



Bond Market in Korea and KOFIA's Role

April 2011

Korea Financial Investment Association



- I. Current status of the Korean bond markets**
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 - 2. Secondary Market : Trends in Bond Trading**
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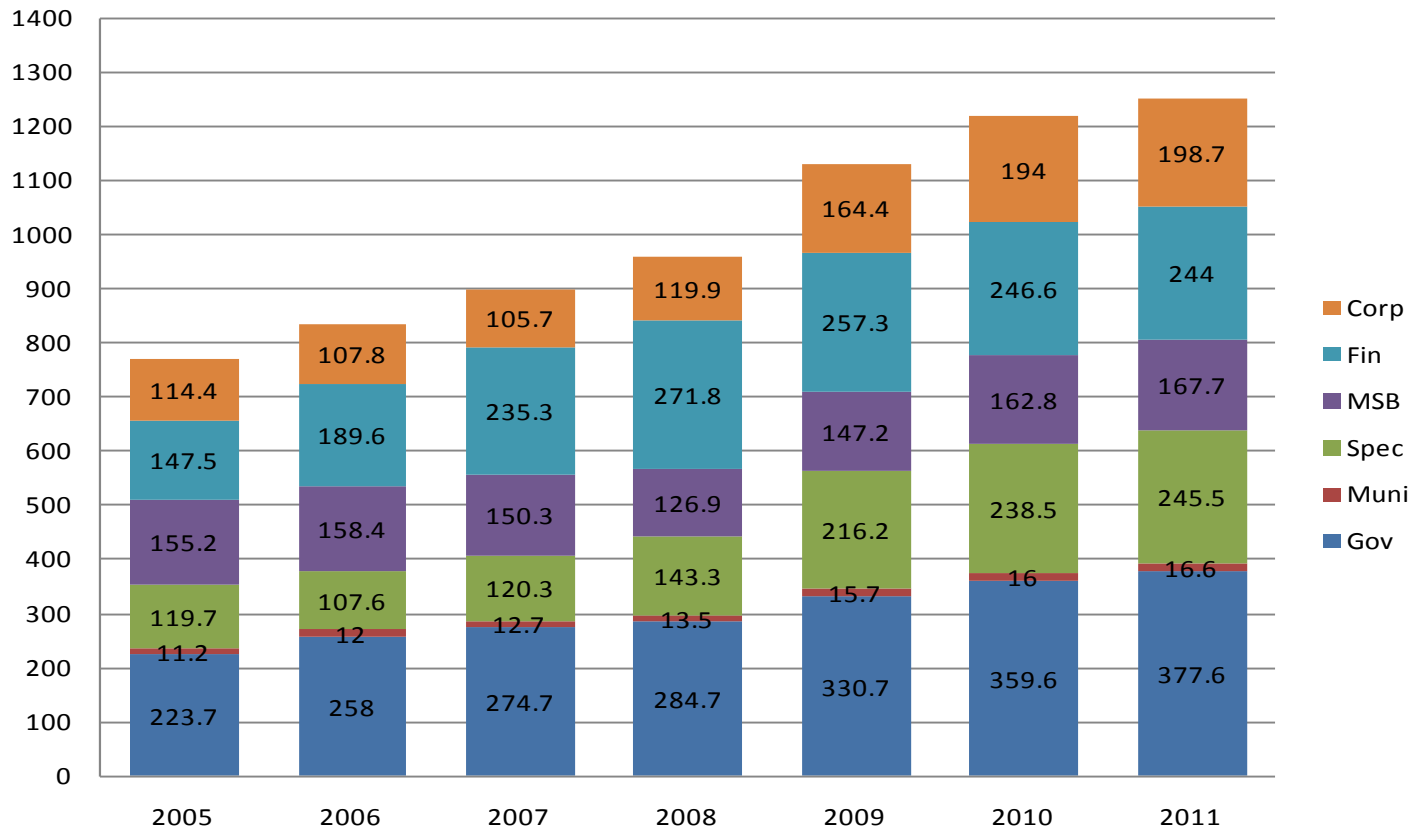
- 1. Primary Market : Bond Issuance in Korea**
- 2. Secondary Market : Trends in Bond Trading**
- 3. Foreign Investment in the Bond Market**



1. Primary Market : Bond Issuance in Korea

- ◆ As of Mar., 2011, bond outstanding amounts to KRW 1,250 Trillion(≅ 1.16 USD Tril.) with government, financial, special and corporate bonds representing 30%, 20%, 20%, and 16% respectively

