

PERFORMANCE OVERVIEW Q2 2022



July 14, 2022 Almaty



CONTENTS

- Summary of results
- Key projects of KASE and events

From 01.01.2022



+91%

trading volume

from 71.5 to 136.9 trln tenge

x2.2

trading volume in the secondary GS market

from 478.0 to 1,072.0 bn tenge

+60%

trading volume in the secondary corporate bond market from 358.8 to 573.0 bn tenge

+ 20%

trading volume on the foreign currencies market

from 6.8 to 8.2 trln tenge



-27 %

KASE Index

from 3,675.28 to 2,674.72 points

-27 %

equity market capitalization

from 28.8 to 20.9 trln tenge

+158 th.

new accounts opened by individuals as of 01.07.22 365 thousand accounts in the CSD

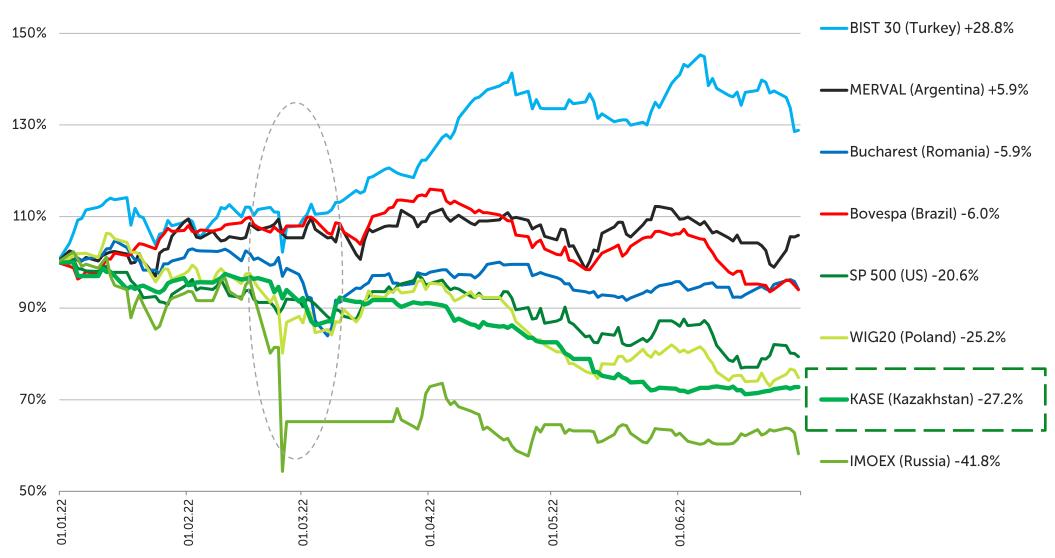
+27 new

instruments in the official list

KASE Index and World Stock Indices



data from January 1 to June 30, 2022



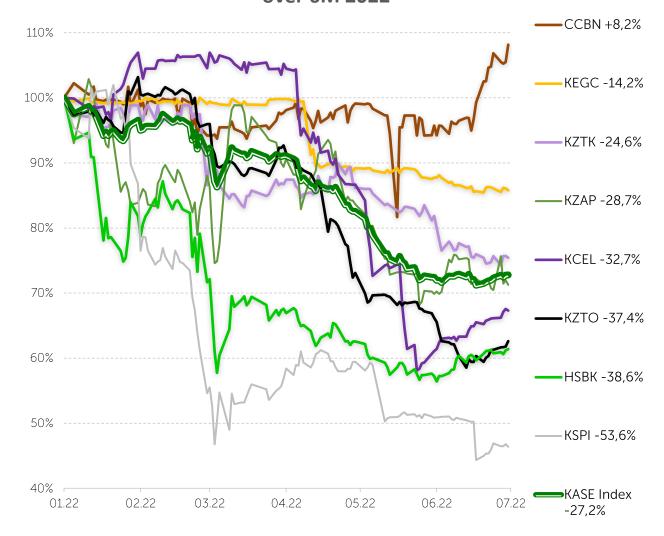
KASE Index



	KASE		
Company	Free float, %	Share in the index, %	Capitalization, bn KZT
Bank CenterCredit	40.4	8.9	80.0
National Bank	30.5	16.7	1,250.0
Kcell	34.1	13.2	219.8
KEGOC	10.0	11.4	416.8
Kaspi.kz	24.1	13.3	4,666.1
Kazatomprom	25.0	14.5	3,125.4
Kazakhtelecom	20.3	14.9	285.4
KazTransOil	10.0	7.2	261.3
Total			10,304.7

[•] From May 5 , 2022 ordinary shares of Kaspi.kz JSC are included in the representative list of KASE Index

Components of KASE Index over 6M 2022

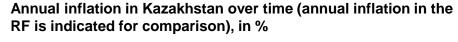


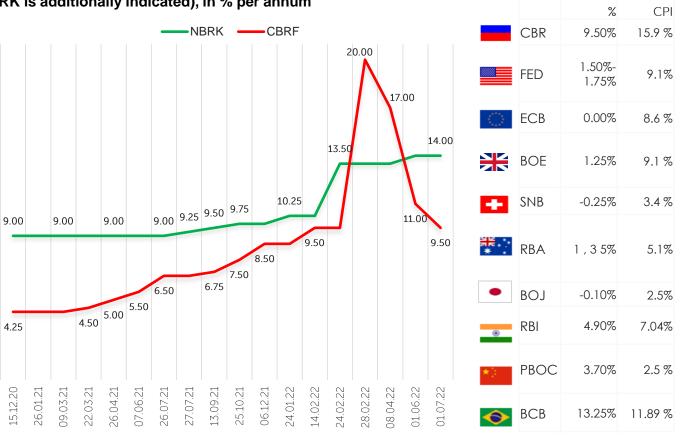
Dynamics of changes in the base rate and CPI

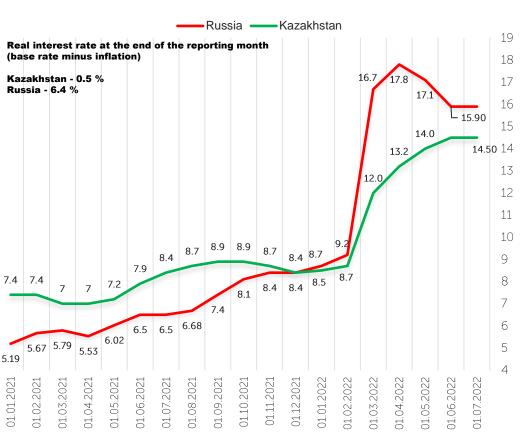


Base rate in Kazakhstan over time (the base rate of the Central Bank of the RF at the time of the change in the base rate in the RK is additionally indicated), in % per annum

