

## Stock Market Update

### Equity

It was a quiet start to the year on the PFTS exchange, which is Ukraine's most active trading platform amid the ongoing restricted activity of the larger UX exchange. The PFTS index was a top emerging market performer worldwide in 2018, skyrocketing by 80%, although the index's basket of largely illiquid stocks is prone to distortion. Another top-performing stock index was the MBI 10 of the Macedonian Stock Exchange (MSE), which rose by some 30% in 2018. The worst global equity performer in USD terms in 2018 was Venezuela, which saw its IBVC index collapse more than 94 percent, and the second worst was in Argentina, which closed more than 50 percent lower after Buenos Aires found itself in yet another financial crisis.

As we reported earlier, the performance of the broad 20-stock PFTS index last year was significantly distorted by the low liquidity of Ukrainian stocks. We prefer to measure the market performance with the 5-stock UX index, which added some 25% in 2018. The UX index kicked off 2019 with a small 0.3% gain to 1710 points. Top financial issue Raiffeisen Bank Aval (BAVL) picked up 0.9% to 34.30 kopecks. The bank is expected to report a solid net profit of 7.80 kopecks per share for FY18 and to pay out nearly all of this profit with a hefty dividend of 7.50 kopecks.

London-listed Ukrainian names had a mixed start to the year. Ferrexpo (FXPO) and MHP (MHPC) declined by 3.3% and 3.8% respectively, with the latter ending the week at USD 10.10. Meanwhile, natgas producers Regal Petroleum (RPT) and JKC Oil&Gas (JKX) surged by 11% and 14% respectively, with the former finishing at GBp 59.00 per share. In Warsaw trading, Kernel (KER) slipped 0.7% to PLN 49.40 per share.

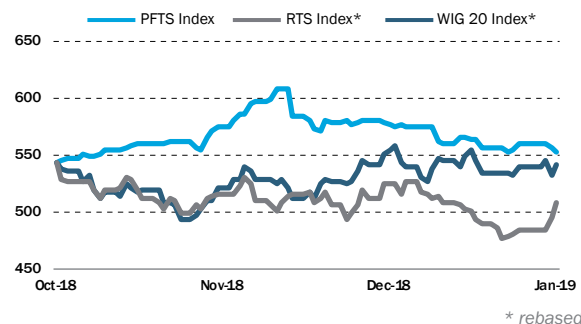
On the interbank currency market, the hryvnia opened the year notably lower against the dollar amid the official start of the presidential campaign, giving up 1.2% to finish at 27.80 UAH/USD.

## Highlights

### POLITICS AND ECONOMICS

- > Ukraine Loses Important Ally With Mattis Departure
- > Privatization Brought in Only 1% of Planned Revenue in 2018

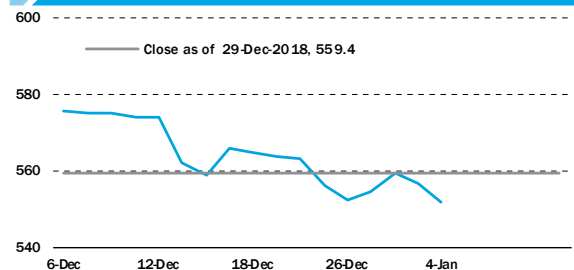
### STOCK MARKET PERFORMANCE



### MARKET INDEXES

	Last	1W ch	1M ch	YTD
PFTS	552.3	-1.3%	-4.2%	-1.3%
RTS	1118.0	4.9%	-3.3%	4.9%
WIG20	2285.0	0.4%	-2.6%	0.4%
MSCI EM	965.0	0.2%	-4.9%	0.2%
S&P 500	2531.9	1.9%	-6.2%	1.9%

### PFTS 1M PERFORMANCE



### FIXED INCOME

	Last	1W ch	1M ch	YTD
EMBI+Global	422	-2.1%	0.4%	-2.1%
NBU Key Rate	18.0%	0.0 p.p.	0.0 p.p.	0.0 p.p.
Ukraine-19	9.2%	-1.2 p.p.	-0.9 p.p.	0.4 p.p.
Ukraine-27	10.6%	0.2 p.p.	0.3 p.p.	0.2 p.p.
DTEK-24	11.6%	0.0 p.p.	0.0 p.p.	0.0 p.p.
UZ Rail-21	12.1%	0.1 p.p.	0.3 p.p.	0.1 p.p.

