Warsaw	7.00 PLN	+1.6	-13.7	-42.4	-52.1	2.11	65.9	207.0	23.9	15.7	16.1	14.6	0.09	1,161	2.5	Neg.	1.7	3.8	3.8	3.7	1.8	1.1	1.1	0.4	38.7
Kernel Holding...	KER PW	Warsaw	24.10 PLN	+0.7	-4.2	-36.7	-53.7	7.25	577.6	1,484.3	58.8	339.5	374.6	839.0	0.17	577	5.2	79.1	4.0	5.1	7.1	4.7	0.5	0.6	0.6	0.5	30.6
KSG Agro	KSG PW	Warsaw	1.19 PLN	+0.0	-20.7	-89.0	-90.2	0.36	5.4	116.5	34.4	1.8	31.6	191.9	5.88	17	Neg.	0.5	0.3	4.4	N/A	N/A	1.6	1.2	1.0	0.3	44.0
MHP	MHPC LI	London Intl	12.00 USD	+1.7	-4.8	-29.6	-22.1	12.00	1,268.0	2,478.3	22.3	283.0	378.0	1,173.1	0.24	419	8.1	11.1	4.4	6.3	5.2	5.0	1.7	1.8	1.6	2.2	47.0
Milkiland	MLK PW	Warsaw	3.52 PLN	+0.3	-24.0	-71.8	-73.1	1.06	33.1	160.2	20.0	6.6	4.6	7.2	0.22	445	2.4	Neg.	7.7	4.8	4.2	4.6	0.4	0.4	0.4	0.2	30.8
Mriya Agrohold...	MAYA GF	Frankfurt	0.68 EUR	+0.0	-62.4	-87.4	-84.7	0.86	91.4	819.2	20.0	18.3	5.5	1.5	0.01	16,494	1.0	1.0	0.4	5.0	3.0	2.7	1.6	1.9	1.9	0.2	45.3
Ovostar Union	OVO PW	Warsaw	68.50 PLN	+2.2	-2.1	-31.5	-32.0	20.60	123.6	131.2	25.0	30.9	1.5	27.8	0.05	1,959	4.0	6.3	6.2	3.6	5.0	4.6	1.5	1.7	1.4	0.9	8.5
CONSTRUCTION																											
TMM	TR61 GF	Xetra	0.22 EUR	+0.0	-6.1	-31.9	-48.6	0.27	14.1	189.7	13.1	1.9	0.0	0.2	0.01	13,114	Neg.	N/A	N/A	Neg.	N/A	N/A	5.6	N/A	N/A	0.1	45.5
FINANCIAL SERVICES																											
Raiffeisen Ban...	BAVL UK	Kiev, UX	0.13 UAH	+3.5	+1.2	+13.5	+40.2	0.01	299.1	N/A	3.8	11.4	31.5	20.1	0.11	870	3.8	Neg.	13.1	N/A	N/A	N/A	N/A	N/A	N/A	0.6	22.4
Ukrsotsbank	USCB UK	Kiev, UX	0.14 UAH	+0.0	-12.8	-28.0	-26.3	0.01	189.7	N/A	4.5	8.5	0.3	3.6	0.01	14,951	Neg.	10.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.3	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

ICU's UAH trade-weighted indices

(Last 12-month history to 15 Oct 2014)



Source: Investment Capital Ukraine LLC.

FX market indicators (as of 14 Oct 2014)

