

Market Update

Equity

The UX index enjoyed a solid advance of 3.1% on Friday (Jan 29) to end the month of January at 652 points. Market players covered short positions after a clearly bearish start to the year. The local benchmark still finished down 4.9% for the month, which was nonetheless a bit better than the drop of 6.5% for the MSCI Emerging Markets index. All 10 UX index components were higher on Friday, with low-liquidity Krukiv Wagon (KVBZ) posting the largest gain; the issue jumped 12.7% to UAH 8.68 per share. UkrNafta (UNAF) added 4.1% to UAH 159 and Motor Sich (MSICH) picked up 1.0% to UAH 1784. On the interbank market, the hryvnia continued to suffer losses, declining by 1.8% to bid/ask of 25.55/25.70 UAH/USD on turnover of around USD 100mn. The NBU did not intervene the market to support the currency. In London, Ferrexpo (FXPO) gained 2.5% to GBp 17.50 while both MHP (MHPC) and Avangard (AVGR) were unchanged at USD 8.00 and USD 1.20 respectively. Warsaw-listed Astarta (AST) fell 6.8% to PLN 29.80 after a firm rise in the previous session, and Kernel (KER) climbed 1.0% to PLN 44.85.

Fixed Income

Ukraine's longest sovereign Eurobond issue ended substantially higher on Friday, with Ukraine-27s improving by 1.8p.p. to 90.5/91.5 (9.1%/8.9%), while medium-term benchmark Ukraine-19s finished flat at 94.0/95.0 (9.8%/9.4%). In corporate debt, Avangard-18s slipped 0.5p.p. to 44.0/48.0 (46.8%/42.6%) and Metinvest-18s rose 1.0p.p. to 42.0/44.0 (62.9%/59.5%) after the bondholders agreed to extend an expiring debt-servicing moratorium through late May.

Highlights

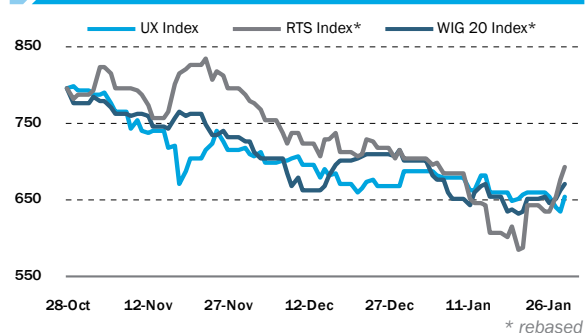
POLITICS AND ECONOMICS

- > Minsk Agreement in Limbo After Constitutional Change Postponed

FIXED INCOME

- > Court Finalizes Metinvest Debt Standstill Extension

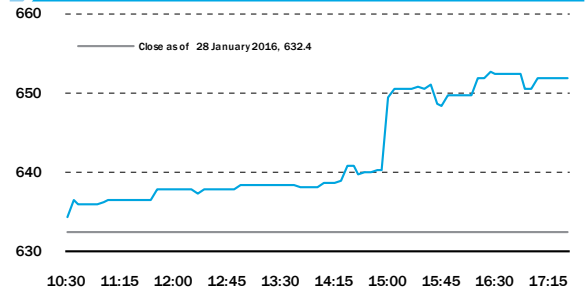
STOCK MARKET PERFORMANCE



MARKET INDEXES

	Last	1D ch	1M ch	YTD
UX	652.0	3.1%	-2.3%	-4.9%
RTS	745.3	2.5%	-3.2%	-1.6%
WIG20	1780.3	1.4%	-6.0%	-4.2%
MSCI EM	742.4	2.8%	-7.2%	-6.2%
S&P 500	1940.2	2.5%	-6.6%	-6.0%

UX INTRADAY JANUARY 29, 2016



FIXED INCOME

	Last	1D ch	1M ch	YTD
EMBI+Global	493.6	0.7%	12.1%	11.7%
CDS 5Y UKR	1050.0	0.0%	0.0%	0.0%
Ukraine-19	9.6%	0.2 p.p.	-0.1%	1.8%
Ukraine-27	9.0%	-0.3 p.p.	-0.6%	1.3%
MHP-20	12.6%	-0.1 p.p.	0.4 p.p.	0.5 p.p.
RAILUA-18	18.0%	0.3 p.p.	1.3 p.p.	1.3 p.p.