Interest rates and inflation rates of other countries of the world





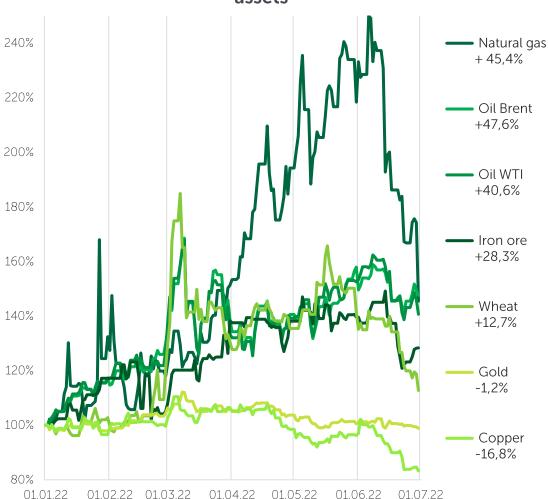


- The US Federal Reserve on March 16 raised the rate by 25 b.p., on June 15 by 75 b.p. to 1.75%;
- **ECB** completed the PEPP asset purchase program by July 2022, at its meeting in July it is planned to raise the rate by 25 b.p. for the first time;
- The Bank of England raised the rate by 25 b.p. five times in a row (December 16, February 3, March 16, May 4, June 15) to 1.25 %;
- The Central Bank of China cut the rate by 5 b.p. in December and 10 b.p. in January to 3.7%, after which it suspended easing;
- Central Bank of the Russian Federation decided to raise the key rate to 20 %, on April 11 it began to decrease it to 17 %, on May 27 to 11 %, and on June 7 to 9.5 %.

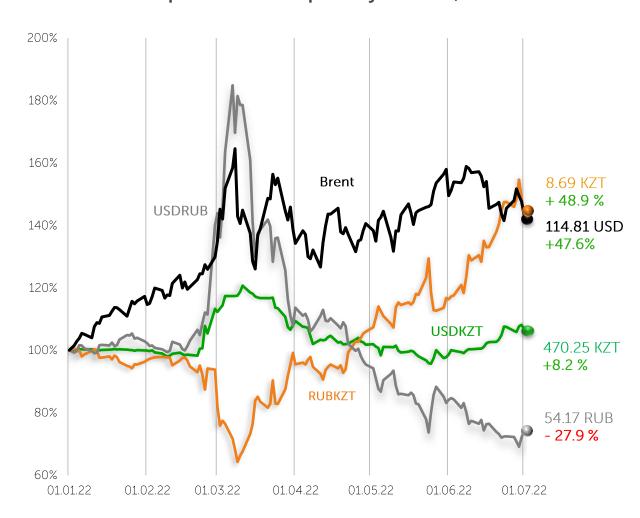
Value of underlying assets and exchange rates over time







RUB/KZT, USD/KZT, USD/RUB exchange rate dynamics in comparison with oil price dynamics*, %



^{*} data from January 1 to June 30, 2022 Source: Bloomberg

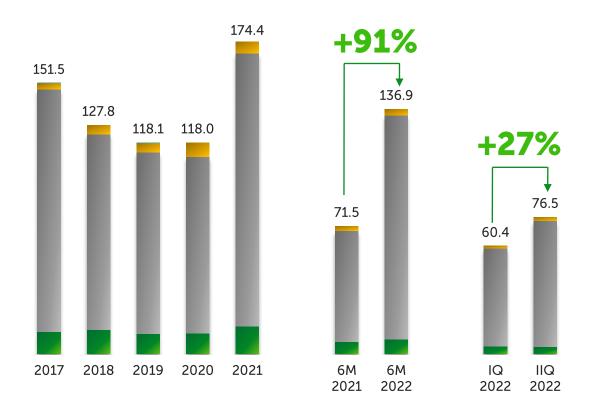
KASE Markets:

K S E

91% increase in trading volume



Dynamics of trading volume by sector, trln tenge



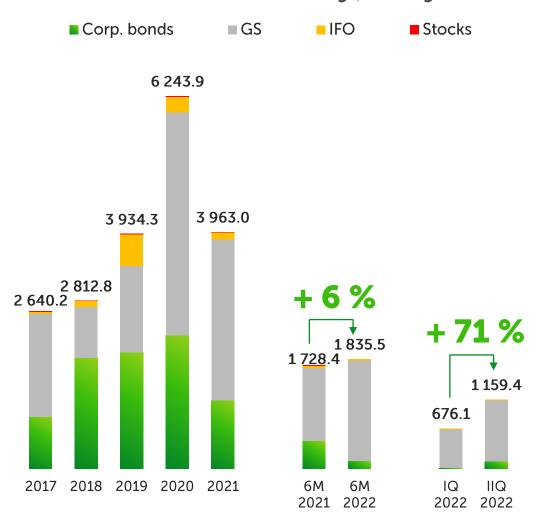




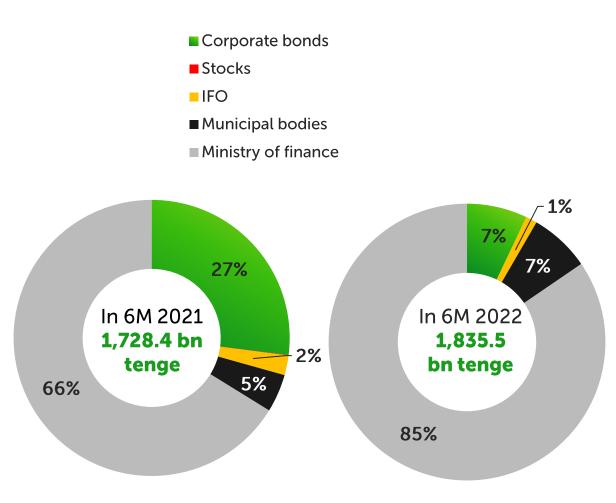


Capital Raising Market: increase in volume of funds raised by 6%

Volume of initial offerings, bn tenge



Structure of the primary market, bn tenge





In trading lists there are

1,366 instruments, including 893 securities, 244 instruments on the T+ list in 6M 2022 – 11 securities, -24 instruments on the T+ list

