



PRESS RELEASE

Almaty

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KASE presents results of the exchange market performance in 2021

Kazakhstan Stock Exchange JSC (KASE or the Exchange) informs you about the main results of its operations in 2021.

- The total trading volume on KASE in 2021 amounted to KZT174.4 trln and increased by 47.8 %, or 56.5 trillion tenge, compared to 2020.
- According to results of 2021, the value of KASE Index increased by 37.4 % to 3,675.28 points.
- The capitalization of the equity market increased over the year by 51 % to KZT28.8 trln.
- The volume of corporate debt traded on KASE increased by 4.8% to KZT15.4 trillion.
- In 2021, securities of 55 new issuers were listed: 3 securities in the equity sector, 33 ones in KASE Global sector, 17 ones in the corporate bonds sector and 2 ETFs.
- As of January 1, 2022, non-government securities of 558 titles of 228 issuers were in KASE's trading lists.
- As of January 1, 2022, the Central Securities Depository maintained 218,336 personal accounts opened for 199,306 individuals.

KEY PROJECTS AND EVENTS

As part of the implementation of KASE's development strategy for 2019–2021, in 2021 the Exchange implemented the following projects and carried out the following activities:

- On December 3, 2021, the Exchange's Board of Directors approved KASE's Development Strategy for 2022-2024. The main goal for the coming period is to achieve and maintain the status of the leading exchange platform in the region and increase the value of the Exchange for stakeholders;
- KASE and Scila AB entered into an Agreement for supply and implementation of the automated surveillance system Scila Surveillance™ on KASE in order to counter unfair practices on the exchange market;
- In honor of the 30th anniversary of Kazakhstan's Independence, KASE issued the second supplemented edition of the book dedicated to the history of the financial market;
- from November 15, KASE launched a new sector – KASE Global, intended for trading in the most liquid foreign shares. The total number of shares available for trading reached 43 securities;
- from September 15, KASE started calculation and publication of new money market indicators – TONIA Compounded Index and TONIA Compounded Rate;
- KASE has launched a new trading and clearing system – SPECTRA – on the derivatives market. The new system is characterized by higher speed and fault tolerance, as well as a more functional trading terminal and the ability to connect internal systems of participants through modern data exchange protocols;
- the Agency of the Republic of Kazakhstan for Regulation and Development of the Financial Market, the Exchange and PricewaterhouseCoopers Tax and Advisory LLP (PwC Kazakhstan) entered into a memorandum of cooperation in order to promote the principles of sustainable financing;
- KASE signed memorandums with Analytical Credit Rating Agency JSC (ACRA) and Expert RA JSC to promote financing of ESG projects in Kazakhstan's financial market and support the corporate sector in financing sustainable development projects.

- on July 16, 2021, KASE, together with PwC Kazakhstan and Halyk Savings Bank of Kazakhstan JSC, held a conference on Green Finance and Debt Capital Market.
- KASE provided an opportunity to conduct trades using omnibus accounts. Thanks to this project, market participants will be able to reduce transaction costs when making settlements with a clearing organization by reducing the number of transactions with financial instruments and money;
- from July 1, 2021, a new platform called "Private placement" was opened on the Exchange in the structure of the official list, which is intended for non-government securities subject to private placement;
- on June 1, 2021, KASE launched the "Green Office" program as part of the implementation of the Sustainable Development Policy adopted by the Exchange in 2020.
- KASE has increased the term of repo transactions carried out automatically from 30 to 90 days in order to ensure the availability of instruments for fundraising with securities as collateral for longer periods.
- the Exchange launched a new version of the system for exchanging documents with issuers and members of the Exchange "Issuers to investors" (is2in system), which implements an electronic format for providing services for listing securities, accrediting audit organizations, granting membership on the Exchange to professional market participants.
- in January 2021, KASE introduced the "KASE Mobile" mobile application for a wide range of users. The application complements the list of information products of the Exchange and is intended primarily to simplify access to exchange information for retail and professional investors. The application also has a function of participation in training trades on KASE.

– **Educational events**

In order to raise awareness about the activities of KASE's exchange market, as well as about the possibilities of raising capital in Kazakhstan's stock market, the Exchange continued broadcasting the training program "Stock Market with KASE" on the radio "Business FM" until August and the news program "Stock Exchange News KASE" during the whole year.

The Exchange held a webinar called "Fundamentals of the stock market" as part of the global project Global Money Week aimed at improving the financial literacy of schoolchildren and students. The webinar was attended by students from more than 10 Kazakh universities.