< Bond Outstanding >

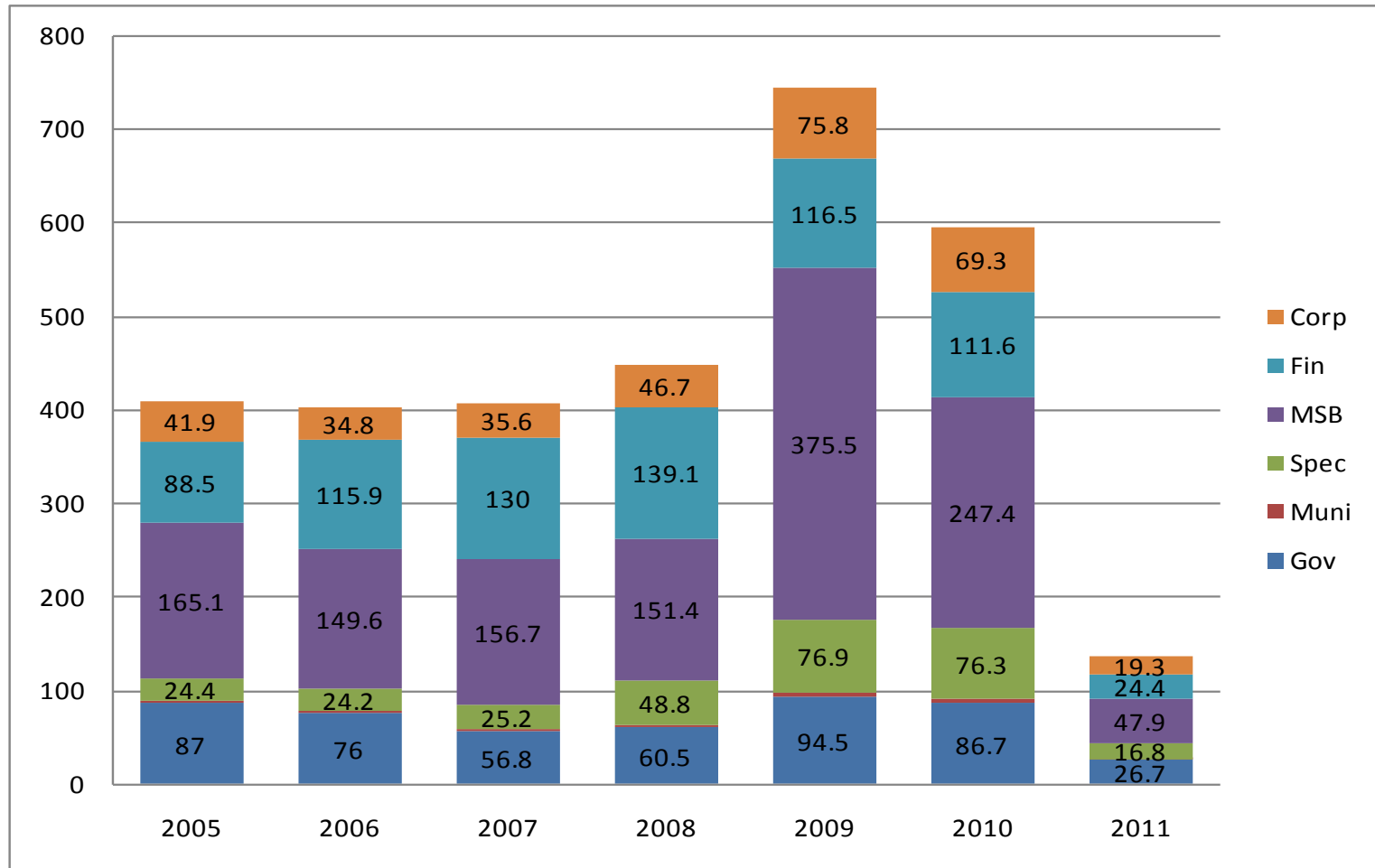


<Unit : KRW Trillion, Source : KOFIA, KOSCOM>



1. Primary Market : Bond Issuance in Korea

< Bond Issuance >



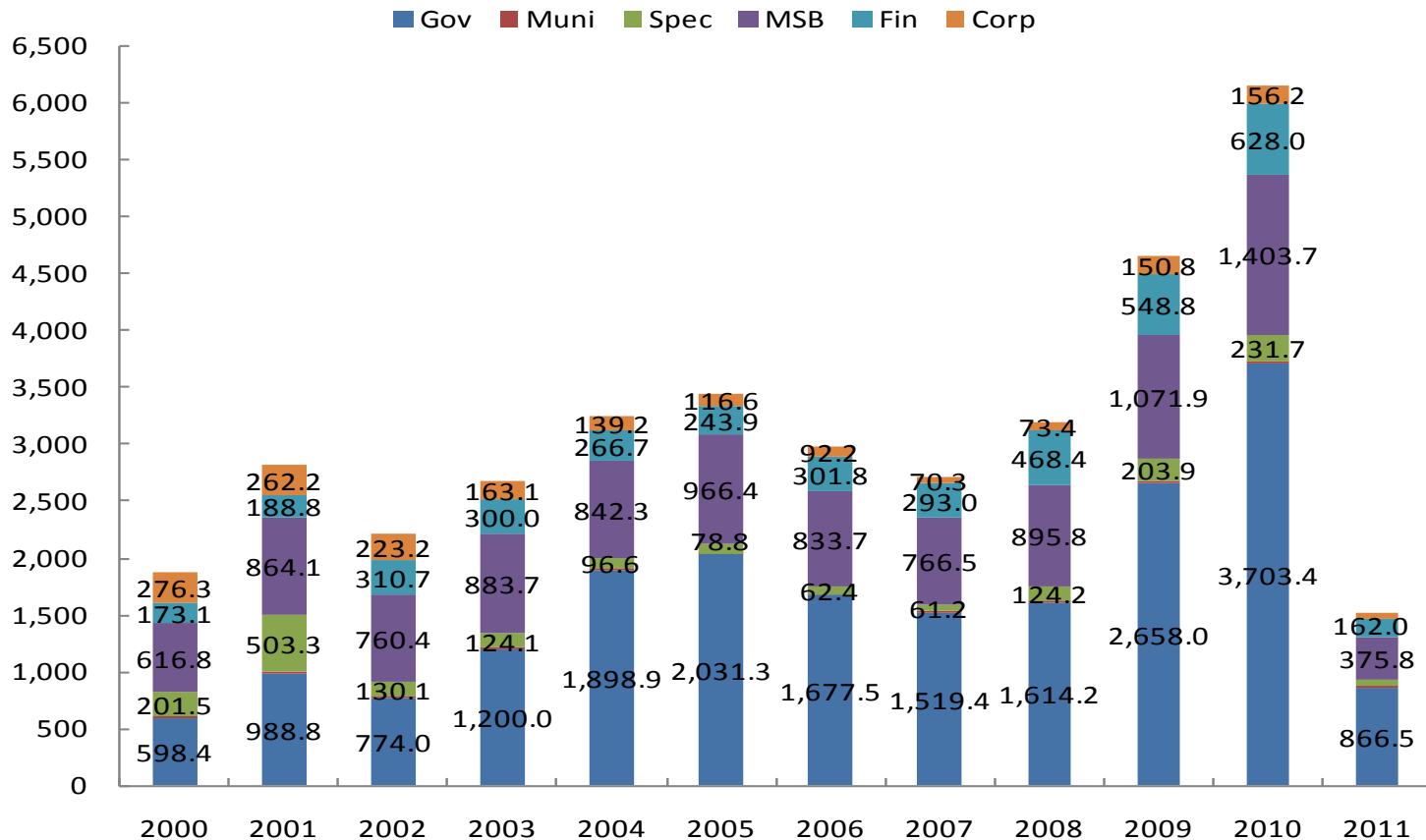
<Unit : KRW Trillion, Source : KOFIA, KOSCOM>



2. Secondary Market : Trends in Bond Trading

- ◆ In 2010, KRW 6,151 trillion(≒ 5.7 USD Trill.) worth of bonds were traded in Korean Bond Market.

< Bond Trading Volume >



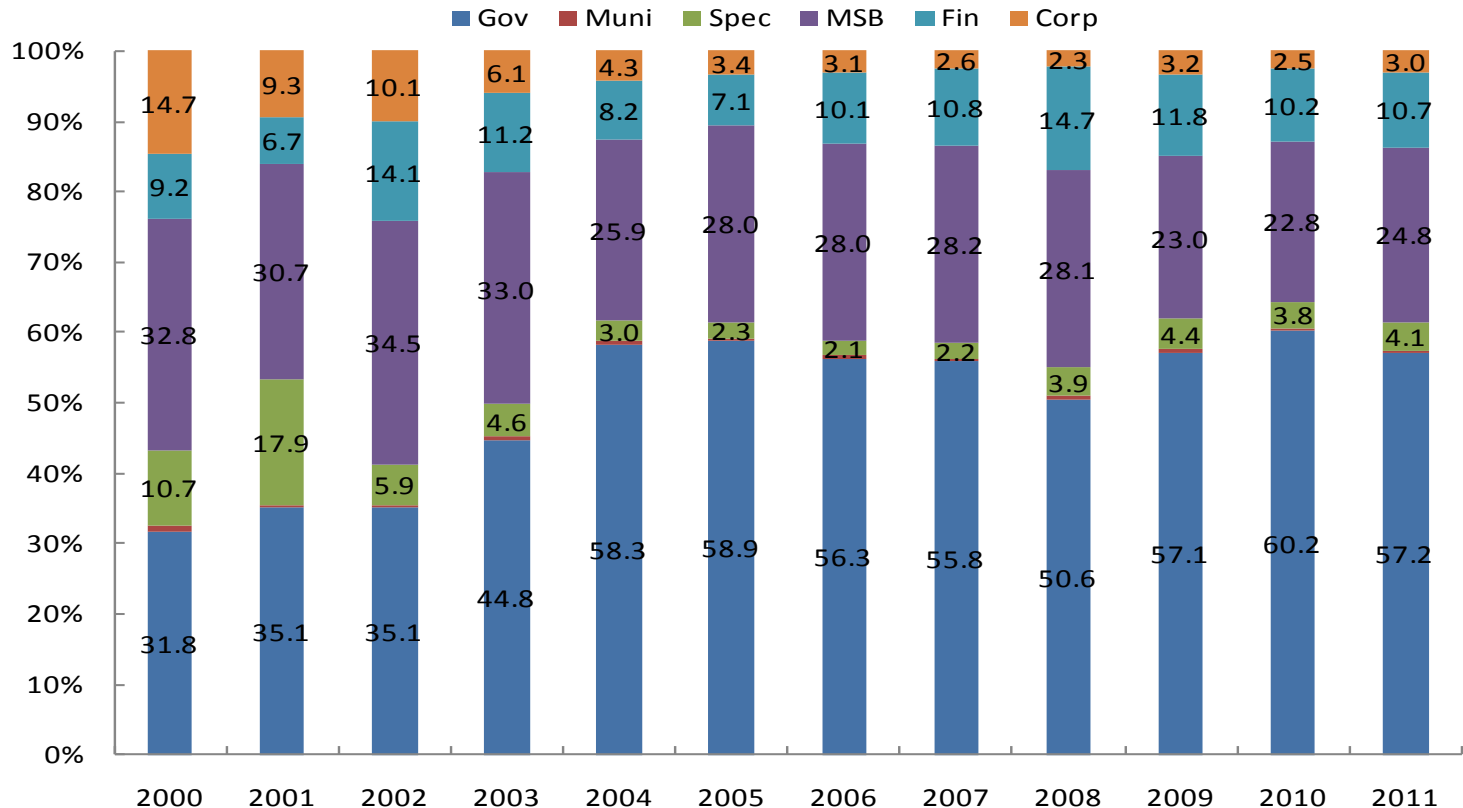
Unit : KRW Trillion, Source : KOFIA, KRX



2. Secondary Market : Trends in Bond Trading

- ◆ As of Mar. 2011, government bonds are taking the biggest share at 57.2% of the total followed by MSB, financial bonds, and as for corporate bonds, it took a meager 3.0%.

