

Market Update

Equity

Kyiv-listed stocks rose on Thursday (Dec 17) on short covering by active traders. The UX index added 0.5% to close at 684 points. UkrNafta (UNAF) advanced by 1.2% to UAH 174 per share and Raiffeisen Aval (BAVL) picked up 1.0% to 7.48 kopecks. Among economic news for the day, the NBU left its benchmark interest rate unchanged at 22% for a second meeting. The central bank, which pledged to lower interest rates significantly if inflation subsides next year, said that the foreign-exchange market had stabilized after the hryvnia lost some 12% against the dollar in October and November. The hryvnia gained 0.9% against the dollar yesterday to close at bid/ask of 23.40/23.50 UAH/USD on the interbank market. In London trading, nothing has changed for Ferrexpo (FXPO), which continued its free-fall with a loss of 8.2% to GBp 14.00. MHP (MHPC) dipped below the USD 9 level on a 1.3% decline to USD 8.98. Warsaw-listed Ukrainian stocks were mixed, with Industrial Milk Company (IMC) dropping by 3.9% to PLN 5.85 while Agrotion (AGT) added 3.9% to PLN 1.06.

Fixed Income

Ukrainian sovereign bonds rose on Thursday with both Ukraine-19s and Ukraine-27s up by 0.3p.p. to 93.8/94.5 (9.8%/9.5%) and 87.3/88.0 (9.6%/9.5%), respectively. In the corporate universe, DTEK-18s declined by 0.5p.p. to 39.0/43.0 (65.4%/58.9%) and Metinvest-18s finished unchanged at 43.0/46.0 (58.6%/54.2%).

Volume Leaders	Ticker	Last, UAH	1D ch	Volume, UAH mn	Number of Trades
Ukrnafta	UNAF	174.00	1.2%	0.80	8
Centrenergy	CEEN	4.63	0.0%	0.76	37
Raiffeisen Bank Aval	BAVL	0.07	0.9%	0.29	14

Growth Leaders

Avdyivka Coke	AVDK	1.04	3.1%	0.003	17
Azovstal	AZST	0.40	1.5%	0.052	22
Ukrnafta	UNAF	174.00	1.2%	0.801	8

Loss Leaders

Yenakievo Steel	ENMZ	15.00	-0.7%	0.125	7
Motor Sich	MSICH	1,950.00	-0.7%	0.103	15
Centrenergy	CEEN	4.63	0.0%	0.758	37

Highlights

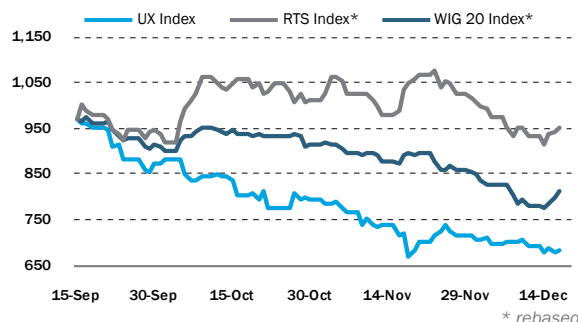
POLITICS AND ECONOMICS

- MinFin: Ukraine Won't Redeem Maturing USD 3bn 'Russia Bond'

STOCKS IN THE NEWS

- IMC's Corn Yield Hit By Weather but Still 28% Above Ukraine's Average

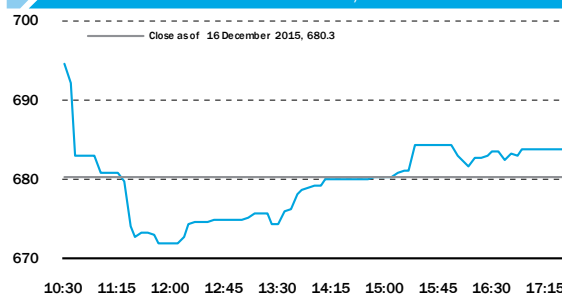
STOCK MARKET PERFORMANCE



MARKET INDEXES

	Last	1D ch	1M ch	YTD
UX	683.8	0.5%	-4.7%	-33.8%
RTS	792.1	0.9%	-3.9%	0.2%
WIG20	1840.6	2.0%	-6.6%	-20.5%
MSCI EM	798.6	1.0%	-1.8%	-16.5%
S&P 500	2041.9	-1.5%	-0.6%	-0.8%

