

Stock Market Update

Equity

Locally-listed Ukrainian equities last week continued their encouraging January pattern of fluctuating in a wide upward corridor. The news flow regarding Ukraine was neutral, as the most buzz was coming from the World Economic Forum in Switzerland, where there is an annual elite mini-conference on Ukrainian affairs. In an interview with Bloomberg Television, President Poroshenko said he expects that Kyiv will receive a new loan disbursement from the IMF, as Ukraine "has met 80%" of its commitments. However, we remain rather skeptical that the IMF will disburse the delayed tranche of USD 1.9bn unless Poroshenko delivers on key anti-corruption measures.

The UX index edged up 0.7% over the week to close at 1437 points. UkrNafta (UNAF) was the most volatile stock over the week, slumping to as low as UAH 101 before recovering back to UAH 118, still a loss of 2.0%. In other Kyiv-listed blue-chips, CentrEnergO (CEEN) rose 3.9% to UAH 15.00 while Raiffeisen Bank Aval (BAVL) shed 0.3% to 29.00 kopecks.

In London trading, the big story was poultry giant MHP (MHPC), which surged 12.1% to USD 14.35 per share in several trading sessions of growth. We assume that the company finally fell onto radar of some large investment fund that started to aggressively accumulate a long position in the stock. Ferrexpo (FXPO) slid 3.1% to GBp 300, a move which we see as related to a valuation adjustment amid the recent sharp rise of the pound against the dollar. Warsaw-listed Kernel (KER) shot up 8.9% to PLN 53.00 after climbing above the technical resistance line of PLN 50.00.

The hryvnia found some strength after the National Bank raised its key policy rate from 14.5% to 16.0% at its board meeting on Jan 25. The hryvnia recovered 0.8% from its recent persistent decline to close at 28.54 UAH/USD.

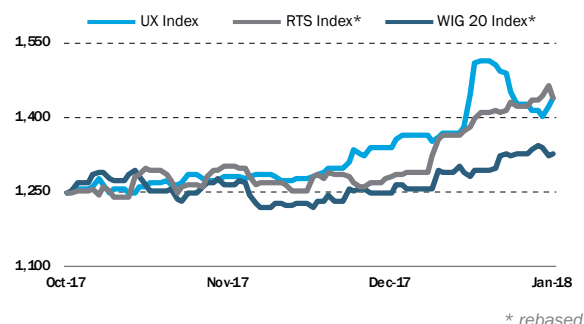
POLITICS AND ECONOMICS

- > Top US Publication Makes Unproven Claim on EuroMaidan Murders
- > Industrial Output Flat for FY17 after Donetsk, Lugansk Removed from Data

STOCKS IN THE NEWS

- > MHP's Poultry Export Volume Rose 16% YoY in FY17

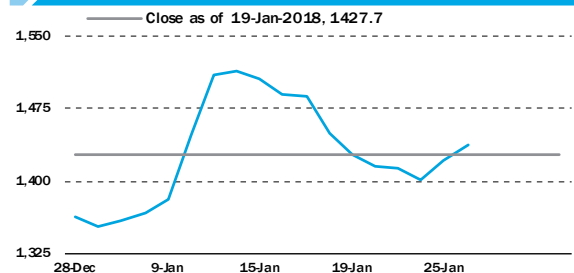
STOCK MARKET PERFORMANCE



MARKET INDEXES

	Last	1W ch	1M ch	YTD
UX	1437.8	0.7%	7.4%	5.5%
RTS	1286.7	1.2%	12.4%	11.5%
WIG20	2600.5	-0.1%	6.3%	5.7%
MSCI EM	1273.1	3.3%	11.8%	9.9%
S&P 500	2872.9	2.2%	7.2%	7.5%

UX 1M PERFORMANCE



FIXED INCOME

	Last	1W ch	1M ch	YTD
EMBI+Global	293	-1.5%	-5.0%	-5.8%
NBU Key Rate	16.0%	1.5 p.p.	1.5 p.p.	1.5 p.p.
Ukraine-19	4.0%	-2.0 p.p.	-2.4 p.p.	-0.5 p.p.
Ukraine-27	6.8%	-0.1 p.p.	-0.5 p.p.	-0.5 p.p.
MHP-20	3.9%	0.0 p.p.	-0.2 p.p.	-0.2 p.p.
UZ Rail-21	5.8%	-0.1 p.p.	-0.6 p.p.	-0.6 p.p.