as of July 1, 2022

	Securities market		Money market	Currency market	Derivatives	
Stocks	Bonds	Other securities	Swap transactions	Spot	Futures	
IPO / Auctions	Auctions	Secondary market	RUBKZT	RUBKZT	KASE Index	
Buyback	Secondary market	Securities of investment	USDKZT	USDKZT	USDKZT	
Secondary market	GS MF RK	funds	CNYKZT	CNYKZT	KZAP	
Major companies	Municipal bonds	ETFs	EURKZT	EURKZT	HSBK	
SME	Notes of NBRK		Autorepo	EURUSD		
Double listing	Foreign GS		Stocks			
GDR	Corporate bonds		Bonds			
	IFO bonds*		GS basket			
56	183	5]			
112	516	21	437	16	20	
Settlements Settlements Settlements Settlements Settlements Settlements Settlements Settlements Settlements Set						
T+ 2	T+ 2	T+ 2	from T+1 to T+1Y	T+0	T+1W	
T+ 0 - illiquid	T+ 0 – illiquid	T. 0	from T+0 to T+90	T+1	T+1M	
securities	securities	T+0		T+2	T+3M	
					T+6M	

KASE official list:

K SE

10 new issuers

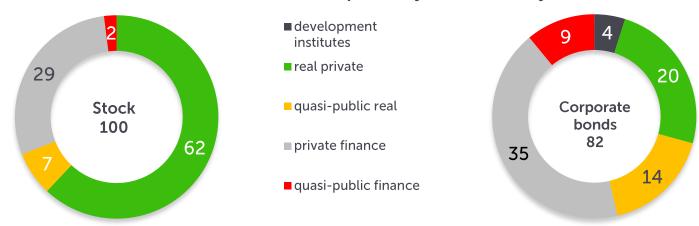
2017

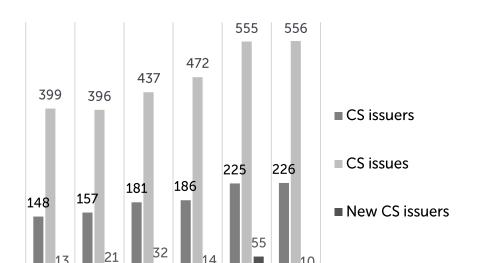
2018

2019

2020

Structure of listed companies by area of activity





2021

2022

27 instruments of 21 issuers, including 10 instruments from 10 new issuers, were included in the official list.

16 instruments from 14 issuers, including 7 instruments from 7 new issuers, were included in the official list.

- Development Bank of Kazakhstan JSC
- KazAgroFinance JSC
- NC "Food Contract Corporation"
- Microfinance Organization "OnlineKazFinance" LLP
- Microfinance organization "R-Finance" LLP
- Asian Development Bank
- Eurasian Development Bank

- ARKADA INDUSTRY LLP
- FinQ LLP
- Airbus
- Maikuben –West JSC
- Cameco Corporation
- KLA Corporation
- Halyk Global Markets JSC

Source: KASE

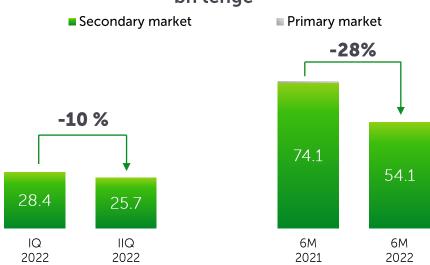
Stock market:

decline in trading volume by 28%

Key facts and figures

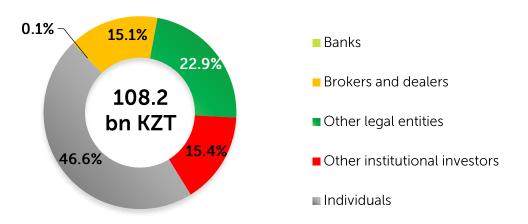
- market capitalization as of July 1, 2022 ~ **20.9 trln tenge** (since the beginning of the year -27%)
- average daily trading volume for 6M 2022 ~ **458 mln tenge** (-27% vs 6M 2021)
- average daily trading volume of shares of KASE Index for 6M 2022 ~ 340 mln tenge
- average daily number of transactions for 6M 2022 \sim **1,497 deals** (-6% vs 6M 2021)
- average volume of one transaction for 6M 2022 \sim **306 th tenge** (- 22 % by 6M 2021)

Volume of transactions on the stock market, bn tenge

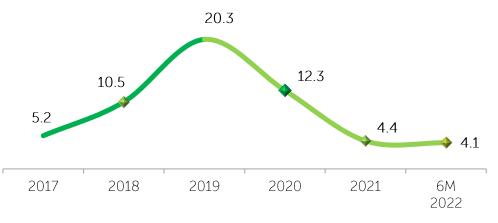




Investor structure in 6M 2022*



Share of non-residents in total gross turnover*, %



^{*} of the total gross turnover of trading in shares in the secondary market, excluding major transactions and transactions of an irregular nature

Source: KASE

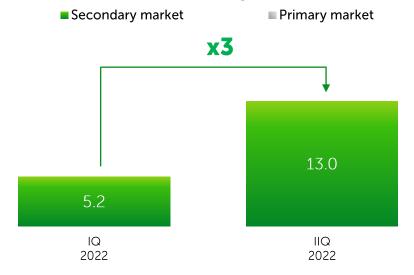
KASE Global



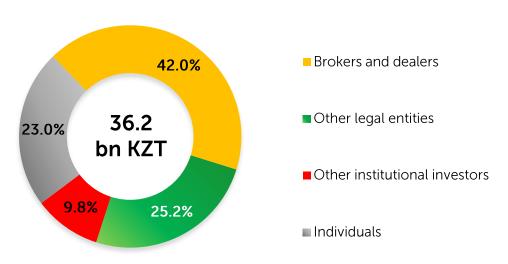
Key facts and figures

- EuroNext and EURONEXT 100 Index were added to the list of markets, securities from which can be admitted to trading in the "KASE Global" sector
- shares of **46 titles** available for trading
- average daily trading volume in 6M 2022 ~ **154 mln tenge**
- average daily number of transactions in 6M 2022 ~ **114**
- average volume of one transaction for 6 M2022 ~ 1 347 th tenge
- settlement schemes T+0, T+2, trades in USD, KZT
- trading schedule: **11:20 22:00**

