

Market Update

Equity

Ukrainian stocks started the week higher, with the UX index rising by 0.9% to close at 1017 points on Monday (Mar 30). Global investor sentiments were buoyed by hopes for stimulus to boost China's economy, and the strongly positive external environment helped the local market to recover early losses that saw the UX benchmark slip below the 1000 level for the first time in nearly two months. Among blue chips, CentrEnerg (CEEN) and Avdyivka Coke (AVDK) increased by 0.6% and 2.8% respectively. UkrNafta (UNAF) was nearly flat at UAH 303 per share, as it failed to react to news that state-owned NaftoGaz has officially recognized a UAH 3.75bn debt to the company for natural gas which Naftogaz received from UkrNafta during 2006-11. Raiffeisen Aval (BAVL) edged down by 0.9% to 9.30 kopecks. In London, Ferrexpo (FXPO) added 3.6% to close at GBp 64.00 and MHP (MHPC) climbed by 2.2% to USD 9.50. Warsaw-listed Agrotion (AGT) slid 6.0% to PLN 1.09 while Kernel (KER) advanced by 7.9% to get back to PLN 37.75 after several sessions of correction.

Fixed Income

Ukrainian sovereigns were up on Monday with Ukraine-23s rising by 2.1p.p. to close at 42.5/43.5 (24.7%/23.9%). Corporate names were flat. MHP-20s and Metinvest-18s finished unchanged at 65.0/66.0 (19.5%/19.1%) and 40.0/45.0 (50.4%/44.4%), respectively.

Volume Leaders	Ticker	Last, UAH	1D ch	Volume, UAH mn	Number of Trades
Ukrnafta	UNAF	302.90	0.2%	2.1	123
Motor Sich	MSICH	2512.00	-1.6%	1.4	73
Centrenerg	CEEN	7.84	0.6%	1.2	156

Growth Leaders

Azovstal	AZST	0.77	3.2%	0.02	18
Avdyivka Coke	AVDK	1.35	2.8%	0.46	16
Donbasenergo	DOEN	22.82	2.8%	0.02	29

Loss Leaders

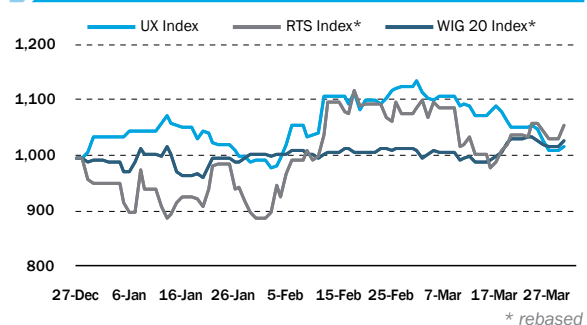
Alchevsk Steel	ALMK	0.01	-2.4%	0.011	26
Motor Sich	MSICH	2,512.00	-1.6%	1.369	73
Raiffeisen Bank Aval	BAVL	0.09	-1.0%	0.190	35

Highlights

STOCKS IN THE NEWS

- NaftoGaz Recognizes UAH 3.75bn Gas Debt to UkrNafta

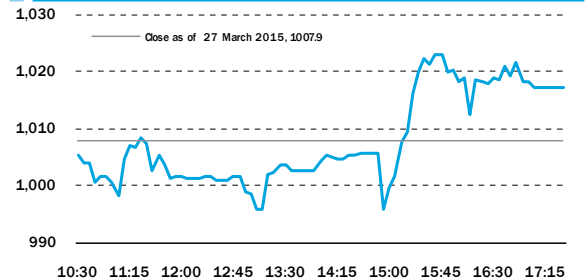
STOCK MARKET PERFORMANCE



MARKET INDEXES

	Last	1D ch	1M ch	YTD
UX	1017.3	0.9%	-9.6%	-1.6%
RTS	878.9	2.6%	-2.0%	11.2%
WIG20	2396.4	1.0%	1.2%	3.5%
MSCI EM	968.9	1.1%	-2.2%	1.3%
S&P 500	2086.2	1.2%	-0.9%	1.3%

UX INTRADAY MARCH 30, 2015



FIXED INCOME

	Last	1D ch	1M ch	YTD
EMBI+Global	407.1	-0.6%	1.2%	0.7%
CDS 5Y UKR	2619.0	-2.0%	17.8%	17.3%
Ukraine-17	50.4%	0.2 p.p.	5.0 p.p.	24.7 p.p.
Ferrexpo-16	30.4%	0.1 p.p.	-1.0 p.p.	-1.0 p.p.
Ukraine-23	23.7%	-1.1 p.p.	0.1 p.p.	16.2 p.p.
Privatbank-16	265.5%	1.1 p.p.	66.1 p.p.	180.1 p.p.

