



Focus  
**Ukraine**

Scope  
**Economics, bonds, equity &  
FX markets**

Research team  
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# Daily Insight

## Geopolitics: Minsk talks fail to happen

### Contents

<b>Economics: News &amp; Comments</b>	<b>2</b>
Geopolitics: Minsk talks fail to happen.....	2
<b>Bonds: News &amp; Comments</b>	<b>3</b>
Liquidity steady due to inflows.....	3
Eurobond market corrects slightly .....	3
Unscheduled FX financing.....	3
Chart page: Local bond market & Eurobond markets.....	4
<b>FX: News &amp; Comments</b>	<b>6</b>
Hryvnia down amid global rout .....	6
Chart page #1: Foreign-exchange market.....	7
Chart page #2: ICU's UAH trade-weighted indices.....	8

**FRIDAY, 12 DECEMBER 2014**

### UX Index (3 months to 12 Dec 2014)



Source: UX.

### Key market indicators (as of 11 Dec 2014)

	Last	Daily chg (%)	YTD chg (%)
<b>FX &amp; MONEY RATES</b>			
USD/UAH	15.7222	+0.14	+90.80
USD/UAH (1Y NDF)	18.2500	+0.00	+93.74
EUR/USD	1.2411	-0.30	-9.69
USD/RUB	55.7178	+1.59	+69.51
KievPRIME O/N (%)	15.25	+45bp	+745bp
KievPRIME 1M (%)	18.75	-25bp	+250bp

### SOVEREIGN EUROBONDS: yields and spreads

Ukraine 15, Eurobond (%)	50.03	+416bp	+4,168bp
Ukraine 17, Eurobond (%)	27.15	+30bp	+1,759bp
Ukraine 22, Eurobond (%)	14.77	-61bp	+542bp
Ukraine 23, Eurobond (%)	14.02	-73bp	+498bp
Ukraine 5Y CDS	2,107bp	-23bp	+1,290bp

### EQUITIES

#### Stock market indices

UX (Ukraine)	943.18	+1.17	+3.64
MSCI World	414.33	-0.11	+1.41
MSCI EM	946.04	-1.32	-5.65
RTS (Russia)	824.01	-3.63	-42.89
WIG-20 (Poland)	2,379.60	+0.34	-0.89
S&P 500 (USA)	2,035.33	+0.45	+10.12

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

### Geopolitics: Minsk talks fail to happen

Despite their best efforts since last week, Western powers were unable to get Russian and Ukrainian authorities to agree to reconvene for peace talks in Minsk by this Friday. Moreover, neither side could agree to a ceasefire, and the Ukrainian army continues to suffer numerous fatalities in Donbas daily. Developments unravel further as a media report alleged that the Russian army was pushed back from the Kherson territory to Crimea, suggesting that pro-Russia militants lost control of Russian command or, more likely, that the Kremlin prefers to have them disorganized and allow chaos to reign.

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# Bonds: News & Comments

## Liquidity steady due to inflows

Broader banking sector liquidity slid a mere UAH0.18bn yesterday to UAH49.73bn as banks' correspondent accounts with the NBU rose UAH1.43bn to UAH31.40bn while total CDs outstanding declined UAH0.85bn to UAH13.35bn. Total debt repayments scheduled for the next 30 days fell UAH0.75bn to UAH4.99bn.

KyivPrime interest rates slightly diverged: the KyivPrime ON interest rate rose 45bp to 15.25% while the KyivPrime 1M interest rate slid 25bp to 18.75%.

**Investment implications:** *Liquidity reallocation from debt repayments and CDs outstanding to banks' correspondent accounts caused broader banking sector liquidity to remain steady. The NBU also issued additional UAH0.77bn of its loans on Wednesday. Liquidity remained steady only due to NBU injections.*

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## Eurobond market corrects slightly

After increasing significantly on Wednesday, the yield curve adjusted to 14.03-50.04% yesterday, with correction at the long-term end, due to a slight tightening of spreads.

**Investment implications:** *While assurances from Ukraine's officials that the country's financing needs will not result in default appear to have caused spreads to tighten at the long-term end of the yield curve, spreads widened at the short-term end.*

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## Unscheduled FX financing

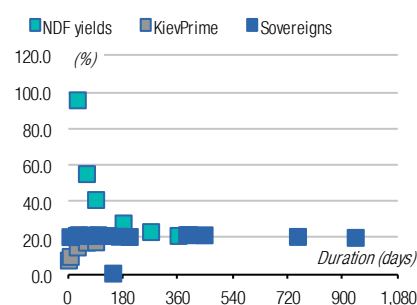
Following Tuesday's successful auction that raised significant funds, the MoF held an additional auction yesterday also offered a USD-denominated bond. UAH1.50bn of bonds at the standard 17.60% was sold, providing the state budget with a total of UAH4.5bn this week.