CURRENCY

	Last, UAH	1W ch	1M ch	YTD
USD	28.54	-0.8%	2.2%	1.5%
EUR	35.41	0.4%	7.4%	5.1%
RUB	0.51	-0.5%	4.9%	4.1%

COMMODITIES

	Last	1W ch	1M ch	YTD
Wheat, USD/t*	184.5	0.0%	2.8%	2.8%
Steel, USD/t	505.0	-2.9%	-2.9%	-2.9%
Oil, USD/bbl	70.5	2.8%	6.1%	5.5%
Gold, USD/oz	1349.7	1.3%	5.2%	3.6%

*Ukraine FOB

Source: Bloomberg, Ukrainian Exchange

Top US Publication Makes Unproven Claim on EuroMaidan Murders

by Will Ritter
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NEWS

Prominent US newsmagazine The Atlantic published a long biopic last week on Paul Manafort, the US political consultant who helped former President Victor Yanukovich's rise to power. The article stated that Manafort had agents in Ukraine's government ministries, and that he enjoyed so-called "walk-in" privileges to enter the presidential offices at any time to discuss any subject. Former Foreign Ministry spokesman Oleg Voloshin is quoted as saying that then-Foreign Minister Constantine Gryschenko was using Manafort as an intermediary to communicate with Yanukovich. "'Yanukovych would listen to [Manafort]," Voloshyn said, "when our arguments were ignored." The article also states that Manafort "stuck with [Yanukovich] to the gruesome end... right up to the slaughter of more than 100 protesters by government forces on the Maidan [Kyiv's Independence Square]". Manafort went on to manage Donald Trump's successful campaign for the US presidency in 2016, but is now facing federal US charges for laundering the funds he earned in Ukraine. One of the major sources for the magazine's profile of Manafort were thousands of text messages stolen by hackers from the mobile phones of his family members and posted for public viewing on the Internet.

COMMENTARY

We find it rather discouraging that The Atlantic, one of the most respected publications in the United States, has taken the liberty to make a blanket statement of fact about a heinous crime for which no one has ever been tried or convicted. Almost four years later, there has still been no justice served for the victims of the EuroMaidan sniper murders (65 people died on 20 Feb 2014), which remain the subject of various conspiracy theories. While it is certainly possible and even highly likely that the snipers represented Ukrainian government forces, none of the killers has ever been firmly identified. In our view, it is extremely important for Ukraine's justice system to solve these murders and disprove lingering claims that some entity other than the Yanukovich government may have been responsible. The idea that we should simply accept an unproven narrative about such a high-profile crime on faith, leaves the West open to the charge that it is employing the same "fake news" tactics used by Russia in its information war against Europe and the US.

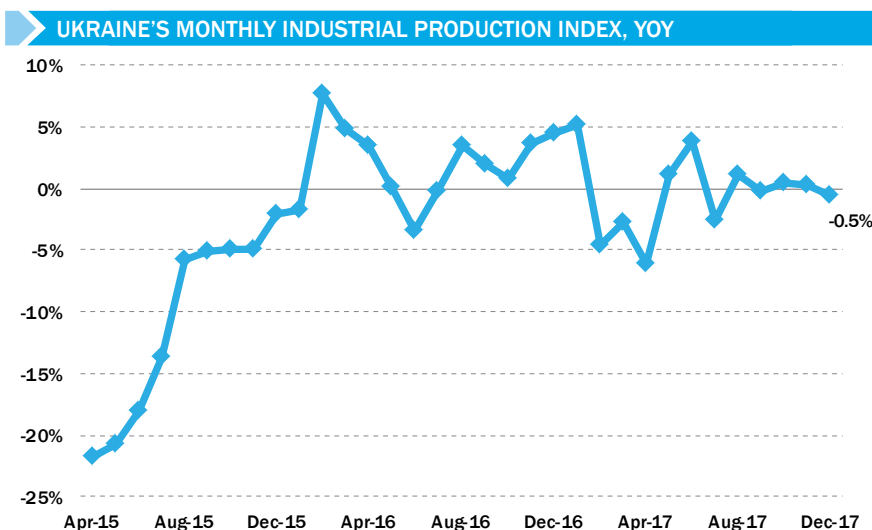
Industrial Output Flat for FY17 after Donetsk, Lugansk Removed from Data