UX INTRADAY DECEMBER 17, 2015



FIXED INCOME

	Last	1D ch	1M ch	YTD
EMBI+Global	447.3	-0.2%	6.5%	10.7%
CDS 5Y UKR	1050.0	0.0%	0.0%	-52.3%
Ukraine-19	9.7%	0.0 p.p.	n/a	n/a
Ukraine-27	9.5%	0.0 p.p.	n/a	n/a
MHP-20	11.9%	0.0 p.p.	0.8 p.p.	-5.6 p.p.
RAILUA-18	16.5%	-0.2 p.p.	-2.3 p.p.	-17.2 p.p.

CURRENCY

	Last, UAH	1D ch	1M ch	YTD
USD	23.44	-0.6%	0.2%	48.2%
EUR	25.38	-1.3%	2.1%	32.6%
RUB	0.33	-1.7%	-8.0%	19.8%

COMMODITIES

	Last	1D ch	1M ch	YTD
Wheat, USD/t*	188.6	0.0%	-0.2%	-23.4%
Steel, USD/t	265.0	0.0%	-3.6%	-41.1%
Oil, USD/bbl	37.1	-0.9%	-18.5%	-42.2%
Gold, USD/oz	1051.1	-2.0%	-2.9%	-11.3%

*Ukraine FOB

Source: Bloomberg, Ukrainian Exchange

MinFin: Ukraine Won't Redeem Maturing USD 3bn 'Russia Bond'

by Dmitry Churin
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NEWS

Ukraine will not be able to redeem the USD 3bn "Russian" Eurobond, which matures on Dec 20, on the original terms of issue, the Finance Ministry said on Thursday (Dec 17), as reported by Interfax. The statement said: "The Ukrainian government takes note of the IMF Executive Board's view that the so-called 'Russian bond' is an official claim for the purposes of the Fund's policy on arrears to official bilateral creditors. Therefore, the Ukrainian Government expects that the IMF's new Lending into Official Arrears policy will allow the IMF to continue financing Ukraine under the Extended Fund Facility, notwithstanding Ukraine's position on the December 2015 Eurobond and any suspension of payment thereunder," the ministry said.

COMMENTARY

It comes as no surprise that Ukraine will not redeem the so-called Russian bond, as this intention was telegraphed back in October when the country's private creditor restructuring deal was approved. Ukraine last month ignored a "compromise" proposal on the debt from Russian President Putin that would have foreseen three amortized USD 1bn repayments over 2016-18, as it included no principal writedown and would have violated a promise to private creditors not to give Russia better terms than the ones they had agreed to. A default that will be declared 10 days after the grace period from Dec 20 will not cause a cross-default for other Ukrainian sovereign Eurobonds, as the restructuring has a provision to de-facto ignore developments with the Russian bond. This point of view is supported by ratings agency Fitch. The agency, in its November upgrade of Ukraine's credit rating to CCC, assumes that non-payment of the USD 3bn bond, which is held by Russia's National Wealth Fund, will not constitute a default under Fitch's Sovereign rating criteria. Fitch also assumes that any legal action resulting from non-payment of this debt will not hinder the servicing of newly issued external debt. However, the IMF has stated that Ukraine must enter "good-faith negotiations" with Russia over a resolution of the bond situation. The base-case scenario now is that Ukraine and Russia will go to court in London over the debt, which was initially borrowed by the ousted president Viktor Yanukovich in late 2013.

IMC's Corn Yield Hit By Weather but Still 28% Above Ukraine's Average

by Ivan Dzvinka
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IMC (IMC PW)

Price: PLN 5.85 Market Cap: USD 46mn

	EV/S	P/E	EV/EBITDA	Div. Yield
2014	1.1	neg	2.7	0%
2015E	1.1	16.7	3.0	0%

NEWS

Central Ukraine-based crop grower Industrial Milk Company (IMC) has completed its 2015 harvest of corn with a gross yield amounting to 7.3 t/ha, the company stated in its release earlier this week (Dec 16). The achieved gross yield in 2015 is 10% lower YoY due to dry weather during the summer, the company said. Some 30% of the harvested corn has already been contracted for sale. The overall average corn yield in Ukrainian agriculture this year is 5.7 t/ha, IMC said in its release, implying that the company outperformed by 28%.