< Trading Volume Ratio >



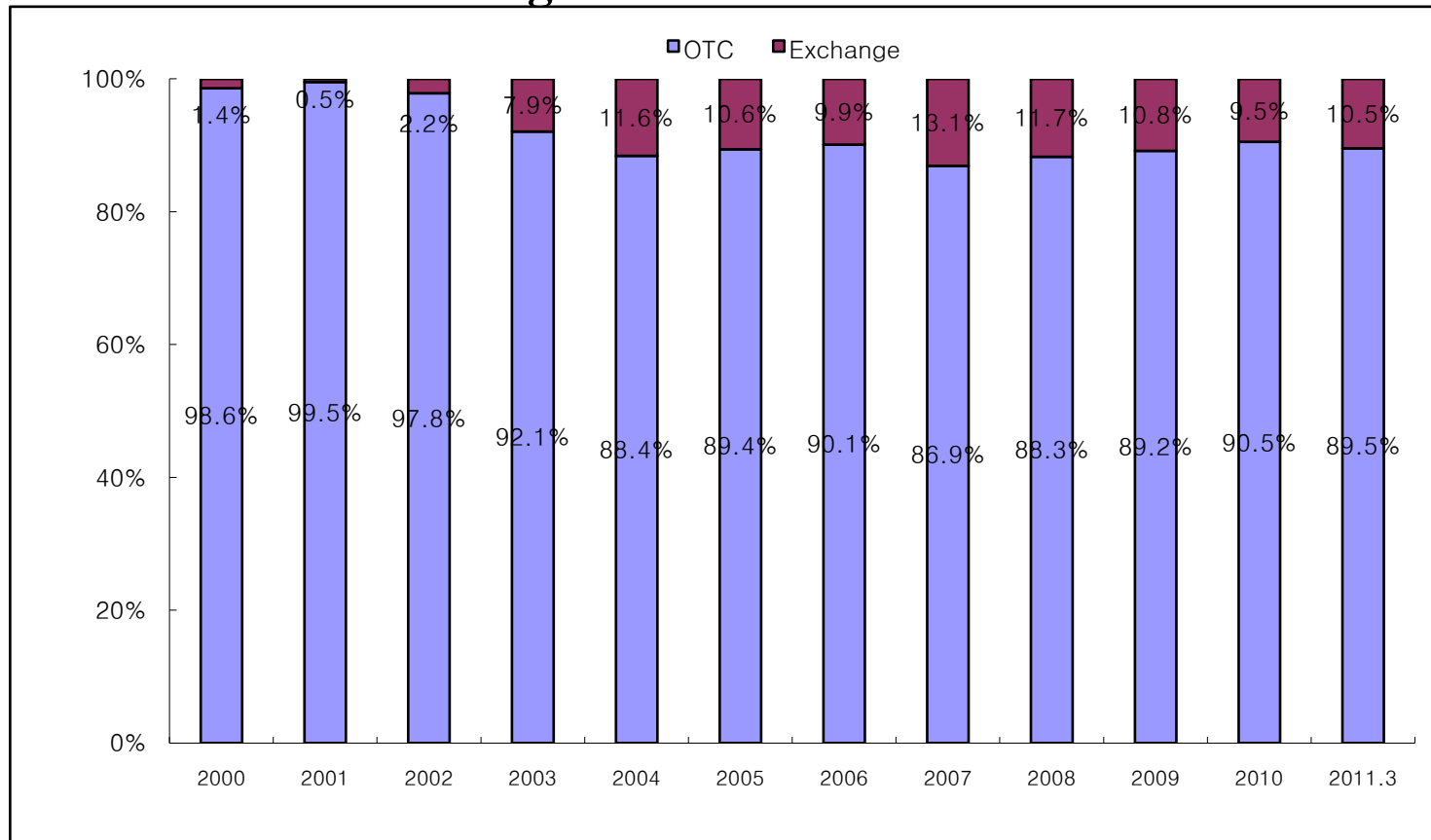
Unit : KRW Trillion, Source : KOFIA, KRX



2. Secondary Market : Trends in Bond Trading

- Most of the bonds (almost 90 %) are being traded in the OTC markets

< Trading Volume Ratio : OTC vs Ex.>



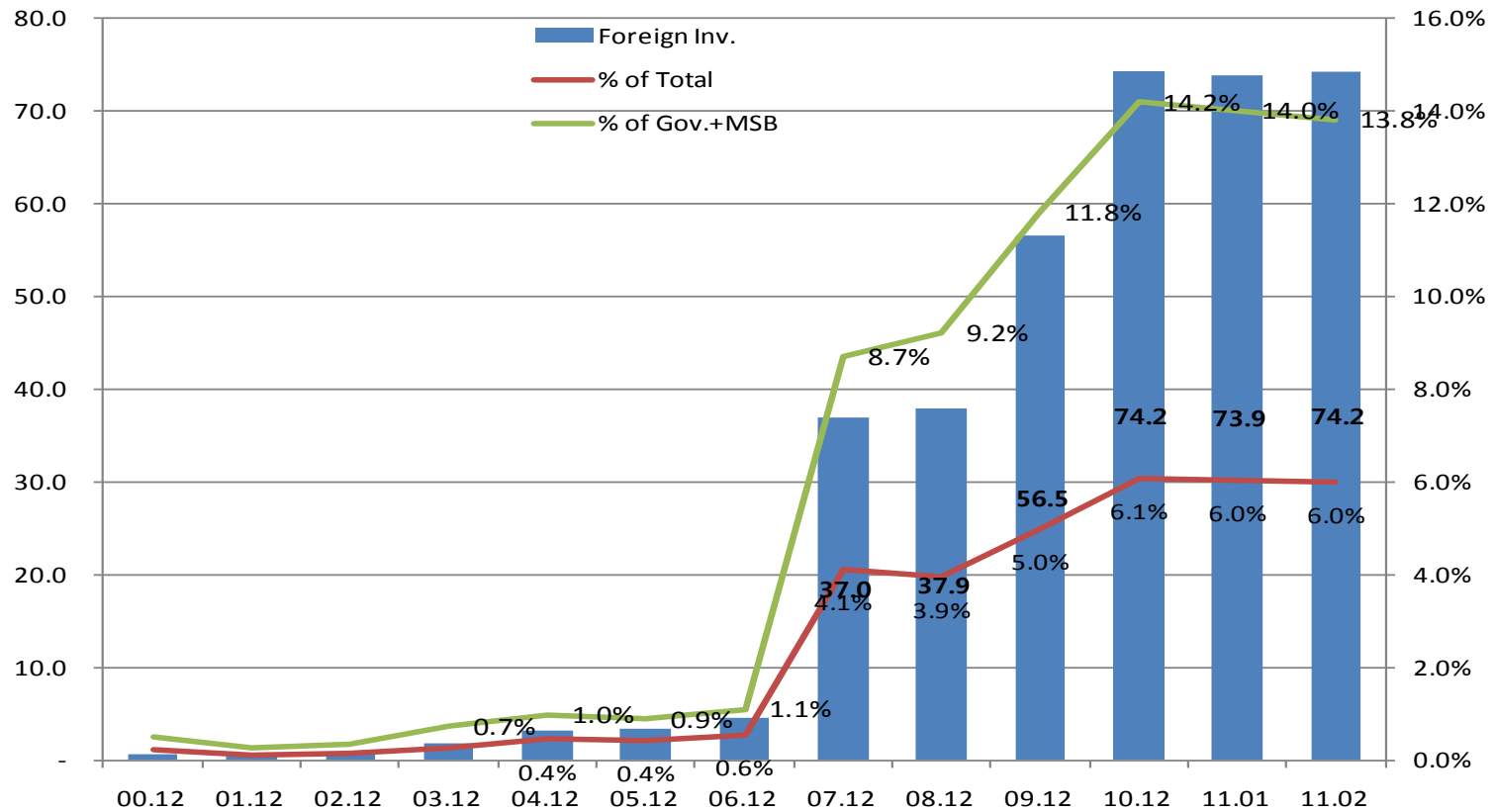
Unit : KRW Trillion, Source : KOFIA, KRX



3. Foreign Investment in the Bond Market

- Foreigners' participation in bond markets has been getting very active since 2007

< Foreigner Inv. Ratio(2000~2011.2) >



Unit : KRW Trillion, Source : Financial Supervisory Service (FSS)



< Market development history >

Dec. 1989	<ul style="list-style-type: none"> · Operation of the Council for Bond Issuance Coordinates issuance volume of corporate bonds (abolished in Oct. 1997) & special bonds (in Apr. 1998) in advance to stabilize market rates.
May. 1993	<ul style="list-style-type: none"> · Disclosure of Bond trading details in the OTC Market by KOFIA
Jul. 1993	<ul style="list-style-type: none"> · Collection and release of final quotation yields (8 types, 14 issues)
Nov. 1998	<ul style="list-style-type: none"> · Introduction of mark-to-market system, exclusively by KOFIA
Mar. 1999	<ul style="list-style-type: none"> · KTS(Electronic GB Trading System by KRX) launched
Sep. 199	<ul style="list-style-type: none"> · Disclosure of benchmark yields for settlement prices of government bond rate futures
Jul. 2000	<ul style="list-style-type: none"> · Use of mark-to-market system across the board (assigned to 3 private companies) Continues disclosure yields by bond type and time to maturity. · Improvement of Bond Information Disclosure System(B-TRIS) Real-time disclosure [within 30 min.->5 min. (July 2001) ->15 min. (Dec. '02)] of trading details



<Market development history>

Jul. 2002	· Calculation and release of CP Index
Dec. 2002	· Disclosure of benchmark yields for settlement prices of 364-d MSB rate futures
Jan. 2006	· Calculation and release of Bond Market Survey Index (BMSI)
Dec. 2007	· Centralization & Disclosure of OTC Quotations (BQS)
Feb. 2009	· Disclosure of Default & Recovery Rate
Jun. 2009	· Disclosure of Real-Time Bond Index(Treasury Bond)
Jan. 2010	· Disclosure of Real-Time MSB Index
2010	· BondMall launched (Feb.), FreeBond launched (Apr.)
Jul. 2010	· Disclosure of Real-Time Money Market Index
Dec. 2010	· Disclosure of Real-Time Credit Index
2011	· QIB(Qualified Institutional Buyer) System being investigated by Government.