	Last	Daily	Weekly	MoM	YTD
	chg (%)	chg (%)	chg (%)	chg (%)	chg (%)
USD/UAH MARKET (HRYVNIA per US DOLLAR)					
Spot mkt	12.9000	+0.00	-0.39	-0.58	+56.55
NBU avg	N/A	N/A	N/A	N/A	N/A
Ttl vlm ¹	N/A	N/A	N/A	N/A	N/A
\$ volume ²	N/A	N/A	N/A	N/A	N/A
NDF 3M	14.3500	+0.00	-2.05	+2.14	+69.12
NDF 6M	14.8000	+0.00	-1.99	+1.72	+68.56
NDF 1Y	15.7500	+0.00	-1.87	+2.27	+67.20
TRADE-WEIGHTED INDICES (TWIs, points)					
UAH nom'l	48.328	+0.58	+1.15	+4.20	-28.44
UAH real CPI	83.189	+0.58	+1.15	+4.20	-17.69
UAH real PPI	126.412	+0.58	+1.15	+4.20	-8.92
USD nom'l	85.822	+0.34	+0.18	+1.88	+7.23
FX RATES OF KEY CURRENCIES THAT SHAPE UAH's TWIs					
USD/RUB	40.8662	+0.89	+2.30	+8.25	+24.33
EUR/USD	1.2658	-0.74	-0.09	-2.35	-7.89
USD/CNY	6.1248	-0.02	-0.25	-0.17	+1.16
USD/PLN	3.3204	+0.99	+0.55	+2.37	+9.84
USD/TRY	2.2729	+0.15	-0.09	+2.24	+5.80
USD/BYR	10,700.00	+0.47	+0.28	+1.81	+12.16
USD/KZT	181.8100	+0.00	-0.02	-0.04	+17.85
OTHER MAJOR CURRENCIES					
USD/JPY	107.0500	+0.18	-0.91	-0.27	+1.65
GBP/USD	1.5904	-1.13	-1.19	-2.24	-3.94
USD/CHF	0.9537	+0.60	-0.32	+2.20	+6.81
AUD/USD	0.8713	-0.67	-1.18	-3.60	-2.29
USD/CAD	1.1297	+0.88	+1.09	+1.84	+6.34
USD/BRL	2.4003	+0.25	+0.15	+2.62	+1.62
USD/KRW	1,064.60	-0.30	-0.14	+2.83	+1.41
COMMODITIES					
Gold(\$/oz)	1,232.88	-0.24	+1.98	+0.26	+2.26
WTI crude ³	81.84	-4.55	-7.89	-11.30	-16.85
Brent crd ³	85.07	-3.23	-6.53	-11.76	-23.24
Urals crd ³	N/A	+0.00	+0.00	+0.00	+0.00
TR/J CRB ⁴	273.90	-1.02	-2.17	-2.84	-2.24

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>).

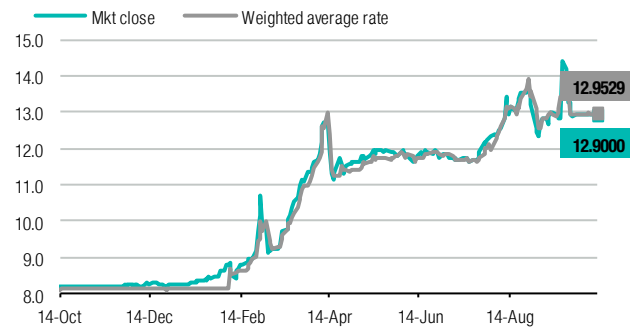
Section on FX market is continued on next page.

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.

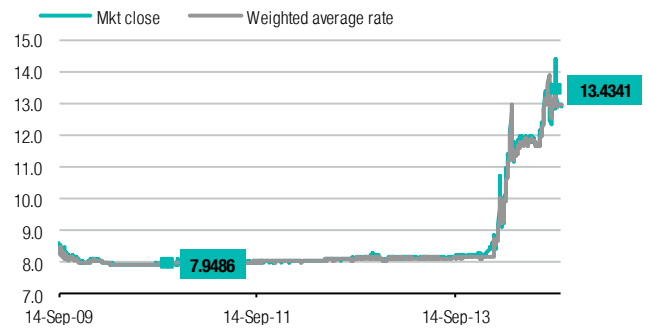
Sources: Bloomberg, Investment Capital Ukraine LLC.

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)

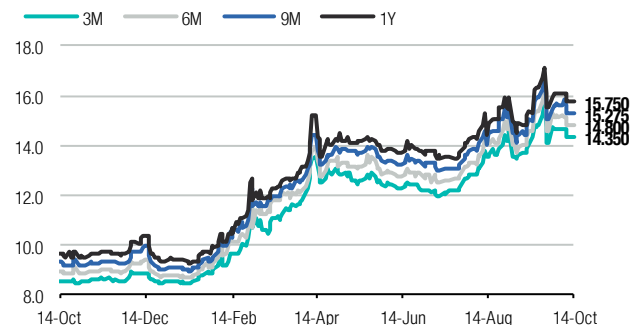


Sources: National Bank of Ukraine, Bloomberg, Investment Capital Ukraine LLC.