Starting in 2016, IMC plans to apply the technology of deep-soil ripping on around a third of its land bank in order to ensure moisture accumulation in the soil during autumn/winter period, CEO Alex Lissitsa stated in the same release. In 2018, the company will be able to apply deep-soil ripping on the entire land bank, the CEO said. These changes in the farming approach will allow IMC to reduce the future impact of weather-related risks on operational results.

COMMENTARY

IMC's net corn yield has come in at 6.8 t/ha this year, which is 7% lower compared to 2014. With less land under corn this year (75,000 hectares vs. 85,000 ha in 2014), the total FY15 harvest of corn, the company's core crop, is down by 16% YoY to 510,000 tonnes. On the plus side, however, we see the decision to hedge operational risks by applying deep-soil ripping technology as an encouraging medium-term positive for the company and its stock. Overall, we see the Warsaw-listed IMC's stock as undervalued at its current level PLN 5.85, even after taking into account the lower harvest of corn this year, a likely drop in corn sales in 2016, and a devaluation-related rise in production cost next year. We reiterate our BUY recommendation for the issue with a target price of PLN 9.40 per share.

EAVEX RECOMMENDATIONS

Name	Ticker	Price, per share	Target price, per share	Upside, %	Rating	Commentary
Agriculture						
Kernel	KER PW	46.0	57.20	24%	BUY	The group's stock looks undervalued currently even after taking into account an expected decrease in earnings in FY16 due to lowering in seed-crushing margin from an exceptionally high level of FY15.
MHP	MHPC LI	9.0	12.03	34%	BUY	MHP's new soybean processing plant and expected launch of new breeding facilities in early 2016 bodes well for optimization of its poultry production cost. The group's long-term targets are a 50% expansion in poultry output to 900,000 tonnes by 2019 and a 40% land bank increase to 550,000ha.
Astarta	AST PW	32.3	36.1	12%	BUY	Astarta has made decisive moves toward diversification (it opened a soybean processing plant in early 2014) and cost optimization (a bioenergy complex was launched in 2014). Astarta's exposure to UAH devaluation is largely offset by its UAH cost base, and it has no assets in the Donbass.
IMC	IMC PW	5.9	9.4	61%	BUY	IMC's quality agribusiness model suggests to us that the company's stock is undervalued. IMC's work on debt reduction, its ongoing land bank expansion program, and high standards of corporate governance are all positive factors offsetting the stock's low trading volume.
AvangardCo	AVGR LI	1.5	U/R	--	U/R	A massive loss on the EBITDA level of almost USD 100mn for 1H15 has damaged Avangard's financial reporting credibility.
Ovostar Union	OVO PW	89.0	80.8	-9%	U/R	Ovostar managed to increase its EBITDA by 15% YoY to USD 24mn in 9M15, as a drop in devaluation-driven egg pricing in USD terms was offset by strong growth in output, rising export sales, and high hryvnia egg inflation (+60% YoY in 9M15).
Iron Ore						
Ferrexpo	FXPO LN	14.0	11.0	-21%	SELL	The long slide in benchmark iron ore prices, exacerbated by a reduction in the pellet-to-fines premium, has hammered Ferrexpo's earnings in 2015. Gloomy outlook for 2016 suggests even more depressed results in the next year.
Steel						
Azovstal	AZST	0.40	0.56	38%	SELL	Non-transparent accounting practices overseen by majority owner Metinvest detrimentally affect Azovstal's reported earnings.
Coke						
Avdyivka Coke	AVDK	1.04	U/R	--	Susp.	Avdyivka Coke's facilities are located on the front line of the Donbass separatist-occupied territory, and the plant has been experiencing periodic artillery shelling since August 2014. However, the company continues to operate, albeit at reduced capacity.
Specialized Machinery						
Motor Sich	MSICH	1950	5250	169%	BUY	Motor Sich should see its revenue 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%.
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	3.8	U/R	--	U/R	Regal has repeatedly missed its production targets since 2012.
JKX Oil & Gas	JKX	29.3	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						
DonbasEnerg	DOEN	15.5	U/R	--	U/R	The Donetsk separatist government has nationalized DonbasEnerg's Starobeshevo power plant, which previously accounted for about 70% of the company's installed power-generating capacity.
CenterEnerg	CEEN	4.63	15.00	224%	BUY	CenterEnerg'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	0.075	0.24	221%	BUY	Raiffeisen Aval has a conservative risk policy, and we therefore assume it will manage to weather the current banking crisis in Ukraine and start to generate profits starting from 2016. The EBRD is expected to purchase a stake in the institution.