CURRENCY

	Last, UAH	1D ch	1M ch	YTD
USD	23.60	0.7%	-13.4%	49.2%
EUR	25.57	0.2%	-16.1%	33.6%
RUB	0.41	1.2%	-6.6%	49.2%

COMMODITIES

	Last	1D ch	1M ch	YTD
Wheat, USD/t*	208.2	0.0%	-1.6%	-15.4%
Steel, USD/t	380.0	-2.6%	-2.6%	-15.6%
Oil, USD/bbl	56.3	-0.2%	-10.9%	-4.9%
Gold, USD/oz	1186.1	-1.1%	-2.2%	0.1%

*Ukraine FOB

Source: Bloomberg, Ukrainian Exchange

NaftoGaz Recognizes UAH 3.75bn Gas Debt to UkrNafta

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UKRNAFTA (UNAF UK)

Price: UAH 303 Market Cap: USD 701mn

	P/B	EV/S	P/E	EV/EBITDA	Div. Yield
2014E	0.3	0.4	22.1	4.4	n/a
2015E	0.6	0.7	59.6	5.3	n/a

NEWS

State-owned natural gas monopoly NaftoGaz has recognized a debt of UAH 3.75bn to UkrNafta for 10.1bn cubic meters (cu-m) of gas which the former obtained from the latter over the 2006-2011 period, according to Naftogaz's consolidated financial statement unveiled on Friday (Mar 27). Naftogaz said that during 2006-2011, no agreements on natural gas sales had been concluded between UkrNafta and the company, nor had agreements on gas storage been signed between UkrNafta and UkrTransGaz. Despite the lack of commercial agreements, NaftoGaz sold UkrNafta's gas to households as prescribed by Ukrainian legislation at a subsidized price set by the National Energy Regulatory Commission (NERC). UkrNafta, which is 50% owned by the state through Naftogaz, is obligated to hand over all of its extracted natural gas to the Ukrainian government at a small nominal price in order to support subsidized household users.

COMMENTARY

The announced debt figure, equivalent to some USD 160mn, is less than 10% of what would be implied by market prices for 10bn cu-m of gas over the stated period. NaftoGaz has a 50% + 1 share in UkrNafta, but does not control the company's management, which is loyal to UkrNafta's largest minority shareholder Privat Group (owned by industrialist Igor Kolomoisky) with a 42% stake. Last June, at the initiative of Privat, UkrNafta received a court ruling allowing it to sell 2.0bn cu-m of natural gas pumped by the company into underground storages back in 2006. UkrNafta has not published its full-year 2014 financial report so we do not know whether the company sold the allowed amount of gas at a market price or at the confiscatory price of UAH 560 (USD 47 at average UAH/USD rate for the period) per 1,000 cu-m which the NERC set for UkrNafta's gas for 2014.

Although UkrNafta now has a stronger position in the dispute since NaftoGaz has officially recognized a debt, we are still skeptical that UkrNafta will be able to receive even this relatively small compensation from the state for its gas extracted in 2006-2011. It should be noted that since 2012, UkrNafta has been using most of its extracted gas to supply its Privat-controlled sister company, fertilizer producer DniproAzot, rather than giving it up to the Ukrainian government. UkrNafta's financial report for FY13 said that gas segment revenue brought in UAH 990mn in sales, or just 4% of total revenue, even though UkrNafta's annual gas extraction of around two billion cu-m per year would imply revenue of nearly 10 times that amount at market prices. We suppose that the previous arrangement that saw the confiscation of UkrNafta's gas by the state was part of an under-the-table compromise with the Ukrainian authorities that allowed Privat to maintain control over the company's much more lucrative oil business. The UNAF stock had no reaction to yesterday's news, which we see as neutral unless the real prospect of significant compensation appears.

