

Market Update

Equity

Kyiv-listed stocks finished lower on Thursday (May 21) amid the start of the fourth Eastern Partnership summit, which is however unlikely to hold little in the way of new concessions from the European Union to Ukraine. The UX index continued to trend lower, as it has all this week, falling 1.1% to close at 1024 points. Heavily-weighted Motor Sich (MSICH) provided the main negative contribution to the benchmark's performance, dropping 3.1% to UAH 2605 per share. Volume leader CentrEnergO (CEEN) edged down by 0.5% on turnover of UAH 700,000, dipping back below the UAH 8 support level. UkrNafta (UNAF) lost 1.1% ending at UAH 269 in a moderate reaction to the latest legal escalation of the conflict between the company's state and private shareholders. In London trading, Ferrexpo (FXPO) stopped its slide, gaining 1.4% to GBp 72.50. Warsaw-listed Kernel (KER) ended the day little-changed near PLN 37.

Fixed Income

Ukrainian sovereigns were again flat on Thursday with Ukraine-23s closed unchanged at 48.3/49.5 (21.3%/20.8%). Corporate names were slightly up. MHP-20s inched up by 0.1p.p. to 82.8/85.0 (13.1%/12.5%) and Metinvest-18s rose by 1.0p.p. to 56.0/59.0 (35.1%/32.6%).

Volume Leaders	Ticker	Last, UAH	1D ch	Volume, UAH mn	Number of Trades
CentrenergO	CEEN	7.96	-0.5%	0.7	28
Ukrnafta	UNAF	269.10	-1.1%	0.4	55
Raiffeisen Bank Aval	BAVL	0.09	-0.1%	0.2	36

Growth Leaders

Raiffeisen Bank Aval	BAVL	0.09	-0.1%	0.23	36
CentrenergO	CEEN	7.96	-0.5%	0.71	28
Ukrnafta	UNAF	269.10	-1.1%	0.45	55

Loss Leaders

Motor Sich	MSICH	2,605.00	-3.1%	0.194	30
Ukrnafta	UNAF	269.10	-1.1%	0.447	55
CentrenergO	CEEN	7.96	-0.5%	0.708	28

Highlights

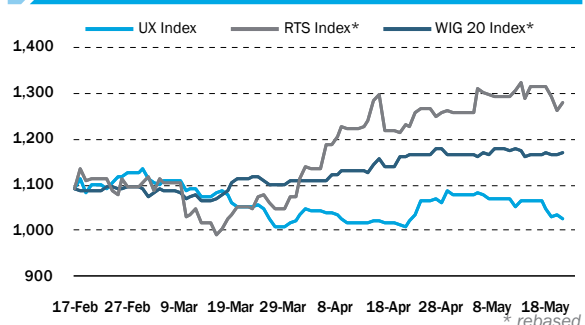
STOCKS IN THE NEWS

- UkrNafta Corporate Conflict Heats Back Up

FIXED INCOME

- Metinvest's Avdyivka Coke Faced Massive Artillery Attack

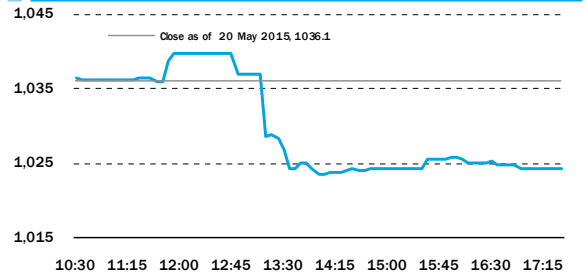
STOCK MARKET PERFORMANCE



MARKET INDEXES

	Last	1D ch	1M ch	YTD
UX	1024.3	-1.1%	1.3%	-0.9%
RTS	1047.5	1.5%	5.2%	32.5%
WIG20	2524.8	0.1%	0.8%	9.0%
MSCI EM	1032.7	-0.3%	-0.1%	8.0%
S&P 500	2130.8	0.2%	1.4%	3.5%