The Exchange held a training webinar dedicated to the topic of environmental, social and corporate governance risks (ESG – Environmental, Social, Governance), during which the speakers spoke about the goals of ESG, the factors influencing the ratings of the organization and the disclosure of ESG information on KASE.

From April 1, 2021 to January 31, 2022, the Exchange held the "Exchange Simulator" competition, in which more than 2,000 students from 60 universities took part. The competition consisted of two stages. The Stock Exchange Simulator project has been implemented since 2008. Over 12 years, more than 8.5 thousand students from 80 universities of Kazakhstan, as well as countries of near and far abroad, have taken part in it.

KASE, together with the training project to improve financial literacy Fingramota.kz of the Agency of the Republic of Kazakhstan for regulation and development of the financial market (ARDFM) and the representative office of the international organization Internews Network in Kazakhstan, held an online seminar for journalists called "The stock market: covering it competently".

The Exchange held a webinar "Principles of Responsible Investment", as part of the promotion of ESG criteria in Kazakhstan's stock market.

In order to develop the startup ecosystem of Kazakhstan, KASE held webinars within the framework of the KASE Startup project with the participation of the founders of startups "1Fit" LLP, "Terenoi", "CTOgram" and business angels club Umai Angels Club.

Open lectures were held as part of the "KASE Talks" project with the participation of Nurdaulet Aidossov, Chairman of the Management Board of Jýsan Invest JSC, Sergey Lukyanov, Chairman of the Management Board of Freedom Finance JSC, Murat Akinov, Chairman of the Management Board of Centras Securities JSC, Alexander Dronin, acting Chairman of the Management Board of BCC Invest JSC, Farkhad Okhonov, Chairman of the Management Board of Halyk Finance JSC and Elena Bakhmutova, Chairman of the Council of the Association of Financiers of Kazakhstan.

As part of the international information campaign to improve financial literacy – World Investor Week, initiated by the International Organization of Securities Commissions (IOSCO), KASE launched the educational program Fall Sessions of Financial Literacy.

– **Events for businesses**

As part of the "Issuer Day" project, online meetings of representatives of the Akimdik of Shymkent, Asian Development Bank, KEGOC JSC, Kazakhtelecom JSC and Bank CenterCredit JSC, Kcell JSC, MFO "KMF" LLP and Eurasian Development Bank with investors, professional participants in the securities market and media representatives, dedicated to the results of the companies' activities for the reporting period, were organized at KASE

KASE acted as a partner of the annual summit for managers and top managers of the financial block "CFO Summit – 2021".

In order to inform the business community and the public concerned, KASE together with the "Damu" Entrepreneurship Development Fund and akimdiks of Turkestan, Aktobe, Kyzylorda, Akmola, Almaty, East Kazakhstan, Karagandy, West Kazakhstan, Atyrau, Mangystau, Pavlodar and Zhambyl regions, and also, akimdiks of the cities Nur-Sultan, Almaty and Shymkent held an online round table on issues of raising capital in the stock market.

Based on results of 2020, KASE awarded members of the Exchange who demonstrated the best results in KASE's exchange markets, listed companies – for striving for transparency, as well as media representatives – for active coverage of the stock market in print media and online resources

– **International cooperation**

In November 2021, an online training on financial disclosure related to climate change was held for participants from Kazakhstan and Kyrgyzstan. The training was held within the framework of the United Nations' "Sustainable Stock Exchanges Initiative" (UN SSE) and KASE's cooperation with the International Finance Corporation (IFC), the Climate Disclosure Standards Board (CDSB) and Kyrgyz Stock Exchange CJSC.

On November 26, 2021, KASE took part in the II International Financial and Banking Forum of the CIS countries, within the framework of which a general annual meeting of organizations – members of the International Association of Exchanges (IAB) of the Commonwealth was held.

On October 20, 2021, the Exchange spoke at the online conference of the Federation of Euro-Asian Stock Exchanges (FEAS) called "Meet the Market with FEAS | Kazakhstan Stock Exchange", dedicated to activities of Kazakhstan Stock Exchange

On September 28, 2021, the Exchange held "KASE Day in Tashkent" in the Republic of Uzbekistan. The event was aimed at familiarizing the participants with the current situation and prospects for the development of Kazakhstan's exchange market, financial instruments and services of KASE, the conditions for raising capital on Kazakhstan's stock market for Uzbek companies and investment potential.

