

## Stock Market Update

### Equity

Kyiv-listed stocks posted their largest one-week gains in more than three years last week amid speculation that cash from the state's reformed pension system could eventually find its way into the local equity market. Although the devaluation of the hryvnia by around 10% against EUR/USD since the start of December should be taken into consideration for UAH-denominated stock prices, the market growth has nonetheless substantially outpaced the deval. We assume that investor optimism is related to the prospect of a quick introduction of the so-called "second level" pension system that has already been approved by Parliament. This terminology refers to a contribution-based pension system in addition to Ukraine's longtime "solidarity" pension system. The budget of the State Pension Fund for 2018 was finalized at UAH 346bn (USD 12bn) with a whopping deficit of almost UAH 140bn (USD 4.9bn), which equivalent to around 4.3% of GDP. The huge pension fund deficit remains Ukraine's largest problem in public finance. For comparison, the total assets accumulated by nongovernmental pension funds at the third, i.e. voluntary, contribution pension system - were less than UAH 3.0bn (USD 110mn) as of end-2017. Ukraine has over 12mn retirees, which is close to 30% of the population.

The UX index surged by 10.8% to close at 1513 points in four trading sessions of growth after Monday's closure for the Orthodox Christmas holiday. CentrEnerg (CEEN) jumped by 17% to UAH 14.90, reaching our target price for the stock. The company reported that it has enough coal in storage to get through the current winter season. However, a major gain factor for the stock is the expectation of a possible large dividend from FY18 profit. CentrEnerg as a state-owned entity is obligated to have a dividend payout of 50% of its bottom line. Motor Sich (MSICH) was no less impressive, posting a 13% advance to UAH 4200 per share, and Raiffeisen Bank Aval (BAVL) jumped 7.4% to 30.90 kopecks.

London-listed MHP (MHPC) defended its recently-achieved 3-year high of USD 12.45, ending unchanged, while in Warsaw trading, Kernel (KER) failed to climb above the PLN 50.00 closing essentially flat at PLN 49.00.

The hryvnia lost an additional 1.2% against the dollar to close at 28.55 UAH/USD. The NBU reported that the country had USD 18.8bn in foreign currency reserves as of the end of 2017.

## Highlights

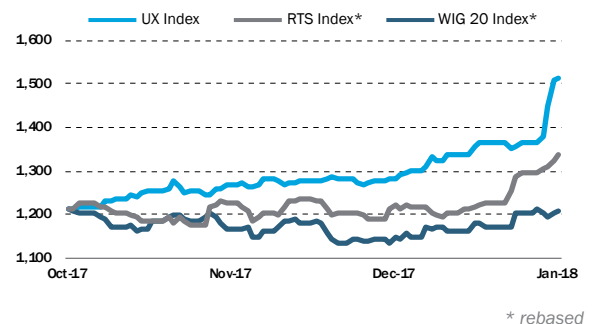
### POLITICS AND ECONOMICS

- > Report: Onyschenko Bought Frozen Yanukovich Assets from Kurchenko
- > Ukraine Full-Year 2017 Inflation Comes In at 14.4%

### STOCKS IN THE NEWS

- > Ferrexpo's FY17 Output Drops 7% YoY to 10.4mn

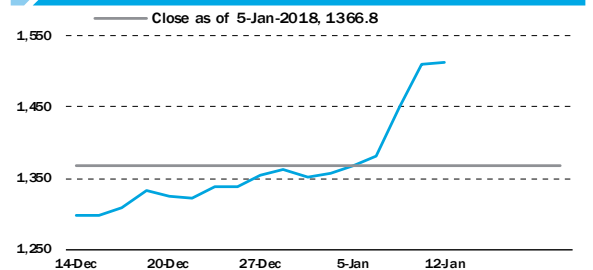
## STOCK MARKET PERFORMANCE



## MARKET INDEXES

	Last	1W ch	1M ch	YTD
UX	1513.9	10.8%	18.0%	11.1%
RTS	1261.1	3.4%	9.7%	9.2%
WIG20	2539.3	0.4%	5.2%	3.2%
MSCI EM	1208.2	0.6%	8.6%	4.3%
S&P 500	2786.2	1.6%	4.6%	4.2%

## UX 1M PERFORMANCE



## FIXED INCOME

	Last	1W ch	1M ch	YTD
EMBI+Global	300	-0.2%	-4.6%	-3.6%
NBU Key Rate	14.5%	0.0 p.p.	1.0 p.p.	0.0 p.p.
Ukraine-19	3.9%	-2.0 p.p.	-2.5 p.p.	-0.5 p.p.
Ukraine-27	6.8%	0.0 p.p.	-0.5 p.p.	-0.4 p.p.
MHP-20	4.0%	0.0 p.p.	-0.2 p.p.	-0.1 p.p.
UZ Rail-21	6.1%	-0.1 p.p.	-0.3 p.p.	-0.3 p.p.