UX INTRADAY MAY 21, 2015



FIXED INCOME

	Last	1D ch	1M ch	YTD
EMBI+Global	367.8	-0.1%	-6.4%	-9.0%
CDS 5Y UKR	3000.0	-1.6%	-14.3%	36.4%
Ukraine-17	44.7%	-1.0 p.p.	-2.5 p.p.	19.0 p.p.
Ferrexpo-16	27.8%	-0.5 p.p.	-3.9 p.p.	-3.5 p.p.
Ukraine-23	21.0%	0.0 p.p.	-1.6 p.p.	13.5 p.p.
Privatbank-16	166.3%	3.2 p.p.	-51.4 p.p.	80.9 p.p.

CURRENCY

	Last, UAH	1D ch	1M ch	YTD
USD	20.75	0.0%	-9.2%	31.2%
EUR	23.06	0.2%	-6.0%	20.5%
RUB	0.42	-0.5%	-4.3%	51.1%

COMMODITIES

	Last	1D ch	1M ch	YTD
Wheat, USD/t*	197.6	0.0%	-0.7%	-19.7%
Steel, USD/t	365.0	0.0%	-2.0%	-18.9%
Oil, USD/bbl	66.5	2.3%	3.6%	12.4%
Gold, USD/oz	1206.3	-0.3%	0.9%	1.8%

*Ukraine FOB

Source: Bloomberg, Ukrainian Exchange

UkrNafta Corporate Conflict Heats Back Up

by Dmitry Churin
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UKRNAFTA (UNAF UK)

Price: UAH 269 Market Cap: USD 703mn

	P/B	EV/S	P/E	EV/EBITDA	Div. Yield
2014	0.3	0.3	6.7	1.9	n/a
2015E	0.7	0.5	4.1	2.0	n/a

NEWS

Privat Group has filed a motion against the supervisory board of UkrNafta, Ukraine's largest oil producer, trying to suspend the board's mandate, the online news portal Ukrayinska Pravda reported on Thursday (May 21). A court hearing of the case began on May 21 but was then adjourned until Jun 3. UkrNafta's supervisory board consists of 11 members, with 6 of them representing state-owned energy monopoly Naftogaz (the Ukrainian state owns half of UkrNafta through Naftogaz). Naftogaz CEO Andriy Kobolev was elected to head UkrNafta's board for a term of 3 years last October. Dnipropetrovsk industrialist Igor Kolomoysky, through Privat Group's large minority shareholding, has operational control of UkrNafta. Privat owns at least 42% of UkrNafta's shares.

COMMENTARY

The corporate conflict in UkrNafta is occurring due to the March changes in Ukrainian legislation which reduced the quorum for a general shareholders' meeting from 60% to 50%, effective from May 26. Naftogaz has said it intends to call an UkrNafta general shareholders meeting as soon as possible with the goal of replacing the company's management. We assume that Privat is trying to suspend the supervisory board's mandate, as the board is responsible for the decision on when to call a shareholder meeting. In our view, any compromise between the state and Privat will be a strong driver for UNAF stock, but it would be overly optimistic to assume that Kolomoysky will give up his operational control over UkrNafta without additional machinations. It remains uncertain when Naftogaz will finally be able to install its own management at UkrNafta.

Metinvest's Avdyivka Coke Faced Massive Artillery Attack

by Ivan Dzvinka
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NEWS

Avdyivka Coke, a coke making subsidiary of Metinvest, was under massive artillery attack on Thursday (May 21), the company said in its release this morning (May 22). As a result of the attack, one person was killed and two injured. In addition, attack led to the material damage of the company's railway and electricity infrastructure as well as minor damage to the plant's PP&E. Notably, two out of four electricity lines supplying the plant were cut while the coke plant is currently not able to transport inputs and finished goods. The company is now working on fixing the damages while the timeframe for its completion was not specified.

COMMENTARY

While we presume the fixing process on Avdyivka should not take more than a couple of weeks, we hope this attack is not a first step of reescalation of military actions by pro-Russian forces in the Donbass. From the other side, such development with heightened political and operational risks, in our view, provides Metinvest with better negotiating ground in the forthcoming process on restructuring of the group's debt. It's worth noting that Metinvest expectedly paid coupon on its 2015 bonds but defaulted on principal redemption on May 20.