by Dmitry Churin
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NEWS

The State Statistics Committee (UkrStat) reported on Jan 23 that Ukraine's industrial output (as measured by UkrStat's index) inched down by 0.1% YoY in full-year 2017. Previous years' performances were a rise 2.4% in 2016 and a drop of 13.0% YoY in 2015. The manufacturing sector had an increase of 4.0% YoY in 2017 while the utility sector saw an output drop by 6.5% YoY, and the extraction sector's output contracted by 5.8% YoY in the period.

In a separate report, UkrStat said that retail sales increased by 8.8% YoY in full-year 2017 after a 4.0% YoY rise in FY16 and a 19.8% YoY decline in FY15. Ukraine's overall agricultural output declined by 2.7% YoY in 2017 after an increase of 6.1% YoY in 2016 and a 4.8% YoY decline in 2015. In the construction sector, output grew by 20.9% YoY in 2017 after a rise by 13.1% YoY in 2016 and a contraction by 12.3% YoY in 2015.



Source: State Statistics Committee

COMMENTARY

The official FY17 figure for industrial production came in below all the forecasts (including ours) made at the start of 2017, which were in the range of 2% growth. What forecasters did not know was that Ukraine's industrial output data was going to take a substantial hit from the removal of production volumes from the Donbass occupied territories (which occurred last March). This development changed the fundamental comparison base of 2017 from 2016 and led to a statistical misrepresentation of the overall situation in the Ukrainian industrial sector, as we suspect that the de-facto loss of production on the occupied territories to Ukraine's economy had actually occurred as much as 2 years earlier than the official acknowledgement.

Looking at industrial production in a sector breakdown, there was a 17.4% YoY increase in chemical product output in FY17. Double digit growth of 15.2% YoY was also observed in transportation machinery production.

For 2018, we forecast an increase in Ukrainian industrial output by 2.2% YoY on the back of recovery of the extraction sector and a more appropriate comparison base for the utility sector (the most important component of which is electricity output for industrial use).

MHP's Poultry Export Volume Rose 16% YoY in FY17

by Dmitry Churin
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MHP (MHPC LI)

Price: USD 14.35 Market Cap: USD 1,516mn

	P/B	EV/S	P/E	EV/EBITDA	Div. Yield
2017E	1.9	1.9	5.1	5.1	5.2%
2018E	1.9	1.7	4.6	4.6	5.2%

NEWS

London-listed poultry producer MHP (MHPC LI) reported that its poultry sales volume was approximately unchanged year-on-year at near 533,000 tonnes in full-year 2017, according to the company's operational update issued on Jan 25. 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. In 4Q17 alone, sales volume fell 13% YoY to 113,700 tonnes while production declined by only 1.0% to 141,500 tonnes. The company said its production facilities operated at full capacity in 4Q17. MHP's sunflower oil segment demonstrated a 9% YoY decrease in sales to 311,400 tonnes in 2017, with all of the sales being exports. The grain segment showed a total harvest of 1.99mn tonnes of crops, which was 15% less than in FY16. MHP operates a land bank of 356,000 hectares in Ukraine.

MHP OPERATIONAL UPDATE

Poultry	4Q17	4Q16	Change	2017	2016	Change
Sales volume, tonnes	113,746	131,064	-13%	532,727	534,356	0%
Price per 1 kg net VAT	40.71	30.41	+34%	35.63	28.44	+25%

Source: Companies' data

COMMENTARY

MHP's operational update was positive for the stock, which surged by 12% last week ahead of the release. That the company was able to deliver an increased presence on external markets to reduce its reliance on Ukraine sales was positive information that boosted confidence in MHP's sales diversification. As a corollary benefit, due to the higher share of export sales, the company achieved a 25% YoY increase in its UAH-denominated average poultry sales price in 2017. With a firm hryvnia during all of 2017, the USD-denominated increase was an impressive 21% YoY, including 29% YoY in 4Q17 alone.