EAVEX RECOMMENDATIONS

Name	Ticker	Price, per share	Target price, per share	Upside, %	Rating	Commentary
Agriculture						
Kernel	KER PW	37.8	50.2	33%	BUY	Hedging approach to making business, no devaluation risk, limited political risk due to lack of assets in the Donbass, and a U-turn in the farming segment in the 2014-15 season make Kernel's stock our current top investment story.
MHP	MHPC LI	9.5	17.96	89%	BUY	The company is set to reach full capacity utilisation at its greenfield Vinnytsia project in late 2014 on the back of favorable export and domestic markets demand for its poultry.
Astarta	AST PW	22.2	90.0	305%	BUY	Astarta's business leans on three pillars: sugar beet cultivation/processing, grain cultivation, and cattle farming. With sugar prices depressed since 2011, a favorable market for grain should continue to drive the company's profitability.
AvangardCo	AVGR LI	3.0	2.7	-11%	HOLD	Loss of the company's output at war-hit Donbass together with UAH devaluation will lead to lower EBITDA in 2015 after some 55% drop in 2014.
Ovostar Union	OVO PW	71.0	80.8	14%	HOLD	Ovostar is one of the hardest-hit Ukrainian public companies from this year's UAH devaluation as some 70% of its production cost is linked to USD while only 15% of revenue earned in hard currency.
Iron Ore						
Ferrexpo	FXPO LN	64.0	48.0	-25%	SELL	Exacerbated issue of global ore oversupply together with sluggish growth in demand will likely keep iron ore prices at depressed level at least in the short run boding bad for Ferrexpo's earnings.
Steel						
Azovstal	AZST	0.77	0.56	-28%	SELL	Non-transparent reporting practices detrimentally affect Azovstal's reported earnings.
Coke						
Avdyivka Coke	AVDK	1.35	U/R	--	Susp.	Avdyivka Coke experienced several artillery attacks since August 2014 due to its location near the border of occupied territory.
Specialized Machinery						
Motor Sich	MSICH	2512	5250	109%	BUY	Motor Sich should see its sales grow with a 2012-2016E CAGR of 9%, reaching USD 1.2bn. For 2012-2016, we forecast an average EBITDA margin of 35% and a net margin of 28%.
Turboatom	TATM	5.00	8.9	78%	BUY	We model Turboatom's revenue as increasing at 18% CAGR over 2012-2015. Deliveries of hydro and steam turbines to export markets will remain the company's key revenue drivers.
Oil & Gas						
Concern Galnaftogaz	GLNG	0.15	0.24	60%	BUY	Galnaftogaz is pursuing a plan to aggressively expand its filling station network.
Regal Petroleum	RPT	4.8	U/R	--	U/R	The company has been constantly missed production targets since 2012.
JKX Oil & Gas	JKX	32.3	U/R	--	U/R	The launch of extraction at JKX's Russian gas field has lifted output, but the company's higher-margin Ukrainian operations continue to lag behind expectations.
Power Utilities						
DonbasEnergO	DOEN	22.8	U/R	--	U/R	DNR Intends to Nationalize DonbasEnergO-Owned Power Plant. The Starobeshevo plant accounts for about 70% of DonbasEnergO's installed power-generating capacity.
CenterEnergO	CEEN	7.84	15.00	91%	BUY	CentrEnergO's privatization has been postponed, but the company retains a strong fundamental value due to its large installed electricity generation capacity.
Banks						
Raiffeisen Bank Aval	BAVL	0.093	0.24	158%	BUY	The bank has quite conservative risk policy therefore we assume it would weathered the current financial crisis in Ukraine and will start to generate solid profit starting from FY16.