### CURRENCY

	Last, UAH	1W ch	1M ch	YTD
USD	27.79	0.3%	-0.9%	0.3%
EUR	31.68	-0.1%	-0.4%	-0.1%
RUB	0.41	3.9%	-1.5%	3.9%

### COMMODITIES

	Last	1W ch	1M ch	YTD
Wheat, USD/t*	221.0	0.0%	1.4%	0.0%
Steel, USD/t	410.0	0.0%	-5.2%	0.0%
Oil, USD/bbl	57.1	7.2%	-8.3%	7.2%
Gold, USD/oz	1285.2	0.3%	3.8%	0.3%

\*Ukraine FOB

Source: Bloomberg, Ukrainian Exchange

## Ukraine Loses Important Ally With Mattis Departure

by Will Ritter  
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### NEWS

US Secretary of Defense James Mattis was forced by US President Trump to leave his post ahead of schedule on Jan 1 after he wrote a letter of resignation criticizing Trump's approach to foreign affairs. Mattis had previously planned to stay on until the end of February in order to attend a key NATO defense ministers' meeting. The move that prompted Mattis's resignation was reportedly Trump's sudden decision to withdraw all US forces from the Syrian conflict, thus ceding control of the security situation in that country to Russia and Turkey. The US Defense Department is currently being headed by former defense industry executive Patrick Shanahan until a replacement is appointed and confirmed.

### COMMENTARY

Trump had longed viewed Mattis, who is far more popular with the US security & foreign policy establishment than the president himself, as a rival, and his departure had been rumored for several months. Mattis was a strong advocate of supporting Ukraine against Russian aggression, and he visited Kyiv to attend Ukraine's military parade and meet with President Poroshenko on Independence Day in August of this year; the news of his ouster was widely celebrated in the Russian media. Indeed, Mattis was viewed as an important check against Trump's irresponsibility in foreign policy and his tendency to attack traditional US allies while flattering and appeasing foreign dictators. We think that Trump will try to leave the acting secretary of defense in place for as long as possible, as he sees a weakened US defense & security establishment as benefiting his own interests. This situation is significant for Ukraine because Trump can surely not be counted on to come to Ukraine's aid in case of a security crisis, making Kyiv dependent on support from other key members of the US administration, with Mattis up to now having been the strongest link. Trump previously complained that Mattis is "sort of a Democrat", and we would not be at all surprised to see Mattis returning to head the Pentagon again under a hypothetical Democratic administration two years from now.

## Privatization Brought in Only 1% of Planned Revenue in 2018

by Dmitry Churin  
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### NEWS

The Ukrainian government executed its privatization plan at 1.4% of expected revenue in 2018, according to a statement from the Finance Ministry published on Jan 3. The Ministry said that privatization proceeds brought in some UAH 300mn (USD 11mn), compared to the budgeted figure (at the start of 2018) of UAH 22.5bn. MinFin said it had covered the revenue shortfall by issuing additional domestic bonds. The government's total borrowings in 2018 amounted to UAH 277bn, including UAH 103bn (USD 3.8bn) of external borrowings, which was 29% above the planned target. According to preliminary estimates, Ukraine's national budget deficit for the year amounted to UAH 168bn (USD 6.2bn), which is equivalent of 5.0% of GDP, i.e. far above the targeted figure of 2.5%. One of the primary reasons for the higher-than-expected budget deficit was additional transfers of money to the State Pension Fund.

### COMMENTARY

The tiny proceeds from privatization in 2018 were the result of a failure to sell any large state-owned enterprises, which cannot be viewed as surprising in the current climate of major political uncertainty heading into Ukraine's election year. The most notable failed privatization was the cancelled auction for a 78% stake in electricity generation company CentrEnergO, which was scheduled in December with the starting price of UAH 6.0bn (USD 214mn). The new support program between Ukraine and the IMF contains a specific call for the government to sell CentrEnergO in the first half of 2019. Other enterprises on this "urgent" privatization list are state coal mine KrasnoLimanska, pharmaceutical producer Indar, and the President Hotel in Kyiv. The IMF also demanded a reduction of the list of Ukrainian companies prohibited from privatization. Importantly, Ukraine has significantly improved its legal framework for privatization, in particular by adopting the necessary secondary legislation last June, which has enabled the launch of sales of small companies and assets through an electronic platform - ProZorro. Sale. In the absence of successful large-scale privatizations, starting the sale of smaller state assets - in particular government-owned real estate - is an important signal for investors of the intention of the state to reduce its influence over the economy and to attract additional investment.

