XBRL Development and Application in China: A Practical Approach

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Contents

- XBRL application in China's securities market
- XBRL products and tools for the development
  - ✓ XBRL products and tools
  - ✓ Future XBRL tool development in China

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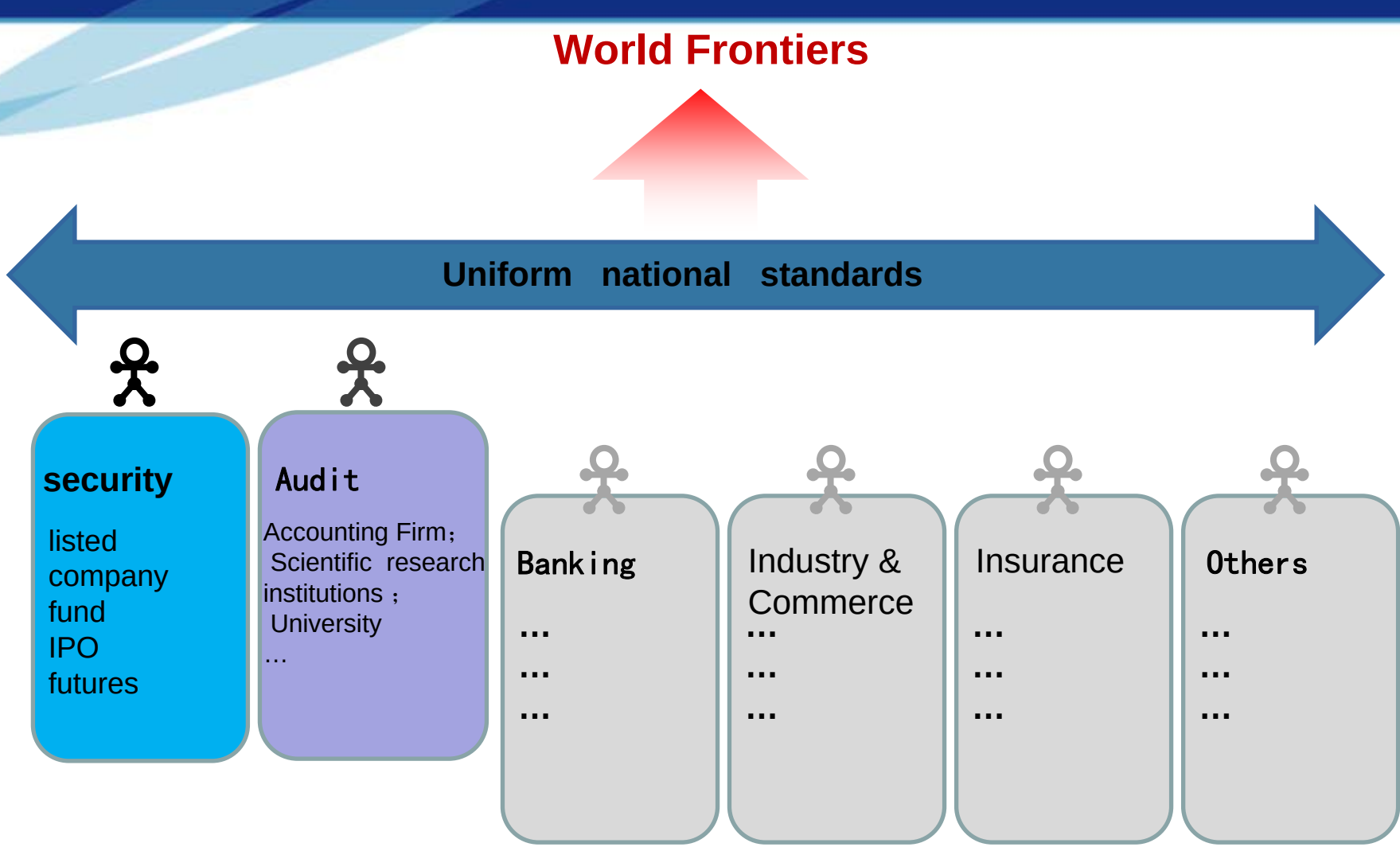
XBRL application



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XBRL application

- Shanghai Stock Exchange and Shenzhen Stock Exchange have been officially declared the use of XBRL as a format， The three taxonomies of SSE are acknowledged by XBRL International :China Listed Company Taxonomies、China Fund Company Taxonomies and China Financial Listed Company Information Disclosure Taxonomy.
- For the moment， Ministry of Finance to take the lead，jointed commission, research institutions, accounting firms, universities and other parties are planning to build enterprise-based accounting taxonomies and XBRL Taxonomies.