## CURRENCY

	Last, UAH	1W ch	1M ch	YTD
USD	28.55	1.2%	5.1%	1.6%
EUR	34.84	2.4%	9.2%	3.4%
RUB	0.50	1.6%	9.9%	3.6%

## COMMODITIES

	Last	1W ch	1M ch	YTD
Wheat, USD/t*	179.5	0.0%	0.0%	0.0%
Steel, USD/t	520.0	0.0%	5.1%	0.0%
Oil, USD/bbl	69.9	3.3%	11.4%	4.5%
Gold, USD/oz	1338.0	1.4%	7.5%	2.7%

\*Ukraine FOB

Source: Bloomberg, Ukrainian Exchange

**Report: Onyschenko Bought Frozen Yanukovich Assets from Kurchenko**

by Will Ritter  
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**NEWS**

A report published on Jan 10 by the Qatar-based international news agency Al Jazeera said that a court in the Ukraine-controlled Donbass city of Kramatorsk ruled secretly last March to declare some USD 1.5bn in assets held in Cyprus as illegally obtained, clearing the way for them to be frozen. The report said the assets were owned indirectly by former President Victor Yanukovich. One of the asset vehicles, a Cyprus-registered company called “Quickpace Limited” holding USD 150mn in frozen assets, was allegedly sold by oligarch Serhiy Kurchenko to former Ukrainian MP Olexander Onyschenko and a Russian partner for USD 30mn. Both Kurchenko and Onyschenko are living abroad - in Moscow and London respectively - to avoid facing corruption charges in Ukraine. Onyschenko denied that he had gone through with the asset purchase, and said he is filing a USD 20mn suit against Al Jazeera for defamation.

**COMMENTARY**

We applaud Al Jazeera for bringing this story to the world’s attention, as neither Ukraine’s domestic media nor major Western media outlets have shown a strong appetite for looking deeply into Ukrainian corruption. Al Jazeera alleged that Kurchenko, long believed to be the main financial manager for Yanukovich, enjoys protection from Russian special forces and that he is holding regular meetings at top Russian state agencies and companies. The revelation of the secret court ruling (in Kramatorsk of all places) is embarrassing for the Ukrainian government, and it brings into question the validity of the legal case on which Kyiv is trying to recover the funds. Onyschenko is a particularly odious figure in Ukrainian energy sector corruption, who fled to the United Kingdom in the spring of 2016 after being fingered for stealing more than USD 100mn by using his control over Ukraine’s state-owned natural gas extraction company UkrGazVydobuvannya to purchase gas at rock-bottom state-regulated prices.

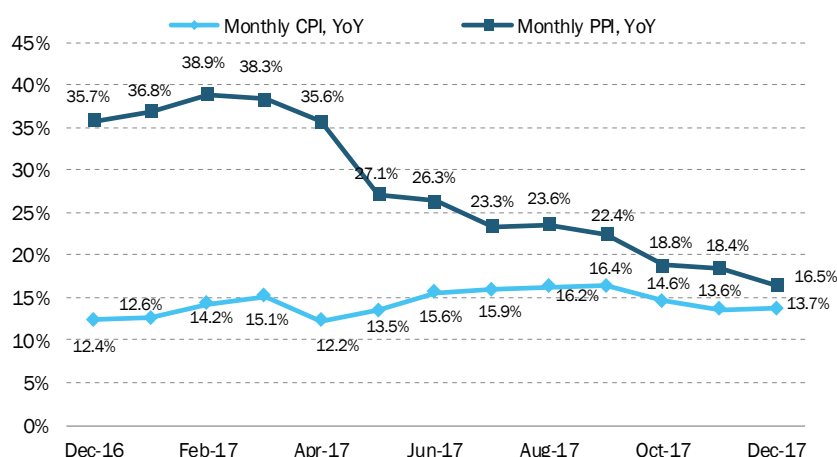
**Ukraine Full-Year 2017 Inflation Comes In at 14.4%**