The final 5.0% budget deficit figure for 2018 is clearly a serious matter of concern, although it is hardly surprising. The government managed to hide the problem for most of the year by postponing the disclosure of some transfers to the Pension Fund, which is an enormous multi-billion dollar burden for the state, until the end of the year. The new IMF program has a target to keep the deficit at 2.25% of GDP in 2019. Unfortunately we have to say that we view this goal as not realistic or serious, given the 2018 final budget result and especially taking into account the election cycle this year. On the positive side, Ukraine is an open society where elections are held freely and largely in line with international standards. New members of the Central Electoral Commission have been appointed after some of the mandates lapsed in 2014 and 2017, and the initial round of presidential voting is set for Mar 31.

## EAVEX RECOMMENDATIONS

Name	Ticker	Price, per share	Target price, per share	Upside, %	Rating	Commentary
<b>Agriculture</b>						
Kernel	KER PW	49.5	82.0	66%	BUY	With on-demand borrowing access, Kernel is well placed to further consolidate its position in the oilseed crushing industry. The company reported that its sunflower oil sales in bulk rose by 29.4% YoY to some 508,000 tonnes in July-December 2017. The company aims to achieve EBITDA of USD 500mn by 2021.
MHP	MHPC LI	10.1	16.5	63%	BUY	MHP could start process of deleveraging which in turn would boost the company's MCap. Also the company has a declared strategy to expand its presence on the MENA and EU markets. MHP continued to increase its export sales. MHP also reported that its poultry exports rose 16% YoY to near 221,000 tonnes in 2017, accounting for 41% of total sales volume, up from a share of 36% a year before.
Astarta	AST PW	23.5	70.0	198%	BUY	Astarta is focused on business diversification and cost optimization via improving its energy and operational efficiency. We expect the company to increase sales by 12% in FY18.
Agroton	AGT PW	3.95	12.0	204%	BUY	Agroton unveiled a strategy to increase its land bank from 122,000 ha to 200,000 ha by mid-2019 securing additional lease rights and by acquiring companies that control land plots in Luhansk and Kharkiv region.
IMC	IMC PW	13.0	13.0	0%	HOLD	IMC's land bank is targeted to expand by 50% over 2015-20. A high standard of corporate governance makes the stock an attractive play in spite of its low liquidity.
AvangardCo	AVGR LI	0.3	0.3	7%	SELL	AvangardCo's revenue fell by 33% YoY in FY17 despite an increase in egg sales volume by 23% YoY. We attribute this negative development to weak results in the value-added egg powder segment. AvangardCo said that its egg product sales volume had plunged by 64% YoY to some 3300 tonnes, with the average pricing dropping by 23% YoY to USD 4.30/kg.
Ovostar Union	OVO PW	109.0	110.0	1%	HOLD	The company has a strong focus on domestic branded egg sales and successfully expands its export sales to mitigate negative effect from devaluation. Ovostar is in the midst of a long-term expansion that will ultimately see egg output triple over 2012-18E.
<b>Iron Ore</b>						
Ferrexpo	FXPO LN	198	230	16%	BUY	Iron ore market has seen a major shift over the past two years as China's anti-pollution drive spurs demand for cleaner ore, exploding the spreads between top-quality material and lower-grade cargoes, which benefits Ferrexpo as top-quality pellets producer.
<b>Specialized Machinery</b>						
Motor Sich	MSICH	5390	6750	25%	BUY	Motor Sich is closing in on a solid contract with Chinese company Avicopter (AVIC) to supply helicopter engines for a Russian-Chinese project. Our base case scenario forecast for Motor Sich's net profit for FY18 is UAH 2.6bn, implying EPS of UAH 1,270.
<b>Oil &amp; Gas</b>						
UkrNafta	UNAF	129	270	109%	BUY	UkrNafta's fundamental value should see an immediate jump after the company reaches a deal with the government on restructuring its huge UAH 12bn tax debt. We believe that with the state owning a 50% stake in UkrNafta, the resolution of the tax debt issue is only a matter of time.
Concern Galnaftogaz	GLNG	0.27	0.33	22%	BUY	Galnaftogaz is pursuing a plan to aggressively expand its filling station network.
Regal Petroleum	RPT LN	55.0	30.0	-45%	BUY	The RPT stock has been enjoying aggressive buying from an unidentified investor since the start of the year. From the chart point of view, the stock hit a local maximum of GBP 31, and we believe that this peak is likely to be repeated sometime before the end of 2018.
JKX Oil & Gas	JKX LN	41.0	33.0	-20%	HOLD	The company's balance sheet looks healthy after it successfully restructured its Eurobonds. An overall demand for natural gas in Ukraine remains strong.
<b>Power Utilities</b>						
DonbasEnergO	DOEN	23.2	9.0	-61%	SELL	The Donetsk separatist government has nationalized DonbasEnergO's Starobeshevo power plant, which previously accounted for about 70% of the company's installed power-generating capacity.
CenterEnergO	CEEN	14.00	25.60	83%	BUY	CentrEnergO posted net profit of UAH 5.12 per share in FY17, and the company decided to distribute 75% of this profit in shareholder dividends. CentrEnergO's privatization has repeatedly been postponed, but the company retains a strong fundamental value due to its large installed electricity generation capacity.
<b>Banks</b>						
Raiffeisen Bank Aval	BAVL	0.340	0.47	38%	BUY	We forecast that Raiffeisen Aval will raise its net profit by 7.3% YoY to UAH 4.80bn in FY18, implying EPS of 7.81 kopecks. We also believe the bank will continue its practice of large dividend payouts, with the FY18 dividend possibly around 7.50 kopecks per share. Raiffeisen Aval, about 70% of which is held by Raiffeisen International, has been the most dividend-rich stock in the Ukrainian equity universe since 2016. The stock's dividend yield last year was 20% and this year it was around 22%. Raiffeisen Aval posted a net profit of UAH 4.47bn for full-year 2017 (USD 170mn at the average UAH/USD rate for the period), compared to UAH 3.82bn for full-year 2016 and a net loss of UAH 1.44bn in FY15.