CURRENCY

	Last, UAH	1D ch	1M ch	YTD
USD	25.65	2.0%	7.8%	6.8%
EUR	27.79	1.0%	6.9%	5.8%
RUB	0.34	3.2%	3.2%	4.0%

COMMODITIES

	Last	1D ch	1M ch	YTD
Wheat, USD/t*	172.5	0.0%	-5.5%	-5.5%
Steel, USD/t	257.5	0.0%	2.0%	2.0%
Oil, USD/bbl	36.0	3.4%	-7.8%	-2.4%
Gold, USD/oz	1118.2	0.3%	4.6%	5.3%

*Ukraine FOB

Source: Bloomberg, Ukrainian Exchange

Minsk Agreement in Limbo After Constitutional Change Postponed

by Will Ritter
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NEWS

The Ukrainian Parliament last week (Jan 28) moved to delay its previously scheduled vote on changing the country's constitution to provide more local governing powers to certain regions, which is a key part of the Minsk peace agreement to resolve the conflict with separatists occupying Donetsk and Lugansk provinces. Originally, the vote had been required to take place by the end of January as a follow-up to last year's Aug 31 preliminary approval, but the bill passed last week (by a thin majority of 229 MPs) leaves open the possibility of holding the vote at a later date. The constitutional change requires 300 MPs in favor, or about 72% of the chamber's 425 seats with filled mandates. The administration of President Poroshenko, the main advocate of the changes, engineered the postponement of the vote after it became clear that neither of the junior coalition parties (Samopomich and Batkivschyna) would support it.

COMMENTARY

This failure by Ukraine to approve the constitutional decentralization package (the first step in granting the Donbass autonomy laid out in the Minsk deal) comes fully in line with our expectations, as there are simply too many hard-line ideological nationalists in Parliament to find a super-majority of 300 votes. Since this development was foreseeable, we assume that recent closed-door diplomacy among Kyiv, Moscow, the US and the EU has been focused on a secret re-formatting of the peace agreement to ensure that war does not resume in the Donbass. Negotiations that have occurred in the last 3 weeks included a meeting of top US State Department official Victoria Nuland with Kremlin "grey cardinal" Vladislav Surkov, as well former Russian State Duma speaker Boris Gryzlov meeting with President Poroshenko. We therefore now assume that a second, unpublicized version of the Minsk agreement is being prepared to replace the one signed last February which is de facto not being implemented. The wrangling over the Donbass autonomy is only one part of the bigger Ukrainian political picture, in which pro-European moderates led by Poroshenko are facing off against populist-nationalists led by Yulia Tymoshenko (Batkivschyna) and Yegor Sobolev (Sampomich), both of whom are trying to force a resignation of the Cabinet of Ministers. Importantly, it is not clear where current Prime Minister Arseniy Yatseniuk stands in this developing conflict, and whether he might join the populist opposition in the event that his government resigns. We continue to roll toward an inevitable confrontation between Ukrainian populism-nationalism on the one hand, and the West's demands for compromise on the Donbass and implementation of unpopular free market reforms on the other.

Court Finalizes Metinvest Debt Standstill Extension

by Ivan Dzvinka
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NEWS

The High Court of England and Wales on Friday (Jan 29) approved an arrangement between Metinvest, Ukraine's largest metals & mining group, and the holders of its bonds, the company reported. This represents the conclusive step in extending the group's debt servicing moratorium following the bondholder meeting held on Jan 27 that approved the deal. About 92% by value and 93% by number of the creditors present and voting at the meeting supported the deal.

COMMENTARY

The approved scheme effectively prolongs the Metinvest's expiring debt "standstill" with bondholders until May 27. The bondholders who accepted the extension are set to receive USD 1.25 bonus for each USD 1,000 of bond principal owned. Another USD 1.25 per USD 1,000 principal is possible on Apr 1 if bondholders do not terminate the scheme by that time.