Trading volume, bn tenge



Investor structure in 6M 2022



Top 5 most popular shares of KASE Global sector in 6M 2022













Corporate bond market:

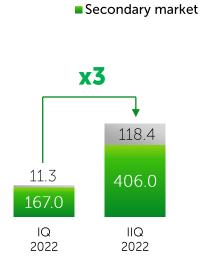


increase in trading volume in the secondary market by 60%

Key facts and figures

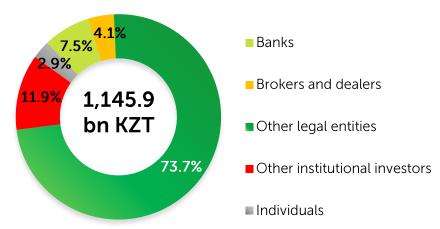
- volume of outstanding corporate debt as of July 1, 2022 15.3 trln tenge (from the beginning of the year 1 %)
- average daily trading volume in 6M 2022 ~ 6 bn tenge (-14% vs 6M 2021)
- average volume of one deal in 6M 2022 ~ 92 mln tenge
 (- 65 % vs 6M 2021)
- share of Eurobonds in total corporate debt ~ 44 %
- share of quasi-state in total corporate debt ~ **71 %**

Volume of transactions in the corporate bond market, KZT bn



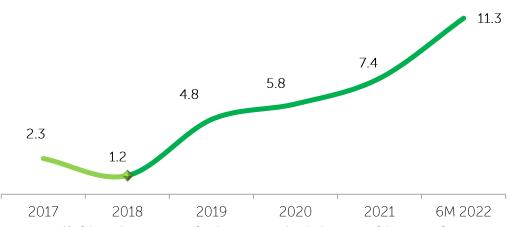


Investor structure in 6M 2022*



* of the total gross turnover of trading in corporate bonds on the secondary market

Share of non-residents in gross turnover**, %



** of the total gross turnover of trades in corporate bonds, the position of the initiator of specialized trades is excluded from the calculation

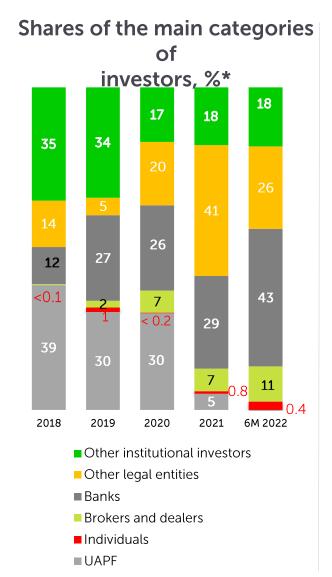


Yield, % APR

Primary corporate bond market: yield from 10.0% to 25.0% per annum

	2021 *	6M 2022 *
Number of issuers	31	6
FROM THEM :		
quasi-state companies and development institutions	13	2
private non-financial companies	3	0
private financial companies	15	4
Raised, bn KZT	1,042.4	111.7
FROM THEM:		
quasi-state companies and development institutions	808.1	99.7
private non-financial companies	10.7	-
private financial companies	188.6	12.0

^{*} excluding offerings of non-market nature

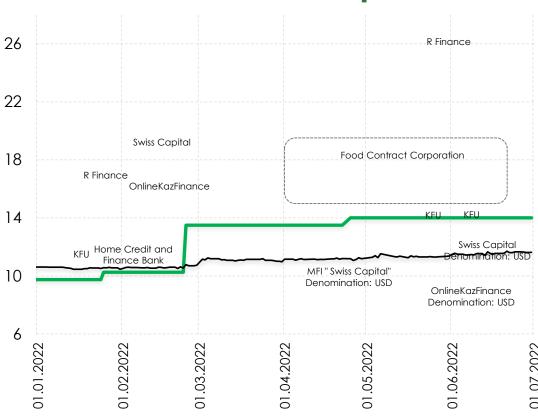


Market placements in 6M 2022

—KASE_BMY

Base rate





Corporate bond offerings in the first half of 2022





Kazakhstan Sustainability
Fund JSC
Maturity

1.0 year Volume:

22.0 / 28.7 / 9.5 bn tenge

Yield

to maturity: 10.30-14.80 % per annum



Kazakhstan Housing Company JSC

Maturity

30.0 years

1.3 bn tenge

Yield

to maturity:

0.1 % per annum



Subsidiary bank "Home Credit and Finance Bank"

JSC Maturity

2.0 - 3.0 years

Volume:

4.8 / 1.4 bn tenge

Yield

to maturity:

12.80 % per annum



National Company Food Contract Corporation JSC

Maturity

3.0 years

Volume:

39.4 bn tenge

Yield

to maturity:

15.50-16.90 % per annum



MFO "OnlineKazFinance"

Maturity

2.7 / 1.0 year

Volume:

1.5 bn tenge / 2.8 mln USD

Yield to maturity:

17.50 / 9.99 % per annum



Microfinance organization "R-Finance" LLP

Maturity

1.0 / 3.0 years

Volume:

0.5 / 119.8 mln tenge

Yield

to maturity:

18.00 / 25.00 % per annum

swisscapital

MFO "Swiss Capital" LLP

Maturity

2.7 / 2.0 years

Volume:

504.7 mln tenge / 1.5 mln USD

Yield

to maturity:

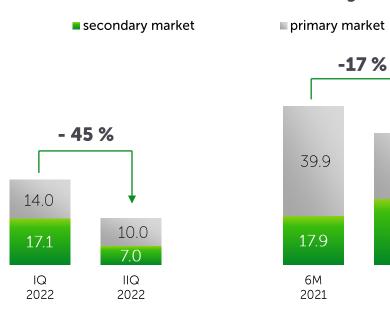
19.99 / 10.00-10.50 % per annum

Bonds of international financial organizations (IFOs)

Key facts and figures

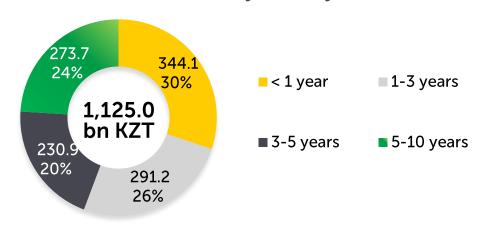
- As of July 1, 2022 41 bond issues of 4 organizations were in KASE official list
- Average daily trading volume in 6M 2022 ~ 407 mln tenge
 (-1 6 % vs 6M2021)
- Average volume of one transaction in 6M 2022 ~ **283 mln tenge** (- 76 % compared to 6M 2021)
- Settlement schemes T+0, T+2
- Trading in KZT and USD