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	683.76	1158.71	656.99	0.5%	-3.0%	-4.7%	-33.8%	0.0%	0.0%	0.0%	0.0%
Steel												
Alchevsk Steel	ALMK	0.011	0.018	0.010	-1.9%	-14.5%	-9.4%	-26.9%	-2.4%	-11.6%	-4.7%	6.9%
Azovstal	AZST	0.40	0.89	0.34	1.5%	-5.4%	-3.6%	-45.9%	1.0%	-2.4%	1.1%	-12.1%
Enakievo Steel	ENMZ	15.00	24.88	14.03	-0.7%	-5.4%	1.9%	-28.4%	-1.2%	-2.4%	6.6%	5.4%
Coke												
Avdyivka Coke	AVDK	1.04	1.99	0.86	3.2%	-3.3%	2.0%	-39.9%	2.7%	-0.4%	6.7%	-6.1%
Yasynivsky Coking	YASK	0.33	0.43	0.06	0.0%	0.0%	32.0%	17.9%	-0.5%	3.0%	36.7%	51.7%
Iron Ore Mining												
Centralny GOK	CGOK	7.25	n/a	n/a	0.0%	0.0%	45.0%	-6.9%	-0.5%	3.0%	49.7%	26.9%
Ferrexpo	FXPO	14.00	80.00	14.00	-8.2%	-36.4%	-58.2%	-73.6%	-8.7%	-33.4%	-53.5%	-39.8%
Pivnichny GOK	SGOK	3.99	12.30	2.20	0.0%	0.0%	-13.8%	-52.3%	-0.5%	3.0%	-9.1%	-18.5%
Coal Mining												
Pokrovske Mine	SHCHZ	0.30	n/a	n/a	0.0%	0.0%	20.0%	-36.2%	-0.5%	3.0%	24.7%	-2.3%
Pipe Manufacturing												
Khartsyzk Pipe	HRTR	0.16	0.59	0.12	0.0%	0.0%	-15.8%	-57.9%	-0.5%	3.0%	-11.1%	-24.1%
Railcar Manufacturing												
Kryukiv Wagon	KVBZ	8.00	13.90	7.40	2.6%	-6.3%	-10.6%	-37.7%	2.1%	-3.4%	-5.9%	-3.9%
Luhanskteplovoz	LTPL	0.75	n/a	n/a	0.0%	0.0%	-6.3%	-30.6%	-0.5%	3.0%	-1.5%	3.3%
Specialized Machinery												
Motor Sich	MSICH	1950	2939	1889	-0.7%	-1.7%	-1.8%	-21.5%	-1.2%	1.3%	2.9%	12.4%
Turboatom	TATM	4.10	n/a	n/a	0.0%	0.0%	0.0%	n/a	-0.5%	3.0%	4.7%	n/a
Telecom												
Ukrtelecom	UTLM	0.12	0.21	0.09	0.0%	18.8%	-20.0%	-21.1%	-0.5%	21.8%	-15.3%	12.8%
Oil & Gas												
Regal Petroleum	RPT	3.75	6.50	3.13	0.0%	5.6%	-3.2%	20.0%	-0.5%	8.6%	1.5%	53.8%
JKX Oil	JKX	27.25	37.38	11.75	-0.9%	-0.9%	-5.2%	127.1%	-1.4%	2.0%	-0.5%	160.9%
Ukrnafta	UNAF	174.0	337.6	165.0	1.2%	-1.7%	-11.7%	-14.4%	0.7%	1.3%	-6.9%	19.4%
Power Utilities												
Centrenergo	CEEN	4.63	8.50	4.20	0.0%	1.6%	-8.2%	-38.7%	-0.6%	4.5%	-3.4%	-4.8%
Donbasenergo	DOEN	15.47	35.28	14.90	0.7%	-7.3%	-6.1%	-53.1%	0.1%	-4.3%	-1.4%	-19.3%
Zakhidenergo	ZAEN	91.0	193.9	52.0	0.0%	7.1%	18.2%	-38.6%	-0.5%	10.0%	22.9%	-4.7%
Consumer												
Agroton	AGT	1.06	1.52	0.95	3.9%	1.9%	-2.8%	-13.8%	3.4%	4.9%	2.0%	20.0%
Astarta	AST	32.34	38.50	16.30	-0.3%	-2.0%	-1.7%	61.7%	-0.8%	1.0%	3.0%	95.5%
Avangardo	AVGR	1.50	3.80	0.23	-3.2%	-5.7%	-2.6%	-26.8%	-3.7%	-2.7%	2.1%	7.0%
Industrial Milk Company	IMC	5.85	7.24	4.38	-3.9%	-7.1%	-13.3%	3.2%	-4.5%	-4.2%	-8.6%	37.0%
Kernel	KER	46.01	55.20	26.60	0.0%	4.6%	-6.0%	61.7%	-0.5%	7.5%	-1.3%	95.5%
Mriya Agro Holding	MAYA	n/a	0.91	0.05	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
MHPC	MHPC	8.98	12.05	8.24	-1.3%	-4.5%	-4.5%	-2.4%	-1.8%	-1.5%	0.3%	31.4%
Milkiland	MLK	1.50	3.50	0.89	2.0%	-5.1%	-13.3%	1.4%	1.5%	-2.1%	-8.6%	35.2%
Ovostar Union	OVO	89.00	89.51	68.00	0.0%	0.0%	3.5%	23.6%	-0.5%	3.0%	8.2%	57.4%
Chemicals												
Stirol	STIR	4.20	n/a	n/a	5.0%	-28.8%	-28.8%	-39.4%	4.5%	-25.9%	-24.1%	-5.6%
Banks												
Raiffeisen Bank Aval	BAVL	0.075	0.114	0.069	1.1%	-1.3%	2.5%	-22.1%	0.6%	1.6%	7.2%	11.7%
UkrSotsbank	USCB	0.099	0.145	0.064	0.0%	10.0%	10.0%	-24.0%	-0.5%	13.0%	14.7%	9.9%