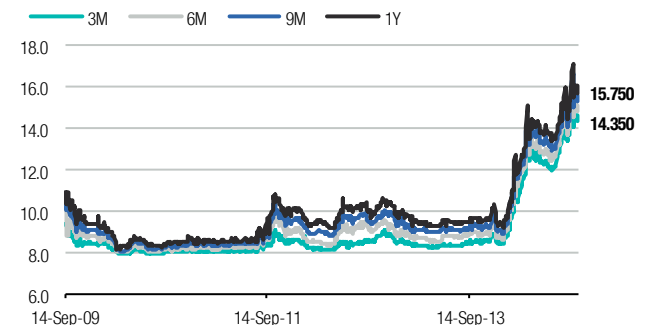


Sources: National Bank of Ukraine, Investment Capital Ukraine LLC.

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

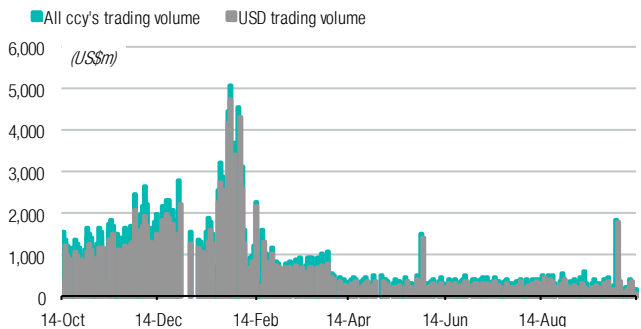


Sources: National Bank of Ukraine, Investment Capital Ukraine LLC.

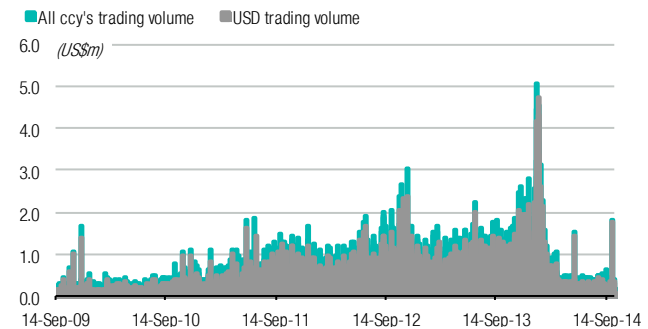


Sources: National Bank of Ukraine, Investment Capital Ukraine LLC.

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

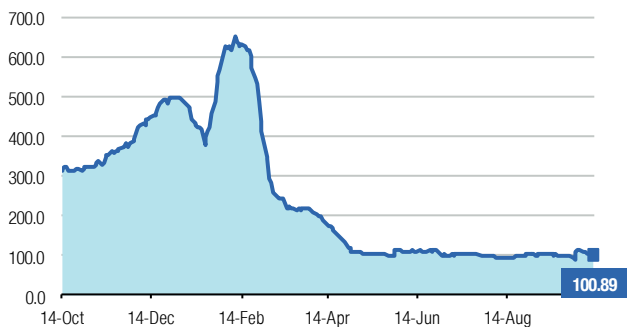


Sources: National Bank of Ukraine, Bloomberg, Investment Capital Ukraine LLC.



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)

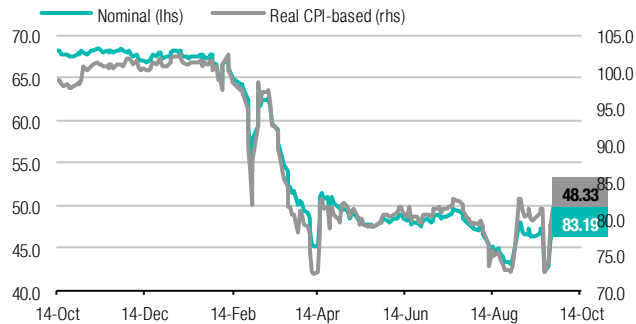


Note: * 30-day moving average; The boxes of the right chart show high and low values. Sources: NBU, State Statistics Service of Ukraine, Bloomberg, Investment Capital Ukraine LLC.