Source: Eavex Research

PRICES AND QUOTES												
Name	Ticker	Today, UAH*	52 high, UAH*	52 low, UAH*	1W	Absolute performance			Performance relative to the UX index			
						1M	3M	YtD	1W	1M	3M	YtD
PFTS Index	UX	552.27	608.78	315.53	-1.3%	-4.2%	0.9%	-1.3%	--	--	--	--
<b>Iron Ore Mining</b>												
Ferrexpo	FXPO	200.90	316.10	143.50	4.2%	12.2%	-7.5%	3.2%	5.5%	16.4%	-8.4%	4.5%
<b>Railcar Manufacturing</b>												
Kryukiv Wagon	KVBZ	10.10	12.20	10.00	0.0%	-15.1%	-1.0%	0.0%	1.3%	-11.0%	-1.9%	1.3%
<b>Specialized Machinery</b>												
Motor Sich	MSICH	5390	n/a	n/a								
Turboatom	TATM	13.00	14.15	12.95	-5.1%	-4.1%	-6.5%	-5.1%	-3.8%	0.1%	-7.4%	-3.8%
<b>Telecom</b>												
Ukrtelecom	UTLM	0.13	0.143	0.127	0.0%	-11.2%	-5.9%	0.0%	1.3%	-7.0%	-6.8%	1.3%
<b>Oil &amp; Gas</b>												
Regal Petroleum	RPT	59.00	63.00	7.65	3.1%	34.1%	44.3%	-6.3%	4.3%	38.3%	43.4%	-5.1%
JKX Oil	JKX	40.50	47.00	11.00	11.0%	24.2%	-2.2%	2.5%	12.2%	28.4%	-3.1%	3.8%
Ukrnafta	UNAF	129.0	140.00	98.00	-7.9%	3.1%	17.3%	-7.9%	-6.6%	7.3%	16.4%	-6.6%
<b>Power Utilities</b>												
Centrenergo	CEEN	14.10	23.70	12.74	-1.4%	-19.0%	-11.0%	-1.4%	-0.1%	-14.8%	-11.9%	-0.1%
Donbasenergo	DOEN	30.85	38.00	21.10	-3.3%	-1.1%	11.4%	-3.3%	-2.0%	3.0%	10.5%	-2.0%
<b>Consumer</b>												
Agroton	AGT	3.99	6.06	2.83	14.7%	14.0%	9.6%	14.7%	15.9%	18.2%	8.7%	15.9%
Astarta	AST	23.40	57.60	23.00	1.7%	-14.3%	-22.0%	1.7%	3.0%	-10.1%	-22.9%	3.0%
Avangardo	AVGR	0.28	0.39	0.27	0.0%	0.0%	-12.5%	0.0%	1.3%	4.2%	-13.4%	1.3%
Industrial Milk Company	IMC	13.00	14.80	11.05	-1.1%	4.0%	4.8%	-1.1%	0.1%	8.2%	4.0%	0.1%
Kernel	KER	49.00	55.50	45.60	0.1%	-8.4%	-5.0%	0.1%	1.4%	-4.2%	-5.9%	1.4%
MHPC	MHPC	10.15	15.45	9.80	-1.9%	-6.0%	-17.5%	-1.9%	-0.7%	-1.8%	-18.4%	-0.7%
Milkiland	MLK	0.25	1.62	0.21	19.0%	13.6%	-69.9%	19.0%	20.3%	17.8%	-70.8%	20.3%
Ovostar Union	OVO	109.00	114.00	92.00	-3.5%	-3.5%	4.8%	-3.5%	-2.3%	0.6%	3.9%	-2.3%
<b>Banks</b>												
Raiffeisen Bank Aval	BAVL	0.342	0.36	0.26	-2.2%	-2.6%	4.2%	-2.2%	-1.0%	1.6%	3.3%	-1.0%