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	953	506	496	243	32.0%	35.8%	25.5%	264	184	116	16.7%	13.2%	12.1%
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																
Luhanskeplovov	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	179	41	50	-17	-4	10.9%	neg	neg	42	-22	-9	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	521	11.1%	16.4%	39.0%	23	105	253	0.9%	4.5%	19.0%
Regal Petroleum	RPT	37	35	22	-146	15	10	neg	44.5%	45.5%	-127	6	-1	neg	16.6%	neg
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	630	323	94	26	13	10.3%	4.1%	4.1%	60	6	5	6.5%	0.9%	1.4%
Donbasenergo	DOEN	656	458	190	72	20	-12	11.0%	4.4%	neg	65	8	-16	9.9%	1.8%	neg
Consumer																
MHP	MHPC	1,496	1,379	1,131	391	555	455	26.1%	40.2%	40.2%	162	-412	-81	10.8%	neg	neg
Kernel	KER	2,797	2,393	2,330	291	223	397	10.4%	9.3%	17.0%	105	-107	101	3.8%	neg	4.3%
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	na	301	129	na	45.6%	30.9%	#VALUE!	238	-27	na	36.0%	neg	#VALUE!
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	145	163	145	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	12	3.9%	0	2,625	neg	neg	neg	neg	neg	neg	1.5	3.7	9.4	679	633	614	\$/tonne
Yenakievo Steel	ENMZ	7	8.8%	1	5	neg	neg	0.3	neg	0.8	0.2	0.0	0.0	0.0	2	2	2	\$/tonne
Azovstal	AZST	72	3.0%	2	66	neg	0.9	1.1	neg	0.4	0.5	0.0	0.0	0.0	14	15	14	\$/tonne
Coke																		
Avdyivka Coke	AVDK	9	6.8%	1	-30	neg	neg	neg	-0.7	neg	neg	0.0	-0.1	-0.1	-7	-8	-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	362	0.3%	1	361	1.9	3.2	4.5	1.2	1.6	2.3	0.5	0.6	0.7				
Pivnichny GOK	SGOK	392	0.4%	2	386	0.7	1.2	1.7	0.4	0.6	0.8	0.2	0.3	0.3				
Ferrexpo	FXPO	127	24.0%	31	1,144	0.5	0.7	1.1	2.3	2.3	4.7	0.7	0.8	1.2				
Pipe Manufacturing																		
Khartsyzk Pipe	HRTR	18	2.0%	0	63	3.8	0.8	9.6	2.0	1.5	3.6	0.2	0.3	0.7	101	167	159	\$/tonne
Railcar Manufacturing																		
LuganskTeplovoz	LTPL	7	24.0%	2	44	0.4	neg	n/a	1.2	neg	n/a	0.1	0.3	n/a				
Krukiv Wagon	KVBZ	39	5.0%	2	33	0.9	neg	neg	0.7	neg	neg	0.1	0.2	0.8				
Specialized Machinery																		
Turboatom	TATM	63	5.8%	4	33	0.9	1.2	2.8	0.4	0.4	0.9	0.2	0.2	0.3				
Motor Sich	MSICH	173	24.0%	41	177	1.1	1.3	1.9	0.5	0.5	0.8	0.2	0.2	0.3				
Telecom																		
Ukrtelecom	UTLM	96	7.2%	7	186	neg	5.3	10.5	neg	2.2	2.6	0.2	0.5	0.7				
Oil & Gas																		
Ukrnafta	UNAF	403	3.0%	12	396	17.3	3.8	1.6	1.4	1.0	0.8	0.2	0.2	0.3	n/a	n/a	n/a	\$/boe
Regal Petroleum	RPT	19	21.6%	4	-6	neg	3.2	neg	neg	-0.4	-0.6	-0.2	-0.2	-0.3	n/a	n/a	n/a	\$/boe
JKX Oil & Gas	JKX	73	50.4%	37	181	11.2	neg	14.5	2.7	2.6	2.6	1.0	1.2	1.2	33	25	24	\$/boe
Electric Utilities																		
CentrEnerg	CEEN	73	21.7%	16	56	1.2	12.4	15.8	0.6	2.1	4.2	0.1	0.1	0.2	3	4	4	\$/MWh
DonbasEnerg	DOEN	16	14.2%	2	32	0.2	1.9	neg	0.4	1.6	neg	0.0	0.1	0.2	4	4	4	\$/MWh
Consumer																		
MHP	MHPC	949	34.1%	324	2,055	5.8	neg	neg	5.3	3.7	4.5	1.4	1.5	1.8				
Kernel	KER	984	61.8%	608	1,323	9.4	neg	9.8	4.6	5.9	3.3	0.5	0.6	0.6				
Astarta	AST	217	37.0%	80	420	6.4	neg	neg	4.6	2.9	4.3	0.9	1.0	1.2				
Avangardco	AVGR	96	22.5%	22	393	0.4	neg	n/a	1.3	3.0	n/a	0.6	0.9	n/a	89	68	64	\$/mneqgs
Ovostar	OVO	143	25.0%	36	151	4.6	5.6	5.9	4.2	5.2	6.0	1.9	2.0	1.9	n/a	n/a	n/a	
Banks																		
						P/E			P/Book			P/Assets						
Raiffeisen Bank Aval	BAVL	196	3.5%	7		2.2	neg	neg	0.2	0.5	0.7	0.04	0.07	0.09				
Ukrsotsbank	USCB	327	0.2%	1		>30	>30	>30	0.4	0.6	0.9	0.07	0.14	0.18				