**Investment implications:** *FX-denominated bonds are rarely offered not often and demand was minimal at best. Although the MoF anticipated no demand for FX-denominated bonds, following the US\$233.87m repayment made on Wednesday, the MoF scheduled an immediate refinancing because of upcoming FX repayments. While scheduled domestic payments amount to US\$107.20m through the end of this year and US\$153.45 in the first week of 2015, external debt will require an additional US\$235.05m. As a first step in refinancing upcoming FX repayments, possibly from a bank that received a recent FX redemption, the MoF has FX-denominated bonds offering scheduled for next week's auction.*

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## Yield curve of the local bond market

(as of market close on 11 Dec 2014)



Sources: Bloomberg, Investment Capital Ukraine LLC.

## Bond market indicators (as of 11 Dec 2014)

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

### MONEY MARKET KIEV PRIME RATES (%)

O/n	15.25	+45bp	+258bp	+537bp	+745bp
1wk	16.75	+55bp	+308bp	+575bp	+695bp
1m	18.75	-25bp	+142bp	+225bp	+250bp
2m	19.50	+10bp	+150bp	+150bp	+310bp
3m	19.50	+10bp	+150bp	+150bp	+350bp

### LIQUIDITY WIDE MEASUREMENT (UAHm)

CB acc's <sup>1</sup>	31,397	+4.76	+10.26	-7.32	-3.99
CDs <sup>2</sup>	13,349	-5.97	-6.08	-5.83	+1,793.5
Sovgns <sup>3</sup>	3,719	+0.00	-7.73	-25.05	+148.7
<b>Total</b>	<b>48,464</b>	<b>+1.21</b>	<b>+3.74</b>	<b>-8.58</b>	<b>+38.86</b>

### 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 <sup>4</sup>	N/A	N/A	N/A	N/A	N/A
Non-res <sup>5</sup>	N/A	N/A	N/A	N/A	N/A
<b>Total</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>

### 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 <sup>6</sup>	N/A	+87bp	+0bp	+0bp	-77ppt

### EUROBONDS USD SOVEREIGN BOND YIELDS (%)

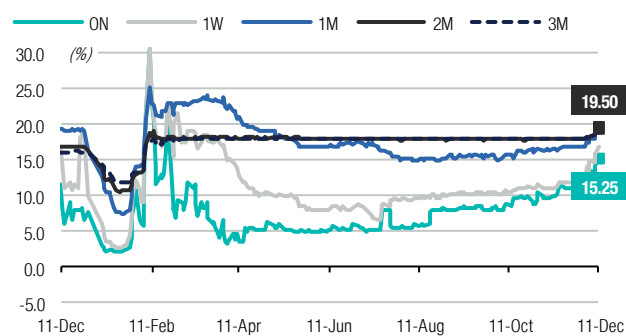
CDS 5yr	2,107	-23bp	+357bp	+732bp	+13bp
Jun '16	34.71	+207bp	+880bp	+18bp	+26bp
Jul '17	27.15	+30bp	+449bp	+11bp	+18bp
Sep '20	17.13	+2bp	+272bp	+533bp	+793bp
Sep '21	16.95	+1bp	+271bp	+514bp	+773bp
Sep '22	14.77	-61bp	+101bp	+331bp	+542bp
Feb '23	14.02	-73bp	+66bp	+261bp	+498bp

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.

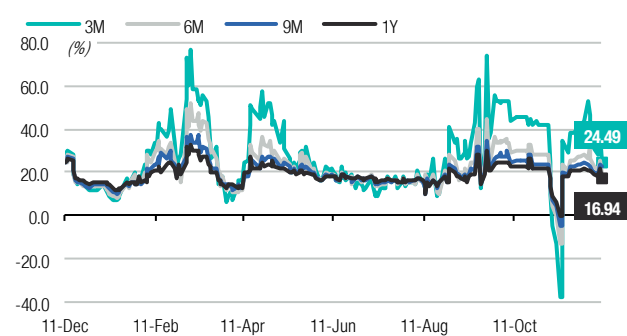
## Chart page: Local bond market &amp; Eurobond markets

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



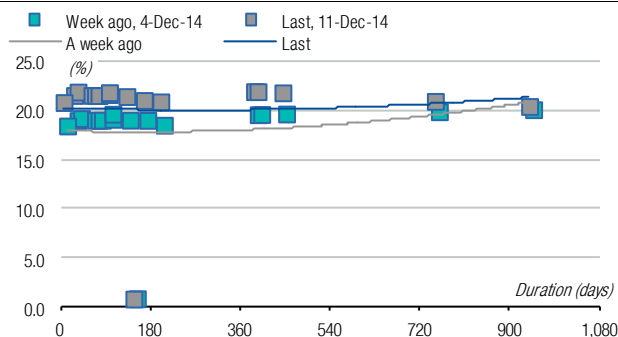
Sources: Bloomberg, Investment Capital Ukraine LLC.