by Dmitry Churin  
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**NEWS**

Full-year 2017 consumer inflation in Ukraine was reported at 14.4%, exceeding both the government's initial guidance of 9.1% as well as its amended forecast of 12.9%, according to official data from the State Statistics Committee (UkrStat) published on Jan 9. For December alone, the reported CPI rise was 1.0% MoM. On the producer prices side, UkrStat reported that the PPI increased by 26.4% for the full year, while for December alone, it rose 1.7% MoM.

**UKRAINE'S ROLLING 12-MONTH CPI & PPI INFLATION**



Source: State Statistics Committee

**COMMENTARY**

The 14.4% full-year inflation figure looks quite respectable given the challenges faced by Ukraine during the last 12 months. Still, the somewhat higher-than-hoped-for level of consumer inflation necessitated a hike in Ukraine's benchmark interest rate, with the key refinancing rate of the National Bank being raised two times in 4Q17 to 14.5%. The market-determined yield on the government's one-year UAH-denominated treasury bonds has also increased from 14.2% in September to 15.5% currently.

We expect the main refinancing rate to be left unchanged at the NBU's next policy meeting scheduled for Jan 25.

Among the major CPI components, food category prices rose by 13.4% YoY in 2017, utility services prices were up by 26.7% YoY, and healthcare prices grew by 6.2%.

In the Producer Price Index, the highest full-year 2017 price growth of 60.8% was registered in the oil refining sector. Large price jumps of 57.8% and 47.7% respectively were also observed in the iron ore and coal industries. All price changes are reported by UkrStat in UAH terms.

Currently the government sees CPI inflation at 9.0% for full-year 2018. We doubt that such an ambitious target can be met, and we are forecasting 12% inflation next year in the case of a basic scenario of overall macro stability.

## Ferrexpo's FY17 Output Drops 7% YoY to 10.4mn Tonnes

by Dmitry Churin  
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### FERREXPO (FXPO LN)

Price: GBp 307 Market Cap: USD 2,440mn

	P/B	EV/S	P/E	EV/EBITDA	Div. Yield
2016	5.2	3.2	12.9	8.5	2%
2017E	5.2	2.5	9.6	6.4	2%

### NEWS

Ferrexpo, Ukraine's largest iron ore pellet exporter, reported a decline in its full-year 2017 pellet output by 6.8% YoY to 10.4mn tonnes, according to the company's operational update dated Jan 9. However, for the fourth quarter, output was up by 12% QoQ to 2.8mn tonnes. The output of top-value-added 65 percent Fe pellets represented 95% of total production, similar to the 94% seen in 2016. The company also said that its average 2017 cash cost of production was approximately USD 33 per tonne, up from USD 29 per tonne in 2016, due to higher commodity prices impacting input costs, UAH-denominated inflation, and less economy of scale from lower overall output.

### FERREXPO PRODUCTION FIGURES

000' tonnes	4Q17	3Q17	Change QoQ	2017	2016	Change YoY
Total Pellets Produces	2,791.20	2,492.70	+12.0%	10,444.00	11,200.60	-6.8%
- 62% Fe pellets	144.20	156.60	-7.9%	558.70	665.60	-16.1%
- 65% Fe pellets	2,647.00	2,336.10	+13.3%	9,885.30	10,535.00	-6.2%

Source: Companies' data

### COMMENTARY

Ferrexpo said it was forced to cut production in 2017 by a notable 7% because of scheduled maintenance on its pelletizing machines, the key equipment used in the final steps to produce value-added iron ore pellets. Nevertheless, we assume that last year was still quite successful for Ferrexpo amid a sustained rise in the benchmark 62 percent Fe iron ore price on global markets. Importantly, Ferrexpo also enjoyed an increase in the so-called "pellet premium" of pellet pricing over iron ore fines, thanks to strong demand for high quality iron ore products on Asian markets. Ferrexpo did not provide its financial results in the trading update but mentioned that its net debt was approximately USD 400mn as of end-2017, which represents the company's lowest net debt level since 2011.

Ferrexpo is scheduled to report its FY17 financial results in mid-March.