EAVEX RECOMMENDATIONS

Name	Ticker	Price, per share	Target price, per share	Upside, %	Rating	Commentary
Agriculture						
Kernel	KER PW	37.0	50.2	36%	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	12.0	17.96	50%	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	24.4	36.1	48%	BUY	Astarta makes decisive moves toward business diversification (launch of soybean processing plant in early 2014) and cost optimization (launch of bioenergy complex in 2014). With no assets in the Donbass, material exposure of Astarta to UAH (50% of sales) is mostly offset with 60% of cost tied to UAH.
AvangardCo	AVGR LI	2.6	1.4	-46%	SELL	Lost of the company's output at war-hit Donbass together with UAH devaluation will lead to lower EBITDA in 2015 after a 57% plunge in 2014.
Ovostar Union	OVO PW	79.0	80.8	2%	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	72.5	48.0	-34%	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	0.81	0.56	-31%	SELL	Non-transparent reporting practices detrimentally affect Azovstal's reported earnings.
Coke						
Avdyivka Coke	AVDK	1.26	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	2605	5250	102%	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	4.6	U/R	--	U/R	The company has been constantly missed production targets since 2012.
JKX Oil & Gas	JKX	28.5	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	23.3	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	7.96	15.00	88%	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	159%	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	1024.34	1368.76	908.88	-1.1%	-3.7%	1.3%	-0.9%	0.0%	0.0%	0.0%	0.0%
Steel												
Alchevsk Steel	ALMK	0.015	0.045	0.011	2.1%	-3.3%	9.8%	0.0%	3.2%	0.4%	8.6%	0.9%
Azovstal	AZST	0.81	0.95	0.35	-2.1%	-5.5%	1.6%	8.3%	-0.9%	-1.8%	0.4%	9.2%
Enakievo Steel	ENMZ	17.00	65.00	14.81	0.0%	-2.6%	-2.3%	-18.9%	1.1%	1.1%	-3.6%	-18.0%
Coke												
Avdyivka Coke	AVDK	1.26	3.62	1.10	-3.2%	-6.7%	-8.6%	-27.3%	-2.0%	-3.0%	-9.9%	-26.4%
Yasynivsky Coking	YASK	0.26	0.84	0.18	0.0%	-3.7%	-13.3%	-7.1%	1.1%	0.0%	-14.6%	-6.3%
Iron Ore Mining												
Centralny GOK	CGOK	8.50	n/a	n/a	0.0%	0.0%	39.3%	9.1%	1.1%	3.7%	38.1%	10.0%
Ferrexpo	FXPO	72.50	143.00	47.91	1.4%	-4.0%	5.5%	36.8%	2.5%	-0.3%	4.2%	37.7%