Volume of transactions, bn tenge



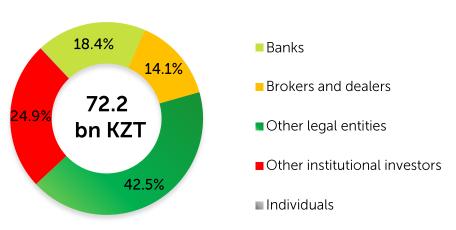
K S E

Debt structure of IFO bonds in circulation by maturity*



^{*} data are presented as of July 1, 2022 at face value

Investor structure in 6M 2022**



^{**} of the total gross turnover of trades of MFIs, the position of the initiator of specialized trades is excluded from the calculation

Source: KASE

24.0

24.1

6M

2022

GS market:

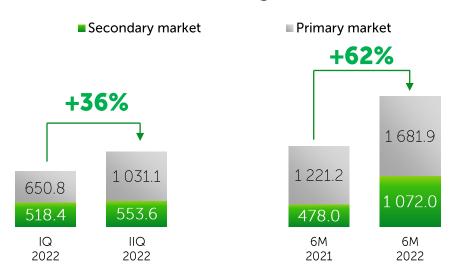


growth in trading volume in the primary and secondary markets

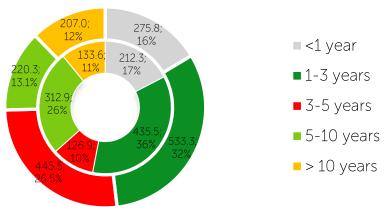
Key facts and figures

- as of July 1, 2022, the amount of public debt traded on KASE ~ KZT18.5 trln (
 ~80% of total government debt)
- the largest share (~23%) of the outstanding tenge debt of the Ministry of Finance falls on long-term bonds (more than 10 years)
- average daily trading volume in 6M 2022 ~ **23 bn tenge** (+63% vs 6M 2021)
- average volume of one deal for 6M2022 ~ 2 bn tenge (+8 % vs 6M 2021)
- yield on placements of tenge-denominated bonds of the Ministry of Finance in 2022 10.21- 14.50 % per annum

Volume of transactions in the government securities market, bln tenge

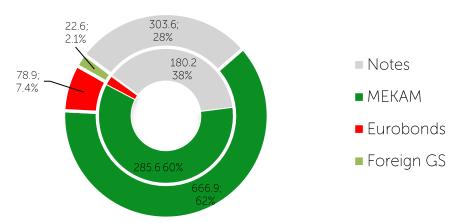


Structure of GS offerings in the primary market by maturity, KZT bn*



*inner ring - 6M 2021; outer ring - 6M 2022

Volume of the secondary GS market on KASE by instrument, KZT bn*

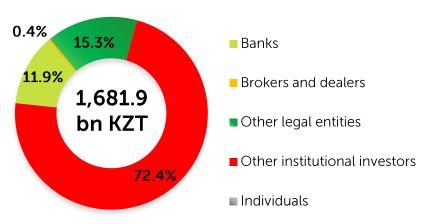


Source: KASE

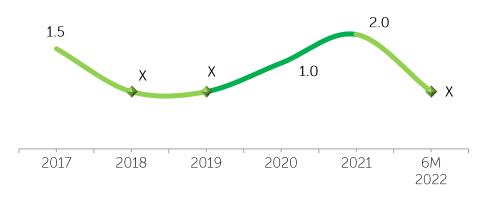


Investor base of the government securities market: ~ 11.5 % - the share of non-residents in the secondary trading

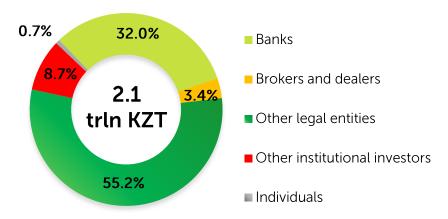
Structure of investors in the primary market in 6M 2022



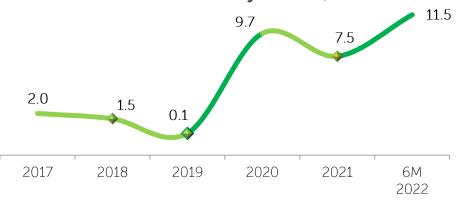
Share of non-residents in the gross turnover of the primary market, %



Structure of investors in the secondary market in 6M 2022



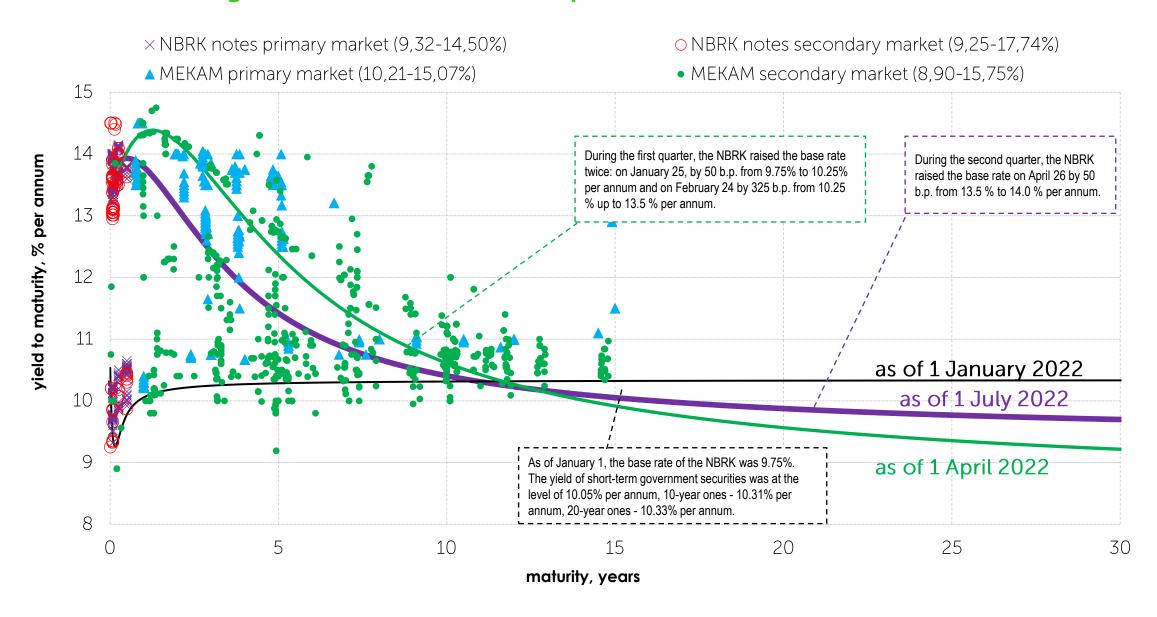
Share of non-residents in the gross turnover of the secondary market, %