Over the moratorium period, Metinvest is committed to:

- paying 30% of the interest due on its debt (both bonds and bank loans);
- using the difference of its cash available and USD 180mn to repay interest on debt on a pro rata basis; 3) limiting the monthly group-wide CapEx to USD 28mn;
- providing monthly reports; and
- refraining from making any payments to Metinvest shareholders in relation to loans and dividends. The accrued but unpaid interest will be capitalized and added to the principal.

The next step for the group is negotiating a similar standstill arrangement with its PXF loan providers (banks) before penetrating into an overall restructuring of the group's debt burden.

EAVEX RECOMMENDATIONS

Name	Ticker	Price, per share	Target price, per share	Upside, %	Rating	Commentary
Agriculture						
Kernel	KER PW	44.8	57.20	28%	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	8.0	12.03	50%	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	29.8	36.1	21%	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	60%	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	1.2	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	93.0	80.8	-13%	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	17.5	11.0	-37%	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	0.35	0.56	60%	SELL	Non-transparent accounting practices overseen by majority owner Metinvest detrimentally affect Azovstal's reported earnings.
Coke						
Avdyivka Coke	AVDK	1.13	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	1784	5250	194%	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	2.9	U/R	--	U/R	Regal has repeatedly missed its production targets since 2012.
JKX Oil & Gas	JKX	25.5	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						
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	4.37	15.00	243%	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	0.072	0.24	235%	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	651.95	1158.71	613.85	3.1%	-1.1%	-2.3%	-4.9%	0.0%	0.0%	0.0%	0.0%
Steel												
Alchevsk Steel	ALMK	0.013	0.017	0.010	6.7%	5.8%	24.3%	15.3%	3.6%	6.9%	26.6%	20.3%
Azovstal	AZST	0.35	0.89	0.33	1.8%	-7.9%	-7.2%	-13.0%	-1.3%	-6.8%	-4.9%	-8.1%
Enakievo Steel	ENMZ	13.94	20.82	8.60	3.8%	-6.9%	3.3%	-0.4%	0.7%	-5.7%	5.6%	4.5%
Coke												
Avdyivka Coke	AVDK	1.13	1.67	0.86	1.4%	-1.1%	7.2%	2.3%	-1.6%	0.0%	9.5%	7.2%
Yasnyivsky Coking	YASK	0.23	0.43	0.06	27.8%	-4.2%	0.0%	0.0%	24.7%	-3.0%	2.3%	4.9%
Iron Ore Mining												