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		
		2016	2017	2018E	2016	2017	2018E	2016	2017	2018E	2016	2017	2018E	2016	2017	2018E
<b>Iron Ore Mining</b>																
Ferrexpo	FXPO	986	1,197	1,257	375	551	579	38.0%	46.0%	46.0%	189	394	414	19.2%	32.9%	32.9%
<b>Railcar Manufacturing</b>																
Kryukiv Wagon	KVBZ	84	141	80	-1	14	9	-1.0%	9.9%	10.7%	-4	12	4	-5.2%	8.6%	5.0%
<b>Specialized Machinery</b>																
Turboatom	TATM	85	87	93	49	37	40	57.1%	42.6%	43.1%	42	26	28	49.2%	29.9%	29.9%
Motor Sich	MSICH	414	436	388	166	156	88	40.1%	35.8%	22.7%	77	117	51	18.6%	26.7%	13.3%
<b>Oil &amp; Gas</b>																
Ukrnafta	UNAF	885	1,011	1,326	116	65	333	13.1%	6.5%	25.1%	-343	17	191	-38.7%	1.7%	14.4%
Regal Petroleum	RPT	26	35	60	12	17	59	44.9%	49.8%	98.3%	0	2	42	na	6.5%	70.0%
JKX Oil	JKX	80	82	88	29	18	29	36.3%	22.0%	33.0%	-20	-12	1	-25.0%	-14.6%	1.1%
<b>Electric Utilities</b>																
Centrenergo	CEEN	419	412	532	46	104	40	11.1%	25.2%	7.6%	15	71	27	3.6%	17.3%	5.0%
Donbasenergo	DOEN	157	147	222	7	8	23	4.4%	5.8%	10.2%	-2	2	13	-1.1%	1.4%	5.7%
<b>Consumer</b>																
MHP	MHPC	1,135	1,289	1,456	415	549	550	36.6%	42.6%	37.8%	59	230	327	5.2%	17.8%	22.5%
Kernel	KER	1,989	2,169	2,403	346	319	223	17.4%	14.7%	9.3%	225	176	52	11.3%	8.1%	2.2%
Astarta	AST	402	514	452	167	134	162	41.6%	26.1%	35.9%	90	69	75	22.4%	13.5%	16.7%
Avangardco	AVGR	191	130	127	1	12	15	0.4%	9.1%	11.8%	-57	-8	-5	-29.6%	-5.8%	-3.9%
Ovostar	OVO	84	80	87	40	15	20	47.7%	19.2%	23.4%	35	10	14	41.8%	12.5%	16.1%
<b>Banks</b>																
		Total Assets			Total Equity			Total Income			Net Profit			Return on Equity		
Raiffeisen Bank Aval	BAVL	2,113	2,455	2,482	381	404	408	192	234	236	150	169	236	39.4%	41.8%	58.0%