Source: Eavex Research

PRICES AND QUOTES

Name	Ticker	Today, UAH*	52 high, UAH*	52 low, UAH*	Absolute performance				Performance relative to the UX index			
					1d	1w	1m	ytd	1d	1w	1m	ytd
UX Index	UX	1017.28	1368.76	908.88	0.9%	-3.3%	-9.6%	-1.6%	0.0%	0.0%	0.0%	0.0%
Steel												
Alchevsk Steel	ALMK	0.012	0.045	0.011	-1.6%	-0.8%	-20.5%	-17.2%	-2.6%	2.4%	-11.0%	-15.7%
Azovstal	AZST	0.77	0.95	0.35	3.2%	-2.3%	-9.4%	3.1%	2.3%	1.0%	0.1%	4.6%
Enakievo Steel	ENMZ	18.00	65.00	14.81	0.0%	2.9%	-2.4%	-14.1%	-0.9%	6.1%	7.1%	-12.5%
Coke												
Avdyivka Coke	AVDK	1.35	3.62	1.10	0.6%	-2.4%	-11.7%	-22.1%	-0.3%	0.9%	-2.1%	-20.6%
Yasnivsky Coking	YASK	0.38	0.84	0.18	0.0%	0.0%	8.6%	35.7%	-0.9%	3.3%	18.1%	37.3%
Iron Ore Mining												
Centralny GOK	CGOK	8.80	n/a	n/a	0.0%	-4.3%	2.3%	13.0%	-0.9%	-1.1%	11.9%	14.5%
Ferrexpo	FXPO	64.00	162.10	47.91	3.6%	8.5%	-2.3%	20.8%	2.7%	11.7%	7.3%	22.3%
Pivnichny GOK	SGOK	8.30	12.30	4.44	0.0%	0.0%	-8.8%	-0.8%	-0.9%	3.3%	0.8%	0.7%
Coal Mining												
Pokrovske Mine	SHCHZ	0.48	0.79	0.17	0.0%	0.0%	0.0%	2.1%	-0.9%	3.3%	9.6%	3.7%
Pipe Manufacturing												
Khartsyzk Pipe	HRTR	0.45	1.01	0.20	0.0%	12.5%	-19.6%	18.4%	-0.9%	15.8%	-10.1%	20.0%
Railcar Manufacturing												
Kryukiv Wagon	KVBZ	11.34	21.60	10.00	4.3%	3.1%	-8.9%	-11.8%	3.4%	6.3%	0.6%	-10.2%
Luhanskeplovoz	LTPL	1.50	1.80	0.85	0.0%	0.0%	-16.7%	38.9%	-0.9%	3.3%	-7.1%	40.4%
Specialized Machinery												
Motor Sich	MSICH	2512	2939	1587	0.2%	-9.2%	-10.3%	1.2%	-0.7%	-6.0%	-0.8%	2.7%
Turboatom	TATM	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Telecom												
Ukrtelecom	UTLM	0.15	0.20	0.09	0.0%	1.0%	-1.9%	0.0%	-0.9%	4.3%	7.6%	1.6%
Oil & Gas												
Regal Petroleum	RPT	4.75	11.50	3.13	11.8%	4.4%	3.9%	52.0%	10.8%	7.7%	13.5%	53.6%
JKX Oil	JKX	32.25	62.00	11.00	0.0%	-3.7%	-10.7%	168.8%	-0.9%	-0.5%	-1.2%	170.3%
Ukrnafta	UNAF	302.9	375.0	54.0	0.7%	-0.9%	-6.5%	49.0%	-0.2%	2.3%	3.0%	50.5%
Power Utilities												
Centrenergo	CEEN	7.84	8.70	3.00	0.6%	-3.0%	-1.9%	4.0%	-0.4%	0.2%	7.6%	5.5%
Donbasenergo	DOEN	22.82	50.16	11.00	1.1%	4.8%	-23.7%	-30.8%	0.2%	8.0%	-14.1%	-29.3%
Zakhidenergo	ZAEN	165.1	199.8	91.2	0.0%	-5.8%	5.2%	11.5%	-0.9%	-2.5%	14.8%	13.0%
Consumer												
Agroton	AGT	1.09	3.19	1.09	-6.0%	-12.1%	-17.4%	-11.4%	-7.0%	-8.8%	-7.9%	-9.8%
Astarta	AST	22.20	48.22	14.50	-1.3%	-2.0%	-10.5%	11.0%	-2.2%	1.2%	-0.9%	12.6%
Avangardo	AVGR	3.00	10.27	1.83	-9.0%	-1.5%	4.2%	46.3%	-9.9%	1.8%	13.7%	47.9%
Industrial Milk Company	IMC	5.45	10.39	5.00	0.0%	-0.9%	-8.6%	-3.9%	-0.9%	2.3%	1.0%	-2.3%
Kernel	KER	37.76	38.89	22.00	7.9%	-1.1%	18.0%	32.7%	7.0%	2.1%	27.6%	34.2%
Mriya Agro Holding	MAYA	0.43	5.25	0.36	0.0%	0.0%	17.9%	-23.7%	-0.9%	3.3%	27.4%	-22.1%
MHPC	MHPC	9.50	15.77	8.24	2.2%	2.8%	2.7%	3.3%	1.2%	6.1%	12.3%	4.8%
Milkiland	MLK	2.38	8.59	1.48	3.9%	-13.8%	-19.0%	60.8%	3.0%	-10.5%	-9.5%	62.4%
Ovostar Union	OVO	71.00	76.74	64.00	2.2%	2.2%	1.4%	-1.4%	1.2%	5.4%	11.0%	0.2%
Chemicals												
Stirol	STIR	8.80	n/a	n/a	0.0%	0.0%	0.0%	27.0%	-0.9%	3.3%	9.6%	28.5%
Banks												
Raiffeisen Bank Aval	BAVL	0.093	0.190	0.086	-1.3%	-6.9%	-11.8%	-3.0%	-2.2%	-3.6%	-2.2%	-1.5%
UkrSotsbank	USCB	0.109	0.200	0.090	0.0%	0.0%	-1.4%	-16.7%	-0.9%	3.3%	8.2%	-15.1%