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



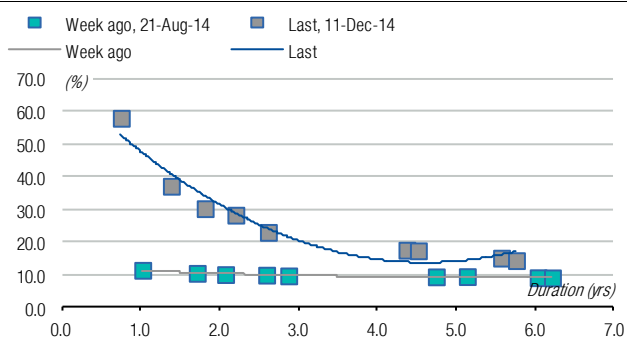
Sources: Bloomberg, Investment Capital Ukraine LLC.

Chart 3. UAH sovereign yield curve (%) as of 11 Dec 2014



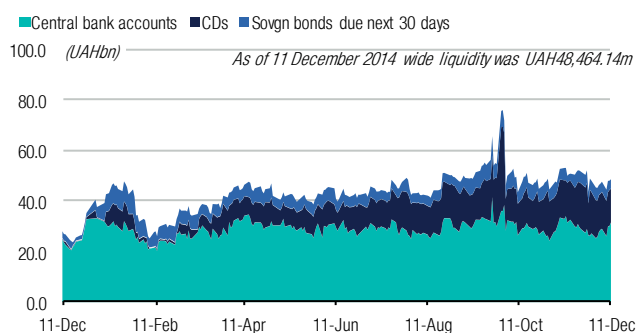
Sources: Bloomberg, Investment Capital Ukraine LLC.

Chart 4. USD sovereign yield curve (%) as of 11 Dec 2014



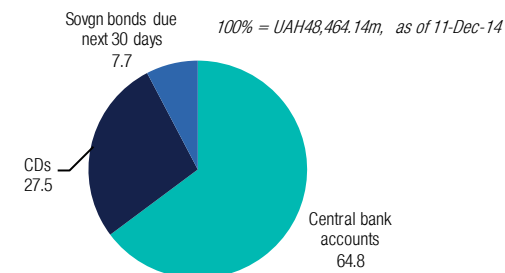
Sources: Bloomberg, Investment Capital Ukraine LLC.

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



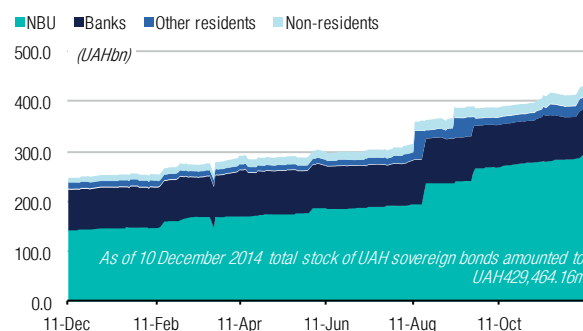
Sources: National Bank of Ukraine, Ministry of Finance of Ukraine, ICU.

Chart 6. Breakdown of liquidity pool (%) as of 11 Dec 2014



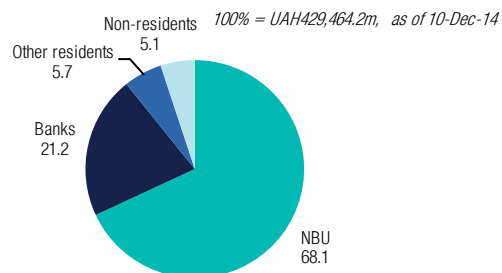
Sources: National Bank of Ukraine, Ministry of Finance of Ukraine, ICU.