The London-listed FXPO stock saw some appreciation after the trading update release, adding 3.6% last week to finish at GBp 307 per share. Eavex Capital currently does not have a recommendation for the FXPO stock.

## EAVEX RECOMMENDATIONS

Name	Ticker	Price, per share	Target price, per share	Upside, %	Rating	Commentary
<b>Agriculture</b>						
Kernel	KER PW	49.0	82.0	67%	BUY	With some 95% of its revenue linked to major foreign currencies, hryvnia devaluation is positive for Kernel, and recent changes in Ukraine's tax regime should also benefit the group. With on-demand borrowing access, Kernel is well placed to further consolidate its position in the oilseed crushing industry.
MHP	MHPC LI	12.5	14.0	12%	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, which accounted for 51% of total revenue in 9M16 compared to 45% a year ago.
Astarta	AST PW	54.4	70.0	29%	BUY	The new VAT regime for agro producers will be largely neutral for Astarta, in our view, while recovery of sugar prices bode well for the company's earnings. Astarta is focused on business diversification and cost optimization via improving its energy and operational efficiency.
Agroton	AGT PW	4.77	12.0	152%	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	12.4	13.0	5%	BUY	The recent changes in Ukraine's tax legislation are positive for IMC, which is focused growing exportable crops; some 95% of the company's revenue is tied to the dollar. 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	0.4	0.3	-14%	SELL	Ukraine's new VAT regime for agro producers is negative for Avangard, as its subsidy reimbursements will be reduced. Large room for cost optimization provides a theoretical upside to earnings, but the company's highly volatile financial results have rendered forecasting unreliable.
Ovostar Union	OVO PW	93.0	110.0	18%	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	309.8	--	--	BUY	An impressive reduction in the production and other operating cost led to higher profitability. A separate positive factor was an upward price trend for iron ore and steel on global markets.
<b>Specialized Machinery</b>						
Motor Sich	MSICH	4203	5250	25%	BUY	The reported profit for 1H17 represents UAH 1101 per share, which means the stock is still valued at P/E of barely more than 2.0x. Our base case scenario forecast for Motor Sich's net profit for FY17 is UAH 3.0bn, implying EPS of UAH 1440.
<b>Oil &amp; Gas</b>						
UkrNafta	UNAF	151	270	79%	BUY	UNAF stock has been in a local upward trend since December after Parliament cut the production tax for oil for 2017.
Concern Galnaftogaz	GLNG	0.15	0.24	60%	BUY	Galnaftogaz is pursuing a plan to aggressively expand its filling station network.
Regal Petroleum	RPT LN	12.8	15.0	18%	BUY	Taking into account that Regal acquired PEP's assets for an estimated value of USD 6.8/boe of 2P reserves, we assume that Regal's potential enterprise value could be as much as USD 92mn.
JKX Oil & Gas	JKX LN	15.0	--	--	U/R	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>						
DonbasEnerg	DOEN	19.2	9.0	-53%	SELL	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	14.90	15.00	1%	HOLD	CEEN stock reached out target price of UAH 15.00 on Jan 12. CentrEnerg's privatization has 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	0.309	0.27	-13%	HOLD	Raiffeisen Aval's 1H17 net profit was at a record high UAH 2.7bn (USD 100mn), implying earnings per share of 4.45 kopecks. We forecast that the bank will post a net profit of UAH 4.50bn in FY17 and will pay a 7.30 kopeck dividend next year.