Centralny GOK	CGOK	4.00	n/a	n/a	0.0%	-11.1%	-44.8%	-6.1%	-3.1%	-10.0%	-42.5%	-1.2%
Ferrexpo	FXPO	17.50	80.00	14.00	2.9%	4.5%	-15.7%	-18.6%	-0.1%	5.6%	-13.4%	-13.7%
Pivnichny GOK	SGOK	3.25	9.50	2.20	0.0%	-16.6%	-21.9%	-38.7%	-3.1%	-15.5%	-19.6%	-33.7%
Coal Mining												
Pokrovske Mine	SHCHZ	0.23	n/a	n/a	0.0%	0.0%	0.0%	0.0%	-3.1%	1.1%	2.3%	4.9%
Pipe Manufacturing												
Khartsyzk Pipe	HRTR	0.12	0.59	0.07	0.0%	-36.8%	-33.3%	-33.3%	-3.1%	-35.7%	-31.0%	-28.4%
Railcar Manufacturing												
Kryukiv Wagon	KVBZ	8.68	13.39	6.82	12.7%	8.4%	21.6%	9.7%	9.6%	9.5%	23.9%	14.7%
Luhanskteplovoz	LTPL	0.45	n/a	n/a	0.0%	0.0%	50.0%	0.0%	-3.1%	1.1%	52.3%	4.9%
Specialized Machinery												
Motor Sich	MSICH	1784	2939	1740	1.0%	-2.0%	-8.7%	-9.9%	-2.1%	-0.8%	-6.4%	-4.9%
Turboatom	TATM	6.00	n/a	n/a	0.0%	-7.7%	33.3%	33.3%	-3.1%	-6.5%	35.6%	38.3%
Telecom												
Ukrtelecom	UTLM	0.12	0.21	0.09	0.0%	-24.8%	0.0%	0.0%	-3.1%	-23.6%	2.3%	4.9%
Oil & Gas												
Regal Petroleum	RPT	2.93	6.50	2.91	0.7%	-6.5%	-2.5%	-22.0%	-2.4%	-5.4%	-0.2%	-17.1%
JKX Oil	JKX	25.50	37.38	12.75	-1.0%	-3.8%	-6.4%	-6.4%	-4.1%	-2.6%	-4.1%	-1.5%
Ukrnafta	UNAF	159.1	337.6	140.0	4.1%	-5.3%	-7.6%	-10.1%	1.0%	-4.2%	-5.3%	-5.2%
Power Utilities												
Centrenergo	CEEN	4.37	8.50	4.12	1.9%	-1.9%	-4.7%	-4.1%	-1.2%	-0.7%	-2.4%	0.8%
Donbasenergo	DOEN	15.51	32.68	13.90	5.3%	3.4%	2.6%	-1.6%	2.2%	4.5%	4.9%	3.4%
Zakhidenergo	ZAEN	70.1	193.9	52.0	0.0%	0.0%	-4.0%	-16.5%	-3.1%	1.1%	-1.7%	-11.6%
Consumer												
Agroton	AGT	0.80	1.52	0.80	-1.2%	-3.6%	-18.4%	-20.8%	-4.3%	-2.5%	-16.1%	-15.8%
Astarta	AST	29.80	38.50	21.19	-6.8%	1.6%	-11.0%	-13.6%	-9.9%	2.8%	-8.8%	-8.7%
Avangardo	AVGR	1.20	3.80	0.23	0.0%	20.0%	-4.0%	-4.0%	-3.1%	21.1%	-1.7%	0.9%
Industrial Milk Company	IMC	5.88	7.24	4.38	0.2%	0.7%	-1.5%	-1.5%	-2.9%	1.8%	0.8%	3.4%
Kernel	KER	44.84	55.20	29.40	1.0%	7.3%	-6.8%	-6.8%	-2.1%	8.4%	-4.5%	-1.8%
Mriya Agro Holding	MAYA	n/a	0.57	0.05	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
MHPC	MHPC	8.00	12.05	7.28	0.0%	4.4%	-8.4%	-14.0%	-3.1%	5.6%	-6.1%	-9.0%
Milkiland	MLK	1.17	3.50	0.89	-0.8%	3.5%	-19.9%	-17.6%	-3.9%	4.7%	-17.6%	-12.7%
Ovostar Union	OVO	93.00	93.00	68.00	0.0%	4.5%	3.9%	2.8%	-3.1%	5.6%	6.2%	7.7%
Chemicals												
Stirol	STIR	3.20	n/a	n/a	-8.6%	-46.2%	-46.2%	-46.2%	-11.7%	-45.1%	-43.9%	-41.3%
Banks												
Raiffeisen Bank Aval	BAVL	0.072	0.114	0.069	0.4%	0.3%	-3.5%	-4.8%	-2.7%	1.4%	-1.2%	0.2%
UkrSotsbank	USCB	0.066	0.118	0.064	0.0%	-31.5%	-37.1%	-33.2%	-3.1%	-30.3%	-34.8%	-28.3%