Looking at MHP's grain and sunflower oil operations, it should be noted that the decline in these segments is par for the course in light of the overall weaker 2017 harvest in Ukraine following 3 consecutive near-record years in 2014-15-16.

MHP said it will release its 4Q17 financial results on Mar 14. We forecast that the company will post a net profit of USD 300mn for FY17 (EPS of USD 2.84). At the current share price of USD 14.35, the company is valued at P/E of 5.1x.

The stock reached our previous target price of USD 14.00 last week. With this news, we are revising our target price for MHPC up to USD 16.50, and reiterating our BUY recommendation.

EAVEX RECOMMENDATIONS

Name	Ticker	Price, per share	Target price, per share	Upside, %	Rating	Commentary
Agriculture						
Kernel	KER PW	53.5	82.0	53%	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	14.4	16.5	15%	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	57.4	70.0	22%	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	4.58	12.0	162%	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	13.3	13.0	-2%	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	99.0	110.0	11%	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.
Iron Ore						
Ferrexpo	FXPO LN	304.1	--	--	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.
Specialized Machinery						
Motor Sich	MSICH	4182	5250	26%	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.
Oil & Gas						
UkrNafta	UNAF	119	270	127%	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	16.3	15.0	-8%	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	18.5	--	--	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.
Power Utilities						
DonbasEnerg	DOEN	18.1	9.0	-50%	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	15.00	15.00	0%	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.
Banks						
Raiffeisen Bank Aval	BAVL	0.290	0.27	-7%	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*	Absolute performance				Performance relative to the UX index			
					1W	1M	3M	YtD	1W	1M	3M	YtD
UX Index	UX	1437.83	1556.86	850.94	0.7%	7.4%	14.5%	5.5%	0.0%	0.0%	0.0%	0.0%
Iron Ore Mining												
Ferrexpo	FXPO	300.60	323.20	137.20	-3.1%	4.4%	17.2%	2.6%	3.6%	-3.8%	-2.9%	-2.9%
Railcar Manufacturing												
Kryukiv Wagon	KVBZ	12.00	n/a	n/a	-4.0%	15.4%	29.7%	14.4%	-4.7%	8.0%	15.2%	8.9%
Specialized Machinery												
Motor Sich	MSICH	4182	4494	1951	-0.4%	15.2%	37.7%	13.0%	-1.1%	7.9%	23.3%	7.5%
Turboatom	TATM	12.65	13.21	10.00	-1.8%	-1.9%	5.4%	-3.9%	-2.5%	-9.3%	-9.1%	-9.4%
Telecom												
Ukrtelecom	UTLM	0.150	n/a	n/a	0.0%	3.4%	15.2%	0.7%	-0.7%	-3.9%	0.7%	-4.8%
Oil & Gas												
Regal Petroleum	RPT	16.25	16.25	2.75	12.1%	132.1%	136.4%	132.0%	0.1%	11.4%	124.8%	126.5%
JKX Oil	JKX	18.50	33.50	11.00	0.0%	48.0%	45.1%	68.2%	-1.2%	-0.7%	40.6%	62.7%
Ukrnafta	UNAF	118.8	n/a	n/a	-2.0%	-12.4%	-17.3%	-15.7%	-2.7%	-19.8%	-31.8%	-21.2%
Power Utilities												
Centrenergo	CEEN	15.00	15.95	9.91	3.9%	20.9%	33.8%	18.4%	3.2%	13.5%	19.3%	12.9%
Donbasenergo	DOEN	18.10	n/a	n/a	-0.4%	-1.4%	1.5%	-0.8%	-1.2%	-8.7%	-13.0%	-6.3%
Consumer												
Agroton	AGT	4.58	7.70	3.74	-5.6%	19.9%	10.6%	0.0%	-0.7%	-6.3%	12.5%	-5.5%
Astarta	AST	56.40	72.00	49.06	2.9%	10.5%	13.9%	9.5%	1.0%	2.2%	3.2%	4.0%
Avangardo	AVGR	0.35	1.00	0.35	0.0%	-14.6%	-22.2%	-2.8%	-1.2%	-0.7%	-22.0%	-8.3%
Industrial Milk Company	IMC	13.30	13.30	8.80	4.7%	6.6%	13.5%	6.6%	3.6%	4.0%	-0.8%	1.1%
Kernel	KER	53.00	80.00	45.51	8.9%	10.4%	3.0%	11.5%	-3.0%	8.2%	3.0%	6.0%
MHPC	MHPC	14.35	15.45	8.76	12.1%	25.9%	23.2%	24.8%	-5.2%	11.4%	18.5%	19.3%
Milkiland	MLK	1.56	2.80	1.43	-1.3%	4.7%	4.0%	1.3%	-1.2%	-2.0%	-2.7%	-4.2%
Ovostar Union	OVO	99.00	128.05	86.95	5.3%	11.2%	-9.3%	12.5%	-0.1%	4.6%	3.9%	7.0%
Banks												
Raiffeisen Bank Aval	BAVL	0.290	n/a	n/a	-0.3%	-1.3%	-0.3%	-1.1%	-1.0%	-8.7%	-14.8%	-6.6%