Source: Eavex Research

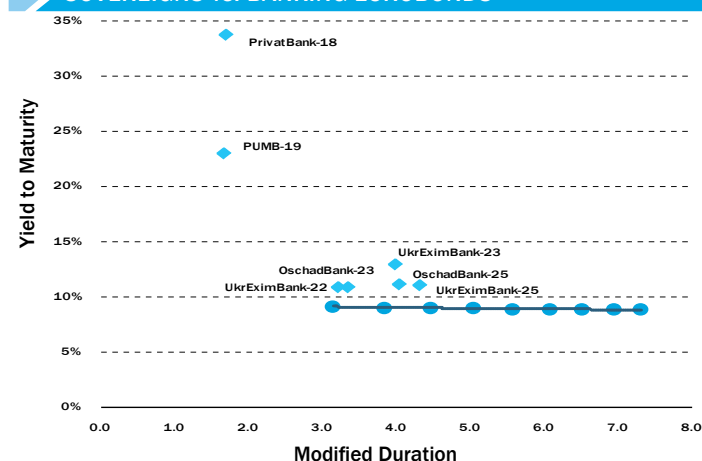
UKRAINIAN EUROBONDS

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, 2019	93.8	94.5	9.8%	9.5%	n/a	3.0	7.75%	S/A	1 Sept 2019	1,155	Caa3/B-/CCC
Ukraine, 2020	92.3	93.2	9.8%	9.6%	n/a	3.7	7.75%	S/A	1 Sept 2020	1,531	Caa3/B-/CCC
Ukraine, 2021	91.8	92.5	9.7%	9.5%	n/a	4.3	7.75%	S/A	1 Sept 2021	1,378	Caa3/B-/CCC
Ukraine, 2022	90.8	91.5	9.7%	9.5%	n/a	4.9	7.75%	S/A	1 Sept 2022	1,355	Caa3/B-/CCC
Ukraine, 2023	89.8	90.5	9.7%	9.5%	n/a	5.4	7.75%	S/A	1 Sept 2023	1,330	Caa3/B-/CCC
Ukraine, 2024	89.0	89.8	9.6%	9.5%	n/a	5.9	7.75%	S/A	1 Sept 2024	1,315	Caa3/B-/CCC
Ukraine, 2025	88.5	89.3	9.6%	9.5%	n/a	6.3	7.75%	S/A	1 Sept 2025	1,306	Caa3/B-/CCC
Ukraine, 2026	87.8	88.5	9.6%	9.5%	n/a	6.7	7.75%	S/A	1 Sept 2026	1,295	Caa3/B-/CCC
Ukraine, 2027	87.3	88.0	9.6%	9.5%	n/a	7.1	7.75%	S/A	1 Sept 2027	1,286	Caa3/B-/CCC
Ukraine, GDP-linked (VRI)	40.3	41.3	n/a	n/a	n/a	n/a	0.00%	S/A	31 May 2040	2,916	Caa3/B-/CCC
Corporate Eurobonds											
Agroton, 2019	10.0	13.0	128.2%	104.5%	-66.0%	1.3	8.00%	S/A	14 Jul 2019	50	//RD
MHP, 2020	87.5	88.5	12.1%	11.7%	27.6%	3.4	8.25%	S/A	2 Apr 2020	750	/CCC-/CCC
Avangardco, 2018	49.1	51.1	39.9%	38.1%	-18.5%	2.2	10.00%	S/A	29 Oct 2018	206	//WD
UkrLandFarming, 2018	49.0	51.0	51.4%	48.9%	11.1%	1.5	10.88%	S/A	26 Mar 2018	500	/CC/WD
Mriya, 2016	13.0	16.0	n/a	n/a	11.5%	0.0	10.95%	S/A	30 Mar 2016	72	/SD/RD
Mriya, 2018	n/a	n/a	n/a	n/a	n/a	1.2	9.45%	S/A	19 Apr 2018	400	/SD/RD
DTEK, 2018	39.0	43.0	65.4%	58.9%	-47.4%	1.4	10.375%	S/A	28 Mar 2018	160	Ca//C
DTEK, 2018	43.0	46.0	54.2%	50.1%	-2.2%	1.6	7.88%	S/A	4 Apr 2018	750	Ca//C
Metinvest, 2016	55.9	58.0	n/a	n/a	-27.9%	0.0	10.25%	S/A	31 Jan 2016	85	Caa3//C