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 11 Dec 2014



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

Table 1. Ukrainian stocks (closing prices as of 11-Dec-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)	2014	2015E	2016E	2014	2015E	2016E	2014	2015E	2016E	P/B (x)	Debt/ Assets (%)
ENERGY																											
Cadogan Petrol...	CAD LN	London	10.63 GBp	+0.0	+1.2	+2.4	-9.6	0.17	38.6	-9.0	40.2	15.5	8.4	18.4	0.18	556	Neg.	N/A	N/A	1.3	N/A	N/A	Neg.	N/A	N/A	0.3	0.0
Centrenerg	CEEN UK	Kiev, UX	7.18 UAH	+1.2	+1.6	+50.5	+47.6	0.45	167.9	212.9	21.7	36.5	66.1	43.0	0.14	720	5.4	4.7	7.1	0.3	3.8	3.9	0.5	0.3	0.3	1.1	16.3
Coal Energy	CLE PW	Warsaw	0.76 PLN	+0.0	-5.0	-27.6	-51.6	0.23	10.2	136.1	25.0	2.5	6.9	20.0	0.63	158	Neg.	N/A	N/A	6.0	N/A	N/A	1.1	N/A	N/A	0.1	39.8
Donbasenergo	DOEN UK	Kiev, UX	30.18 UAH	+3.9	+1.9	+9.4	+11.1	1.91	45.2	95.5	14.2	6.4	2.6	6.0	0.07	1,491	1.3	1.3	1.4	0.1	1.9	1.5	0.3	0.2	0.3	1.1	25.1
JKX Oil & Gas	JKX LN	London	13.75 GBp	-3.5	-63.8	-80.8	-80.4	0.22	37.1	42.3	47.2	17.5	195.3	34.9	0.64	157	5.7	6.2	1.1	0.6	0.8	0.7	0.2	0.3	0.2	0.1	5.5
Regal Petroleum	RPT LN	London	4.28 GBp	-10.5	-31.6	-67.1	-71.0	0.07	21.6	-8.5	80.9	17.4	0.0	2.8	0.02	6,321	Neg.	10.8	N/A	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	0.2	0.0
Zakhidenergo	ZAEN UK	Kiev, PFTS	152.70 UAH	+0.0	+9.9	+68.9	+69.5	9.68	123.8	135.9	5.0	6.2	0.0	2.0	0.02	6,467	3.4	N/A	N/A	0.9	N/A	N/A	0.2	N/A	N/A	1.3	0.0
METALLURGY																											
Alchevsky Meta...	ALMK UK	Kiev, UX	0.01 UAH	-1.3	-12.9	-62.1	-63.1	0.00	24.0	1,839.0	3.9	0.9	0.6	1.4	0.16	632	Neg.	Neg.	N/A	Neg.	Neg.	N/A	2.0	1.2	N/A	N/A	85.7
Avdiivivsky Cok...	AVDK UK	Kiev, UX	1.68 UAH	-3.9	-18.0	-43.2	-45.0	0.11	20.8	17.7	4.0	0.8	1.2	2.5	0.23	432	Neg.	164.0	0.4	0.0	0.7	N/A	0.0	0.0	0.0	0.1	0.1
Azovstal	AZST UK	Kiev, UX	0.66 UAH	+2.0	-4.1	-1.6	-4.6	0.04	175.5	N/A	4.1	7.2	11.1	10.0	0.08	1,227	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	57.35 GBp	-6.0	-28.5	-69.1	-65.8	0.90	531.0	733.5	22.4	119.0	1,303.7	814.1	0.79	126	2.0	2.0	4.4	1.5	1.6	2.4	0.5	0.5	0.5	0.5	35.1
Yasynivsky Cok...	YASK UK	Kiev, UX	0.25 UAH	-13.8	-26.5	-52.8	-54.5	0.02	4.3	5.0	9.0	0.4	0.7	0.9	0.15	689	Neg.	0.5	0.3	0.1	0.3	N/A	0.0	0.0	0.0	0.0	0.0
Yenakievo Steel	ENMZ UK	Kiev, UX	19.63 UAH	-0.1	+6.9	-38.7	-39.5	1.24	13.1	4.8	9.4	1.2	0.6	3.5	0.27	375	Neg.	Neg.	N/A	0.8	0.2	N/A	0.0	0.0	N/A	0.9	0.0