XBRL in listed companies application

- **The application of the Shanghai Stock Exchange**
  - Disclosure process of listed companies in the SSE have implemented this standard, including quarterly report 、 mid-year report summary 、 year report summary 、 the full text of the annual report and the full text of mid-year report, Received tens of thousands of copies of XBRL instance of listed companies， achieved good results 。
- **The application of the Shenzhen Stock Exchange**
  - Shenzhen Stock Exchange released “the production of periodic reports of listed companies in the new version 1.0 system” based on XBRL， all listed companies in the SZSE use the systems to produce an annual report， and directly generate XBRL instance 。

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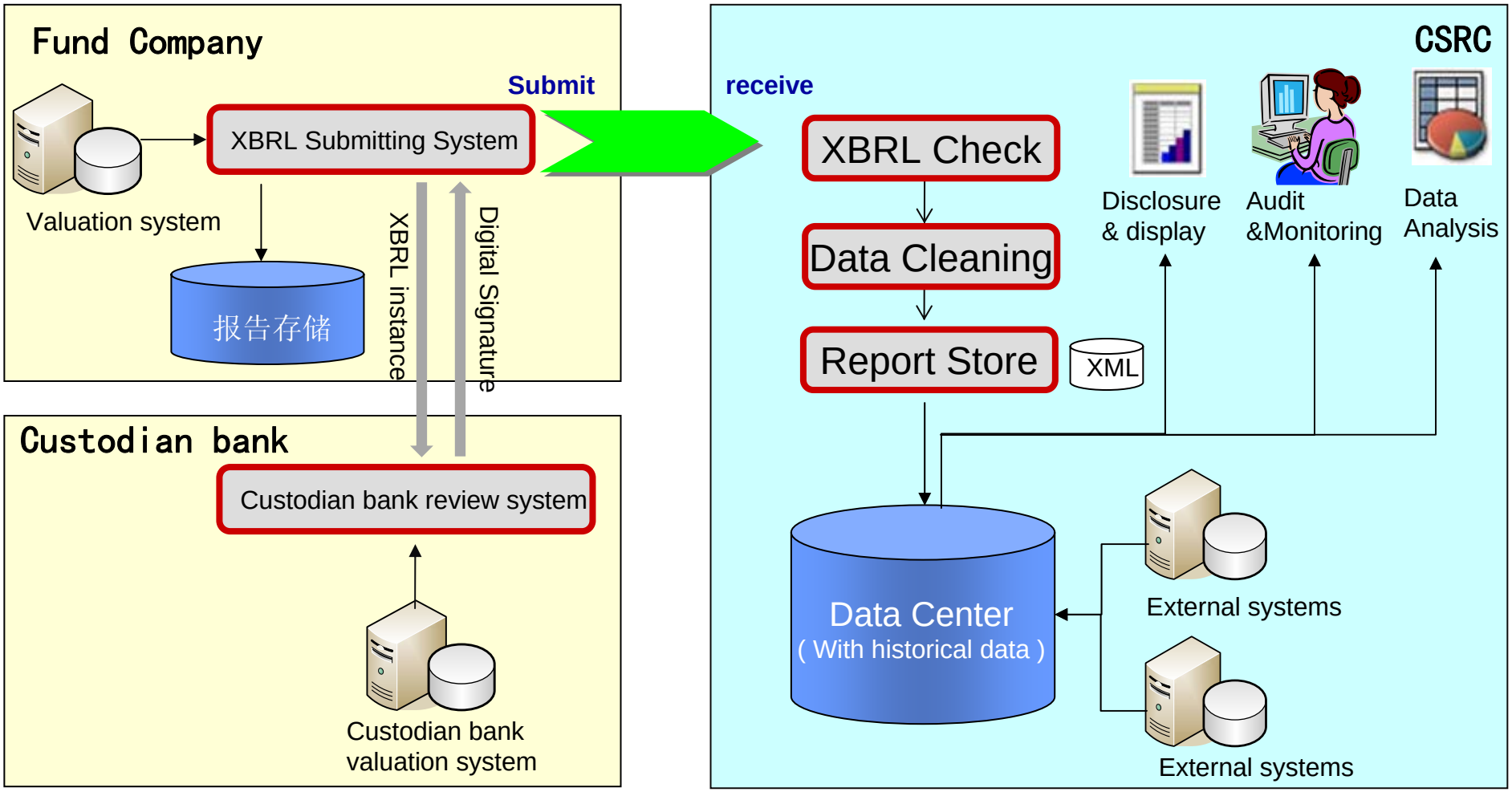
XBRL Application Architecture of Fund Company