Pivnichny GOK	SGOK	7.80	12.30	4.44	0.0%	0.0%	0.0%	-6.8%	1.1%	3.7%	-1.3%	-5.9%
Coal Mining												
Pokrovske Mine	SHCHZ	0.33	0.79	0.17	0.0%	0.0%	13.8%	-29.8%	1.1%	3.7%	12.5%	-28.9%
Pipe Manufacturing												
Khartsyzk Pipe	HRTR	0.28	1.01	0.20	-3.4%	-3.4%	-28.2%	-26.3%	-2.3%	0.3%	-29.5%	-25.4%
Railcar Manufacturing												
Kryukiv Wagon	KVBZ	10.88	21.60	9.73	0.0%	-2.0%	5.3%	-15.3%	1.1%	1.7%	4.1%	-14.5%
Luhanskeplovoz	LTPL	1.05	1.80	0.85	0.0%	-12.5%	-30.0%	-2.8%	1.1%	-8.8%	-31.3%	-1.9%
Specialized Machinery												
Motor Sich	MSICH	2605	2939	1753	-3.1%	-5.9%	0.0%	4.9%	-2.0%	-2.2%	-1.3%	5.8%
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	0.18	0.21	0.09	0.0%	0.0%	-2.6%	18.4%	1.1%	3.7%	-3.9%	19.3%
Oil & Gas												
Regal Petroleum	RPT	4.63	9.38	3.13	0.0%	-4.6%	-3.0%	48.0%	1.1%	-0.9%	-4.3%	48.9%
JKX Oil	JKX	28.50	62.00	11.00	0.0%	-5.0%	-3.4%	137.5%	1.1%	-1.3%	-4.6%	138.4%
Ukrnafta	UNAF	269.1	375.0	54.0	-1.1%	-2.4%	10.9%	32.4%	0.1%	1.3%	9.6%	33.2%
Power Utilities												
Centrenergo	CEEN	7.96	8.70	3.00	-0.5%	-2.9%	-0.4%	5.5%	0.6%	0.8%	-1.7%	6.4%
Donbasenergo	DOEN	23.29	48.98	11.00	0.2%	-1.1%	3.7%	-29.4%	1.3%	2.6%	2.4%	-28.6%
Zakhidenergo	ZAEN	166.0	199.8	91.2	0.0%	0.0%	10.7%	12.1%	1.1%	3.7%	9.4%	13.0%
Consumer												
Agroton	AGT	1.00	3.19	0.95	-2.0%	0.0%	-13.0%	-18.7%	-0.8%	3.7%	-14.3%	-17.8%
Astarta	AST	24.40	47.95	14.50	0.8%	-0.4%	1.7%	22.0%	2.0%	3.3%	0.4%	22.9%
Avangardo	AVGR	2.55	10.27	1.83	-5.6%	-5.6%	2.0%	24.4%	-4.4%	-1.8%	0.7%	25.3%
Industrial Milk Company	IMC	4.50	10.39	4.50	-4.3%	-9.6%	-20.9%	-20.6%	-3.1%	-5.9%	-22.2%	-19.8%
Kernel	KER	37.00	39.25	22.00	0.1%	5.3%	-3.3%	30.0%	1.3%	9.0%	-4.5%	30.9%
Mriya Agro Holding	MAYA	0.10	5.25	0.05	-33.3%	42.9%	-68.8%	-82.2%	-32.2%	46.6%	-70.0%	-81.3%
MHPC	MHPC	11.95	15.60	8.24	0.0%	3.9%	8.6%	29.9%	1.1%	7.6%	7.4%	30.8%
Milkiland	MLK	2.37	7.57	1.48	2.2%	0.9%	-14.7%	60.1%	3.3%	4.6%	-16.0%	61.0%
Ovostar Union	OVO	79.00	83.00	66.00	0.0%	2.9%	8.2%	9.7%	1.1%	6.6%	7.0%	10.6%
Chemicals												
Stirol	STIR	4.02	n/a	n/a	-26.9%	-26.9%	-33.0%	-42.0%	-25.8%	-23.2%	-34.3%	-41.1%
Banks												
Raiffeisen Bank Aval	BAVL	0.093	0.190	0.086	-0.1%	-3.1%	-4.2%	-3.3%	1.0%	0.6%	-5.5%	-2.5%
UkrSotsbank	USCB	0.102	0.200	0.090	0.0%	2.0%	-7.2%	-21.7%	1.1%	5.7%	-8.4%	-20.8%