Source: Bloomberg

* companies listed abroad are in traded currency

MAIN FINANCIAL FORECASTS, USD mn

Name	Ticker	Net Sales			EBITDA			EBITDA margin			Net Profit			Net Profit margin		
		2013	2014E	2015E	2013	2014E	2015E	2013	2014E	2015E	2013	2014E	2015E	2013	2014E	2015E
Steel																
Alchevsk Steel	ALMK	1,729	700	346	-62	-83	-124	neg	neg	neg	-214	-1,683	-235	neg	neg	neg
Enakievo Steel	ENMZ	1,507	1,250	1,063	-7	45	51	neg	3.6%	4.8%	-61	-125	-59	neg	neg	neg
Azovstal	AZST	2,562	1,793	1,524	-81	153	114	neg	8.5%	7.5%	-308	77	50	neg	4.3%	3.3%
Coke																
Avdyivka Coke	AVDK	914	509	382	46	-54	-57	5.0%	neg	neg	-6	-75	-82	neg	neg	neg
Yasynivsky Coking	YASK	367	198	159	29	-4	-7	7.8%	neg	neg	-3	-13	-13	neg	neg	neg
Iron Ore Mining																
Centralny GOK	CGOK	679	611	550	312	223	165	46.0%	36.5%	30.1%	194	115	80	28.6%	18.8%	14.6%
Pivnichny GOK	SGOK	1,630	1,467	1,320	914	649	481	56.1%	44.2%	36.4%	548	324	226	33.7%	22.1%	17.2%
Ferrexpo	FXPO	1,581	1,388	1,059	506	496	256	32.0%	35.8%	24.2%	264	184	98	16.7%	13.2%	9.2%
Pipe Manufacturing																
Khartsyzk Pipe	HRTR	310	193	92	31	43	18	10.1%	22.6%	19.3%	5	23	2	1.5%	11.7%	2.0%
Railcar Manufacturing																
Luhanskteplovoz	LTPL	329	127	n/a	36	-2	n/a	10.8%	neg	n/a	19	-16	n/a	5.9%	neg	n/a
Kryukiv Wagon	KVBZ	462	133	67	50	-6	5	10.9%	neg	7.5%	42	-23	-4	9.0%	neg	neg
Specialized Machinery																
Turboatom	TATM	214	164	114	90	73	36	42.1%	44.6%	32.0%	72	53	23	33.5%	32.4%	20.0%
Motor Sich	MSICH	1,053	879	460	384	342	158	36.5%	38.9%	34.3%	162	129	67	15.4%	14.7%	14.5%
Telecom																
Ukrtelecom	UTLM	791	368	224	190	105	71	24.0%	28.5%	31.5%	17	16	8	2.2%	4.3%	3.5%
Oil & Gas																
Ukrnafta	UNAF	2,589	1,808	1,059	286	160	132	11.1%	8.8%	12.5%	23	32	12	0.9%	1.8%	1.1%
Regal Petroleum	RPT	37	38	35	-146	16	13	neg	42.1%	37.1%	-127	2	3	neg	5.3%	8.6%
JKX Oil	JKX	181	146	150	66	69	70	36.7%	46.9%	46.7%	7	-80	5	3.6%	neg	3.3%
Electric Utilities																
Centrenergo	CEEN	915	544	605	94	16	-33	10.3%	3.0%	neg	60	5	-29	6.5%	0.9%	neg
Donbasenergo	DOEN	656	458	196	72	20	-19	11.0%	4.4%	neg	65	8	-17	9.9%	1.8%	neg
Consumer																
MHP	MHPC	1,496	1,524	1,544	391	537	550	26.1%	35.2%	35.6%	162	-337	97	10.8%	neg	6.3%
Kernel	KER	2,797	2,393	2,250	291	223	325	10.4%	9.3%	14.4%	105	-107	125	3.8%	neg	5.6%
Astarta	AST	491	465	396	91	154	123	15.5%	27.5%	25.9%	34	-54	30	5.8%	neg	6.3%
Avangardco	AVGR	661	443	405	301	130	109	45.6%	29.3%	26.9%	238	-11	32	36.0%	neg	7.9%
Ovostar	OVO	81	75	79	36	32	25	43.7%	43.1%	31.6%	31	30	24	38.0%	40.0%	30.7%
Banks																
		Total Assets			Total Equity			Total Income			Net Profit			Return on Equity		
Raiffeisen Bank Aval	BAVL	5,333	2,869	2,765	888	390	376	723	327	276	90	-87	-41	10.1%	-22.2%	-10.9%
Ukrsotsbank	USCB	5,283	1,595	2,588	1,064	303	447	115	130	115	1	-19	-18	0.1%	-6.1%	-3.9%