Kazakhstan Stock Exchange JSC and Uzbek Republican Currency Exchange JSC (UZCE) signed a Memorandum of mutual cooperation. The purpose of the Memorandum is to develop mutually beneficial cooperation between KASE and UZCE in the field of study and exchange of experience in the use of instruments and technologies of exchange trading

On June 9, 2021, KASE, together with the Federation of Euro-Asian Stock Exchanges (FEAS) and European Bank for Reconstruction and Development (EBRD), held a webinar on the topic "IPO Workshop" for representatives of all interested companies.

As part of the implementation of the UN's Sustainable Stock Exchanges Initiative, this year for the fourth time the Exchange held the trading opening ceremony "Ring the Bell for Gender Equality", as well as the online event "Inclusive Leadership: A New Reality in Business".

EQUITY MARKET

Capitalization of the equity market since the beginning of the year increased by 51.0 % or KZT9.7 trln and amounted to KZT28.8 trln (USD66.6 bn). The main contribution to the growth in capitalization of the equity

market was made by the resumption of transactions at KASE and the growth in the price of common shares of Kaspi.kz JSC, as well as the growth in the price of most companies in the index list.

As of the end of 2021, there were shares of 164 titles of 150 issuers in the Exchange's trading lists, of which shares of three titles of three issuers were admitted to circulation in the "Unlisted securities" sector and foreign shares of 43 titles in the KASE Global sector.

Since the beginning of the year, ordinary shares of five titles of five issuers have been included in the official list of the Exchange, including three new ones listed on KASE for the first time (Jaltyrbulak JSC, First Heartland Securities JSC, AsiaAgroFood JSC) and two operating issuers (AltynGold PLC, Centras Securities JSC). In the fourth quarter of 2021, 33 foreign shares were included in the KASE Global sector.

The volume of trading in shares in 2021 compared to 2020 increased by 80% or KZT190.8 bn to KZT429.3 bn. The average daily trading volume amounted to KZT1,751.9 mln, the average daily number of deals – 1,863, the average volume of one deal – KZT940.3 th.

The volume of the primary market is estimated at KZT0.9 bn. The entire volume fell on the offering of common shares of BAST JSC in KASE's trading system in the first quarter of 2021. In terms of investors, 87.1 % of the trading volume fell on legal entities and 12.9 % on individuals. Participation of non-residents is estimated at 14.9 %.

The volume of trading in **the secondary market** of shares increased by 82.4 %, or KZT193.5 bn, and amounted to KZT428.4 bn. In the fourth quarter, the trading volume amounted to KZT241.7 bn, of which KZT127.2 bn fell on the buyback of ordinary shares of Halyk Savings Bank of Kazakhstan JSC and KZT67.1 bn – on the purchase of ordinary shares of KazAzot JSC, which took place within the special trading on December 10, 2021.

In terms of the main categories of investors in the secondary market, the most active are individuals, whose accounts accounted for 45.5 % of the gross turnover of trading in shares. The participation of banks is estimated at 0.1%, that of broker-dealers – at 12.1 %, that of other institutional investors – at 6 %, the share of other legal entities was 36.2 %. The participation of non-residents is estimated at 4.3 %.

KASE GLOBAL

From November 15 trades in foreign shares of 25 titles admitted to circulation on KASE for the first time were opened in KASE Global sector, from November 22 shares of 12 foreign issuers were transferred to this sector, which were previously in the "standard" category of KASE official list's main market. In December, 6 more titles of shares were included in the lists of KASE Global. Thus, at the end of the year, 43 titles of shares of foreign issuers were available for investment in this sector.

Since the start of trading in the KASE Global sector, 4,167 deals were made for a total of KZT6.4 bn, or USD14.8 mln. On average, 138 deals were made per day for the amount of KZT207.7 mln, or 477.7 thousand US dollar.

KASE INDEX

Since the beginning of the year, KASE Index has grown by 37.4% to 3,675.28 points, despite the exclusion from the Exchange's official list of shares of KAZ Minerals PLC after the delisting decision. The maximum value was recorded on November 18 – 3,810.7 points. The total volume of trading in index shares at the end of 2021 amounted to KZT55.9 bn, an increase of 51.7 % YoY.