- 1. Disclosure of OTC Trade Execution Details(15 Min. Rule)**
- 2. Centralization & Disclosure of OTC Quotation**
- 3. Miscellaneous Information Dissemination**




1. Disclosure of OTC Trade Execution Details(15 Min. Rule)

- ❑ Securities firms have been required to report trading details to the KOFIA **within 15 minutes after trading execution** and the KOFIA discloses this information on its website (Since Dec. 2002)
- ✓ **More than 3,500 daily disclosures on average, worth 20T ~ 25T won** in trading value.
- ✓ Function : Enhancement of transparency in OTC bond trading
- ✓ Similar to the US central trading system for **GovPX** and the system for corporate bond price transparency, the Trade Reporting And Compliance Engine(**TRACE**)



B-TRiS (Bond-Trade Report & Information Service)



Real-time Trading Information
08:54:49 PM

> Real-time Trading Summary | Daily Trading Summary

> Credit Rating
All
> Market
OTC
> Trading
All

> Time to Maturity
0 Year(s)
0 Month(s) ~
0 Year(s)
0 Month(s)

> Search Criteria
 All Volume Value
1000 KRW mil or more
Search

Comprehensive
Government
Municipal
Special
MSB
Bank
Other Financial
Corporate
ABS

■ Real-time Trading Summary (Unit: KRW 10,000)

Time	Instrument	Time to Maturity	Credit Rating	Yield	Unit Price (KRW)	Change	3 Agency Avg	Volume	
16:18:48	MONETARY STABILIZATION BOND45-721-2-26	01y10m24d		3.980	9,947	0.010	3.97	1,000,000	:
16:18:21	HANJIN HEAVY INDUSTRIAL121	02y10m26d	A0	6.500	9,899	0.240	6.26	232,848	:
16:15:29	KOREA TREASURY BOND0475-1403	04y08m08d		4.590	10,213	0.030	4.56	1,000,000	↓
16:15:24	KOREA TREASURY BOND0475-1403	04y08m08d		4.590	10,213	0.030	4.56	1,000,000	↓
16:14:58	INDUSTRIAL BANK OF KOREA(S)0901DIS185A-30	00y01m01d	AAA	2.170	9,981	-	2.17	1,000,000	:
16:14:40	TREASURY BOND0500-1609	07y02m08d		4.960	10,178	-0.030	4.99	130,000	-
16:14:36	INDUSTRIAL BANK OF KOREA(S)0901DIS185A-30	00y01m01d	AAA	2.170	9,981	-	2.17	1,000,000	:
16:14:07	MONETARY STABILIZATION BONDDC09-0713-0280	00y00m11d		1.910	9,994	-	1.91	1,010,000	↓
16:13:51	MONETARY STABILIZATION BONDDC09-0713-0280	00y00m11d		1.910	9,994	-	1.91	1,010,000	↓
16:13:36	KOREA TREASURY BOND0575-1809	09y02m08d		5.040	10,695	-0.040	5.08	1,000,000	↓
16:13:18	MONETARY STABILIZATION BOND43-729-2-25	00y00m23d		1.920	10,124	-	1.92	1,000,000	↓
16:13:02	MONETARY STABILIZATION BOND43-729-2-25	00y00m23d		1.920	10,124	-	1.92	1,000,000	↓
16:12:59	TREASURY BOND0550-1709	08y02m08d		5.060	10,461	-0.030	5.09	1,000,000	↓
16:12:59	TREASURY BOND0550-1709	08y02m08d		5.060	10,462	-0.030	5.09	1,000,000	↓
16:12:50	KOREA TREASURY BOND0575-1809	09y02m08d		5.040	10,695	-0.040	5.08	1,000,000	↓
16:12:15	NACF-19 ABS SPECIALTY1-3	01y06m00d	AAA	5.050	10,025	5.050	0.00	200,000	:
16:11:32	WOORI BANK11-04COUP3@-23	00y09m21d	AA+	3.080	10,271	-0.020	3.10	1,000,000	↓
16:10:02	KOREA TREASURY BOND0475-1403	04y08m08d		4.540	10,234	-0.020	4.56	1,000,000	↓
16:08:17	TREASURY BOND0475-1309	04y02m15d		4.350	10,289	-0.290	4.64	100,000	-



2. Centralization & Disclosure of OTC Quotations

- ◆ KOFIA launched the BQS, an OTC Bond Quotation System that collects and disseminates all of the data pertaining to quote information on OTC trading. (Since Dec. 2002)

OTC(KOFIA) Quote Information > Price by Instrument

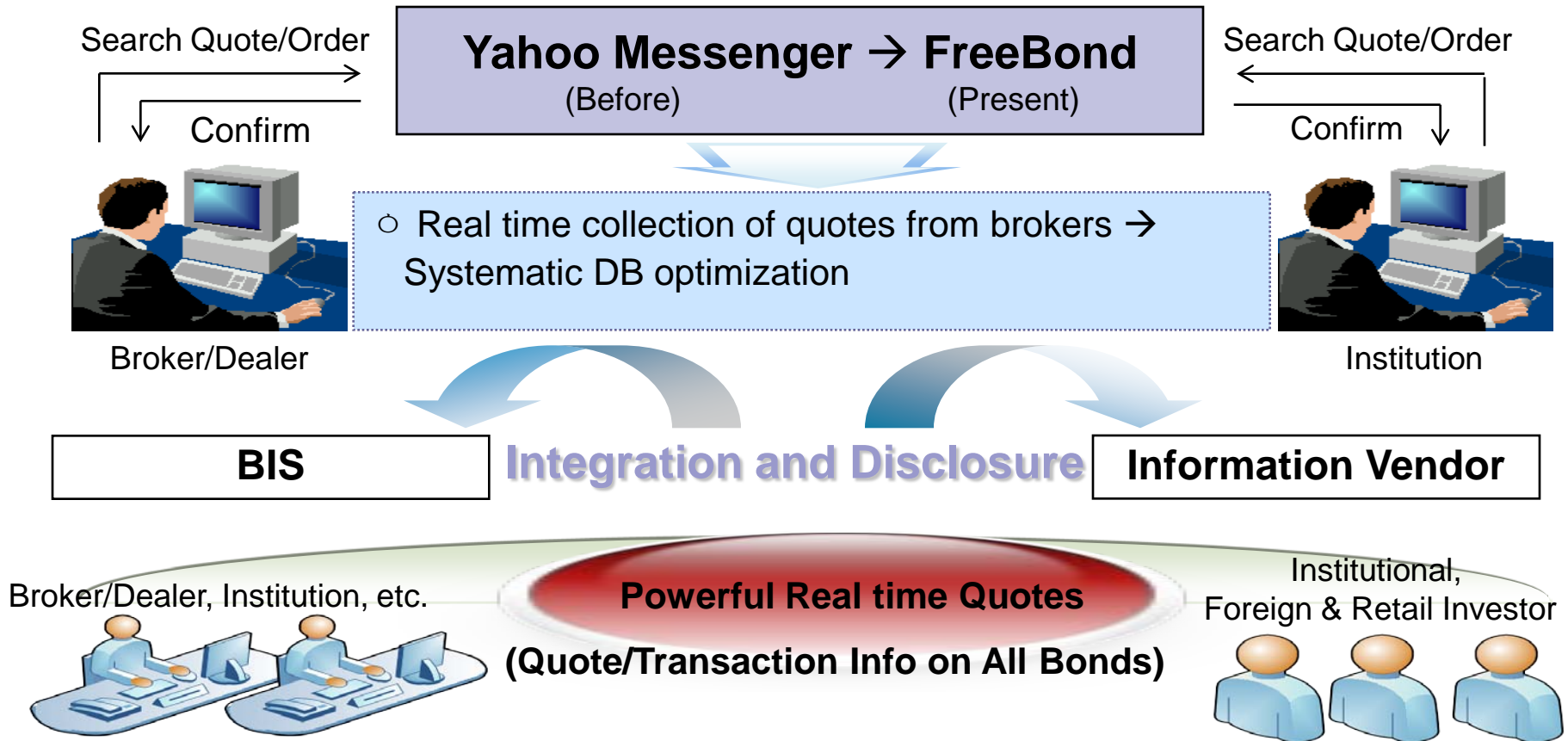
Kind Treasury					Kind MSB				
Instrument	Bid	Ask	STTL	Time	Instrument	Bid	Ask	STTL	Time
KNHB (1)09-09		4,070		10:14	MONETARY STABILIZ	2,330			14:05
KTB 500-1103(06-2)	2,560	2,560	2,560	09:52	MONETARY STABILIZ		2,470		14:02
KTB 0475-1109(06-4)	2,850	2,850	2,880	14:00	MONETARY STABILIZ		2,680	2,680	13:53
KTB0475-1112(08-6)	2,950	2,950	2,950	14:00	MONETARY STABILIZ		2,490		13:31
KNHB (1)10-09	4,070	4,080	4,070	14:12	MONETARY STABILIZ		2,520		13:30
KTB 0475-1203(07-1)	3,090			14:04	MONETARY STABILIZ		2,680	2,680	13:30
KTB 400-1206(09-2)	3,200	3,210	3,210	14:13	MONETARY STABILIZ			2,540	13:17
KTB 475-1403(09-1)	3,730	3,750	3,730	14:13	MONETARY STABILIZ			2,320	10:46
KTB0575-1809(08-5)	4,180	4,190	4,190	14:13	MONETARY STABILIZ	2,260	2,300	2,260	10:37
KTB 0375-1306(10-2)	3,410	3,420	3,410	14:13	MONETARY STABILIZ		2,820		10:34
KTB 500-1409(09-3)	3,830	3,835	3,835	14:13	MONETARY STABILIZ	2,870			13:41
KTB0500-2006(10-3)	4,220	4,225	4,230	14:13	MONETARY STABILIZ	2,880	2,890	2,880	13:46
KTB0400-1509(10-5)	3,830	3,850	3,830	14:13	MONETARY STABILIZ	2,980	2,980	2,980	14:00
KTB 0450-1503(10-1)	3,860	3,865	3,860	14:13	MONETARY STABILIZ	3,090	3,100	3,100	14:11
KTB0425-1212(09-4)	3,325	3,325	3,320	14:13	MONETARY STABILIZ	3,250	3,260	3,260	14:11