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	280	-62	-83	-100	neg	neg	neg	-214	-1,683	-190	neg	neg	neg
Enakievo Steel	ENMZ	1,507	906	539	-7	6	31	neg	0.6%	5.7%	-61	-33	24	neg	neg	4.4%
Azovstal	AZST	2,562	1,885	1,602	-81	183	126	neg	9.7%	7.8%	-308	77	66	neg	4.1%	4.1%
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	-5	7.8%	neg	neg	-3	-13	-10	neg	neg	neg
Iron Ore Mining																
Centralny GOK	CGOK	679	611	550	312	223	159	46.0%	36.5%	28.8%	194	115	80	28.6%	18.8%	14.6%
Pivnichny GOK	SGOK	1,630	1,467	1,320	914	649	463	56.1%	44.2%	35.1%	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																
Luhanskeplovovoz	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	636	384	342	218	36.5%	38.9%	34.3%	162	129	92	15.4%	14.7%	14.5%
Telecom																
Ukrtelecom	UTLM	796	412	251	-199	85	72	neg	20.6%	28.5%	-279	18	9	neg	4.4%	3.6%
Oil & Gas																
Ukrnafta	UNAF	2,589	2,324	1,336	286	380	359	11.1%	16.4%	26.9%	23	105	171	0.9%	4.5%	12.8%
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																
Centrenerg	CEEN	915	630	323	94	26	-12	10.3%	4.1%	neg	60	6	-28	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	1,379	1,544	391	555	550	26.1%	40.2%	35.6%	162	-412	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	422	347	91	143	98	15.5%	28.3%	23.5%	34	-82	-12	5.8%	neg	neg
Avangardco	AVGR	661	420	361	301	129	94	45.6%	30.9%	26.1%	238	-27	-13	36.0%	neg	neg
Ovostar	OVO	81	75	79	36	29	25	43.7%	38.9%	31.6%	31	26	24	38.0%	34.5%	30.7%
Banks																
		Total Assets			Total Equity			Total Income			Net Profit			Return on Equity		
Raiffeisen Bank Aval	BAVL	5,333	2,869	2,166	888	390	295	723	327	217	90	-87	-115	10.1%	-22.2%	-39.1%
Ukrsotsbank	USCB	5,283	2,730	2,095	1,064	518	362	132	149	132	1	-42	-14	0.1%	-8.0%	-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	18	3.9%	1	2,632	neg	neg	neg	neg	neg	neg	1.5	3.8	9.4	680	634	616	\$/tonne
Yenakievo Steel	ENMZ	9	8.8%	1	7	neg	neg	0.4	neg	1.1	0.2	0.0	0.0	0.0	2	2	2	\$/tonne
Azovstal	AZST	164	3.0%	5	157	neg	2.1	2.5	neg	0.9	1.3	0.1	0.1	0.1	34	35	35	\$/tonne
Coke																		
Avdyivka Coke	AVDK	12	6.8%	1	-27	neg	neg	neg	-0.6	neg	neg	0.0	-0.1	-0.1	-6	-7	-7	\$/tonne
Yasynivsky Coke	YASK	3	9.0%	0	4	neg	neg	neg	0.1	neg	neg	0.0	0.0	0.0	0.1	neg	neg	\$/tonne
Iron Ore Mining																		
Centralny GOK	CGOK	480	0.3%	1	479	2.5	4.2	6.0	1.5	2.1	3.0	0.7	0.8	0.9				
Pivnichny GOK	SGOK	866	0.4%	3	860	1.6	2.7	3.8	0.9	1.3	1.9	0.5	0.6	0.7				
Ferrexpo	FXPO	665	24.0%	160	1,344	2.5	3.6	6.8	2.7	2.7	5.2	0.8	1.0	1.3				
Pipe Manufacturing																		
Khartsyzk Pipe	HRTR	35	2.0%	1	81	7.5	1.6	19.0	2.6	1.9	4.6	0.3	0.4	0.9	128	213	202	\$/tonne
Railcar Manufacturing																		
LuganskTeplovoz	LTPL	11	24.0%	3	48	0.6	neg	n/a	1.4	neg	n/a	0.1	0.4	n/a				
Krukiv Wagon	KVBZ	60	5.0%	3	54	1.4	neg	neg	1.1	neg	10.8	0.1	0.4	0.8				
Specialized Machinery																		
Turboatom	TATM	71	5.8%	4	41	1.0	1.3	3.1	0.5	0.6	1.1	0.2	0.2	0.4				
Motor Sich	MSICH	261	24.0%	63	235	1.6	2.0	2.8	0.6	0.7	1.1	0.2	0.3	0.4				
Telecom																		
Ukrtelecom	UTLM	162	7.2%	12	253	neg	8.9	17.8	neg	3.0	3.5	0.3	0.6	1.0				
Oil & Gas																		
Ukrnafta	UNAF	703	3.0%	21	712	>30	6.7	4.1	2.5	1.9	2.0	0.3	0.3	0.5	n/a	n/a	n/a	\$/boe
Regal Petroleum	RPT	23	21.6%	5	-2	neg	11.6	7.8	neg	-0.1	-0.1	0.0	0.0	-0.1	n/a	n/a	n/a	\$/boe
JKX Oil & Gas	JKX	77	50.4%	39	185	11.8	neg	15.3	2.8	2.7	2.6	1.0	1.3	1.2	34	25	25	\$/boe
Electric Utilities																		
CentrEnerg	CEEN	142	21.7%	31	156	2.4	24.1	neg	1.6	6.0	neg	0.2	0.2	0.5	9	11	10	\$/MWh
DonbasEnerg	DOEN	27	14.2%	4	57	0.4	3.2	neg	0.8	2.9	neg	0.1	0.1	0.3	7	7	7	\$/MWh
Consumer																		
MHP	MHPC	1,263	34.1%	431	2,400	7.8	neg	13.0	6.1	4.3	4.4	1.6	1.7	1.6				
Kernel	KER	803	61.8%	496	1,539	7.7	neg	6.4	5.3	6.9	4.7	0.6	0.6	0.7				
Astarta	AST	166	37.0%	62	377	4.9	neg	neg	4.1	2.6	3.8	0.8	0.9	1.1				
Avangardco	AVGR	163	22.5%	37	389	0.7	neg	neg	1.3	3.0	4.1	0.6	0.9	1.1	88	67	63	\$/mneqgs
Ovostar	OVO	129	25.0%	32	138	4.2	5.0	5.3	3.9	4.7	5.5	1.7	1.8	1.7	n/a	n/a	n/a	
Banks																		
						P/E			P/Book			P/Assets						
Raiffeisen Bank Aval	BAVL	134	3.5%	5		1.5	neg	neg	0.2	0.3	0.5	0.03	0.05	0.06				
Ukrsotsbank	USCB	90	1.0%	1		>30	>30	>30	0.1	0.2	0.3	0.02	0.03	0.04				