Source: KASE



GS yield in 6M 2022 and GS yield curve for MEKAM offerings from 10.21% to 14.50 % per annum



GS indices



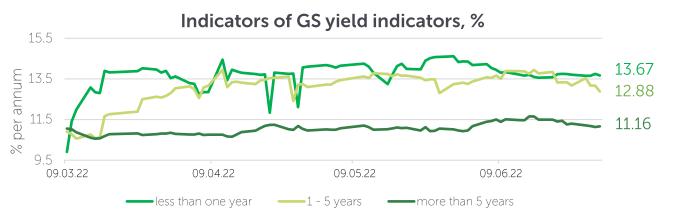
A series of GS indices show the change in the value and yield of GS at different maturity dates: less than 1 year (s), from 1 to 5 years (m), from 5 years and more (l).

- KZGB_CP price index of "clean" GS prices, calculated at prices excluding accrued and unpaid coupon interest
- KZGB_DP total income price index (including accrued coupon and reinvested coupon payment)
- KZGB_Y yield indicators, in percent per annum

Initial value of indexes:

- **KZGB_CP** = 1,000 tenge
- **KZGB_DP** = 1,000 tenge with the addition of the average value of the accrued and unpaid remuneration

Index values are calculated once a day after the completion of exchange trading in the government securities market and are published on the Exchange's official website in the "Stock Market Indicators" section – https://kase.kz/en/stock_market





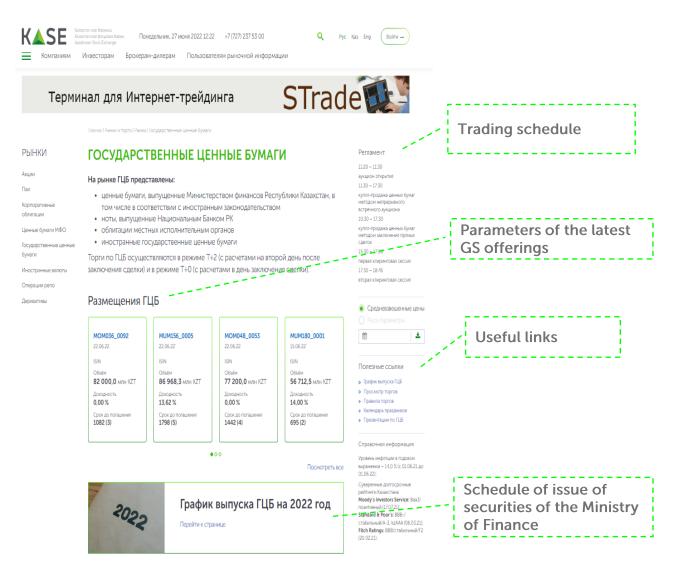


Indicators of total income of government securities



Updated GS page on KASE website:

https://kase.kz/en/gsecs/





ИНДЕКС "ГРЯЗНЫХ" ЦЕН

KZGB_DPs 1 051,37 (+0,64 %)

KZGB_DPm 1 013,51 (+5,18 %)

KZGB_DPI 1052,17 (-2,29 %)

The volume of public debt traded on KASE / GS curve

GS indices

Полезная информация



ИНДЕКС ЧИСТЫХ ЦЕН

KZGB_CPs 1 009,72 (+0.43 %)

KZGB CPm 958.48 (+4.87 %)

KZGB_CPI 995,48 (-2,55 %)







индекс доходности

KZGB_Ys 13,71, % годовых (-0.03

KZGB_Ym 13,17, % годовых (-0,17

KZGB_YI 11,30, % годовых (+0,0

Instruments available for trading on KASE

Доступные к торгам инструменты

Все инструменты	Минфин РК	НБРК	Акиматы	Иностранные ГЦБ		
Поиск по всем бу	магам (по ISIN)					
ISIN	Ticker	Currency		Issued, min KZT ‡	Yield, % 🗄	Maturity *
KZW100013579	NTK028_2793	KZT		253 076,2	-	2 (0)
KZMJ00000842	KQK024_084	KZT		895,5	0,4	3 (0)

Source: KASE

Investment funds' securities market

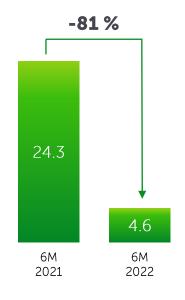


Key facts and figures

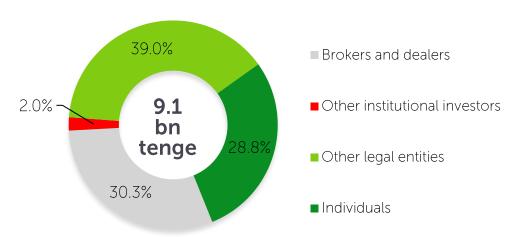
- 20 mutual investment funds managed by 7 management companies and 6 ETFs were on KASE official list
- average daily trading volume in 6M 2022 ~ 39 mln tenge (-81 % vs 6M 2021)
- average daily number of transactions in 6M 2022 ~ 65 (-23 % vs 6M 2021)
- average volume of one transaction in 6M 2022 ~ 591 th tenge (- 75 % compared to 6M2021)