Kind Corporate					Kind Financial				
Instrument	Bid	Ask	STTL	Time	Instrument	Bid	Ask	STTL	Time
KAL26-2	3,920	3,920	3,920	13:55	KDB(KOFC)08(N)COU	2,590			14:02
KIA MOTORS277-2	4,520			13:31	WOORI BANK14-07CO	3,270			14:04
DONGKUK STL MILL7	3,900			13:10	KOR EX BK32-12DIS1C	2,510			13:59
GS10	3,710			13:10	KOR EX BK32-12DIS1C	2,530			13:52
POSCO292		4,010	4,010	10:22	KOOKMIN3009DISDAY	3,150		3,150	14:06

III. Enhancing Transparency and Efficiency



Centralization & Disclosure of OTC Quotations



- ▶ Regulations to be finalized by the 1st half-2007; required systems in place by Oct. 2007
- ▶ Pilot operation of quote centralization system in Oct. & across the board implementation in Dec. 2007



3. Miscellaneous Information Dissemination

- a. Calculation and Disclosure of Bond Yields**
- b. Disclosure of Specialized Bond Dealer Quotations**
- c. Bond Market Indices**
- d. Benchmark Yields for Final Settlement Price of Interest Rate Futures**
- e. Bond Information Service(BIS)**



3. Miscellaneous Information Dissemination

a. Calculation and Disclosure of Bond Yields

- Discloses yields for 425 issues**, including final quotation yields for **1, 3, 5, 10 and 20 year treasury bonds, twice a day (11:30 & 15:30)**
- ✓ **Final quotation yields** for a specific time to maturity: 8 types 14 issues
- ✓ Final quotation yields by time to maturity: 4 types 46 issues
- ✓ **Mark-to-market base yields**: 13 types 370 issues



Final Quotation Yields : Yields for Specific Time Maturity

> Date

(Unit: %)

Instrument	Time to Maturity	Final Quotation Yields						
		Search Date		Change	Previous	Spread	Year High	Year Low
		11:30	15:30					
KTB 1y	10m ~ 1y	2.89	-	-	2.89	-	3.50	2.63
KTB 3y	2y6m ~ 3y	3.42	-	-0.01	3.43	-	4.44	3.35
KTB 5y	4y6m ~ 5y	3.86	-	-0.01	3.87	-	4.98	3.82
KTB10y	9y ~ 10y	4.22	-	-0.02	4.24	-	5.43	4.21
KTB 20y	18y ~ 20y	4.45	-	-0.01	4.46	-	5.65	4.46
NHB1 5y	4y6m ~ 5y1m	4.08	-	-0.01	4.09	0.22	5.45	4.06
MSB 91d	85d ~ 91d	2.44	-	-	2.44	0.01	2.65	2.11
MSB 364d	364d	2.91	-	-	2.91	0.02	3.54	2.66
MSB 2y	1y9m ~ 2y	3.37	-	-	3.37	0.12	4.49	3.32
KEPCO 3y	2y9m ~ 3y	3.94	-	-0.01	3.95	0.52	5.11	3.90
KDB 1y	10m ~ 1y1m	3.17	-	-	3.17	0.28	4.01	2.90
Corp 3y-non AA-	2y9m ~ 3y	4.36	-	-0.01	4.37	0.94	5.56	4.32
Corp 3y-non BBB-	2y9m ~ 3y	10.30	-	-0.01	10.31	6.88	11.61	10.27
CD 91d	91d	2.66	-	-	2.66	0.23	2.88	2.45
CP 91d	85d ~ 91d	2.79	-	-	2.79	0.36	3.10	2.61

> CDs are those issued by commercial banks with a credit rating of AAA, and CPs are those issued by issuers with an A1 rating.
 > Spreads are calculated using the KTB that has the same time to maturity.
 > For 3-y Corporate Bonds, the base bond changed from the bank guarantee (Jul 1, 1993-Mar 15, 1998), to guarantee insurance (Mar 16 -Aug 31, 1998), to non-guaranteed A+ (Sep 1, 1998-Sep 30, 2000), to non-guaranteed AA- and BBB- (Oct 2, 2000-present).



Final Quotation Yields : Yields by Time to Maturity

> Date > Search

(Unit, %)

Instrument	Category	3m	6m	9m	1y	1y6m	2y	2y6m	3y	5y	10y	20y	
KTB	Previous	2.43	2.66	2.83	2.89	3.08	3.26	3.34	3.43	3.87	4.24	4.46	
	Search Date	11:30	2.43	2.66	2.83	2.89	3.07	3.25	3.34	3.42	3.86	4.22	4.45
		15:30	No Data										
	* Change	-	-	-	-	-0.01	-0.01	-	-0.01	-0.01	-0.02	-0.01	
KEPCO	Previous	2.53	2.79	3.05	3.15	3.42	3.59	3.78	3.95	4.33	-	-	
	Search Date	11:30	2.53	2.79	3.05	3.15	3.42	3.59	3.78	3.94	4.33	-	-
		15:30	No Data										
	* Change	-	-	-	-	-	-	-	-0.01	-	-	-	
KDB	Previous	2.51	2.80	3.02	3.17	3.47	3.60	3.74	3.89	4.37	-	-	
	Search Date	11:30	2.51	2.80	3.02	3.17	3.47	3.59	3.74	3.89	4.37	-	-
		15:30	No Data										
	* Change	-	-	-	-	-	-0.01	-	-	-	-	-	
Corp A,A-	Previous	2.91	3.11	3.39	3.46	3.75	3.98	4.20	4.37	5.04	-	-	
	Search Date	11:30	2.91	3.11	3.39	3.46	3.75	3.98	4.20	4.36	5.04	-	-
		15:30	No Data										
	* Change	-	-	-	-	-	-	-	-	-0.01	-	-	
Corp BBB-	Previous	4.97	5.83	6.60	7.02	8.20	9.02	9.80	10.31	11.16	-	-	
	Search Date	11:30	4.97	5.83	6.60	7.01	8.19	9.02	9.80	10.30	11.15	-	-
		15:30	No Data										
	* Change	-	-	-	-0.01	-0.01	-	-	-0.01	-0.01	-	-	

> Day's Change is the difference between the recently disclosed price and the previous day's price disclosed at 15:30.