Source: Eavex Research

**MAIN TRADING MULTIPLES**

Name	Ticker	MCap USD mn	Free Float % USD mn	EV USD mn	P/E			EV/EBITDA			EV/Sales				
					2016	2017	2018E	2016	2017	2018E	2016	2017	2018E		
<b>Iron Ore Mining</b>															
Ferrexpo	FXPO	1,510	24.0%	363	1,913	8.0	3.8	3.7	5.1	3.5	3.3	1.9	1.6	1.5	
<b>Railcar Manufacturing</b>															
Krukiv Wagon	KVBZ	42	5.0%	2	12	neg	3.5	10.6	neg	0.8	1.4	0.1	0.1	0.1	
<b>Specialized Machinery</b>															
Turboatom	TATM	201	3.8%	8	192	4.8	7.7	7.2	4.0	5.2	4.8	2.3	2.2	2.1	
Motor Sich	MSICH	409	24.0%	98	387	5.3	3.5	7.9	2.3	2.5	4.4	0.9	0.9	1.0	
<b>Oil &amp; Gas</b>															
Ukrnafta	UNAF	255	3.0%	8	248	neg	15.3	1.3	2.1	3.8	0.7	0.3	0.2	0.2	
Regal Petroleum	RPT	242	21.6%	52	202	n/a	>30	5.8	17.5	11.6	3.4	7.9	5.8	3.4	
JKX Oil & Gas	JKX	89	50.4%	45	197	neg	neg	>30	6.8	11.0	6.8	2.5	2.4	2.2	
<b>Electric Utilities</b>															
CentrEnerg	CEEN	190	21.7%	41	159	12.5	2.7	7.2	3.4	1.5	4.0	0.4	0.4	0.3	
DonbasEnerg	DOEN	27	14.2%	4	32	neg	12.6	2.1	4.6	3.8	1.4	0.2	0.2	0.1	
<b>Consumer</b>															
MHP	MHPC	1,073	34.1%	366	2,253	18.1	4.7	3.3	5.4	4.1	4.1	2.0	1.7	1.5	
Kernel	KER	1,039	61.8%	642	1,039	4.6	5.9	20.0	3.0	3.3	4.7	0.5	0.5	0.4	
Astarta	AST	156	37.0%	58	382	1.7	2.3	2.1	2.3	2.8	2.4	0.9	0.7	0.8	
Avangardco	AVGR	18	22.5%	4	349	neg	neg	neg	>30	29.6	23.3	1.8	2.7	2.8	
Ovostar	OVO	174	25.0%	44	176	4.9	17.4	12.4	4.4	11.5	8.7	2.1	2.2	2.0	
<b>Banks</b>															
							P/E			P/Book			P/Assets		
Raiffeisen Bank Aval	BAVL	768	1.8%	14		5.1	4.6	4.4	2.0	1.9	1.9	0.36	0.31	0.31	