Source: Eavex Research

MAIN TRADING MULTIPLES

Ticker	MCap USD mn	Free Float % USD mn	EV USD mn	P/E			EV/EBITDA			EV/Sales			EV/Output			Units		
				2013	2014E	2015E	2013	2014E	2015E	2013	2014E	2015E	2013	2014E	2015E			
Steel																		
Alchevsk Steel	ALMK	13	3.9%	1	2,627	neg	neg	neg	neg	neg	neg	1.5	3.8	7.6	679	633	615	\$/tonne
Yenakievo Steel	ENMZ	8	8.8%	1	6	neg	neg	neg	neg	0.1	0.1	0.0	0.0	0.0	2	2	2	\$/tonne
Azovstal	AZST	137	3.0%	4	130	neg	1.8	2.7	neg	0.8	1.1	0.1	0.1	0.1	28	29	29	\$/tonne
Coke																		
Avdyivka Coke	AVDK	11	6.8%	1	-28	neg	neg	neg	-0.6	neg	neg	0.0	-0.1	-0.1	-6	-7	-8	\$/tonne
Yasynivsky Coke	YASK	4	9.0%	0	5	neg	neg	neg	0.2	neg	neg	0.0	0.0	0.0	0.2	neg	neg	\$/tonne
Iron Ore Mining																		
Centralny GOK	CGOK	437	0.3%	1	435	2.2	3.8	5.4	1.4	1.9	2.6	0.6	0.7	0.8				
Pivnichny GOK	SGOK	810	0.4%	3	804	1.5	2.5	3.6	0.9	1.2	1.7	0.5	0.5	0.6				
Ferrexpo	FXPO	554	24.0%	133	1,232	2.1	3.0	5.7	2.4	2.5	4.8	0.8	0.9	1.2				
Pipe Manufacturing																		
Khartsyzk Pipe	HRTR	50	2.0%	1	95	10.5	2.2	26.9	3.0	2.2	5.4	0.3	0.5	1.0	151	251	238	\$/tonne
Railcar Manufacturing																		
LuganskTeplovoz	LTPL	14	24.0%	3	51	0.7	neg	n/a	1.4	neg	n/a	0.2	0.4	n/a				
Krukiv Wagon	KVBZ	55	5.0%	3	49	1.3	neg	neg	1.0	neg	9.8	0.1	0.4	0.7				
Specialized Machinery																		
Turboatom	TATM	63	5.8%	4	32	0.9	1.2	2.8	0.4	0.4	0.9	0.2	0.2	0.3				
Motor Sich	MSICH	221	24.0%	53	207	1.4	1.7	3.3	0.5	0.6	1.3	0.2	0.2	0.4				
Telecom																		
Ukrtelecom	UTLM	121	7.2%	9	205	7.1	7.6	15.2	1.1	2.0	2.9	0.3	0.6	0.9				
Oil & Gas																		
Ukrnafta	UNAF	696	3.0%	21	693	29.9	21.9	>30	2.4	4.3	5.2	0.3	0.4	0.7	n/a	n/a	n/a	\$/boe
Regal Petroleum	RPT	23	21.6%	5	-3	neg	11.3	7.5	neg	-0.2	-0.2	-0.1	-0.1	-0.1	n/a	n/a	n/a	\$/boe
JKX Oil & Gas	JKX	82	50.4%	41	190	12.6	neg	16.4	2.9	2.8	2.7	1.1	1.3	1.3	35	26	25	\$/boe
Electric Utilities																		
CentrEnerg	CEEN	123	21.7%	27	109	2.1	24.2	neg	1.2	6.7	neg	0.1	0.2	0.2	6	8	7	\$/MWh
DonbasEnerg	DOEN	23	14.2%	3	53	0.4	2.7	neg	0.7	2.6	neg	0.1	0.1	0.3	6	7	6	\$/MWh
Consumer																		
MHP	MHPC	1,004	34.1%	342	2,084	6.2	neg	10.3	5.3	3.9	3.8	1.4	1.4	1.3				
Kernel	KER	794	61.8%	490	1,529	7.6	neg	6.4	5.3	6.9	4.7	0.5	0.6	0.7				
Astarta	AST	146	37.0%	54	393	4.3	neg	4.9	4.3	2.6	3.2	0.8	0.8	1.0				
Avangardco	AVGR	192	22.5%	43	379	0.8	neg	6.0	1.3	2.9	3.5	0.6	0.9	0.9	86	65	61	\$/mneqgs
Ovostar	OVO	112	25.0%	28	119	3.6	3.8	4.6	3.4	3.7	4.8	1.5	1.6	1.5	n/a	n/a	n/a	
Banks																		
						P/E			P/Book			P/Assets						
Raiffeisen Bank Aval	BAVL	118	3.5%	4		1.3	neg	neg	0.1	0.3	0.3	0.02	0.04	0.04				
Ukrsotsbank	USCB	85	1.0%	1		>30	>30	>30	0.1	0.3	0.2	0.01	0.05	0.03				