FOOD AND AGRIBUSINESS																											
AgroGeneration	ALAGR FP	EN Paris	0.47 EUR	-2.1	-4.1	-62.1	-63.3	0.58	53.8	107.3	34.0	18.3	7.8	14.3	0.08	1,286	Neg.	N/A	N/A	Neg.	N/A	N/A	1.6	N/A	N/A	1.0	35.9
Agroliga	AGL PW	Warsaw	10.10 PLN	+1.0	-4.2	-61.0	-59.1	3.00	4.6	5.4	16.7	0.8	0.3	3.1	0.47	212	1.2	N/A	N/A	1.6	N/A	N/A	0.3	N/A	N/A	0.4	5.7
Agroton	AGT PW	Warsaw	1.40 PLN	+0.7	-8.5	-28.2	-28.9	0.42	9.0	54.3	26.2	2.4	13.8	35.5	1.86	54	Neg.	1.3	1.1	20.3	18.1	N/A	0.7	0.6	0.7	0.1	28.4
Astarta Holdin...	AST PW	Warsaw	18.55 PLN	+0.1	-6.0	-72.3	-70.8	5.51	137.6	378.9	31.0	42.7	9.4	102.4	0.30	333	4.3	Neg.	2.4	5.0	3.2	3.5	0.8	0.8	0.8	0.4	38.2
Avangard	AVGR LI	London Intl	3.70 USD	-17.8	-38.3	-68.5	-68.3	3.70	236.3	447.6	21.7	51.3	16.5	29.7	0.03	2,858	1.0	2.1	1.9	1.5	2.5	2.6	0.7	0.8	0.8	0.3	17.8
IMC	IMC PW	Warsaw	5.95 PLN	-0.8	-11.9	-51.0	-53.2	1.77	55.3	194.5	23.9	13.2	0.7	11.8	0.05	1,869	2.1	Neg.	2.1	3.6	3.7	3.9	1.7	1.2	1.1	0.4	38.7
Kernel Holding...	KER PW	Warsaw	29.43 PLN	+2.0	+28.0	-22.7	-21.0	8.74	696.1	1,340.2	58.8	409.1	774.7	979.2	0.33	307	Neg.	4.4	4.3	6.0	3.9	4.2	0.6	0.5	0.5	0.7	39.1
KSG Agro	KSG PW	Warsaw	1.18 PLN	-0.8	-4.1	-89.1	-88.1	0.35	5.3	116.4	34.4	1.8	1.2	81.0	2.19	46	Neg.	0.4	0.3	13.4	N/A	N/A	1.6	1.2	1.0	0.3	44.5
MHP	MHPC LI	London Intl	10.10 USD	+1.0	-1.9	-40.8	-36.4	10.10	1,067.2	2,197.7	22.3	238.2	59.9	385.7	0.09	1,060	6.8	18.8	3.8	5.6	4.5	4.4	1.5	1.6	1.4	2.1	47.0
Milkiland	MLK PW	Warsaw	1.86 PLN	-4.1	-25.0	-85.1	-84.5	0.55	17.3	141.8	20.0	3.5	1.0	8.2	0.43	235	1.3	Neg.	43.1	4.3	4.7	4.3	0.3	0.4	0.4	0.1	30.8
Mriya Agrohold...	MAYA GF	Frankfurt	1.01 EUR	+0.0	-29.7	-81.4	-81.0	1.24	132.3	860.1	20.0	26.5	0.0	0.8	0.00	38,219	1.5	1.5	0.6	5.2	3.2	2.9	1.7	2.0	2.0	0.3	45.3
CONSTRUCTION																											
TMM	TR61 GF	Xetra	0.12 EUR	+0.0	-29.4	-62.1	-59.6	0.15	7.7	134.8	13.1	1.0	0.0	0.1	0.02	4,887	Neg.	N/A	N/A	Neg.	N/A	N/A	4.0	N/A	N/A	0.1	45.5
FINANCIAL SERVICES																											
Raiffeisen Ban...	BAVL UK	Kiev, UX	0.10 UAH	+1.8	-9.7	-14.5	-16.7	0.01	184.3	N/A	3.8	7.0	80.6	14.9	0.28	354	2.9	Neg.	15.2	N/A	N/A	N/A	N/A	N/A	N/A	0.5	22.4
Ukrsotsbank	USCB UK	Kiev, UX	0.14 UAH	+0.0	-3.4	-25.3	-17.3	0.01	218.9	N/A	4.5	9.8	0.0	0.9	0.00	43,536	Neg.	14.1	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