3. Miscellaneous Information Dissemination

b. Disclosure of Specialized Bond Dealer Quotations

- Specialized Bond Dealers were introduced in July 2000 to increase liquidity in the OTC market through market-making by each bond type.
- ✓ A total of **19 Primary Dealers (13 securities firms & 6 banks)** disclose their buy/sell quotations on the KOFIA website.
- ✓ The KOFIA receives daily quotations from SBDs and discloses them on the website and on other online terminals



Specialized Bond Dealer Quotations

Specialized Bond Dealer Quotations

Search Date From To

By Dealer By Amount

By Time to Maturity By Instrument

*'Sell/Buy' is based on Dealers' Side. *Maximum search period is 30 days (Unit: KRW 100mil, %)

Date	Dealer	Investment Amount	Instrument	Yield			Volume		Hi
				Sell	Buy	Spread	Sell	Buy	
Sep 16,2010	Daewoo	Large	DOOSAN276-2	3.71	4.11	0.40	10	10	
Sep 16,2010	Daewoo	Large	HANJIN HEAVY INDUSTRI-AL126	5.40	5.80	0.40	10	10	
Sep 16,2010	Daewoo	Large	HYNIX SEMICONDUCTOR209	6.05	6.45	0.40	10	10	
Sep 16,2010	Daewoo	Large	KANGWON PROVINCIAL DEVELOPMENT06-08	3.08	3.48	0.40	10	10	
Sep 16,2010	Daewoo	Large	KOREA DEVELOPMENT FIN-ANCING404	5.80	6.20	0.40	52	10	



3. Miscellaneous Information Dissemination

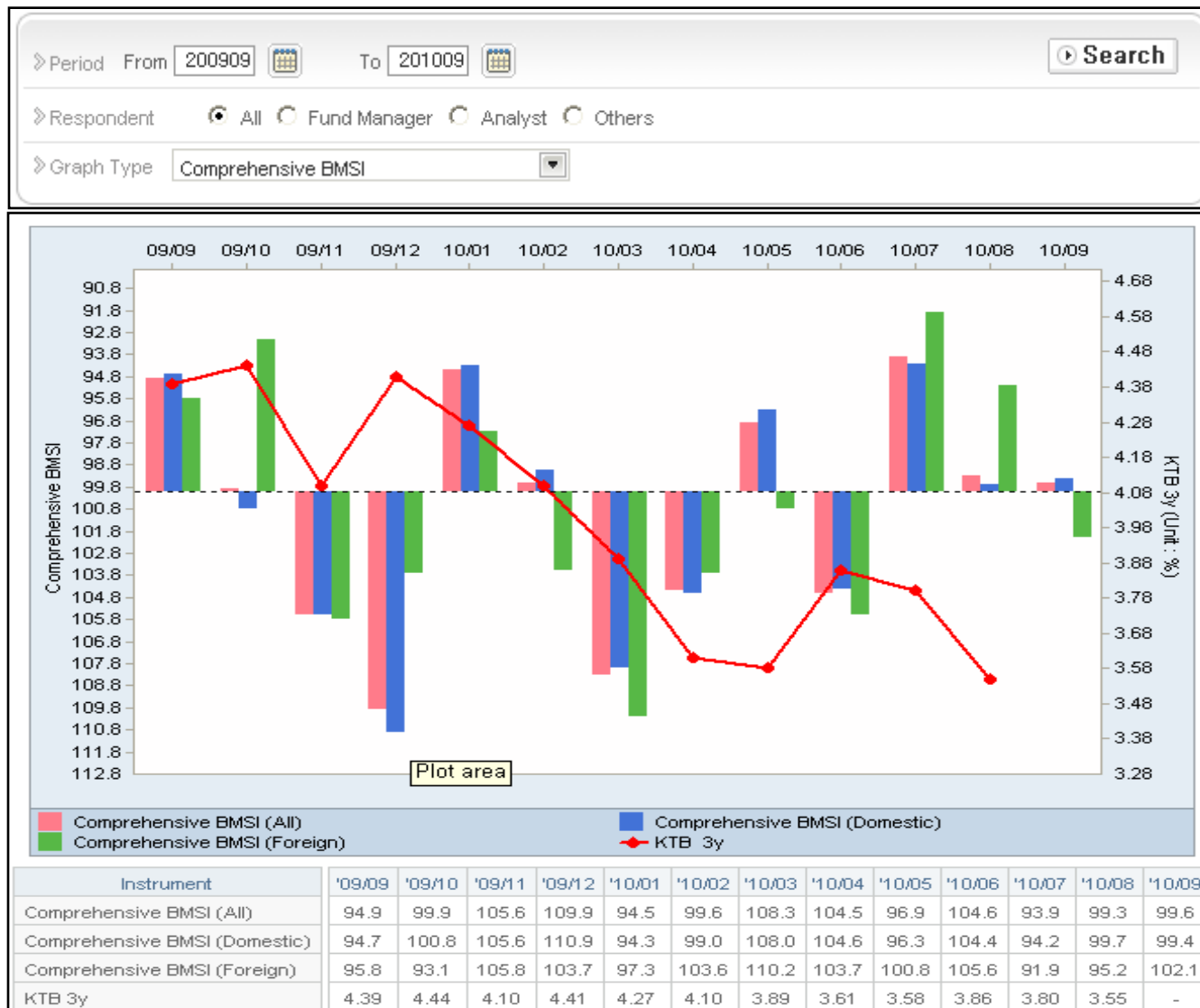
c. Bond Market Survey Indices

- ❑ This Indices serve as warnings to detect potential risks in the bond market, thereby enabling market participants to systematically forecast market movements, credit risks, etc.
- ✓ quantified from the market forecasts of an opinion leader group comprising mainly of bond market insiders who are surveyed once a month.

Index	Relevant Risks	Expected Effects	
BMSI	Interest rate risks	Predicts market direction	Strengthens bond market's self-correcting and risk-managing capabilities
HHI	Credit risks	Distributes fund according to credit premium changes	
MCRI			

III. Enhancing Transparency and Efficiency

□ Bond Market Indices : BMSI





3. Miscellaneous Information Dissemination

d. Benchmark Yields for Final Settlement Price of Interest Rate Futures

- ❑ Calculates and discloses benchmark yields that are to be used for final settlement prices of 3 interest rate futures listed on KRX.
- ✓ **3- & 5-year treasury bonds (18 co.), 364-day MSBs (15 co.)**
- ✓ **Disclosure Frequency : Twice a day (11:30 & 15:30).**
- ✓ **five times on futures' final trading day (10:00, 10:30, 11:00, 11:30 and 15:00)**



❑ Benchmark Yields for Final Settlement Price of Interest Rate Futures

home > Bond Interest Rates > Benchmark Yields for Interest Rate Futures > Benchmark Yields for Final Settlement Price of KTB Futures

● Benchmark Yields for Final Settlement Price of KTB Futures

> Date

(Unit: %)

Base Bond	Search Date		Change	Previous
	11:30	15:30		
KTBO500-1103	4.841	4.830	0.003	4.827
KTBO475-0906	4.803	4.782	-0.015	4.797
KTBO475-1109	4.829	4.820	0.009	4.811
KTBO475-0912	4.770	4.750	-0.012	4.762



3. Miscellaneous Information Dissemination

e. Bond Information Service (BIS)

- ❑ **Maintains a wide range of bond market information**, thereby enabling access for market participants, makes trading more efficient, and thus facilitates efficient pricing. (<http://www.kofiabond.or.kr>)
- ✓ Promotes efficient pricing in the bond markets
- ✓ Helps monitor abnormal OTC bond trading, Quotations
- ✓ Strengthens links with the interest rate futures market
- ✓ Increases convenience for members' reporting

□ BIS on KOFIA's website(www.kofiabond.or.kr)

KOFIA BIS
BOND INFORMATION SERVICE

BQS Bond Quotation System

SEARCH

Welcome to Korea Financial Investment Association

Bond Interest Rates | Primary Market | Secondary Market | Bond Market Indices | Mark-to-Market Valuation | Bulletin Board

BOND FAQ MORE

- What is Final Quotation Yield?
- What is Yield by Time to Maturity?
- What is Representative Yield?
- What is Real-time OTC Bond Trading Disclosure System?