Source: Eavex Research

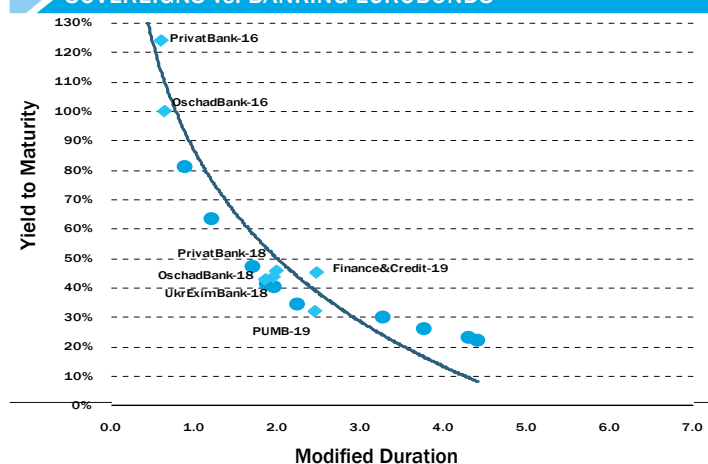
UKRAINIAN EUROBONDS

Issue	Price (Bid)	Price (Ask)	YTM (Bid)	YTM (Ask)	Price chg. (YTD)	Modified Duration	Coupon	Coupon Period	Maturity Date	Volume USD mn	Ratings ¹
Sovereign Eurobonds											
Ukraine, 2015 (EUR)	45.0	47.0	228.1%	211.2%	-32.3%	0.2	4.95%	A	13 Oct 2015	600*	Ca/CCC-/CC
Ukraine, 2015	44.2	45.2	281.7%	270.8%	-36.5%	0.2	6.875%	S/A	23 Sept 2015	500	Ca/CCC-/CC
Ukraine, 2016	39.4	40.8	78.3%	75.3%	-36.1%	1.1	6.58%	S/A	21 Nov 2016	1,000	Ca/CCC-/CC
Ukraine, 2016-2	39.8	41.0	104.8%	100.9%	-37.6%	0.7	6.25%	S/A	17 Jun 2016	1,250	Ca/CCC-/CC
Ukraine, 2017	39.0	41.0	51.8%	49.1%	-36.7%	1.8	6.75%	S/A	14 Nov 2017	700	Ca/CCC-/CC
Ukraine, 2017-2	42.8	44.0	56.4%	54.6%	-30.3%	1.5	9.25%	S/A	24 Jul 2017	2,000	Ca/CCC-/CC
Ukraine, 2017 Infr. projects	40.5	42.0	53.2%	51.2%	-32.9%	1.7	8.375%	S/A	3 Nov 2017	568	Ca//
Ukraine, 2018 Infr. projects	40.5	42.0	45.1%	43.4%	-31.3%	2.0	7.40%	S/A	20 Apr 2018	690	Ca//
Ukraine, 2020	41.3	43.3	30.4%	29.1%	-29.1%	3.4	7.75%	S/A	23 Sept 2020	1,500	Ca/CCC-/CC
Ukraine, 2021	40.5	42.0	30.1%	29.1%	-30.5%	3.5	7.95%	S/A	23 Feb 2021	1,500	Ca/CCC-/CC
Ukraine, 2022	40.5	42.0	26.1%	25.3%	-31.5%	3.9	7.80%	S/A	28 Nov 2022	1,250	Ca/CCC-/CC
Ukraine, 2023	42.5	43.5	24.7%	23.9%	-27.5%	4.1	7.50%	S/A	17 Apr 2023	1,250	Ca/CCC-/CC
Corporate Eurobonds											
Agroton, 2019	30.1	35.3	44.5%	38.7%	-3.3%	2.8	8.00%	S/A	14 Jul 2019	50	//RD
MHP, 2015	92.0	96.0	121.3%	63.4%	-1.1%	0.1	10.25%	S/A	29 Apr 2015	235	Caa3//CC
MHP, 2020	65.0	66.0	19.5%	19.1%	-5.1%	3.6	8.25%	S/A	2 Apr 2020	750	/CCC-/CC
Avangardco, 2015	40.0	44.0	262.7%	226.4%	-34.9%	0.2	10.00%	S/A	29 Oct 2015	200	/CCC-/
UkrLandFarming, 2018	45.0	50.0	46.9%	41.6%	2.1%	2.0	10.88%	S/A	26 Mar 2018	500	/CCC-/
Mriya, 2016	11.0	14.0	421.3%	350.5%	-3.8%	0.4	10.95%	S/A	30 Mar 2016	72	/SD/RD
Mriya, 2018	11.0	14.0	132.2%	112.8%	-3.8%	1.3	9.45%	S/A	19 Apr 2018	400	/SD/RD
DTEK, 2015	60.0	65.0	879.4%	715.4%	-19.4%	0.0	9.50%	S/A	28 Apr 2015	200	Caa3//C
DTEK, 2018	34.0	37.0	55.3%	51.0%	-22.0%	2.0	7.88%	S/A	4 Apr 2018	750	Caa3//C
Metinvest, 2015	63.0	68.0	431.0%	348.7%	-18.6%	0.1	10.25%	S/A	20 May 2015	114	Caa3//CC
Metinvest, 2017	45.0	50.0	50.0%	44.2%	-32.1%	1.2	10.50%	S/A	28 Nov 2017	290	//CC
Metinvest, 2018	40.0	45.0	50.4%	44.4%	-23.4%	1.9	8.75%	S/A	14 Feb 2018	750	Caa3//CC
Ferrexpo, 2016	80.0	83.0	32.5%	28.3%	5.8%	0.8	7.88%	S/A	07 Apr 2016	286	Caa3/CCC/CC
Ferrexpo, 2019	75.0	80.0	19.7%	17.5%	n/a	2.7	10.38%	S/A	07 Apr 2019	161	Caa3/CCC/CC
UZ Rail, 2018	35.0	38.0	55.2%	51.1%	-31.2%	1.8	9.50%	S/A	21 May 2018	500	/CCC-/CC
Interepipe, 2017	15.0	25.0	150.2%	100.7%	-63.6%	1.2	10.25%	S/A	2 Aug 2017	200	//
JKX Oil&Gas, 2018	70.1	73.8	27.6%	25.4%	23.5%	1.5	8.00%	S/A	19 Feb 2018	40	
Bank Eurobonds											
Fin&Credit Bank, 2019	10.0	15.0	120.1%	91.4%	-84.9%	1.4	9.25%	S/A	25 Jan 2019	100	Ca//
PUMB, 2018	40.0	45.0	44.7%	39.9%	-37.0%	2.3	11.00%	Q	31 Dec 2018	275	Ca//
Nadra Bank, 2018	8.0	13.0	n/a	n/a	-16.0%	0.2	6.25%	A	31 Jul 2018	60	//
PrivatBank, 2015	42.0	47.0	309.8%	254.8%	-28.8%	0.2	9.38%	S/A	23 Sept 2015	200	Ca//
PrivatBank, 2016	20.0	30.0	330.5%	218.2%	-49.5%	0.4	8.75%	S/A	9 Feb 2016	150	Ca//
PrivatBank, 2018	38.0	43.0	56.7%	50.0%	-31.9%	1.8	10.88%	S/A	28 Feb 2018	175	Ca//CC
UkrEximBank, 2015	49.0	54.0	49.0%	43.5%	-33.5%	0.0	8.38%	S/A	27 Apr 2015	750	Ca//CC
UkrEximBank, 2016	25.0	35.0	265.5%	182.0%	-36.8%	0.4	5.79%	S/A	2 Sept 2016	125	Ca//CC
UkrEximBank, 2018	40.5	42.0	50.6%	48.7%	-27.0%	1.8	8.75%	S/A	22 Jan 2018	500	Ca//CC
VAB Bank, 2019	1.0	5.0	n/a	n/a	-53.8%	n/a	9.00%	Q	14 Jun 2019	88	//WD
Oschadbank, 2016	41.0	43.0	137.4%	128.8%	-28.2%	0.6	8.25%	S/A	10 Mar 2016	700	Ca//CC
Oschadbank, 2018	40.0	42.0	49.5%	47.0%	-27.4%	2.0	8.88%	S/A	20 Mar 2018	500	Ca//CC
Municipal Eurobonds											
City of Kyiv, 2015	35.0	45.0	299.2%	205.3%	-44.9%	0.3	8.00%	S/A	6 Nov 2015	250	Ca/CCC/
City of Kyiv, 2016	35.0	45.0	121.0%	89.6%	-43.4%	0.8	9.375%	S/A	30 Jun 2016	300	Ca/CCC/