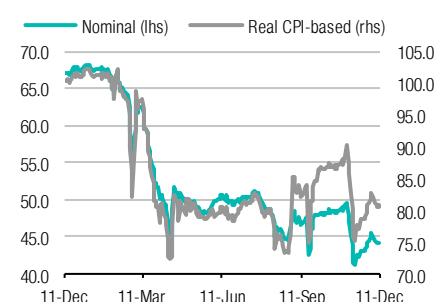
## Hryvnia down amid global rout

The hryvnia declined further under close oversight of the NBU. The central bank is unable to fight against the global impact of declining commodity prices and the rising US dollar.

**Alexander Valchyshen, Kiev, +38044 2200120 ext.242**

### ICU's UAH trade-weighted indices

(Last 12-month history to 12 Dec 2014)



Source: Investment Capital Ukraine LLC.

### FX market indicators (as of 11 Dec 2014)

	Last	Daily	Weekly	MoM	YTD
	chg (%)	chg (%)	chg (%)	chg (%)	chg (%)
<b>USD/UAH MARKET (HRYVNIA per US DOLLAR)</b>					
Spot mkt	15.7222	+0.14	+2.42	-0.81	+90.80
NBU avg	15.6723	+0.16	+2.46	-0.63	+92.28
Ttl vlm <sup>1</sup>	250.87	+11.80	-16.67	+7.97	-91.05
\$ volume <sup>2</sup>	183.78	+9.27	-20.59	+16.23	-91.69
NDF 3M	16.6500	+0.00	+0.00	+16.03	+96.23
NDF 6M	17.6250	+2.47	+2.47	+19.09	+100.7
NDF 1Y	18.2500	+0.00	+0.00	+15.87	+93.74
<b>TRADE-WEIGHTED INDICES (TWIs, points)</b>					
UAH nom'l	44.235	+0.51	-1.53	+6.80	-34.50
UAH real CPI	80.738	+0.51	-1.53	+6.80	-20.12
UAH real PPI	118.039	+0.51	-1.53	+6.80	-14.95
USD nom'l	88.663	+0.44	-0.05	+1.29	+10.78
<b>FX RATES OF KEY CURRENCIES THAT SHAPE UAH's TWIs</b>					
USD/RUB	55.7178	+1.59	+2.32	+19.33	+69.51
EUR/USD	1.2411	-0.30	+0.26	-0.51	-9.69
USD/CNY	6.1889	+0.22	+0.55	+1.04	+2.22
USD/PLN	3.3625	+0.21	+0.11	-0.51	+11.23
USD/TRY	2.2780	+0.53	+1.97	+0.95	+6.04
USD/BYR	10,950.00	+0.00	+0.74	+1.72	+14.78
USD/KZT	181.9800	+0.05	-0.26	+0.61	+17.96
<b>OTHER MAJOR CURRENCIES</b>					
USD/JPY	118.6500	+0.70	-0.94	+2.48	+12.67
GBP/USD	1.5732	+0.11	+0.38	-1.17	-4.98
USD/CHF	0.9679	+0.16	-0.35	+0.35	+8.40
AUD/USD	0.8272	-0.55	-1.32	-4.77	-7.23
USD/CAD	1.1521	+0.34	+1.20	+1.63	+8.45
USD/BRL	2.6523	+1.36	+2.37	+3.76	+12.29
USD/KRW	1,100.84	-0.15	-1.31	+0.84	+4.86
<b>COMMODITIES</b>					
Gold(\$/oz)	1,227.54	+0.07	+1.85	+5.43	+1.82
WTI crude <sup>3</sup>	59.95	-1.62	-10.27	-23.08	-39.09
Brent crd <sup>3</sup>	62.78	-1.49	-9.03	-21.86	-43.35
Urals crd <sup>3</sup>	N/A	+0.00	+0.00	+0.00	+0.00
TR/J CRB <sup>4</sup>	245.42	-0.61	-3.03	-9.15	-12.40

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>).

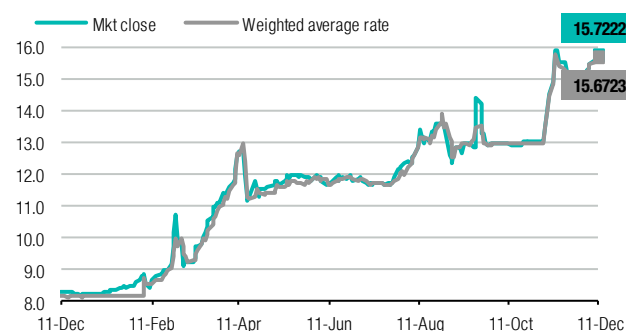
Section on FX market is continued on next page.

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.