BOND GRAPH

KTB 3y | KTB 5y | MSB 1y | MSB 2y | Corporate | CD

4.23
3.92
3.61
3.30

4/13 4/21 4/29 5/11 5/19 5/27 6/04 6/12 6/22 6/30

Final Quotation Yields MORE

Instrument	Previous	15:30	Change
KTB 1y	2.93	2.91	▼ 0.02
KTB 3y	4.08	4.06	▼ 0.02
KTB 5y	4.56	4.53	▼ 0.03
KTB10y	5.08	5.05	▼ 0.03
KTB 20y	5.33	5.30	▼ 0.03

Foreign Interest Rate

Instrument	Closing price	Change
T-Note 3y	1.5462	▼ 4.5300
T-Note 5y	2.5128	▼ 1.7000
T-Note 10y	3.5356	▲ 0.0800
JGB 3y	0.3892	▲ 7.5700
JGB 5y	0.6750	▲ 2.7900
JGB 10y	1.3487	▼ 0.9300

Bond Indices CP Indices

Date	Time to Maturity
2009.07.01	6months ~ 5y
Government	Corporate
217.39	240.64
Government + Corporate	
228.05	

Real-time Trading MORE

08 26 09

Total	Government	Municipal	Special	MSB
	Financial	Other Financial	Corporate	ABS
Time	Instrument	Yield	Volume (KRW mil)	Category
18:56	BUSAN SUBWAY Y09-07	5.45	225	Buy
18:36	KWANGJU PROVINCIAL DEVELOPMENT 09-07	5.45	159	Buy
	SEOUL METROPOLITAN CITY S			

KTB Futures

Instrument	Previous	Current price	Change
KTB3 F 0909	109.73	109.84	▲ 0.11
MSB 0909	0.00	-	-
KTB5 F 0909	0.00	-	-
KTB10 F 0909	0.00	-	-
KTB3 0909-0912	0.00	-	-

Major Exchange Rate

Country	Exchange rate	Change
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1. FreeBond (Bond Trading Support System)

□ **(Background)** Replace the current trading method of private messenger in the bond OTC market with a formalized bond trading system, thereby advancing the Korean bond market

※ *Reformation of Bond Trading Market*(Oct. 6, 2009, FSC)

□ **(Definition)** A system run by KOFIA which enables financial investment firms and major market practitioners to search bid/ask prices for trading and intermediation in the OTC bond market and supports trading negotiation with trading counterparts



1. FreeBond (Bond Trading Support System)

- ❑ **(Strengths)** convenience, specialization only for bond trading professionals, security, stability
- ❑ **(Components)** Consists of two : Trading-Board(T-Board), messenger
- ❑ **(Main Functions)**
 - ✓ T-Board : searching bid prices, ordering, negotiation, confirming trade, providing real-time information on bid prices and analyses
 - ✓ Messenger : 1:N chatting, storing and using chatting frame lay-out, chatting room service

IV. Bond Market Infrastructure

- FreeBond Components
- ① Trading Board, ② Messenger ③ Chatting Room

1

1101. Quote Information[R]

Date	Time	Name	Mat.Date	Type	Yield	Price	RealT
11-04-18	16:01:48	KTB0400-1603(11-1)	16-03-10	Confirm			
11-04-18	16:07:41	KTB0400-1603(11-1)	16-03-10	Bid			
11-04-18	15:58:58	KTB0400-1603(11-1)	16-03-10	Confirm			
11-04-18	15:53:52	KTB0300-1312(10-6)	13-12-10	Bid			
11-04-18	15:53:37	KTB0575-1809(08-5)	18-09-10	Confirm			
11-04-18	15:53:32	KTB0300-1312(10-6)	13-12-10	Bid			
11-04-18	15:52:03	KTB0400-1603(11-1)	16-03-10	Bid			
11-04-18	15:52:03	KTB0300-1312(10-6)	13-12-10	Bid			
11-04-18	15:51:54	KTB0300-1312(10-6)	13-12-10	Confirm			
11-04-18	15:49:07	KTB0400-1509(10-5)	15-09-10	Confirm			
11-04-18	15:47:48	KTB0400-1603(11-1)	16-03-10	Confirm			

1107. Transaction Data(Daily)

Data	Name	Ask					Bid					Trade			
		Avg	Open	Low	High	Close	Avg	Open	Low	High	Close	Avg	Open	Low	High
11-04-18	MONETARY STABILIZDC11-0719-0910											3.300	3.300	3.300	3.300
11-04-18	KOREA HYDRO & NUCLE27-1	4.340	4.340	4.340	4.340	4.340									
11-04-18	MONETARY STABILIZ0374-1210-0150	3.706	3.690	3.690	3.710	3.710	3.720	3.720	3.720	3.720	3.720	3.710	3.710	3.710	3.710
11-04-18	SC FIRST BANK11-04-DIS01-11	3.705	3.700	3.700	3.710	3.710									
11-04-18	MONETARY STABILIZ0362-1204-01	3.595	3.570	3.570	3.620	3.620	3.590	3.590	3.590	3.590	3.590				
11-04-18	MONETARY STABILIZDC11-0712-0910	3.260	3.260	3.260	3.260	3.260					3.273	3.260	3.260		
11-04-18	KNHB (1)11-04	4.223	4.210	4.210	4.240	4.230	4.234	4.240	4.230	4.240	4.230	4.230	4.230	4.230	4.230
11-04-18	KTB0400-1603(11-1)	4.053	4.050	4.040	4.070	4.050	4.058	4.060	4.040	4.070	4.055	4.054	4.055	4.040	4.070

FB Messenger

- Yoon C...
- Wan - 메신저창 layout
- Chat
- Type some contact information(name or pho
- Basic group (12/35)
- 100519 설명회 (2/6)
- 100622 호가보고자회의 (3/12)
- 3중점 테스트1 (2/6)
- IBK투자증권 (1/2)
- KB자산운용 (1/2)
- KTB자산운용 (0/3)
- PCA자산운용 (1/2)
- PD사 수익률 제홍1 (2/11)
- SK증권 (1/1)
- 공무원연금관리공단 (3/5)
 - Han, Chang Seok
 - KIM, YOO JIIN(공무원연금공단)
 - leekihak
 - park chang su
 - Parkchongchul
- 교보증권 (0/1)
- 그린손해보험 (0/1)
- 농협중앙회 (1/4)
- 동부화재 (0/1)
- 동양증권증권 (1/6)
- 동양투자증권 (0/2)
- 미리다스캐셋자산운용 (0/2)
- 메리츠자산운용 (0/2)
- 미래에셋캐셋자산운용 (0/4)
- 미래에셋증권 (1/5)
- 부국증권 (0/4)
- 삼성자산운용 (2/3)
- 수협중앙회 (0/3)
- 신영자산운용 (0/3)
- 신영증권 (1/4)
- 신한금융투자 (2/3)
- 신한은행 (2/3)
- 실무협의회 (5/8)

IV. Bond Market Infrastructure



FreeBond Components

1:N Chatting Frame

FB Messenger
이윤희 - 2003-9122
사용자검색 1:N 대화 사용자설정

사용자 대화방 쪽지함

이름/전화번호 입력

- 이한구
- 관리자
- 테스트10
- 가 실무테스트 (2/13)
- 야후_금리선물1 (0/2)
 - 김선경
 - 김수연
- 야후_언론1 (0/0)
- 야후_최종호가1 (0/1)
 - 장중희
- 야후_호가집중1 (5/21)
 - 한투 권오영
 - 금준섭
 - 김가원
 - 김남영
 - 김봉근
 - 김상평
 - 김세훈
 - 김완성(010-3465-5422)
 - 미래김은성

1:N 대화

이동하 (오후 5:47) : 11.2~3월 동안 사자
 이동하 (오후 5:47) : SC제일은행채 1년 3.59%에 발행합니다. (2/25발행)
 이윤희 (오후 5:47) : 회사채 A급 잔존 2년 사자
 이윤희 (오후 5:48) : 신한카드 10/6/4 +1월 3.12 팔자
 이윤희 (오후 5:48) : 10/10/4통 -4 팔자
 이윤희 (오후 5:49) : <롯데쇼핑 입학안내> □ 입학
 참가감일 : 2월 24일(수) 14:00 □ 발행만기 및 금액 : 3년 2,000억 / 5년 3,000억 □ 제안금리 : 각 3년, 5년을 국고채 만평평균수익률 + spread □ 납입및발행예정일 : 3월 12일
 이윤희 (오후 5:49) : 11.10.27 한전중공업110회 팔자 (만 5.42 a)
 우민경 (오후 5:50) : 9-5 5.4 + 100

사용자 그룹1 그룹2 새로고침

전체선택

기본그룹 (8/10)

- 김완성
- 김철오
- 성인모
- 우민경
- 윤성환
- 이동하
- 이윤희
- 이한구
- 이한구
- 한성욱
- 야후_?1 (0/0)
- 야후_선물?1 (0/0)

그룹 추가는 사용자탭에서 해당 사용자를 선택하여 마우스 우클릭으로 추가합니다.