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
Iron Ore Mining																
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%
Railcar Manufacturing																
Kryukiv Wagon	KVBZ	67	55	60	1	6	7	0.9%	11.0%	12.4%	-4	2	3	-5.9%	3.3%	4.2%
Specialized Machinery																
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%
Oil & Gas																
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%
Electric Utilities																
Centrenergy	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%
Consumer																
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%
Banks																
		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	
Iron Ore Mining														
Ferrexpo	FXPO	2,499	24.0%	600	3,249	13.2	9.8	9.3	8.7	6.6	6.3	3.3	2.5	2.4
Railcar Manufacturing														
Krukiv Wagon	KVBZ	48	5.0%	2	43	neg	26.0	18.8	>30	7.1	5.7	0.6	0.8	0.7
Specialized Machinery														
Turboatom	TATM	186	5.8%	11	100	6.8	6.7	6.6	3.0	2.9	2.8	1.0	1.0	1.0
Motor Sich	MSICH	302	24.0%	73	264	3.9	2.7	3.3	1.6	1.7	1.9	0.6	0.6	0.6
Oil & Gas														
Ukrnafta	UNAF	224	3.0%	7	210	neg	3.0	2.8	1.8	1.4	1.3	0.2	0.2	0.2
Regal Petroleum	RPT	74	21.6%	16	54	n/a	24.5	14.7	5.4	3.6	2.8	2.2	2.0	1.7
JKX Oil & Gas	JKX	45	50.4%	23	153	neg	neg	>30	5.3	8.5	5.3	1.9	1.9	1.7
Electric Utilities														
CentrEnergO	CEEN	193	21.7%	42	112	12.7	3.6	3.3	2.4	1.6	1.4	0.3	0.2	0.2
DonbasEnergO	DOEN	15	14.2%	2	29	neg	10.1	20.5	4.2	3.4	3.9	0.2	0.2	0.3
Consumer														
MHP	MHPC	1,516	34.1%	517	2,520	25.6	5.1	4.6	6.1	5.1	4.6	2.2	1.9	1.7
Kernel	KER	1,263	61.8%	780	1,759	5.6	7.2	5.3	5.1	5.5	5.1	0.9	0.8	0.6
Astarta	AST	422	37.0%	156	532	4.7	4.0	3.8	3.2	3.0	2.7	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	178	25.0%	44	180	5.0	17.8	12.7	4.5	11.7	8.8	2.1	2.2	2.1
Banks														
						P/E			P/Book			P/Assets		
Raiffeisen Bank Aval	BAVL	620	1.8%	11		4.1	3.3	3.6	1.6	1.8	1.8	0.29	0.30	0.30