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
UX Index	UX	1513.85	1556.86	818.47	10.8%	18.0%	24.2%	11.1%	0.0%	0.0%	0.0%	0.0%
<b>Iron Ore Mining</b>												
Ferrexpo	FXPO	307.00	323.20	125.00	3.6%	17.3%	6.2%	4.7%	-2.7%	-7.2%	-0.7%	-6.3%
<b>Railcar Manufacturing</b>												
Kryukiv Wagon	KVBZ	10.88	n/a	n/a	3.6%	9.9%	18.9%	3.7%	-7.1%	-8.1%	-5.3%	-7.3%
<b>Specialized Machinery</b>												
Motor Sich	MSICH	4203	4494	1903	13.0%	29.2%	42.8%	13.6%	2.2%	11.2%	18.6%	2.5%
Turboatom	TATM	12.95	13.21	9.60	0.0%	0.0%	12.1%	-1.6%	-10.8%	-18.0%	-12.1%	-12.7%
<b>Telecom</b>												
Ukrtelecom	UTLM	0.150	n/a	n/a	0.0%	8.2%	0.8%	0.7%	-10.8%	-9.8%	-23.4%	-10.4%
<b>Oil &amp; Gas</b>												
Regal Petroleum	RPT	12.75	14.25	2.75	-4.1%	72.9%	137.2%	82.0%	-6.5%	-14.9%	54.9%	70.9%
JKX Oil	JKX	14.70	33.50	11.00	25.1%	30.7%	17.6%	33.6%	2.2%	14.3%	12.6%	22.6%
Ukrnafta	UNAF	150.5	n/a	n/a	7.2%	6.4%	6.8%	6.7%	-3.6%	-11.6%	-17.4%	-4.3%
<b>Power Utilities</b>												
Centrenerg	CEEN	14.90	15.95	9.91	16.9%	27.9%	36.7%	17.6%	6.1%	9.9%	12.5%	6.5%
Donbasenerg	DOEN	19.22	n/a	n/a	4.8%	8.8%	10.8%	5.3%	-6.0%	-9.2%	-13.4%	-5.7%
<b>Consumer</b>												
Agroton	AGT	4.77	7.70	3.74	4.8%	6.0%	6.7%	4.1%	-1.7%	-5.9%	-12.0%	-6.9%
Astarta	AST	54.40	72.00	49.06	-0.4%	8.6%	3.1%	5.7%	-0.2%	-11.1%	-9.5%	-5.4%
Avangardo	AVGR	0.35	1.00	0.35	0.0%	-14.6%	-39.1%	-2.8%	-0.2%	-10.8%	-32.7%	-13.8%
Industrial Milk Company	IMC	12.40	12.60	8.40	-1.2%	1.2%	12.9%	-0.6%	-0.2%	-12.0%	-16.8%	-11.7%
Kernel	KER	49.00	80.00	45.51	-0.6%	-2.9%	1.9%	3.1%	-0.2%	-11.4%	-20.9%	-7.9%
MHPC	MHPC	12.45	12.75	8.76	0.8%	8.3%	11.2%	8.3%	-1.4%	-9.9%	-9.8%	-2.8%
Milkiland	MLK	1.62	2.80	1.43	1.9%	-2.4%	-1.2%	5.2%	1.0%	-8.9%	-20.4%	-5.9%
Ovostar Union	OVO	92.50	128.05	84.50	0.5%	-11.9%	-11.9%	5.1%	-0.2%	-10.2%	-29.9%	-6.0%
<b>Banks</b>												
Raiffeisen Bank Aval	BAVL	0.309	n/a	n/a	7.4%	7.7%	10.3%	5.4%	-3.4%	-10.3%	-13.9%	-5.7%

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	2017E	2018E	2016	2017E	2018E	2016	2017E	2018E	2016	2017E	2018E	2016	2017E	2018E
<b>Iron Ore Mining</b>																
Ferrexpo	FXPO	986	1,282	1,346	375	495	520	38.0%	38.6%	38.6%	189	255	268	19.2%	19.9%	19.9%
<b>Railcar Manufacturing</b>																
Kryukiv Wagon	KVBZ	67	55	60	1	6	7	0.9%	11.0%	12.4%	-4	2	3	-5.9%	3.3%	4.2%
<b>Specialized Machinery</b>																
Turboatom	TATM	98	99	102	33	35	35	34.0%	35.2%	34.6%	27	28	28	28.0%	27.8%	27.5%
Motor Sich	MSICH	414	426	464	166	153	138	40.1%	35.8%	29.8%	77	110	93	18.6%	25.9%	20.0%
<b>Oil &amp; Gas</b>																
Ukrnafta	UNAF	885	1,079	1,121	116	151	163	13.1%	14.0%	14.5%	-343	74	81	-38.7%	6.8%	7.3%
Regal Petroleum	RPT	25	27	32	10	15	19	40.4%	55.6%	59.4%	0	3	5	na	11.1%	15.6%
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	505	569	46	71	80	11.1%	14.1%	14.1%	15	53	58	3.6%	10.5%	10.2%
Donbasenergo	DOEN	157	147	116	7	8	8	4.4%	5.8%	6.5%	-2	1	1	-1.1%	1.0%	0.6%
<b>Consumer</b>																
MHP	MHPC	1,135	1,300	1,456	415	490	550	36.6%	37.7%	37.8%	59	300	327	5.2%	23.1%	22.5%
Kernel	KER	1,989	2,169	2,711	346	319	346	17.4%	14.7%	12.8%	225	176	238	11.3%	8.1%	8.8%
Astarta	AST	402	475	517	167	176	197	41.6%	37.0%	38.2%	90	104	112	22.4%	21.9%	21.7%
Avangardco	AVGR	191	115	127	1	5	15	0.4%	4.3%	11.8%	-57	-10	-5	-29.6%	-8.3%	-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	2,080	2,050	381	347	342	192	228	236	150	188	236	39.4%	54.1%	69.2%