Change in prices of shares on the latest deals, included in the representative list of KASE Index

Issuer	Ticker	Price, tenge per share			Volume*, mln tenge		
		as of 01.01.22	as of 01.01.21	Δ	2021	2020	Δ
Kazatomprom JSC	KZAP	16,890.00	7,150.00	136.2%	2,688.3	653.8	311.2%
Bank CenterCredit JSC	CCBN	398.00	215.64	84.6%	7,034.0	3,458.0	103.4%
Halyk Savings Bank of Kazakhstan JSC	HSBK	186.99	123.99	50.8%	9,971.0	9,069.0	9.9%
Kazakhtelecom JSC	KZTK	35,800.00	26,700.00	34.1%	5,826.3	5,647.4	3.2%
KazTransOil JSC	KZTO	1,094.10	970	12.8%	5,562.8	4,341.2	28.1%

KEGOC JSC	KEGC	1,870.52	1,697.00	10.2%	1,684.4	2,413.4	-30.2%
Kcell JSC	KCEL	1,626.91	2,760.00	-41.1%	20,579.0	7,025.5	192.9%

*excluding large transactions and transactions of an irregular nature

Shares of NAC Kazatomprom JSC became the growth leader among the representatives of KASE Index list. Over the year, their price increased by 136.2 % on KASE. This year, the governments of more than 20 countries have expressed interest in the transition to nuclear energy. Against the background of the energy transition private investors in the stock markets are interested in a new product – trust funds that invest in physical uranium. The Sprott Physical Uranium Trust began trading on the Toronto Stock Exchange on July 20. As of the end of 2021, the trust manages assets worth \$1.77 billion and 41.3 million pounds of uranium. This is approximately 30% of global annual consumption. With its entry into the market, prices for uranium futures rose from \$30.3 to \$50.8 per pound, reaching the level of 10 years ago.

Securities of **Bank CenterCredit JSC** have grown by 84.6 % since the beginning of the year. By the beginning of the fourth quarter of 2021, the bank's shares have fully recovered the losses of recent years and moved to a consistent update of historical price highs. According to the monthly reports of the National Bank of the Republic of Kazakhstan for 11 months, the bank's loan portfolio increased by KZT107 bn, and the share of overdue loans decreased by 0.3 %. Against the background of the growth of the loan portfolio, the bank's interest income increased, and non-consolidated net profit for 9 months of 2021 increased by 42.3 % compared to the same period last year.

In 2021, **Halyk Savings Bank of Kazakhstan JSC** reported a record net profit, paid high dividends, reduced its debt burden by redeeming bonds for \$1.3 bn, became the first second-tier private bank in Kazakhstan to receive an investment rating and announced the transition to new fintech strategy.

Shares of Kcell JSC began 2021 with a renewal of historical price highs. The peak fell on January 13, when the company's shares cost KZT2,840 per share. In early February, the price began to fall and by August 24, it had dropped by 57.6 % to KZT1,203. Since August 24, the stocks have been trying to change the trend, but only turned to growth on October 10. For an incomplete month, securities increased in price by 45.5 % to KZT1,751.11 per share, and then again moved to a gradual decrease and closed the year at the level of KZT1,626.91 per share.

CORPORATE BONDS

The volume of outstanding corporate debt in circulation in 2021 increased by 4.8 % or KZT709.3 bn to KZT15.4 trln (USD35.7 bn).

As of the end of December 2021, corporate bonds of 318 issues of 80 issuers were on KASE's official list. In 2021, bonds of 85 issues of 37 issuers (17 new ones) were included in KASE official list, of which in the fourth quarter – bonds of 21 issues of 19 issuers, of which 9 new ones were those of Safe-Lombard LLP, MFO "Mogo Kazakhstan" LLP, Gaz Finance plc, Kazyna Capital Management JSC, MFO "UNICREDO" LLP, Baiterek Venture Fund JSC, TSSP Group LLP, MFO "Bravo Business" LLP, MFO "Rangeld Finance" LLP .

The value of the yield index of corporate bonds KASE_BMY in 2021 increased by 15 basis points to 10.61 % per annum.

The volume of trading in corporate bonds on KASE decreased relative to 2020 by 26.4 %, or 710.4 bn tenge, to 1,980.8 bn tenge. The average daily trading volume amounted to 8.1 bn tenge (in the secondary market – 3.4 bn tenge), the average daily number of transactions – 36 transactions (in the secondary market – 32 transactions), the average volume of one transaction – 224.1 mln tenge (in the secondary market – 106.5 mln tenge).