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		
		2014	2015E	2016E	2014	2015E	2016E	2014	2015E	2016E	2014	2015E	2016E	2014	2015E	2016E
Steel																
Alchevsk Steel	ALMK	1,254	527	517	248	-50	-54	19.7%	-9.6%	-10.5%	na	-115	-110	na	-21.8%	-21.4%
Enakievo Steel	ENMZ	916	642	482	6	18	13	0.6%	2.8%	2.6%	-33	-37	-42	-3.6%	-5.7%	-8.7%
Azovstal	AZST	1,885	1,157	868	183	70	45	9.7%	6.0%	5.1%	77	-38	-40	4.1%	-3.3%	-4.6%
Coke																
Avdyivka Coke	AVDK	533	294	258	-60	31	27	na	10.7%	10.5%	-67	4	1	-12.5%	1.3%	0.5%
Yasynivsky Coking	YASK	162	83	66	-12	-9	-10	-7.3%	na	-15.8%	-19	-11	-11	-11.5%	-13.9%	-17.0%
Iron Ore Mining																
Centralny GOK	CGOK	523	307	223	261	164	118	49.9%	53.5%	53.0%	64	-1	-7	12.3%	-0.4%	-3.3%
Pivnichny GOK	SGOK	1,048	615	447	571	251	140	54.5%	40.8%	31.3%	129	-2	-15	12.3%	-0.4%	-3.3%
Ferrexpo	FXPO	1,388	953	727	496	243	65	35.8%	25.5%	8.9%	184	116	-29	13.2%	12.1%	-3.9%
Pipe Manufacturing																
Khartsyzk Pipe	HRTR	193	92	75	43	18	12	22.6%	19.3%	15.8%	23	2	1	11.7%	2.0%	1.1%
Railcar Manufacturing																
Kryukiv Wagon	KVBZ	179	41	46	-17	-4	-4	-9.3%	-9.3%	-7.7%	-22	-9	-4	-12.3%	-22.2%	-9.1%
Specialized Machinery																
Turboatom	TATM	164	115	83	73	39	29	44.6%	34.0%	35.0%	53	23	17	32.4%	20.0%	20.0%
Motor Sich	MSICH	879	636	630	342	218	191	38.9%	34.3%	30.3%	129	92	75	14.7%	14.5%	11.9%
Telecom																
Ukrtelecom	UTLM	412	254	207	85	72	58	20.6%	28.5%	28.0%	18	9	4	4.4%	3.6%	2.0%
Oil & Gas																
Ukrnafta	UNAF	2,324	1,336	963	380	247	120	16.4%	18.4%	12.5%	105	161	33	4.5%	12.1%	3.4%
Regal Petroleum	RPT	37	35	22	-146	15	10	na	44.5%	45.5%	-127	6	-1	na	16.6%	-4.5%
JKX Oil	JKX	146	150	120	69	70	55	46.9%	46.7%	45.8%	-80	5	2	-54.4%	3.3%	1.7%
Electric Utilities																
Centrenerg	CEEN	630	323	353	26	13	12	4.1%	4.1%	3.5%	6	5	10	0.9%	1.4%	2.9%
Donbasenerg	DOEN	458	190	178	20	-12	6	4.4%	-6.5%	3.5%	8	-16	2	1.8%	-8.5%	1.2%
Consumer																
MHP	MHPC	1,379	1,131	1,290	510	455	450	37.0%	40.2%	34.9%	-412	-81	211	-29.9%	-7.2%	16.4%
Kernel	KER	2,393	2,330	2,382	223	397	345	9.3%	17.0%	14.5%	-107	101	182	-4.5%	4.3%	7.6%
Astarta	AST	468	360	385	159	102	114	34.0%	28.2%	29.6%	-90	-12	19	-19.3%	-3.4%	4.9%
Avangardco	AVGR	420	na	na	129	na	na	30.9%	na	na	-27	na	na	-6.4%	na	na
Ovostar	OVO	75	na	na	29	na	na	38.9%	na	na	26	na	na	34.5%	na	na
Banks																
		Total Assets			Total Equity			Total Income			Net Profit			Return on Equity		
Raiffeisen Bank Aval	BAVL	2,869	1,992	2,302	390	296	318	327	217	216	-87	-115	33	-22.2%	-38.9%	10.4%
Ukrsotsbank	USCB	2,730	1,833	1,976	518	333	278	150	86	77	-42	-415	-50	-8.0%	-124.4%	-17.9%