보내기(5)

최종 수신시간 : 2010-02-23 17:50:30

IV. Bond Market Infrastructure

FreeBond Components

Chatting Room

The screenshot displays the FB Messenger application interface. On the left, a sidebar shows a list of chat rooms under the heading '사용자 대화방'. The rooms are categorized into folders: 채권 (8), 선물/옵션 (1), 주식 (1), 외환 (0), and 자유대화 (3). The '채권' folder is expanded, showing rooms like 반상회(7/30), SK BOND(1/30), 내장탕(3/30), tj(1/30), 조은아침(1/30), 219대박방(6/30), 우리자산 채권거래방(8/30), 작두운동(3/30), 선물시세운영(12/200), 현물시세운영(10/100), 마이(6/10), 현선물 운동(6/30), 해외 합작거래소 SIT(8/50), and 장외파생 (0).

The main chat window is titled '[10] 219대박방'. It shows a list of messages with timestamps and sender names. The messages include:

- 미윤희 (15:50:12) 10.9.6 국근세 +1원 2.2/ 행사 금투협 미윤희 (2003-9122)
- 우민경 (15:50:13) 오늘의 채권시황: 금요일, 전일 월드컵으로 인한 폭음에 따른 수면부족..체력저하 => 매매기피 +주말리스크 회피, 끝.
- 미윤희 (15:51:03) 통당 73- 금투협 미윤희 (2003-9122)
- 우민경 (15:51:04) 10.11.30 중금팔자
- 윤성환 (15:51:12) 통당 74+ (협회 2003-9123)
- 우민경 (15:51:17) 연내 10월~11년 4월 통 사자
- 미윤희 (15:51:20) 구통당 67- 금투협 미윤희 (2003-9122)
- 윤성환 (15:51:21) 11.12.2 통 오바1 거래 (협회 2003-9123)
- 우민경 (15:51:29) 10.07.29 중금 민+0.5원 2.16 팔자
- 윤성환 (15:51:33) 10-1 42 + (협회 2003-9123)
- 우민경 (15:51:37) 11.6.2통 +1 거래
- 윤성환 (15:51:41) 9-4 705거래 (협회 2003-9123)
- 우민경 (15:51:51) 수출입 6개월 2.56% 400억 기발행,

At the bottom of the chat window, there is a text input field with a '대화글저장' button and a '보내기(S)' button. On the right side of the chat window, there is a '참여인' (Participants) list showing avatars for users like 우민경, 미윤희, 김미, 미윤희, and 윤성환.



2. Disclosure of Real-Time Bond Index

a. Purpose

- ❑ Yield real-time bond index based on KOFIA's FreeBond which is used as a benchmark index for bond ETFs

b. Expected Effects

- ❑ Understand real-time trends of the bond market
- ✓ **(Investor-side)** Facilitate spread trading between spot bonds and bond ETFs and enable investment in baby bonds
- ✓ **(Issuer-side)** Reduce capital-raising costs due to the increased demand
- ✓ **(Financial firms-side)** Use as a standard to evaluate investment performance and as a risk management index



2. Disclosure of Real-Time Bond Index

c. Types of Real-Time Bond Index

Index Name	Cycle	Source	First Disc.	Starting Index	Standard Point of Time
MKF TB Index	30 Sec.	FreeBond	Jun. 09	100	'04. 6. 16
KTB Index	1 Min.	Collected by KRX, etc.	Jun. 09	10,000	'09. 6. 1
KEBI TB Index	5 Min.	FreeBond	Jul. 09	100	'09. 6. 30
MK MSB Index	1 Min.	FreeBond	Jan. 10	10,000	'10. 1. 1
MK MMI* Index	1 Min.	FreeBond	Jul. 10	10,000	'10. 6. 1
KOBI Credit Index	1 Min.	FreeBond	Dec. 10	10,000	'10. 9. 1

* MMI : Money Market Index (short term market)



2. Disclosure of Real-Time Bond Index

d. Types of Bond ETF listed ※ 7 ETFs, Total value US\$ 1.3 bill.

ETF Name	Managed by	Bench Marking	Agg. MKT value* (KRW 100 mil.)	Present price* (KRW)	Listed date
KODEX TB	Samsung Asset Mgt.	MKF TB Index	785	52,330	'09. 7.29
KStar TB	KB Asset Mgt.	KTB Index	2,861	103,705	
KOSEF TB	Woori Asset Mgt.		3,796	103,715	'09. 7.31
KINDEX TB	Korea Inv. Mgt.		591	103,710	
TIGER TB3	Mirae Asset Maps Grobal Inv.		936	104,020	'09. 8.27
KOSEF MSB	Woori Asset Mgt.	MK MSB Index	3,111	100,355	'10. 1.14
KOSEF Short Term Money	Woori Asset Mgt.	MK MMI Index	1,626	100,395	'10. 7.29

- Based on the price of 2011. 1.24
- Corporate bond ETF is supposed to be listed(during Feb. 2011)

IV. Bond Market Infrastructure



Example : MKF TB Index (www.kofiabond.or.kr)





3. Bond Mall (Bond Sales Information System)

- **(Definition)** A website run by KOFIA providing sales information of baby bonds (bondmall.or.kr)
- ✓ Sales information of small-amount bonds by individual securities firms are collected into KOFIA real-time and provided for investors, facilitating bond investment by individuals



3. Bond Mall (Bond Sales Information System)

□ (Main Functions)

- ✓ Efficient searching for bonds offered by securities firms
- ✓ Price discovery function by bond types guaranteeing the highest profits
- ✓ Enhance insight of the information users through bulletin board
- ✓ Provide basic information on bond investment such as characteristics of bonds and risk factors

IV. Bond Market Infrastructure

□ Bond Mall website(www.bondmall.or.kr)

BOND MALL
소액채권 판매정보집중시스템

로그인 | 회원가입 | 사이트맵

오늘의 채권물: 17개 증권사 (1076종목, 1719건)

가까워진 채권!
이젠, **채권**으로 투자하세요.
Korea Financial Investment Association

종합검색
소액채권 하이라이트
내게맞는채권
알고투자하기
부가정보

소액채권 수익률 요약

구분	무위험	AAA	AA+	AA	AA-	A+	A	A-
3개월미만	2.36	2.90	2.82	2.44	-	3.14	-	3.83
3개월~6개월미만	2.46	3.41	3.06	2.72	3.06	4.13	3.94	-
6개월~9개월미만	2.70	3.07	3.26	3.29	3.80	3.99	4.06	5.64

소액채권 하이라이트

TOP CLICK	수익률상위	단기투자대상	신규종목					
무위험채권	수익률	잔존만기	credit채권	수익률	잔존만기	분리과세가능채권	수익률	잔존만기
서출철도20	2.49	00,02,14	대구은행30	3.10	00,01,07	서출철도20	2.46	00,00,14
강원지역개발	2.92	00,07,14	아주캐피탈1	4.45	00,04,14	서출철도20	4.05	05,07,14
강원지역개발	3.84	02,08,15	대우건설18	4.91	00,09,10	국민주택2중	3.91	07,02,14
강원지역개발	4.06	03,07,14	토지주택채권	4.42	09,11,11	국민주택2중	2.79	01,08,15

다수종목 판매 증권회사

동양종합금융	대우증권	우리투자증권
> 산은캐피탈438-2		3.33
> 산은캐피탈439-2		3.60
> 신한카드1330		2.44

신용평가 등급속보

> (주)신한금융지주회사	AAA
> 롯데카드(주)	AA
> 비앤지시스템(주)	BBB+
> 신한금융지주회사	AAA

공시사항

- + 게시대상종목 [2010,01,25]
- + 채권물 6개월 운영성과 ... [2010,08,20]
- + 동영상공육자료 업로드 안내 [2010,05,31]
- + 채권물 운영성과 관련 보... [2010,03,03]

발행(판매)예정

- + [대우증권]한진해운69-... [2010,05,18]
- + STS조선해양15-2회 ... [2010,05,04]
- + 대우건설23 판매예정 [2010,03,19]
- + 에스티엑스팬오션6회차 판... [2010,03,04]

다수종목판매 증권회사
동양종합금융
신은캐피탈 대우증권
우리투자증권
신영증권
MERITZ 메리츠
하나대투
한화증권
연대증권
대신증권
삼성

민선으로 보는 채권
채권투자 가이드 BOND
조시여계채권



Thank You !