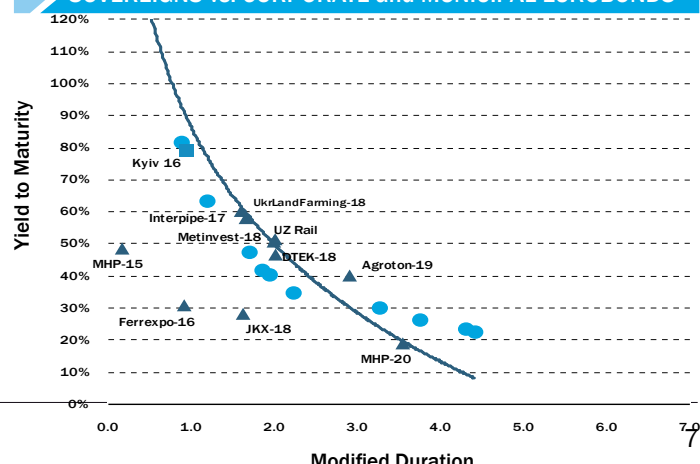
¹ Moody's/S&P/Fitch; * EUR

Source: Bloomberg, Cbonds, Eavex Research

SOVEREIGNS vs. BANKING EUROBONDS



SOVEREIGNS vs. CORPORATE and MUNICIPAL EUROBONDS



UKRAINIAN DOMESTIC BONDS

Issue	Price (Bid)	Price (Ask)	YTM (Bid)	YTM (Ask)	Modified Duration	Coupon	Coupon Period	Maturity Date	Volume mn UAH
UAH denominated Bonds									
UA4000141592					n/a	14.30%	S/A	20 May 2015	n/a
UA4000142665			30%	26%	n/a	14.30%	S/A	24 May 2017	n/a
USD denominated Bonds									
UA4000142699	n/a	n/a	14.0%	8.0%	n/a	9.45%	S/A	22 Apr 2015	n/a
UA4000141071	n/a	n/a	14.0%	8.0%	n/a	9.45%	S/A	27 May 2015	n/a
UA4000142673	n/a	n/a	14.0%	8.0%	n/a	4.50%	S/A	17 Jun 2015	n/a
EUR denominated Bonds									
UA4000142681	n/a	n/a	12.5%	8.0%	n/a	4.80%	S/A	6 May 2015	n/a
VAT Bonds									
UA4000082531			30%	26%	n/a	5.50%	S/A	21 Aug 2015	n/a
UA4000082622			30%	26%	n/a	5.50%	S/A	24 Aug 2015	n/a
UA4000083059			30%	26%	n/a	5.50%	S/A	25 Aug 2015	n/a
UA4000185151			30%	26%	1.9	9.50%	S/A	8 Jul 2019	3,577
UA4000185557			30%	26%	1.9	9.50%	S/A	22 Jul 2019	2,171
UA4000186159			30%	26%	1.9	9.50%	S/A	20 Aug 2019	955

Source: Bloomberg, Cbonds, Eavex Research

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