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		
				2014	2015E	2016E	2014	2015E	2016E	2014	2015E	2016E	2014	2015E	2016E			
Steel																		
Alchevsk Steel	ALMK	13	3.9%	0	2,628	n/a	neg	neg	10.6	neg	neg	2.1	5.0	5.1	679	633	615	\$/tonne
Yenakievo Steel	ENMZ	6	8.8%	1	220	neg	neg	neg	>30	12.4	17.6	0.2	0.3	0.5	80	76	75	\$/tonne
Azovstal	AZST	57	3.0%	2	21	0.7	neg	neg	0.1	0.3	0.5	0.0	0.0	0.0	4	5	5	\$/tonne
Coke																		
Avdivivka Coke	AVDK	9	6.8%	1	7	neg	2.2	6.9	neg	0.2	0.3	0.0	0.0	0.0	2	2	2	\$/tonne
Yasynivsky Coke	YASK	2	9.0%	0	2	neg	neg	neg	neg	neg	neg	0.0	0.0	0.0	n/a	n/a	n/a	\$/tonne
Iron Ore Mining																		
Centralny GOK	CGOK	183	0.3%	0	181	2.8	neg	neg	0.7	1.1	1.5	0.3	0.6	0.8				
Pivnichny GOK	SGOK	292	0.4%	1	285	2.3	neg	neg	0.5	1.1	2.0	0.3	0.5	0.6				
Ferrexpo	FXPO	146	24.0%	35	1,163	0.8	1.3	neg	2.3	4.8	18.0	0.8	1.2	1.6				
Pipe Manufacturing																		
Khartsyzk Pipe	HRTR	12	2.0%	0	58	0.5	6.6	14.6	1.3	3.3	4.9	0.3	0.6	0.8	145	193	232	\$/tonne
Railcar Manufacturing																		
Krukiv Wagon	KVBZ	39	5.0%	2	33	neg	neg	neg	neg	neg	neg	0.2	0.8	0.7				
Specialized Machinery																		
Turboatom	TATM	58	5.8%	3	27	1.1	2.5	3.5	0.4	0.7	0.9	0.2	0.2	0.3				
Motor Sich	MSICH	145	24.0%	35	149	1.1	1.6	1.9	0.4	0.7	0.8	0.2	0.2	0.2				
Telecom																		
Ukrtelecom	UTLM	88	7.2%	6	178	4.8	9.5	21.1	2.1	2.5	3.1	0.4	0.7	0.9				
Oil & Gas																		
Ukrnafta	UNAF	336	3.0%	10	330	3.2	2.1	10.1	0.9	1.3	2.7	0.1	0.2	0.3	n/a	n/a	n/a	\$/boe
Regal Petroleum	RPT	13	21.6%	3	-12	neg	2.3	neg	neg	-0.8	-1.2	-0.3	-0.3	-0.5	n/a	n/a	n/a	\$/boe
JKX Oil & Gas	JKX	62	50.4%	31	171	neg	12.5	>30	2.5	2.4	3.1	1.2	1.1	1.4	31	23	23	\$/boe
Electric Utilities																		
CentrEnergO	CEEN	63	21.7%	14	46	10.7	13.7	6.1	1.8	3.5	3.7	0.1	0.1	0.1	3	3	3	\$/MWh
DonbasEnergO	DOEN	14	14.2%	2	30	1.7	neg	6.9	1.5	neg	4.9	0.1	0.2	0.2	4	4	4	\$/MWh
Consumer																		
MHP	MHPC	845	34.1%	288	1,951	neg	neg	4.0	3.8	4.3	4.3	1.4	1.7	1.5				
Kernel	KER	877	61.8%	541	1,258	neg	8.7	4.8	5.6	3.2	3.6	0.5	0.5	0.5				
Astarta	AST	183	37.0%	68	386	neg	neg	9.8	2.4	3.8	3.4	0.8	1.1	1.0				
Avangardco	AVGR	77	22.5%	17	374	neg	n/a	n/a	2.9	n/a	n/a	0.9	n/a	n/a	85	64	61	\$/mneggs
Ovostar	OVO	137	25.0%	34	144	5.3	n/a	n/a	5.0	n/a	n/a	1.9	n/a	n/a	n/a	n/a	n/a	
Banks																		
						P/E			P/Book			P/Assets						
Raiffeisen Bank Aval	BAVL	172	1.8%	3		neg	neg	5.2	0.4	0.6	0.5	0.06	0.09	0.07				
Ukrsotsbank	USCB	199	0.2%	0		>30	>30	>30	0.5	0.6	0.7	0.12	0.17	0.16				