Metinvest, 2017	44.2	46.3	65.2%	61.6%	-35.4%	0.6	10.50%	S/A	28 Nov 2017	290	Caa3//C
Metinvest, 2018	43.0	46.0	58.6%	54.2%	-19.8%	1.4	8.75%	S/A	14 Feb 2018	750	Caa3//C
Ferrexpo, 2019	54.9	58.6	34.2%	31.4%	-27.3%	2.5	10.375%	S/A	07 Apr 2019	186	Caa3//C
Ferrexpo, 2019	43.0	46.0	58.6%	54.2%	-42.9%	1.4	10.375%	S/A	07 Apr 2019	161	Caa3//C
RailUA, 2018	85.7	87.1	16.9%	16.2%	62.9%	2.0	9.50%	S/A	21 May 2018	500	/CC/C
Interepipe, 2017	30.0	35.0	129.6%	110.4%	-40.9%	0.8	10.25%	S/A	2 Aug 2017	200	//
JKX Oil&Gas, 2018	68.5	73.1	35.6%	31.8%	21.5%	0.9	8.00%	S/A	19 Feb 2018	40	
Bank Eurobonds											
Fin&Credit Bank, 2019	8.8	11.8	147.2%	122.2%	-87.7%	1.3	9.25%	S/A	25 Jan 2019	100	//
PUMB, 2018	72.1	75.0	24.3%	22.6%	4.3%	1.6	11.00%	Q	31 Dec 2018	275	WR//NR
Nadra Bank, 2018	5.5	10.5	n/a	n/a	-36.1%	0.0	6.25%	A	31 Jul 2018	60	//
PrivatBank, 2018-2	75.0	77.0	26.6%	25.0%	21.6%	n/a	10.25%	S/A	23 Jan 2018	200	//
PrivatBank, 2021	61.8	64.4	24.5%	23.3%	n/a	3.3	11.00%	S/A	09 Feb 2021	220	//
PrivatBank, 2018	65.5	65.5	34.4%	34.4%	11.0%	1.6	10.88%	S/A	28 Feb 2018	175	//
UkrEximBank, 2022	89.4	90.5	12.1%	11.8%	16.1%	3.2	9.625%	S/A	27 Apr 2022	750	WR//C
UkrEximBank, 2023	72.9	76.4	13.9%	12.9%	49.3%	n/a	7.51%	S/A	9 Feb 2023	125	Ca//C
UkrEximBank, 2025	87.3	88.4	12.1%	11.9%	46.4%	4.2	9.75%	S/A	22 Jun 2025	600	Ca//C
VAB Bank, 2019	n/a	n/a	n/a	n/a	n/a	n/a	9.00%	Q	14 Jun 2019	88	//WD
Oschadbank, 2023	89.1	90.1	11.6%	11.4%	37.8%	3.1	8.25%	S/A	10 Mar 2023	700	Ca//CC
Oschadbank, 2025	87.6	88.7	11.9%	11.6%	54.7%	3.9	8.88%	S/A	20 Mar 2025	500	Ca//CC
Municipal Eurobonds											
City of Kyiv, 2015	82.6	84.3	n/a	n/a	n/a	n/a	8.00%	S/A	6 Nov 2015	250	//
City of Kyiv, 2016	80.1	83.3	n/a	n/a	15.0%	n/a	9.375%	S/A	11 Jul 2016	300	//