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	2017E	2018E	2016	2017E	2018E	2016	2017E	2018E		
<b>Iron Ore Mining</b>															
Ferrexpo	FXPO	2,486	24.0%	597	3,236	13.1	9.7	9.3	8.6	6.5	6.2	3.3	2.5	2.4	
<b>Railcar Manufacturing</b>															
Krukiv Wagon	KVBZ	44	5.0%	2	39	neg	24.1	17.4	>30	6.5	5.3	0.6	0.7	0.7	
<b>Specialized Machinery</b>															
Turboatom	TATM	194	5.8%	11	108	7.1	7.0	6.9	3.2	3.1	3.1	1.1	1.1	1.1	
Motor Sich	MSICH	310	24.0%	74	272	4.0	2.8	3.3	1.6	1.8	2.0	0.7	0.6	0.6	
<b>Oil &amp; Gas</b>															
Ukrnafta	UNAF	289	3.0%	9	275	neg	3.9	3.6	2.4	1.8	1.7	0.3	0.3	0.2	
Regal Petroleum	RPT	56	21.6%	12	37	n/a	18.7	11.2	3.6	2.4	1.9	1.5	1.4	1.1	
JKX Oil & Gas	JKX	35	50.4%	17	143	neg	neg	>30	4.9	7.9	4.9	1.8	1.7	1.6	
<b>Electric Utilities</b>															
CentrEnergO	CEEN	195	21.7%	42	114	12.9	3.7	3.4	2.5	1.6	1.4	0.3	0.2	0.2	
DonbasEnergO	DOEN	16	14.2%	2	30	neg	11.0	22.2	4.4	3.6	4.0	0.2	0.2	0.3	
<b>Consumer</b>															
MHP	MHPC	1,316	34.1%	449	2,320	22.2	4.4	4.0	5.6	4.7	4.2	2.0	1.8	1.6	
Kernel	KER	1,145	61.8%	707	1,641	5.1	6.5	4.8	4.7	5.1	4.7	0.8	0.8	0.6	
Astarta	AST	399	37.0%	148	509	4.4	3.8	3.6	3.0	2.9	2.6	1.3	1.1	1.0	
Avangardco	AVGR	22	22.5%	5	354	neg	neg	neg	>30	>30	23.6	1.8	3.1	2.8	
Ovostar	OVO	163	25.0%	41	165	4.6	16.3	11.6	4.1	10.7	8.1	2.0	2.1	1.9	
<b>Banks</b>															
							P/E			P/Book			P/Assets		
Raiffeisen Bank Aval	BAVL	674	1.8%	12		4.5	3.6	3.9	1.8	1.9	2.0	0.32	0.32	0.33	