Source: Eavex Research

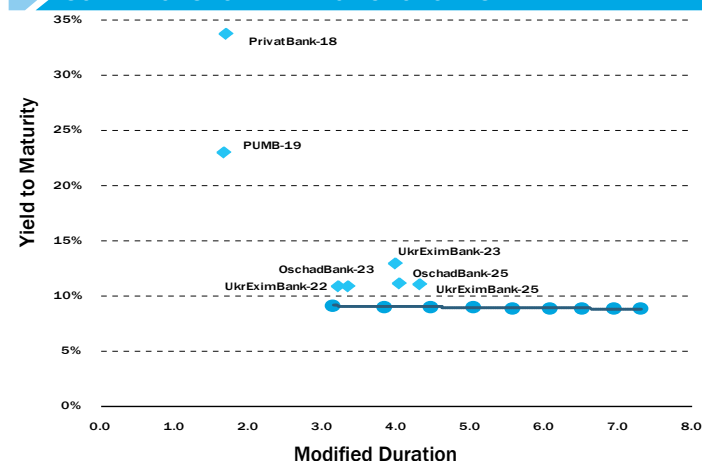
UKRAINIAN EUROBONDS

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	94.0	95.0	9.8%	9.4%	0.9%	2.9	7.75%	S/A	1 Sept 2019	1,155	Caa3/B-/CCC
Ukraine, 2020	94.3	95.0	9.3%	9.1%	2.4%	3.6	7.75%	S/A	1 Sept 2020	1,531	Caa3/B-/CCC
Ukraine, 2021	92.5	93.5	9.5%	9.3%	1.5%	4.2	7.75%	S/A	1 Sept 2021	1,378	Caa3/B-/CCC
Ukraine, 2022	92.0	93.0	9.4%	9.2%	2.1%	4.8	7.75%	S/A	1 Sept 2022	1,355	Caa3/B-/CCC
Ukraine, 2023	91.5	92.5	9.3%	9.1%	2.6%	5.4	7.75%	S/A	1 Sept 2023	1,330	Caa3/B-/CCC
Ukraine, 2024	91.0	92.0	9.3%	9.1%	3.0%	5.8	7.75%	S/A	1 Sept 2024	1,315	Caa3/B-/CCC
Ukraine, 2025	90.5	91.5	9.3%	9.1%	3.0%	6.3	7.75%	S/A	1 Sept 2025	1,306	Caa3/B-/CCC
Ukraine, 2026	90.5	91.5	9.2%	9.0%	3.9%	6.7	7.75%	S/A	1 Sept 2026	1,295	Caa3/B-/CCC
Ukraine, 2027	90.5	91.5	9.1%	8.9%	4.4%	7.1	7.75%	S/A	1 Sept 2027	1,286	Caa3/B-/CCC
Ukraine, GDP-linked (VRI)	36.5	38.0	n/a	n/a	-8.6%	n/a	0.00%	S/A	31 May 2040	2,916	Caa3/B-/CCC
Corporate Eurobonds											
Agroton, 2019	10.0	13.0	112.0%	94.9%	0.0%	1.6	8.00%	S/A	14 Jul 2019	50	//RD
MHP, 2020	85.4	87.0	12.9%	12.3%	-1.4%	3.2	8.25%	S/A	2 Apr 2020	750	/CCC-/CCC
Avangardco, 2018	44.0	48.0	46.8%	42.6%	-9.9%	2.1	10.00%	S/A	29 Oct 2018	206	//WD
UkrLandFarming, 2018	40.0	50.0	67.4%	52.1%	-10.0%	1.4	10.88%	S/A	26 Mar 2018	500	/CC/WD
Mriya, 2016	11.0	14.0	n/a	n/a	0.0%	0.0	10.95%	S/A	30 Mar 2016	72	/SD/RD
Mriya, 2018	n/a	n/a	n/a	n/a	-4.0%	1.1	9.45%	S/A	19 Apr 2018	400	/SD/RD
DTEK, 2018	40.0	44.0	66.4%	59.8%	1.2%	n/a	10.375%	S/A	28 Mar 2018	160	Ca//C
DTEK, 2018	41.5	44.5	58.9%	54.4%	-3.4%	1.5	7.88%	S/A	4 Apr 2018	750	Ca//C
Metinvest, 2016	41.8	44.8	n/a	n/a	-23.6%		10.25%	S/A	31 Jan 2016	85	Caa3//C