In 2021, bonds of 68 issues of 33 issuers were placed on the primary corporate bond market for a total amount of 1,143.7 bn tenge, which is 48.9 % or 1,095.7 bn tenge lower than in 2020. In the fourth quarter of 2021, bonds of 27 issues of 22 issuers were placed for a total amount of 460.9 bn tenge, which is 2.1 times higher than in the third quarter:

- Kazakhstan Sustainability Fund JSC raised KZT89.7 bn by placing bonds with a yield to maturity of 9.97 – 10.40 % per annum (the weighted average yield on the issue varied in the range of 9.97 – 10.40 % per annum) and current maturity of up to one year;
- Agrarian Credit Corporation JSC raised KZT35.0 bn by placing ten-year bonds with yield to maturity of 7.10-11.5% APR;
- 5A OIL LLP raised \$5 million (KZT2.2 bn) by placing international bonds with a yield to maturity of 8 % per annum and a maturity of 2.5 years;

- Development Bank of Kazakhstan JSC raised KZT55.5 bn by placing ten-year bonds with a yield to maturity of 7.10-11.0% per annum;
- National Managing Holding "Baiterek" JSC raised KZT55 bn by placing ten-year bonds with a yield to maturity of 11 % per annum;
- Subsidiary JSC VTB Bank (Kazakhstan) raised KZT9.6 bn by placing two-year bonds with a yield to maturity of 11.25 % per annum;
- Bank CenterCredit JSC raised KZT5.1 bn by placing seven-year bonds with yield to maturity of 12.5 % per annum;
- Eurasian Bank JSC raised KZT6.2 bn by placing bonds with a weighted average yield to maturity of 10.85 % per annum and a maturity of 4.7 years;
- Bank RBK JSC raised KZT24 bn by placing bonds with weighted average yield to maturity of 10.85 % per annum;
- Kazyna Capital Management JSC raised KZT12.8 bn by placing ten-year bonds with a yield to maturity of 7.1% per annum;
- KEGOC raised KZT16.6 bn by placing bonds with a yield to maturity of 11.5 % per annum and a maturity of 13.6 years;
- Kazakhstan Housing Company JSC raised KZT50.0 bn by placing ten-year bonds with a yield to maturity of 7.02 % per annum
- Leasing Group JSC raised KZT1.8 bn by placing one-year bonds at 13.25 % per annum;
- Microfinance organization "CCLone.kz" LLP raised KZT80 mln on KASE by placing two-year bonds at 19 % per annum;
- Microfinance organization "OnlineKazFinance" LLP raised KZT6.8 bn by placing three-year bonds with a yield to maturity of 17 – 18 % per annum;
- Industrial Development Fund JSC raised KZT50.0 bn by placing seven-year bonds at 12.40 % APR;
- Safe-Lombard LLP raised KZT489 mln by placing three-year bonds with a yield to maturity of 16 % per annum;
- Transtelecom JSC raised KZT15 bn by placing seven-year bonds with a yield to maturity of 13 % per annum;
- PartnerInterFreight LLP raised KZT74.2 mln by placing bonds with a yield to maturity of 11 % per annum and a maturity of less than one year;
- MFO "Swiss Capital" LLP raised KZT41.8 mln and \$120.8 th. (KZT51.8 mln) by placing three- and two-year bonds at 20 % and 10 % APR.

In terms of the main categories of investors in the primary market of corporate bonds, the share of banks was 28.8 %, brokerage and dealer organizations – 7 %, other institutional investors, including insurance companies – 22.9 %, other legal entities – 40.6 %, individuals – 0.8 %. The share of participation of non-residents was 3.7%.

The volume of trading in the secondary bond market compared to 2020 increased by 85.3 %, or 385.3 billion tenge, to 837 billion tenge.

In terms of the main categories of investors in the secondary market of corporate bonds, the share of banks was 2.3 %, brokerage and dealer organizations – 12.6 %, that of other institutional investors – 25.3 %, that of other legal entities – 56 %, the share of individuals – 3.8 %. The share of non-residents was 10.4 %.

GOVERNMENT SECURITIES (GS)

The amount of government debt at par value traded on KASE amounted to 17.8 trillion tenge (41.3 billion USD), having increased by 6.5 %, or 1.1 trillion tenge, since the beginning of the year.

The total volume of GS trading on KASE amounted to 3.6 trillion tenge and decreased relative to 2020 by 23.1 %, or 1.1 trillion tenge. The average daily trading volume amounted to 14.6 billion tenge (in the secondary market – 3.6 billion tenge), the average daily number of transactions – 10 (in the secondary market – 7), the

average volume of one transaction – 1.4 billion tenge (average volume of one transaction per secondary market – 0.5 billion tenge).