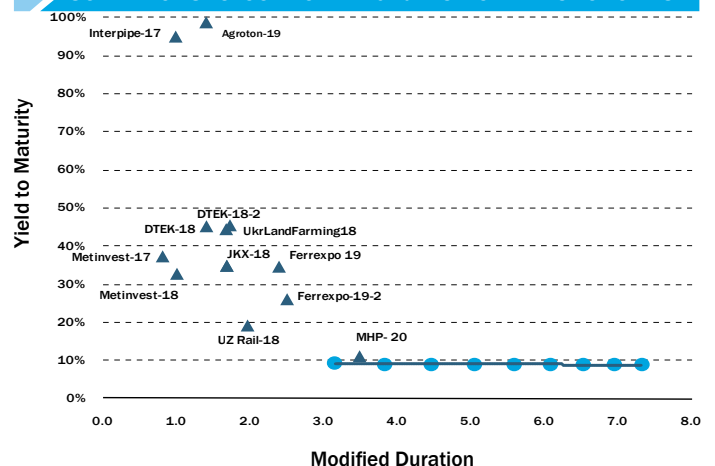
¹ Moody's/S&P/Fitch

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									
UA4000142665			20%	19%	n/a	14.30%	S/A	24 May 2017	n/a
VAT Bonds									
UA4000185151			20%	19%	1.9	9.50%	S/A	8 Jul 2019	3,577
UA4000185557			20%	19%	1.9	9.50%	S/A	22 Jul 2019	2,171
UA4000186159			20%	19%	1.9	9.50%	S/A	20 Aug 2019	955

Source: Bloomberg, Cbonds, Eavex Research

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