Source: Eavex Research

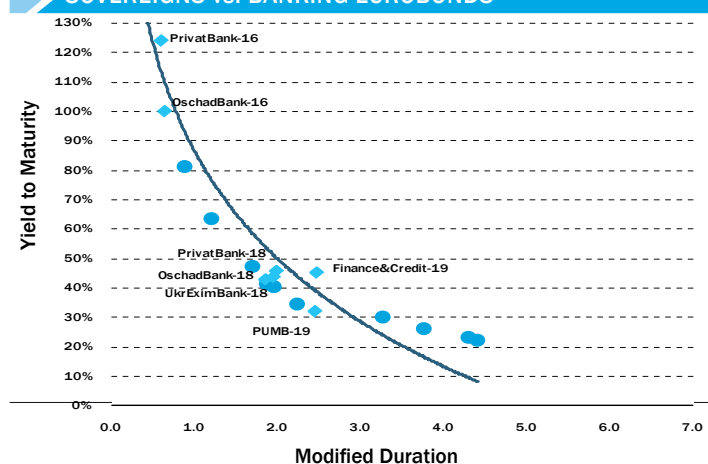
UKRAINIAN EUROBONDS

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	306.7%	284.1%	-32.3%	0.2	4.95%	A	13 Oct 2015	600*	Ca/CC/CC
Ukraine, 2015	50.3	51.5	313.3%	298.6%	-27.7%	0.2	6.875%	S/A	23 Sept 2015	500	Ca/CC/CC
Ukraine, 2016	46.0	47.2	71.1%	68.7%	-25.6%	1.1	6.58%	S/A	21 Nov 2016	1,000	Ca/CC/CC
Ukraine, 2016-2	46.0	47.1	100.1%	96.8%	-28.2%	0.7	6.25%	S/A	17 Jun 2016	1,250	Ca/CC/CC
Ukraine, 2017	45.8	47.3	45.6%	43.8%	-26.4%	1.8	6.75%	S/A	14 Nov 2017	700	Ca/CC/CC
Ukraine, 2017-2	46.8	47.8	53.7%	52.3%	-24.1%	1.4	9.25%	S/A	24 Jul 2017	2,000	Ca/CC/CC
Ukraine, 2017 Infr. projects	46.8	48.0	47.5%	46.0%	-23.0%	1.7	8.375%	S/A	3 Nov 2017	568	Ca//
Ukraine, 2018 Infr. projects	46.5	47.8	40.3%	39.0%	-21.5%	2.1	7.40%	S/A	20 Apr 2018	690	Ca//
Ukraine, 2020	45.8	46.5	27.9%	27.4%	-22.6%	3.4	7.75%	S/A	23 Sept 2020	1,500	Ca/CC/CC
Ukraine, 2021	46.1	46.9	26.8%	26.4%	-21.7%	3.5	7.95%	S/A	23 Feb 2021	1,500	Ca/CC/CC
Ukraine, 2022	46.5	47.8	23.2%	22.5%	-21.7%	4.1	7.80%	S/A	28 Nov 2022	1,250	Ca/CC/CC
Ukraine, 2023	48.3	49.5	21.3%	20.8%	-17.6%	4.6	7.50%	S/A	17 Apr 2023	1,250	Ca/CC/CC
Corporate Eurobonds											
Agroton, 2019	30.1	39.1	47.0%	36.8%	2.4%	2.7	8.00%	S/A	14 Jul 2019	50	//RD
MHP, 2020	82.8	85.0	13.1%	12.5%	21.6%	3.7	8.25%	S/A	2 Apr 2020	750	/CCC/CC
Avangardco, 2015	58.0	58.0	169.0%	169.0%	-10.1%	0.2	10.00%	S/A	29 Oct 2015	200	/CCC-
UkrLandFarming, 2018	49.3	51.5	43.7%	41.4%	8.3%	1.9	10.88%	S/A	26 Mar 2018	500	/CC/
Mriya, 2016	14.0	17.0	461.2%	389.4%	19.2%	0.3	10.95%	S/A	30 Mar 2016	72	/SD/RD
Mriya, 2018	14.0	17.0	106.5%	94.2%	19.2%	1.6	9.45%	S/A	19 Apr 2018	400	/SD/RD
DTEK, 2018	45.0	48.0	47.7%	44.3%	n/a	1.9	10.375%	S/A	28 Mar 2018	160	//C
DTEK, 2018	44.0	47.0	44.2%	41.0%	0.0%	2.0	7.88%	S/A	4 Apr 2018	750	Caa3//C