The volume of trading in the primary market of government securities decreased by 27.7 %, or by KZT1,032.4 billion, to KZT2,701.5 billion. Of these, KZT287.5 bn were raised by the akimdiks of 14 regions, the cities of Almaty, Nur-Sultan and Shymkent. The Ministry of Finance raised KZT2,414.1 bn with an average weighted yield of 8.99 – 10.87 % per annum, placing 23 issues with a maturity of 0.9 – 15 years.

At the same time, in the fourth quarter of 2021, the volume of placements amounted to KZT887.9 bn, of which KZT189.1 bn were raised by akimdiks, the Ministry of Finance – KZT698.8 bn. Rates at auctions of placements of the Ministry of Finance were in the range of 10.16 – 10.85 % per annum within the framework of placements of 14 issues with a maturity of 1.7 – 14.8 years.

In terms of the main categories of investors in the primary market, the share of STBs accounted for 47.4 %, broker-dealers – for 0.7 %, other institutional investors – for 34.9 %, the share of other legal entities was 16.9 %, that of individuals – 0.1 %. The share of non-residents was 2 %.

The trading volume in the secondary market decreased by 4.6 % and reached KZT874.4 bn. The share of trading in notes of the National Bank in the secondary market is 34.7 %, or KZT303.1 bn, of the total trading volume, the share of MEKAM is 61.5 %, or KZT537.8 bn, for Eurobonds of the Republic of Kazakhstan – 3.4 %, or KZT29.8 bn. The rest of the volume, which is less than 1% (KZT3.6 bn), fell on transactions with government securities of foreign states.

In the fourth quarter, the trading volume of government securities on the secondary market amounted to KZT253.4 bn, while the share of trading in the National Bank's notes on the secondary market was 26.5 %, or KZT67.2 bn of the total trading volume, the share of MEKAM was 69.4 %, or KZT176.0 bn, for Eurobonds of the Republic of Kazakhstan – 3.2 %, or KZT8.bn. The rest of the volume, amounting to 0.8 % (2 billion tenge) fell on transactions with government securities of foreign states.

In terms of the main categories of investors in the secondary market, the share of STBs accounted for 41.6 %, the share of broker-dealers – for 9.1 %, the share of other institutional investors – for 11.9 %, the share of other legal entities amounted to 37.0 %, the share of individuals accounted for 0.4 %. Participation of non-residents is estimated at 7.5 %.

BONDS OF INTERNATIONAL FINANCIAL ORGANIZATIONS (IFO)

As of the end of the year, there were bonds of 46 issues of four international financial organizations on KASE's trading lists: Eurasian Development Bank, European Bank for Reconstruction and Development, International Finance Corporation and Asian Development Bank.

In 2021, 22 bond issues were included in the "Securities of International Financial Organizations" sector of the KASE's official list, of which 10 were issued in the fourth quarter.

In 2021, the trading volume amounted to 155.4 billion tenge against 274.2 billion tenge a year earlier, having decreased by 118.8 billion tenge, or 43 %.

In the primary market of the sector of bonds of international financial organizations in 2021, 13 issues of three international financial organizations were placed for a total of 116.9 billion tenge, which is 56.2 %, or 150.1 billion tenge, lower than in 2020 (presented below).

- nine issues of Eurasian Development Bank for a total of 73.6 billion tenge, the weighted average yield varied from 9.50 % to 11.00 % per annum;
- three issues of Asian Development Bank for a total of 30.8 billion tenge, the weighted average yield varied from 9.95 % to 10.45 % per annum;
- one issue of European Bank for Reconstruction and Development for a total amount of 12.5 billion tenge with a yield at the level of the compound interest rate TONIA+0%.

At the same time, in the fourth quarter, seven bond issues were placed in the amount of 47.8 billion tenge.

In terms of the main categories of investors in the primary market, the share of banks was 31.4 %, that of broker-dealers – 8.3 %, that of other institutional investors – 27.7 %, that of other legal entities – 32.6 %. The share of non-residents was 4.7 %.

In the secondary market, the trading volume amounted to 38.5 billion tenge, which is 5.3 times, or by 31.3 billion tenge, higher than a year earlier.