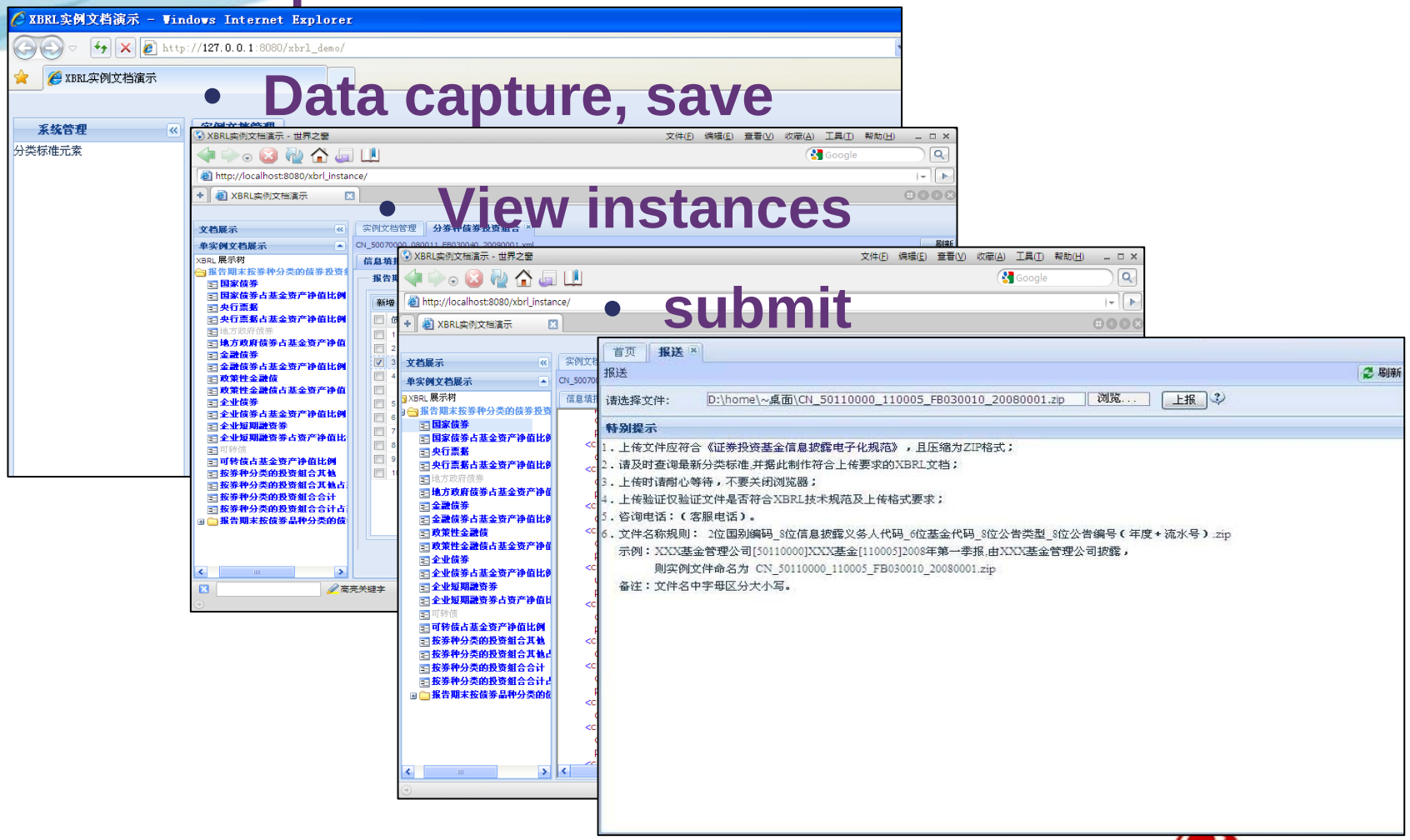
XBRL Specifications （Business & Taxonomy ）

Periodic report | Daily | Temporary Notice | Regulatory information



Fund XBRL Submit(fund company)