Source: Eavex Research

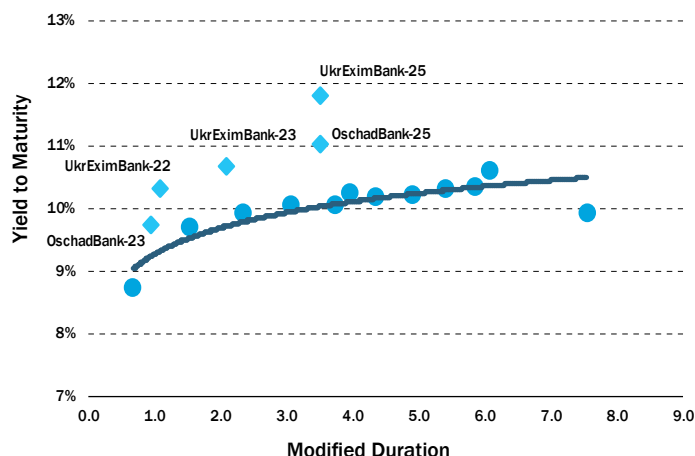
UKRAINIAN EUROBONDS

Issue	Price (Bid)	Price (Ask)	YTM (Bid)	YTM (Ask)	Price chg. (YTD)	Modified Duration	Coupon	Coupon Period	Maturity Date	Volume USD mn	Ratings <sup>1</sup>
<b>Sovereign Eurobonds</b>											
Ukraine, 2019	98.9	99.9	9.5%	8.0%	-5.6%	0.6	7.75%	S/A	1 Sept 2019	661	Caa1/B-/B-
Ukraine, 2020	96.4	97.2	10.1%	9.6%	-8.9%	1.5	7.75%	S/A	1 Sept 2020	1,365	Caa1/B-/B-
Ukraine, 2021	93.9	94.9	10.4%	10.0%	-11.6%	2.3	7.75%	S/A	1 Sept 2021	1,409	Caa1/B-/B-
Ukraine, 2022	91.6	92.6	10.6%	10.2%	-13.6%	3.0	7.75%	S/A	1 Sept 2022	1,384	Caa1/B-/B-
Ukraine, 2023	89.6	90.6	10.6%	10.3%	-15.4%	3.7	7.75%	S/A	1 Sept 2023	1,355	Caa1/B-/B-
Ukraine, 2024	88.0	89.0	10.6%	10.4%	-16.1%	4.3	7.75%	S/A	1 Sept 2024	1,339	Caa1/B-/B-
Ukraine, 2024-2	93.3	94.3	10.7%	10.5%	-6.2%	3.9	8.99%	S/A	1 Feb 2024	750	/B-/B-
Ukraine, 2025	86.5	87.5	10.6%	10.4%	-16.7%	4.8	7.75%	S/A	1 Sept 2025	1,329	Caa1/B-/B-
Ukraine, 2026	84.9	85.9	10.7%	10.5%	-17.4%	5.3	7.75%	S/A	1 Sept 2026	1,318	Caa1/B-/B-
Ukraine, 2027	84.3	85.3	10.6%	10.4%	-18.1%	5.8	7.75%	S/A	1 Sept 2027	1,307	Caa1/B-/B-
Ukraine, 2028	92.9	94.0	10.9%	10.7%	-6.6%	6.0	9.75%	S/A	1 Nov 2018	1,250	Caa1/B-/B-
Ukraine, 2032	79.5	80.5	10.2%	10.0%	-18.7%	7.5	7.375%	S/A	25 Sept 2032	3,000	Caa1//B-
Ukraine, GDP-linked (VRI)	57.6	58.6	n/a	n/a	5.4%	n/a	0.00%	S/A	31 May 2040	3,214	/B-/
<b>Corporate Eurobonds</b>											
Agroton, 2019	16.0	20.6	1068%	773%	10.6%	0.1	6.00%	S/A	14 Jul 2019	8	//
Kernel, 2022	95.7	96.7	10.4%	10.0%	-12.9%	2.5	8.75%	S/A	31 Jan 2022	500	/B/B+
MHP, 2020	102.0	103.1	6.6%	5.7%	-5.8%	1.2	8.25%	S/A	2 Apr 2020	79	B3/B/B
MHP, 2024	94.8	95.3	9.0%	8.9%	-12.6%	4.2	7.75%	S/A	10 May 2024	500	B3/B/B
MHP, 2026	85.9	86.9	9.7%	9.5%	-13.6%	5.3	6.95%	S/A	4 Apr 2026	550	B3/B/B
Avangardco, 2018	20.3	23.0	n/a	n/a	n/a	n/a	10.00%	S/A	29 Oct 2018	214	//
UkrLandFarming, 2018	15.1	16.5	n/a	n/a	n/a	n/a	10.88%	S/A	26 Mar 2018	543	//
Mriya, 2016	8.0	12.0	n/a	n/a	n/a	n/a	10.95%	S/A	30 Mar 2016	72	IN DEFAULT
Mriya, 2018	8.0	12.0	n/a	n/a	n/a	n/a	9.45%	S/A	19 Apr 2018	400	IN DEFAULT
DTEK, 2024	96.2	97.2	11.6%	11.4%	-10.1%	4.4	10.75%	S/A	31 Dec 2024	1,344	//
Metinvest, 2021	100.0	102.0	7.4%	6.7%	-3.9%	n/a	9.37%	S/A	31 Dec 2021	117	B3//B
Metinvest, 2023	90.7	91.7	10.5%	10.2%	-7.9%	3.4	7.75%	S/A	23 Apr 2023	945	B3//B
Metinvest, 2026	89.7	90.6	10.6%	10.4%	-8.6%	5.1	8.50%	S/A	23 Apr 2026	648	B3//B
Ferrexpo, 2019	100.2	101.3	9.3%	5.5%	-3.9%	0.3	10.375%	S/A	07 Apr 2019	93	B3/CCC/CC
Ferrexpo, 2019	100.4	101.2	8.9%	6.0%	-4.0%	0.3	10.375%	S/A	07 Apr 2019	80	B3/CCC/CC
UZ Rail, 2021	97.4	98.5	11.0%	10.5%	-8.1%	0.9	9.88%	S/A	15 Sept 2021	500	/CCC+/CCC
Interepipe, 2017	28.5	33.7	n/a	n/a	9.8%	n/a	10.25%	S/A	2 Aug 2017	200	IN DEFAULT
JKX Oil&Gas, 2018	78.0	85.0	39.5%	30.3%	-1.8%	0.9	8.00%	S/A	19 Feb 2018	16	//
<b>Bank Eurobonds</b>											
PrivatBank, 2018-2	20.0	30.0	n/a	n/a	-25.4%	1.5	10.25%	S/A	23 Jan 2018	160	IN DEFAULT
PrivatBank, 2021	8.6	13.6	n/a	n/a	-28.2%	0.9	11.00%	S/A	09 Feb 2021	220	IN DEFAULT
PrivatBank, 2018	18.9	23.2	n/a	n/a	-47.8%	n/a	10.88%	S/A	28 Feb 2018	175	IN DEFAULT
UkrEximBank, 2022	97.8	98.6	10.4%	10.1%	-8.3%	1.0	9.625%	S/A	27 Apr 2022	750	Caa3//B-
UkrEximBank, 2023	92.1	95.5	12.4%	11.3%	-6.5%	3.5	7.51%	S/A	9 Feb 2023	125	Caa3//CCC
UkrEximBank, 2025	93.6	94.6	11.2%	11.0%	-13.2%	3.5	9.75%	S/A	22 Jan 2025	600	Caa3//B-
Oschadbank, 2023	98.4	99.3	9.8%	9.6%	-7.7%	0.9	8.25%	S/A	10 Mar 2023	700	Caa3//B-
Oschadbank, 2025	94.6	95.6	10.8%	10.6%	-11.8%	2.0	8.88%	S/A	20 Mar 2025	500	Caa3//B-
<b>Municipal Eurobonds</b>											
City of Kyiv, 2022	91.2	91.8	10.3%	10.1%	-8.5%	2.7	7.50%	S/A	15 Dec 2022	115	Caa2//B-