In terms of the main categories of investors in the secondary market for bonds of international financial organizations, the share of banks was 25.4 %, that of broker-dealers – 21.1 %, that of other institutional investors – 30.4 %, that of other legal entities – 23.1 %, that of individuals – less than 0.1 %. The share of non-residents was 17.5 %.

UNITS OF INVESTMENT FUNDS

As of January 1, 2022, there were 19 instruments of unit investment trusts managed by six management companies and six ETFs in the Investment Fund Securities sector.

Since the beginning of the year, nine instruments have been included in the "Securities of Investment Funds" sector of KASE official list: two ETFs (Invesco Exchange-Traded Fund Trust and iShares Trust) and seven unit investment trusts.

In 2021, the trading volume amounted to 38.1 billion tenge and increased by 87.8%, or 17.8 million tenge, compared to 2020.

Instruments	Volume, mln tenge	Number of deals, pcs.
RU_UKFFipo	30,078.3	9,700
FFIN_or	2,088.3	846
FHJlag	1,375.5	226
IE_FXBF	713.1	4,610
CSECfe	668.9	102
FHJlpc	495.4	68
CSECgm	437.2	83
US_BIL_	363.9	49
US_SPY_	340.6	1,177
FFINgw	311.8	51
US_PHO_	255.3	37
FHJIds	168.7	4,241
FHJlhm	157.8	3,674
HFINhp	146.4	1
HFINhs	145.4	1
US_ICLN	121.3	115
BCClrb	120.3	4
FHJllq	66.6	35
BCCI_cc	63.8	4
US_GLD_	10.5	8
RU_UKFFvdo	5.0	12
HFINhv	1.0	25
Total	38,135.2	25,069

In terms of the main categories of investors, 49.0 % are individuals, 39.1 % – broker-dealers, 0.8 % – other institutional investors, 11.1% – other legal entities. The share of non-residents was 0.9 %.

ACCOUNTS OF INDIVIDUALS IN THE SECURITIES MARKET

As of January 1, 2022, the Central Securities Depository maintained 218,336 personal accounts opened for 199,306 individuals. At the end of December, individuals registered 6,014 new personal accounts, since the beginning of 2021 – 87,822 accounts.

FOREIGN CURRENCY MARKET

In 2021, 34 members of KASE took part in trading on the foreign currency market on KASE. The trading volume reached 15.6 trillion tenge, which is by 34.1 %, or 3,960.9 billion tenge, higher than the same indicator last year. The average daily trading volume amounted to 63.5 billion tenge, the average daily number of deals – 422, the average volume of one deal – 150.2 million tenge.

The table below shows the main characteristics of the currency pairs traded on KASE (in parentheses is the change in the indicator against the same period last year, the change in the exchange rate reflects the nominal change in the weighted average exchange rate of foreign currency to KZT).

Pair	Volume, mln units of currency	Share in the trading volume, %	Number of deals	Min. and max exchange rates, quantity of quoted currency per unit of the base currency	Exchange rate as of the end of period (chg.%)
USD/KZT	35,472.9 (+28.5 %)	97.2 % (-1.1 %)	99,031 (+3.9 %)	414.81 – 436.36	431.80 (+2.6 %)
RUB/KZT	46,703.7 (X 2.6)	1.7 % (+0.9 %)	2,890 (X 2.3)	5.5525 – 6.1176	5.9260 (+4.2 %)
CNY/KZT	1,855.9 (+39.8 %)	0.8 % (+0.1 %)	1,461 (+79.5 %)	64.2429 – 68.6093	67.8487 (+4.9 %)
EUR/KZT	69.1 (X 2.0)	0.2 % (+0.1 %)	250 (+27.6 %)	492.00 – 523.00	492.00 (-3.8 %)

MONEY MARKET

The total volume of trading in the money market reached 152.7 trillion tenge, having increased by 55 %, or 54.2 trillion tenge, compared to last year.

Composite indicator of the money market MM_Index, which the average value of the yield on USD/KZT currency swap transactions and automatic repo transactions with government securities opened for one business day, weighted through the volume of transactions, increased by 227 b.p. to 10.52 % per annum from 8.25 % per annum.