Source: Eavex Research

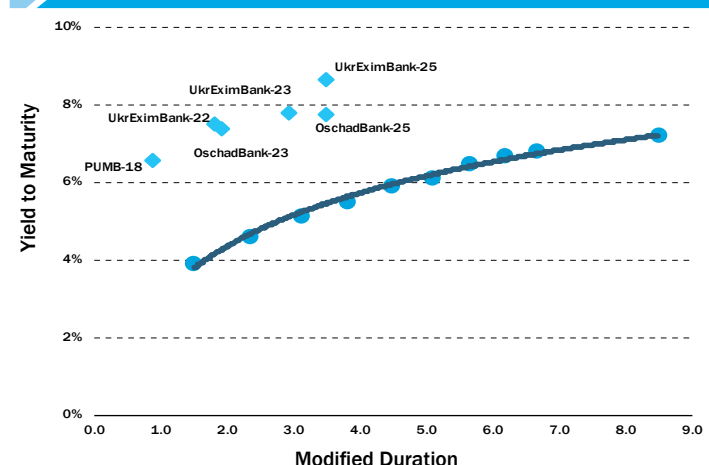
UKRAINIAN EUROBONDS

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	105.5	106.0	4.1%	3.8%	0.5%	1.5	7.75%	S/A	1 Sept 2019	1,744	Caa2/B-/B-
Ukraine, 2020	107.3	107.7	4.7%	4.6%	1.2%	2.3	7.75%	S/A	1 Sept 2020	1,780	Caa2/B-/B-
Ukraine, 2021	108.7	109.2	5.1%	4.9%	2.0%	3.1	7.75%	S/A	1 Sept 2021	1,409	Caa2/B-/B-
Ukraine, 2022	108.8	109.3	5.5%	5.4%	2.3%	3.8	7.75%	S/A	1 Sept 2022	1,384	Caa2/B-/B-
Ukraine, 2023	108.2	108.9	6.0%	5.9%	1.9%	4.4	7.75%	S/A	1 Sept 2023	1,355	Caa2/B-/B-
Ukraine, 2024	107.9	108.6	6.3%	6.1%	2.7%	5.0	7.75%	S/A	1 Sept 2024	1,339	Caa2/B-/B-
Ukraine, 2025	107.3	108.0	6.5%	6.4%	3.0%	5.6	7.75%	S/A	1 Sept 2025	1,329	Caa2/B-/B-
Ukraine, 2026	106.4	107.1	6.8%	6.6%	3.2%	6.1	7.75%	S/A	1 Sept 2026	1,318	Caa2/B-/B-
Ukraine, 2027	106.4	107.2	6.9%	6.8%	3.3%	6.6	7.75%	S/A	1 Sept 2027	1,307	Caa2/B-/B-
Ukraine, 2032	101.3	102.1	7.2%	7.1%	3.3%	8.5	7.375%	S/A	25 Sept 2032	3,000	//B-
Ukraine, GDP-linked (VRI)	68.0	69.0	n/a	n/a	24.3%	n/a	0.00%	S/A	31 May 2040	3,214	/B-/
Corporate Eurobonds											
Agroton, 2019	16.6	21.4	195%	160%	-9.5%	0.7	6.00%	S/A	14 Jul 2019	18	//
Kernel, 2022	110.3	111.1	5.8%	5.6%	-0.3%	3.4	8.75%	S/A	31 Jan 2022	500	/B/B+
MHP, 2020	108.6	109.3	4.1%	3.8%	0.1%	2.0	8.25%	S/A	2 Apr 2020	750	/B-/B-
MHP, 2024	109.3	110.0	6.0%	5.8%	1.5%	4.9	7.75%	S/A	10 May 2024	500	//
Avangardco, 2018	18.3	22.7	n/a	n/a	-15.1%	0.2	10.00%	S/A	29 Oct 2018	206	//
UkrLandFarming, 2018	20.8	21.3	n/a	n/a	0.9%	0.0	10.88%	S/A	26 Mar 2018	500	/CC/
Mriya, 2016	6.0	8.0	n/a	n/a	n/a	n/a	10.95%	S/A	30 Mar 2016	72	IN DEFAULT
Mriya, 2018	6.0	8.0	n/a	n/a	n/a	n/a	9.45%	S/A	19 Apr 2018	400	IN DEFAULT
DTEK, 2024	107.8	108.5	9.1%	9.0%	0.7%	4.7	10.75%	S/A	31 Dec 2024	1,275	//
Metinvest, 2021	102.9	103.6	n/a	n/a	11.0%	n/a	9.37%	S/A	31 Dec 2021	1,197	//B
Ferrexpo, 2019	103.9	104.6	6.9%	6.3%	-0.6%	0.7	10.375%	S/A	07 Apr 2019	186	Caa3/CCC/CC
Ferrexpo, 2019	103.9	104.7	6.9%	6.2%	-0.7%	0.7	10.375%	S/A	07 Apr 2019	161	Caa3/CCC/CC
UZ Rail, 2021	107.0	108.0	7.6%	7.3%	0.9%	1.7	9.88%	S/A	15 Sept 2021	500	/CCC+/CCC
Interepipe, 2017	27.3	30.7	n/a	n/a	5.5%	n/a	10.25%	S/A	2 Aug 2017	200	IN DEFAULT
JXX Oil&Gas, 2018	85.0	95.0	23.7%	17.1%	5.9%	1.6	8.00%	S/A	19 Feb 2018	16	//
Bank Eurobonds											
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	103.4	105.2	7.1%	5.2%	0.0%	0.8	11.00%	Q	31 Dec 2018	275	//
Nadra Bank, 2018	0.8	1.4	n/a	n/a	1.5%	n/a	6.25%	A	31 Jul 2018	60	IN DEFAULT
PrivatBank, 2018-2	35.0	38.0	n/a	n/a	9.0%	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			n/a	n/a		0.0	10.88%	S/A	28 Feb 2018	175	IN DEFAULT
UkrEximBank, 2022	108.6	109.2	7.2%	7.1%	1.7%	1.9	9.625%	S/A	27 Apr 2022	750	Caa3//B-
UkrEximBank, 2023	100.9	102.7	8.7%	8.3%	1.4%	3.5	7.51%	S/A	9 Feb 2023	125	Caa3//CCC
UkrEximBank, 2025	110.8	111.6	7.7%	7.6%	2.5%	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	107.9	108.7	7.5%	7.3%	1.0%	1.8	8.25%	S/A	10 Mar 2023	700	Caa3//B-
Oschadbank, 2025	110.4	111.3	7.7%	7.6%	2.8%	2.9	8.88%	S/A	20 Mar 2025	500	Caa3//B-
Municipal Eurobonds											
City of Kyiv, 2015	82.9	87.0	n/a	n/a	2.6%	n/a	8.00%	S/A	6 Nov 2015	101	IN DEFAULT