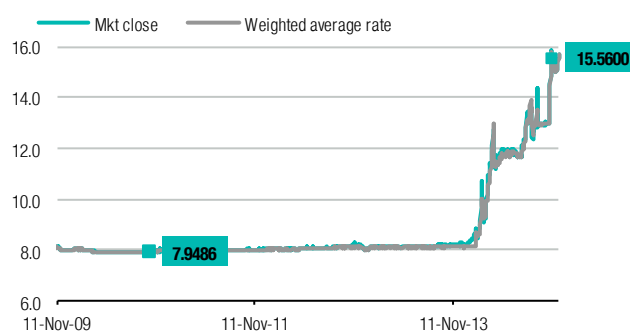
Sources: Bloomberg, Investment Capital Ukraine LLC.

## 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)

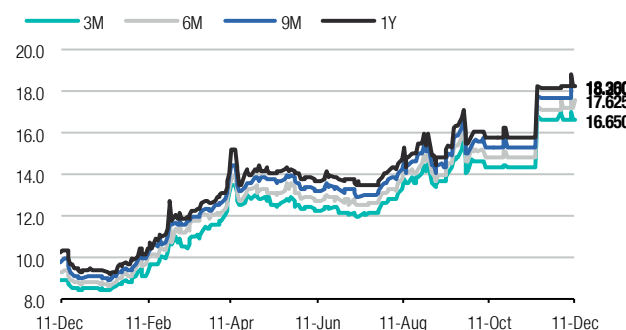


Sources: National Bank of Ukraine, Bloomberg, Investment Capital Ukraine LLC.

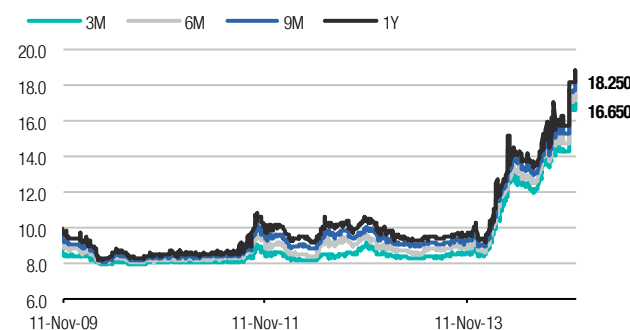


Sources: National Bank of Ukraine, Investment Capital Ukraine LLC.

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

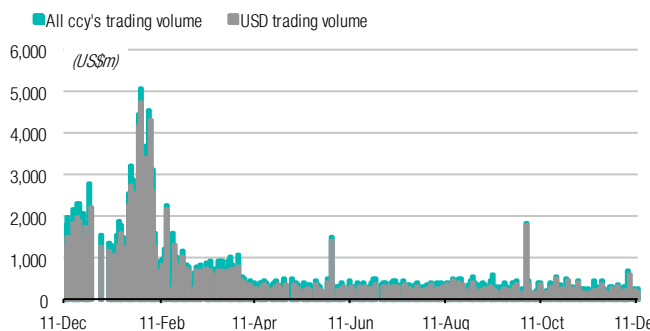


Sources: National Bank of Ukraine, Investment Capital Ukraine LLC.

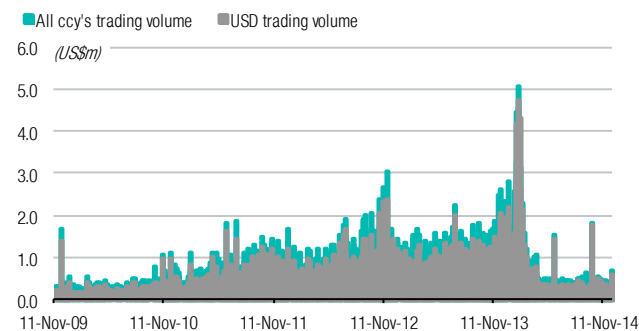


Sources: National Bank of Ukraine, Investment Capital Ukraine LLC.

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

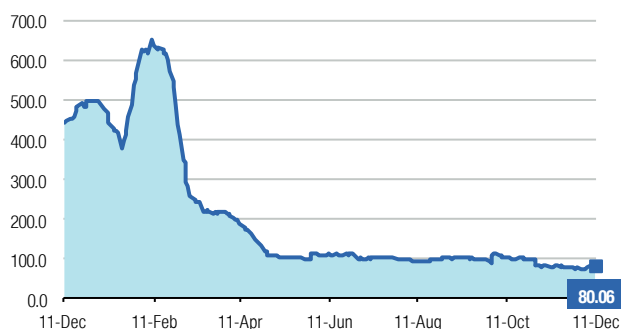


Sources: National Bank of Ukraine, Bloomberg, Investment Capital Ukraine LLC.