Source: Eavex Research



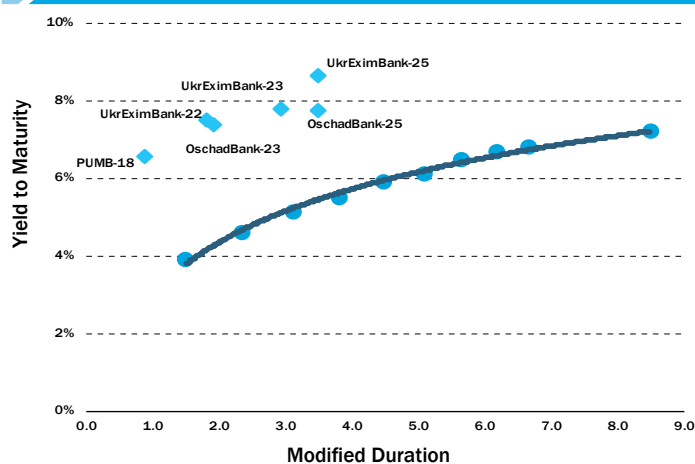
UKRAINIAN EUROBONDS

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	105.8	106.3	4.0%	3.7%	0.7%	1.5	7.75%	S/A	1 Sept 2019	1,744	Caa2/B-/B-
Ukraine, 2020	107.5	107.9	4.7%	4.5%	1.4%	2.3	7.75%	S/A	1 Sept 2020	1,780	Caa2/B-/B-
Ukraine, 2021	108.8	109.3	5.1%	4.9%	2.2%	3.1	7.75%	S/A	1 Sept 2021	1,409	Caa2/B-/B-
Ukraine, 2022	108.9	109.4	5.5%	5.4%	2.3%	3.8	7.75%	S/A	1 Sept 2022	1,384	Caa2/B-/B-
Ukraine, 2023	108.0	108.8	6.0%	5.9%	1.8%	4.5	7.75%	S/A	1 Sept 2023	1,355	Caa2/B-/B-
Ukraine, 2024	107.9	108.6	6.3%	6.1%	2.7%	5.1	7.75%	S/A	1 Sept 2024	1,339	Caa2/B-/B-
Ukraine, 2025	107.0	107.8	6.6%	6.4%	2.8%	5.6	7.75%	S/A	1 Sept 2025	1,329	Caa2/B-/B-
Ukraine, 2026	106.3	107.1	6.8%	6.7%	3.1%	6.2	7.75%	S/A	1 Sept 2026	1,318	Caa2/B-/B-
Ukraine, 2027	106.3	107.0	6.9%	6.7%	3.1%	6.6	7.75%	S/A	1 Sept 2027	1,307	Caa2/B-/B-
Ukraine, 2032	100.9	101.7	7.3%	7.2%	2.9%	8.5	7.375%	S/A	25 Sept 2032	3,000	//B-
Ukraine, GDP-linked (VRI)	59.9	60.6	n/a	n/a	9.3%	n/a	0.00%	S/A	31 May 2040	3,214	/B-/
<b>Corporate Eurobonds</b>											
Agroton, 2019	18.1	23.0	176%	145%	-2.1%	0.8	6.00%	S/A	14 Jul 2019	18	//
Kernel, 2022	110.4	110.8	5.8%	5.7%	-0.3%	3.3	8.75%	S/A	31 Jan 2022	500	/B/B+
MHP, 2020	108.7	109.1	4.1%	3.9%	0.1%	2.0	8.25%	S/A	2 Apr 2020	750	/B-/B-
MHP, 2024	108.3	109.1	6.1%	6.0%	0.6%	5.0	7.75%	S/A	10 May 2024	500	//
Avangardco, 2018	22.6	23.5	371%	356%	-4.5%	0.3	10.00%	S/A	29 Oct 2018	206	//
UkrLandFarming, 2018	22.4	22.6	1810%	1784%	8.1%	0.0	10.88%	S/A	26 Mar 2018	500	/CC/
Mriya, 2016	5.5	7.5	n/a	n/a	n/a	n/a	10.95%	S/A	30 Mar 2016	72	IN DEFAULT
Mriya, 2018	5.5	7.5	n/a	n/a	n/a	n/a	9.45%	S/A	19 Apr 2018	400	IN DEFAULT
DTEK, 2024	106.1	106.9	9.5%	9.3%	-0.8%	4.7	10.75%	S/A	31 Dec 2024	1,275	//
Metinvest, 2021	104.5	105.3	n/a	n/a	12.8%	n/a	9.37%	S/A	31 Dec 2021	1,197	//B
Ferrexpo, 2019	104.5	104.9	6.5%	6.2%	-0.2%	0.7	10.375%	S/A	07 Apr 2019	186	Caa3/CCC/CC
Ferrexpo, 2019	104.5	104.9	6.4%	6.1%	-0.3%	0.7	10.375%	S/A	07 Apr 2019	161	Caa3/CCC/CC
UZ Rail, 2021	106.7	107.3	7.7%	7.6%	0.4%	1.8	9.88%	S/A	15 Sept 2021	500	/CCC+/CCC
Interepipe, 2017	27.6	30.1	n/a	n/a	5.0%	n/a	10.25%	S/A	2 Aug 2017	200	IN DEFAULT
JXX Oil&Gas, 2018	85.0	95.0	23.6%	17.1%	5.9%	1.6	8.00%	S/A	19 Feb 2018	16	//
<b>Bank Eurobonds</b>											
Fin&Credit Bank, 2019	0.7	1.5	n/a	n/a	-0.2%	n/a	9.25%	S/A	25 Jan 2019	100	IN DEFAULT
PUMB, 2018	103.9	104.6	6.8%	6.0%	0.0%	0.9	11.00%	Q	31 Dec 2018	275	//
Nadra Bank, 2018	0.8	1.4	n/a	n/a	1.7%	n/a	6.25%	A	31 Jul 2018	60	IN DEFAULT
PrivatBank, 2018-2	32.0	35.0	n/a	n/a	0.0%	1.5	10.25%	S/A	23 Jan 2018	200	IN DEFAULT
PrivatBank, 2021	13.0	18.0	n/a	n/a	0.0%	1.4	11.00%	S/A	09 Feb 2021	220	IN DEFAULT
PrivatBank, 2018	40.3	42.0	n/a	n/a	2.0%	0.0	10.88%	S/A	28 Feb 2018	175	IN DEFAULT
UkrEximBank, 2022	107.7	108.2	7.5%	7.4%	0.8%	1.9	9.625%	S/A	27 Apr 2022	750	Caa3//B-
UkrEximBank, 2023	101.9	101.9	8.4%	8.4%	1.5%	3.5	7.51%	S/A	9 Feb 2023	125	Caa3//CCC
UkrEximBank, 2025	110.1	110.5	7.9%	7.8%	1.7%	3.5	9.75%	S/A	22 Jan 2025	600	Caa3//B-
VAB Bank, 2019	n/a	n/a	n/a	n/a	n/a	n/a	9.00%	Q	14 Jun 2019	88	IN DEFAULT
Oschadbank, 2023	107.5	108.0	7.6%	7.5%	0.5%	1.8	8.25%	S/A	10 Mar 2023	700	Caa3//B-
Oschadbank, 2025	109.7	110.2	7.8%	7.8%	2.0%	2.9	8.88%	S/A	20 Mar 2025	500	Caa3//B-
<b>Municipal Eurobonds</b>											
City of Kyiv, 2015	82.8	87.0	n/a	n/a	2.5%	n/a	8.00%	S/A	6 Nov 2015	101	IN DEFAULT