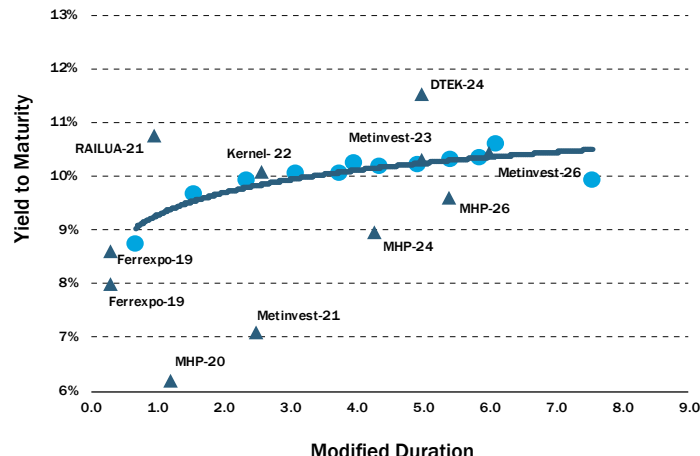
<sup>1</sup> Moody's/S&P/Fitch

Source: Bloomberg, Cbonds, Eavex Research

SOVEREIGNS vs. BANKING EUROBONDS



SOVEREIGNS vs. CORPORATE EUROBONDS





**UKRAINIAN DOMESTIC BONDS**

Issue	Price (Bid)	Price (Ask)	YTM (Bid)	YTM (Ask)	Modified Duration	Coupon	Coupon Period	Maturity Date	Volume UAH mn
<b>UAH denominated Bonds</b>									
UA80426			19.75%	18.00%	n/a	n/a	S/A	10 Apr 2019	n/a
UA4000196620			20.50%	18.50%	n/a	n/a	S/A	15 Jan 2020	n/a
UA4000200174			20.50%	18.50%	n/a	n/a	S/A	20 Jan 2021	n/a
<b>VAT Bonds</b>									
UA4000185151			21.00%	19.25%	n/a	9.50%	S/A	8 Jul 2019	3,577
UA4000185557			21.00%	19.25%	n/a	9.50%	S/A	22 Jul 2019	2,171
UA4000186159			21.00%	19.25%	n/a	9.50%	S/A	20 Aug 2019	955

Source: Bloomberg, Cbonds, Eavex Research

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