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)

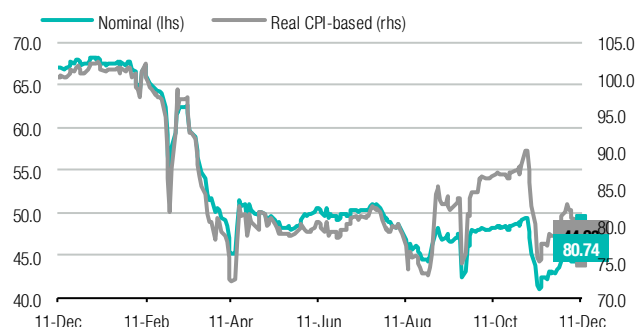


Note: \* 30-day moving average; The boxes of the right chart show high and low values. Sources: NBU, State Statistics Service of Ukraine, Bloomberg, Investment Capital Ukraine LLC.

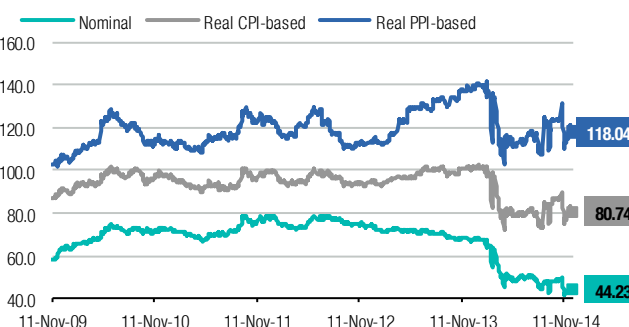
## Chart page #2: ICU's UAH trade-weighted indices

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.

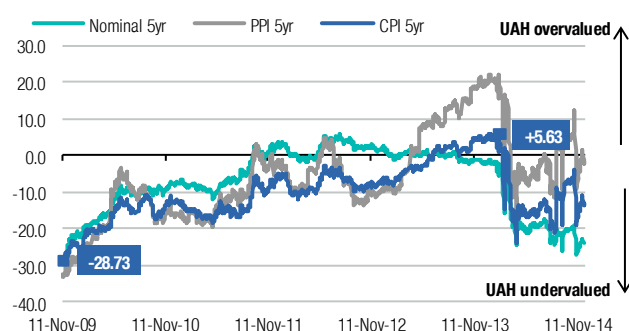
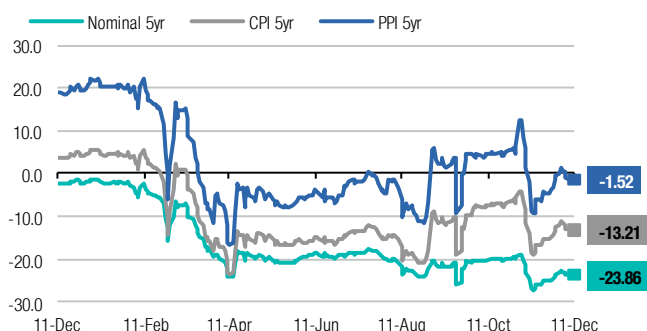
**Chart 13. Nominal and CPI-based real TWIs of UAH, history of last 12-month period**



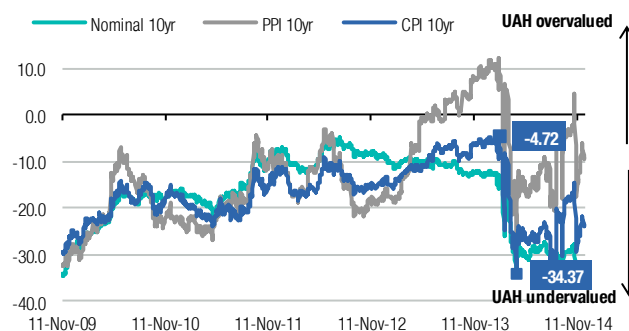
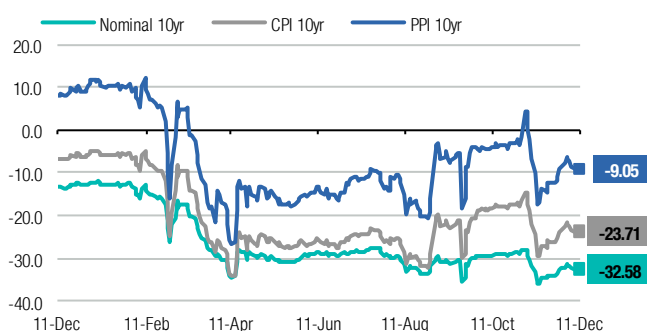
**Chart 14. Nominal, CPI- and PPI-based TWIs of UAH, history of last 5-year period**



**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)**



**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)**



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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

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