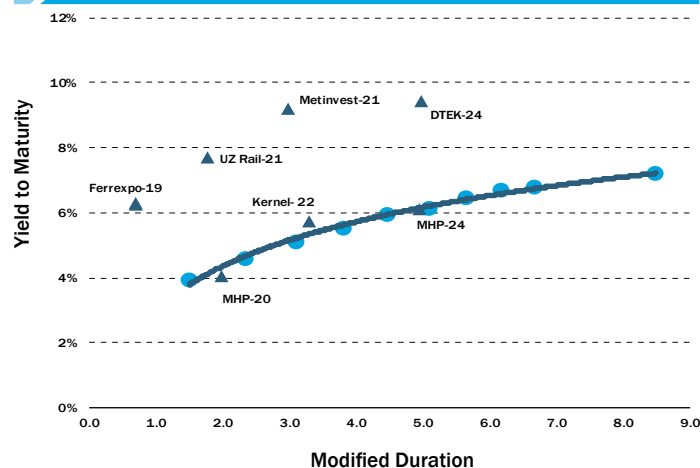
<sup>1</sup> Moody's/S&P/Fitch

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 UAH mn
<b>UAH denominated Bonds</b>									
UA4000194591			15.90%	15.15%	n/a	16.62%	S/A	11 Jul .2018	1,454
<b>VAT Bonds</b>									
UA4000185151			16.55%	15.30%	1.9	9.50%	S/A	8 Jul 2019	3,577
UA4000185557			16.55%	15.30%	1.9	9.50%	S/A	22 Jul 2019	2,171
UA4000186159			16.55%	15.30%	1.9	9.50%	S/A	20 Aug 2019	955

Source: Bloomberg, Cbonds, Eavex Research

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