Metinvest, 2015	67.1	70.1	n/a	n/a	-14.8%	n/a	10.25%	S/A	20 May 2015	114	Caa3//RD
Metinvest, 2017	58.0	61.0	37.9%	35.2%	-15.0%	1.1	10.50%	S/A	28 Nov 2017	290	//RD
Metinvest, 2018	56.0	59.0	35.1%	32.6%	3.6%	2.0	8.75%	S/A	14 Feb 2018	750	Caa3//RD
Ferrexpo, 2016	84.0	87.0	30.2%	25.5%	11.0%	0.7	7.88%	S/A	07 Apr 2016	286	Caa3/CCC/CC
Ferrexpo, 2019	82.9	85.6	16.5%	15.5%	n/a	2.6	10.38%	S/A	07 Apr 2019	161	Caa3/CCC/CC
UZ Rail, 2018	57.0	59.5	33.3%	31.4%	9.8%	2.2	9.50%	S/A	21 May 2018	500	/CCC/CC
Interpipe, 2017	25.0	35.0	112.6%	82.1%	-45.5%	1.2	10.25%	S/A	2 Aug 2017	200	//
JKX Oil&Gas, 2018	71.2	74.6	28.0%	25.9%	25.2%	1.4	8.00%	S/A	19 Feb 2018	40	
Bank Eurobonds											
Fin&Credit Bank, 2019	20.0	30.0	76.8%	56.1%	-69.9%	1.9	9.25%	S/A	25 Jan 2019	100	Ca//
PUMB, 2018	51.0	54.0	35.7%	33.5%	-22.2%	1.9	11.00%	Q	31 Dec 2018	275	Ca//
Nadra Bank, 2018	7.0	12.0	n/a	n/a	-24.0%	0.1	6.25%	A	31 Jul 2018	60	//
PrivatBank, 2015	64.0	67.0	183.0%	161.6%	4.8%	0.2	9.38%	S/A	23 Sept 2015	200	Ca//
PrivatBank, 2016	43.0	46.0	175.3%	157.8%	-10.1%	0.4	8.75%	S/A	9 Feb 2016	150	Ca//
PrivatBank, 2018	65.6	67.6	30.0%	28.6%	12.9%	2.0	10.88%	S/A	28 Feb 2018	175	Ca//CC
UkrEximBank, 2015	74.0	77.0	n/a	n/a	-2.6%	0.1	8.38%	S/A	27 Apr 2015	750	Ca//CC
UkrEximBank, 2016	47.0	51.0	152.4%	132.5%	3.2%	0.4	5.79%	S/A	2 Sept 2016	125	Ca//CC
UkrEximBank, 2018	66.5	68.5	27.2%	25.8%	19.5%	2.0	8.75%	S/A	22 Jan 2018	500	Ca//CC
VAB Bank, 2019	2.0	6.0	n/a	n/a	-38.5%	n/a	9.00%	Q	14 Jun 2019	88	//WD
Oschadbank, 2016	67.0	70.0	68.9%	61.5%	17.1%	0.6	8.25%	S/A	10 Mar 2016	700	Ca//CC
Oschadbank, 2018	66.2	70.0	26.7%	24.1%	20.6%	2.2	8.88%	S/A	20 Mar 2018	500	Ca//CC
Municipal Eurobonds											
City of Kyiv, 2015	48.6	50.8	252.1%	232.3%	-31.5%	0.2	8.00%	S/A	6 Nov 2015	250	Ca/CC/
City of Kyiv, 2016	46.5	49.3	97.3%	89.5%	-32.3%	0.7	9.375%	S/A	30 Jun 2016	300	Ca/CC/