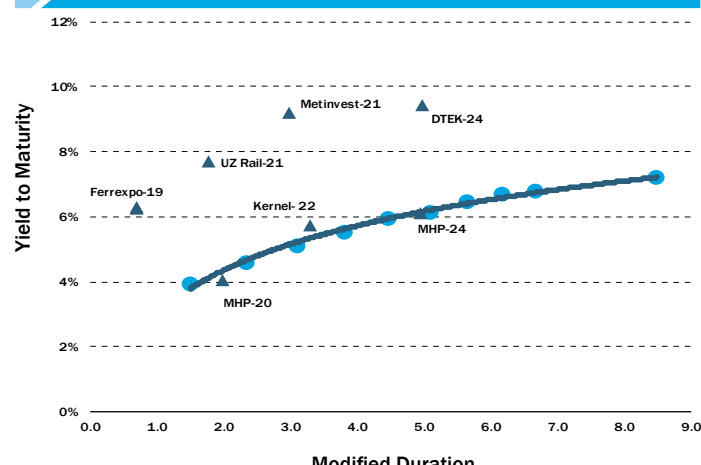
¹ Moody's/S&P/Fitch

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 UAH mn
UAH denominated Bonds									
UA4000194591			15.90%	15.15%	n/a	16.62%	S/A	11 Jul .2018	1,454
VAT Bonds									
UA4000185151			16.75%	15.75%	1.9	9.50%	S/A	8 Jul 2019	3,577
UA4000185557			16.75%	15.75%	1.9	9.50%	S/A	22 Jul 2019	2,171
UA4000186159			16.75%	15.75%	1.9	9.50%	S/A	20 Aug 2019	955

Source: Bloomberg, Cbonds, Eavex Research

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