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

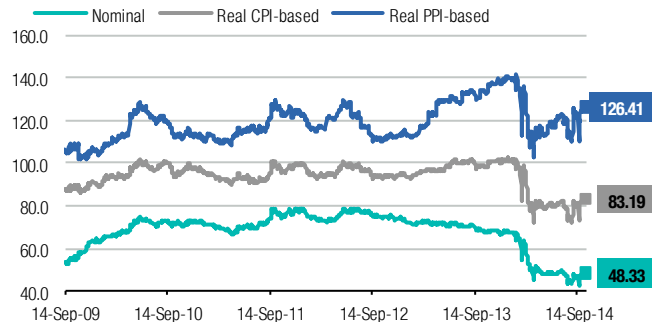
The following charts depict ICU's Ukrainian hryvnia trade-weighted indices which were calculated in accordance with methodology published in the [Quarterly Report "Keep the music playing"](#) dated 31 January 2013 and, then, updated, in the [Quarterly Report "Muddling through no more"](#) dated 14 August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

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



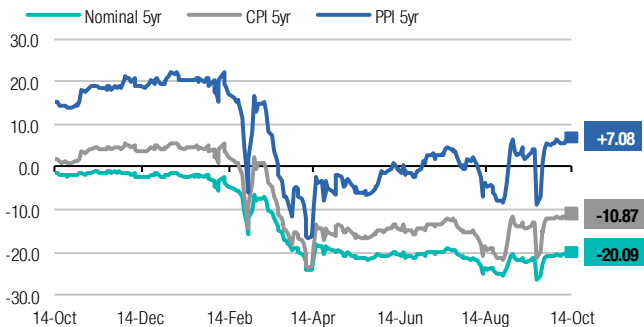
Note: The boxes indicate the last values of the depicted indicators.
Source: Investment Capital Ukraine LLC.

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

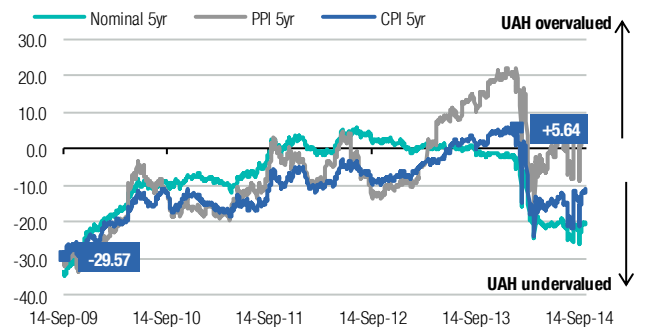


Note: The boxes indicate the last values of the depicted indicators.
Source: Investment Capital Ukraine LLC.

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)

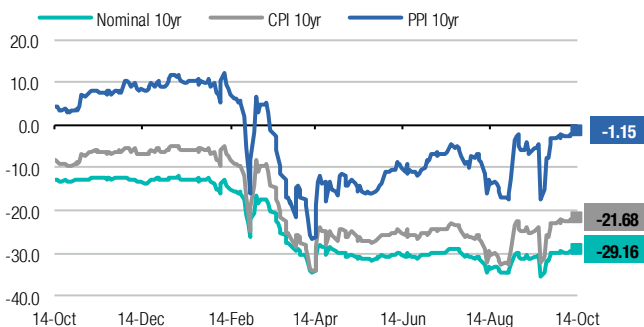


Note: The boxes indicate the last values of the depicted indicators.
Source: Investment Capital Ukraine LLC.

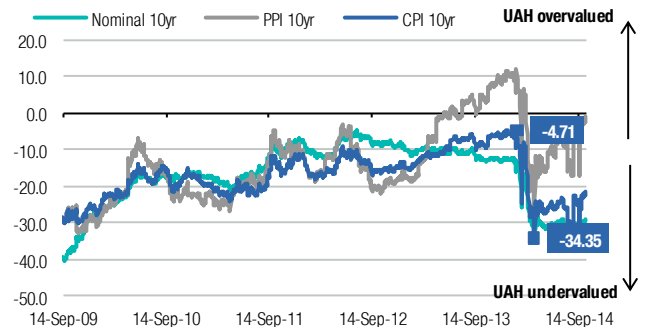


Note: the boxes indicate the high and low values of CPI-based TWI.
Source: Investment Capital Ukraine LLC.

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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