Volume of transactions in securities of investment funds, bn tenge



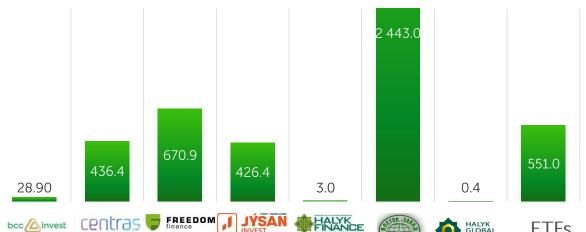


Investor structure in 6M 2022*



* of the total gross turnover of trading in investment funds

Trading volume by management company, mln tenge





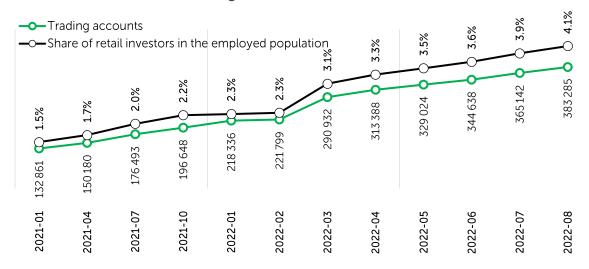


ETFs



Growth in the number of retail investors 365 th. accounts ~ 341 th. individuals

Number of trading accounts of individuals in the CSD



Top 10 most popular assets to buy among new retail investors following the results of 6M 2022



+ 158,245

+146,806

new accounts in 6M 2022

increase in accounts in 6M 2022

Individuals who have made at least one deal since the opening



Active accounts of individuals in the securities market













Trading volume, bn RUB

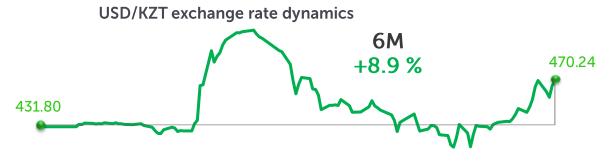




Trading volume, bn CNY







Note: USD/KZT exchange rate dynamics based on the weighted average exchange rate at the end of the trading day



Note: RUB/KZT exchange rate dynamics based on the weighted average exchange rate at the end of the trading day

Dynamics of the CNY/KZT exchange rate



Note: CNY/ KZT rate dynamics based on weighted average rate at the end of the trading day

Money market: 2-fold increase in trading volume

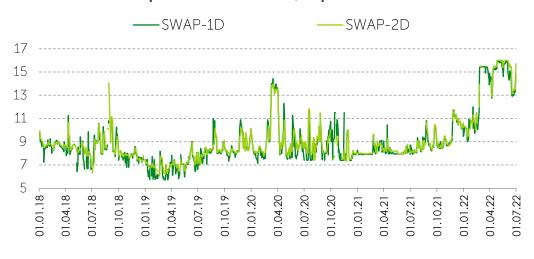
Trading volume, trln tenge



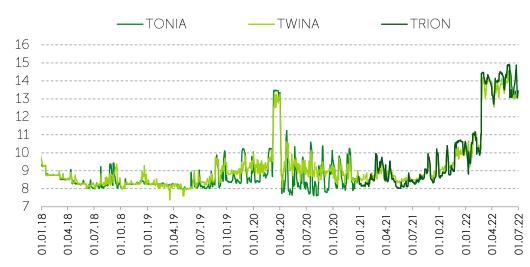
Repo market instruments, trln tenge Autorepo with GS basket Autorepo with BISP basket Autorepo with foreign GS trln tenge Autorepo with CS Autorepo with CS Nego repo with CS Nego repo with GS

K SE

Swap market indicators, % per annum



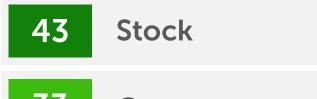
Repo indicators, % per annum



Source: KASE 2

Members of the Exchange





33 Currency

23 **Derivatives**

New members of KASE 2022:

I quarter

- Investment company Standard JSC / stock
- Subsidiary organization of Halyk Bank of Kazakhstan "Halyk Finance" JSC / currency

Il quarter

- FuroCentrAstana JSC / stock and derivatives
- UD Capital JSC / stock and derivatives

- **52** total, including:
- second-tier banks residents of the Republic of Kazakhstan
- **22** brokerage companies residents of the Republic of Kazakhstan
- local members
- foreign participants
- IFO
- participants providing direct market access (DMA) services

In 2022, suspended from trading in:

securities denominated in USD and EUR. as well as securities with settlements in USD and EUR

- repo and swap transactions
- in the foreign exchange market in US dollars and euros

It is forbidden to conduct special trading for offering of bonds of these banks in the Exchange's trading system

Subsidiary banks





CONTENTS

- Summary of results
- Key projects of KASE and events

Key projects for 2022



Instruments & Products



launch of an updated browser-based version of the IRIS Finance information product

transfer of trading by subscription to TCS ASTS+

implementation of clearing participation

Infrastructure



implementation of the surveillance system Scila Surveillance



development of the central counterparty



implementation of a new back office system

Market development



participation in the IPO



development of the KASE Global sector



increasing the liquidity of exchange markets



attraction of retail investors



development of ESG financing

attracting SMEs to the securities market





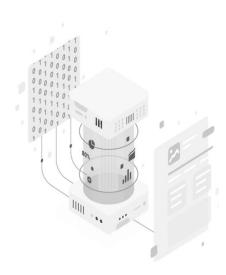




IPO on KASE: Transfer of trading by subscription to TCS ASTS+

Since June 20, 2022, updates have been introduced to the ASTS+ TCS, allowing trading by subscription

From July 1, 2022, amendments to the internal documents have been put into effect, allowing trading by subscription in the ASTS+ TCS

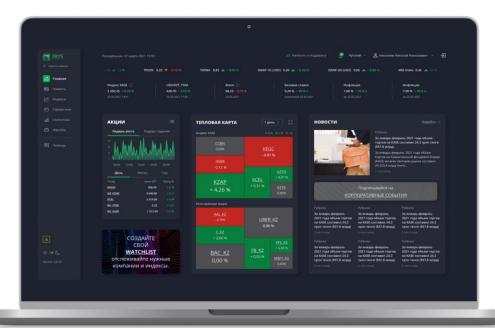


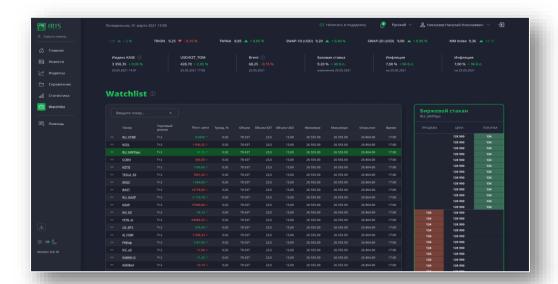
Advantages:

- a single terminal inal for trading in all financial instruments
- the ability to choose to conduct a subscription
 with or without using the services of the CCP with settlements in tenge or US dollars
- in the case of a subscription with the CCP, trades are added to the general clearing and settled on a single position with other trades
- the possibility of submitting orders through the trading system and own systems
 of the trading participant using the standard protocol for connecting to the TS of
 the Exchange ASTS Bridge
- batch entry of orders into the trading system
- flexible configuration of the parameters of the subscription by the initiator of the auction, the ability to establish:
 - upper and lower price limits
 - lot size
 - maximum and minimum order volume









In the first half of 2022, the Exchange launched an updated browser-based version of the **IRIS Finance** information product

Benefits of IRIS Finance

- ▲ Unique content including market data, news and financial markets and more
- Real time broadcasting of market data
- ▲ Order book in real time
- ▲ Watchlist for convenient viewing of financial instruments of interest
- Updated responsive interface in light and dark versions with concise widgets with the most important information

Features of IRIS Finance

- Stock indices and indicators with convenient visualization
- Tracking quotes of relevant financial instruments in real time in Watchlist
- Tracking current and historical information about transactions and orders for all exchange markets
- Saving the desired news in a separate feed of favorite news





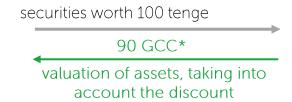
is planned to introduce General collateral certificates in August 2022

Goal: increase the money market liquidity

A General collateral certificate (GCC) is a non-issue collateralized security that is a universal collateral for repo transactions with the CCP with settlements in tenge for a period of 1, 2, 3, 7, 14, 30, 60, 90 days

Issue of GCC







GCC is issued in exchange for contributed assets to the property pool *1 GCC = 1 tenge

Collateral pool "GC Global"

- Cash (tenge and US dollars);
- Securities accepted by the Central Counterparty as collateral for transactions with partial collateral,
 with the exception of government securities.

Benefits

- Retention of ownership of the assets contributed to the collateral pool:
 the right to receive income and the right to vote
- Efficient management of collateral for a deal with the CCP:
 - online collateral replacement in the collateral pool
 - the possibility of including a wide range of securities in the collateral pool
 - the possibility of fulfilling obligations under repo with the CCP and T+ at the expense of assets contributed to the pool
- Netting of multidirectional positions in different terms, as well as the possibility of placing free liquidity without the risk of limit violations investment

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Implementation of the surveillance system Scila Surveillance

In July 2022, the surveillance system Scila Surveillance was introduced







Advantages:

- Advanced functionality for calibrating alerts (signals), their management system, compiling statistics and data visualization
- Extensive library of built-in alerts (14 blocks with 100+ built-in alerts) with the ability to copy, modify, calibrate and test them
- Simple interface and navigation system inside the supervisory system
- The alert calibration module allows you to identify AML/CFT transactions
- Scila system Surveillance is in use on: NYSE, Deutsche Börse, Athens Stock Exchange, Dubai Gold Commodities Exchange, LSE, Oslo Børs, Qatar Exchange, Stock Exchange of Thailand, Bulgarian Stock Exchange, Nodal Exchange (North America), Bulgarian Exchange, Wiener Börse

Preparation for the IPO of NC "KazMunayGas" JSC





Providing Technology

subscription module in ASTS+, which is a single terminal for trading in all financial instruments



Training and information

- comprehensive training events for retail investors: "Pro IPO: how to participate and what everyone should know", "My portfolio on KASE " and "Stock market instruments"
- full disclosure of information about the issuer and securities on KASE website



Brokers

members providing Direct Access (DMA) services









JUSAN INVEST













ESG direction



UN Initiative "Sustainable Stock Exchanges"

Today KASE is among:

- ▲ 114 partners of the UN initiative
- 63 exchanges providing methodology for ESG reporting
- ▲ 59 Exchanges Promoting ESG Criteria Through Trainings
- 71 exchanges with a dedicated SME platform

ESG products

Listing of the issue of social (gender) bonds of the Asian Development Bank in the amount of 14 billion tenge

At the moment, 7 issues of ESG bonds with a total volume of 77.4 billion tenge have been included on KASE official list for 2 years

ESG events

- ✓ KASE together with the International
 Finance Corporation (IFC)
 held the annual
 opening ceremony of Ring the Bell for Gender
 Equality, within which the conference
 "Gender Inclusion and Sustainable
 Development" was held.
- ✓ KASE, together with IFC, ARDFM and Damu, conducted a two-day training on issuing ESG bonds.
- ✓ KASE held an online conference on investment opportunities for IFOs in ESG projects of local issuers on the securities market.
- ✓ KASE held a webinar on ESG for issuers



Future plans

development of requirements for disclosure of climate factors for the Annual Reports by listed companies of a recommendatory nature, which will be effective from 2022

KASE 's entry into the national ESG club





During the Astana Finance Days session dedicated to ESG and sustainable development, the Chairperson of KASE's Management Board Alina Aldambergen signed a Memorandum on the establishment of a national ESG Club, which included 19 companies in the financial sector and various sectors of the economy.

The activities of the Club will be aimed at:

- assistance in improving the country and ESG ratings of the Republic of Kazakhstan
- ✓ implementation of national ESG standards
- ✓ attracting investors to the country's economy and companies promoting the principles of sustainable development and ESG.
- ✓ improving energy efficiency, minimizing the impact on the environment of the Republic of Kazakhstan
- ✓ improving working conditions and respect for human rights
- ✓ dissemination of best practices in the field of ESG

Events held by the Exchange in Q2 2022 (1/3)



Events for issuers

Within the framework of the "Issuer Day" project, KASE held meetings with the management of companies for investors and professional participants in the securities market:

28 April

9 June 17 June













SME financing program

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May

KASE representatives took part in the program organized by the EBRD themed "Funding Opportunities for SMEs on KASE"

23 June

KASE representatives held a round table for industrial zone companies on the topic "Funding opportunities for SME companies at KASE"









Educational events

21 ₋ 26 April May a training program for retail investors "My portfolio on KASE" was held, consisting of 6 weekly webinars with the involvement of representatives of brokerage companies





29 April

webinar "Listing on KASE" was held

2 June an offline lecture "Fundamentals of the stock market" was held for students of the Kazakh-German University

10-24 June a training program for potential issuers "Raising Funding on KASE" was held, consisting of 3 weekly webinars









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