Metinvest, 2017	41.4	43.9	69.0%	64.3%	-5.9%	0.4	10.50%	S/A	28 Nov 2017	290	Caa3//C
Metinvest, 2018	42.0	44.0	62.9%	59.5%	-3.4%	1.4	8.75%	S/A	14 Feb 2018	750	Caa3//C
Ferrexpo, 2019	54.1	57.0	35.6%	33.2%	1.5%	2.5	10.375%	S/A	07 Apr 2019	186	Caa3//C
Ferrexpo, 2019	42.0	44.0	62.9%	59.5%	-4.9%	1.4	10.375%	S/A	07 Apr 2019	161	Caa3//C
RailUA, 2018	83.8	85.1	18.4%	17.6%	-2.1%	1.9	9.50%	S/A	21 May 2018	500	/CC/C
Interepipe, 2017	30.0	35.0	123.4%	105.7%	8.3%	0.9	10.25%	S/A	2 Aug 2017	200	//
JKX Oil&Gas, 2018	70.1	79.8	35.7%	27.8%	4.1%	0.8	8.00%	S/A	19 Feb 2018	40	
Bank Eurobonds											
Fin&Credit Bank, 2019	5.1	10.8	175.0%	118.5%	-13.6%	1.5	9.25%	S/A	25 Jan 2019	100	//
PUMB, 2018	72.8	79.0	24.3%	20.8%	2.4%	1.7	11.00%	Q	31 Dec 2018	275	WR//NR
Nadra Bank, 2018	3.0	9.3	n/a	n/a	-15.6%	0.2	6.25%	A	31 Jul 2018	60	//
PrivatBank, 2018-2	69.0	71.0	32.8%	30.9%	-7.9%	n/a	10.25%	S/A	23 Jan 2018	200	//
PrivatBank, 2021	61.0	63.0	25.1%	24.1%	-7.5%	3.2	11.00%	S/A	09 Feb 2021	220	//
PrivatBank, 2018	65.0	68.0	36.3%	33.4%	-2.2%	1.5	10.88%	S/A	28 Feb 2018	175	//
UkrEximBank, 2022	88.2	89.2	12.4%	12.1%	-1.0%	n/a	9.625%	S/A	27 Apr 2022	750	WR//C
UkrEximBank, 2023	73.6	75.9	13.9%	13.2%	0.9%	n/a	7.51%	S/A	9 Feb 2023	125	Ca//C
UkrEximBank, 2025	85.8	86.9	12.4%	12.2%	-1.1%	4.3	9.75%	S/A	22 Jan 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	87.1	88.2	12.1%	11.9%	-1.5%	3.0	8.25%	S/A	10 Mar 2023	700	Ca//CC
Oschadbank, 2025	85.4	86.5	12.3%	12.1%	-2.0%	3.8	8.88%	S/A	20 Mar 2025	500	Ca//CC
Municipal Eurobonds											
City of Kyiv, 2015	82.8	84.2	n/a	n/a	0.0%	n/a	8.00%	S/A	6 Nov 2015	101	//

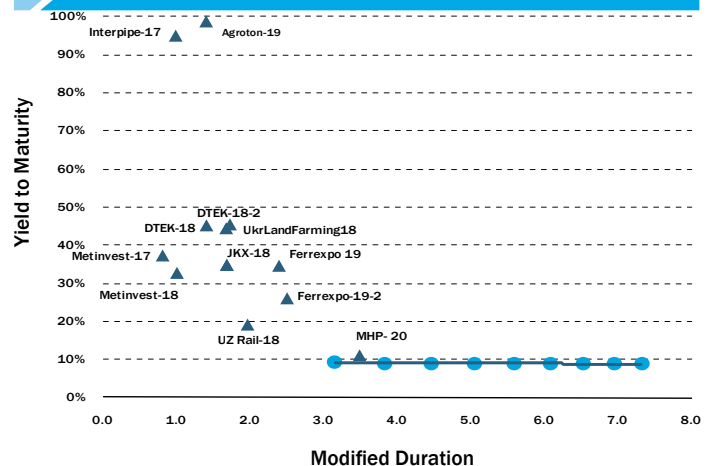
¹ Moody's/S&P/Fitch

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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