Repo transactions market

The total volume of repo transactions for 2021 amounted to 141.6 trillion tenge, which is more than the volume of transactions in 2020 by 53.1 trillion tenge, or 59.9%. The average daily volume of transactions amounted to 578.1 billion tenge, the average daily number of daily transactions – 579, the average volume of one transaction – 997.7 million tenge. In the structure of repo transactions, 93 %, or 131.9 trillion tenge, were auto-repo transactions with a basket of government securities, auto-repo with a basket of BISP – 2 %, or 3 trillion tenge, auto-repo with foreign government securities – 2 %, or 2.5 trillion tenge, auto-repo with CS – 3 %, or 4.1 trillion tenge, direct repo of CS – less than 0.1 %, or 0.1 trillion tenge.

The TONIA indicator for 2021 increased by 231 b.p. from 8.25 % to 10.56 % per annum, seasonal fluctuation was observed during the period of tax payments, and pressure on the indicator increased in December 2021.

The value of the TRION indicator rose by 228 b.p. from 8.25 % to 10.53 % per annum, the value of the TWINA indicator – by 174 b.p. from 8.60 % to 10.34 % per annum

On September 15, KASE started calculating derivative indicators based on the TONIA money market indicator – TONIA Compounded Index (TCI) and TONIA Compounded Rate (TCR). The indicators were developed with the participation of the European Bank for Reconstruction and Development and second-tier banks of the Republic of Kazakhstan, by analogy with the calculation of the reference interest rates of the average values of the SOFR index (the administrator of this index is the US Federal Reserve Bank) and ICE SONIA (the administrator is the Bank of England). The new indicators TONIA Compounded Index and TONIA Compounded Rate serve as a benchmark in the formation of prices for financial products, and give financial market participants the opportunity to diversify product lines

Currency swap transactions

The total volume of currency swap transactions increased by 1.1 trillion tenge, or 11 %, to 11 trillion tenge, from 9.9 trillion tenge in 2020. The average daily volume of transactions in 2021 amounted to 45 billion tenge, the average daily number of transactions was 13, the average volume of one transaction was 3.5 billion tenge.

In the instrumental structure, 61.6 % of the total trading volume (6.8 trillion tenge, or 15.9 billion USD) in the currency swap market fell on transactions with the one-day currency swap (USDKZT_0_001), 32.9 % of the total trading volume (3.6 trillion tenge, or 8.5 billion USD) in the currency swap market fell on transactions with the two-day currency swap (USDKZT_0_002), 5.3 % of the total trading volume (586.1 billion tenge, or 1.4

billion USD) – on transactions with the one-month currency swap (USDKZT_0_01M) and 0.1 % (12.6 billion tenge, or 30 million USD) – on deals with the one- week currency swap, less than 0.1% (261.8 million tenge, or 45.0 million rubles) – on deals with the one-day currency swap with the Russian ruble.

Yield of the one-day dollar swap SWAP-1D (USD) at the end of the year reached 9.47 % per annum and increased by 120 b.p. since the beginning of the year. The yield on the two-day SWAP-2D (USD) currency swap increased by 224 b.p. up to 10.24 % per annum

DERIVATIVES MARKET

At the moment, non-deliverable futures on the US dollar to the tenge exchange rate, common shares of Halyk Savings Bank of Kazakhstan JSC, common shares of NAC Kazatomprom JSC and KASE Index are available for trading in the derivatives market.

In 2021, 9 transactions were concluded in the amount of 1.8 million tenge:

- two deals with futures on the US dollar against tenge exchange rate with execution in July 2021 for a total of 856,000 tenge;
- one deal with a futures on the US dollar against tenge exchange rate with execution in August 2021 for a total of 849,600 tenge;
- two transactions with a futures on common shares of National Atomic Company "Kazatomprom" JSC with execution in July 2021 for a total of 36,336 tenge;
- two deals with a futures on common shares of Halyk Savings Bank of Kazakhstan JSC with execution in August 2021 for a total of 64,575 tenge;
- two deals with futures on KASE Index with execution in August 2021 for a total of 9,286 tenge.

By the beginning of 2022, there were no open positions of trading participants in the derivatives market.

For reference

Kazakhstan Stock Exchange (KASE) is a leading stock exchange in the Central Asian region. KASE occupies the second place among the CIS exchanges in terms of securities trading volume, and the fifth rank in terms of the equity market capitalization among the FEAS exchanges.

It is a universal trading platform for corporate and government securities, bonds of international financial institutions, foreign currencies, transactions of the money market – repo and swap, as well as derivatives. KASE is a member of the World Federation of Exchanges (WFE), the Federation of Euro-Asian Stock Exchanges (FEAS) and other international and local professional associations, as well as a participant of the UN's "Sustainable Stock Exchanges" initiative.

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