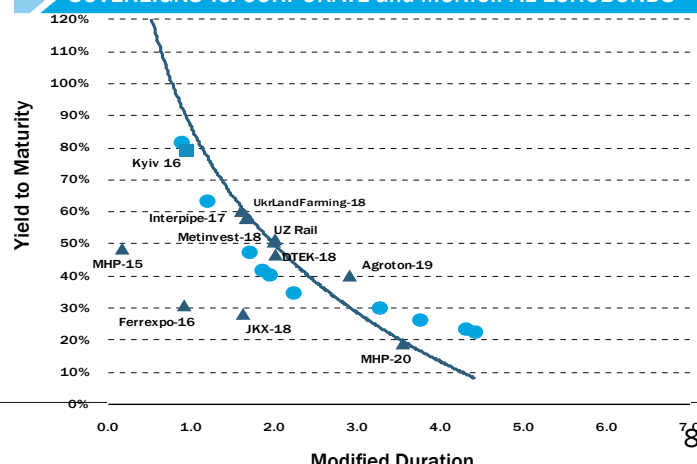
¹ Moody's/S&P/Fitch; * EUR

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			27%	24%	n/a	14.30%	S/A	24 May 2017	n/a
USD denominated Bonds									
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			27%	24%	n/a	5.50%	S/A	21 Aug 2015	n/a
UA4000082622			27%	24%	n/a	5.50%	S/A	24 Aug 2015	n/a
UA4000083059			27%	24%	n/a	5.50%	S/A	25 Aug 2015	n/a
UA4000185151			27%	24%	1.9	9.50%	S/A	8 Jul 2019	3,577
UA4000185557			27%	24%	1.9	9.50%	S/A	22 Jul 2019	2,171
UA4000186159			27%	24%	1.9	9.50%	S/A	20 Aug 2019	955

Source: Bloomberg, Cbonds, Eavex Research

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