- New report
- Data capture, save
- View instances
- submit



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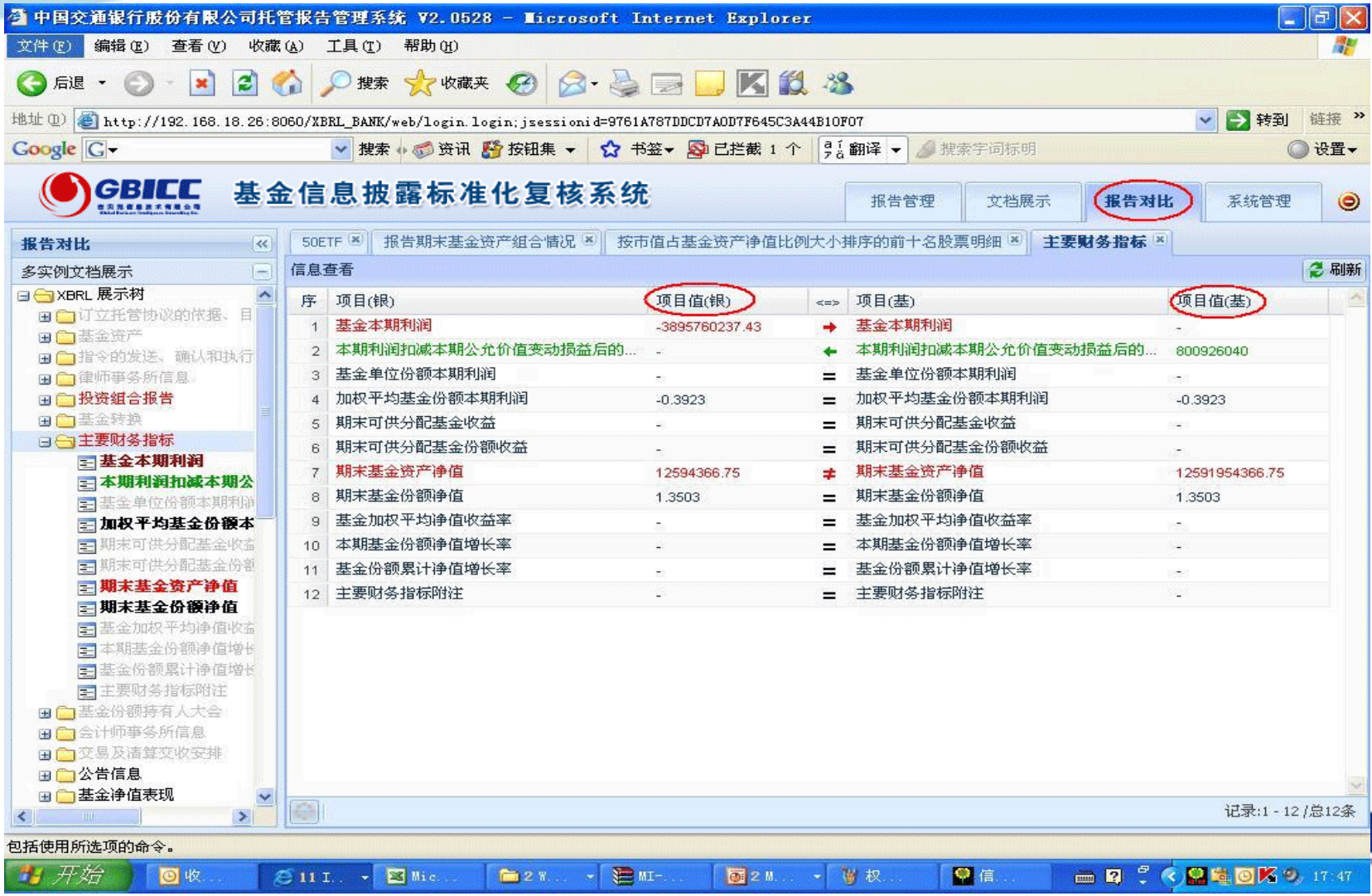
Fund XBRL Review(Custodian bank)

XBRL Instance Review



CSRC Data Application—Information Disclosure

Through the CSRC website to disclose relevant information to the public

The development of XBRL in China prospects

- **The development of XBRL in China prospects**
  - China's securities industry is the front runner in terms of using XBRL format for data and information disclosure
  - The securities industry will provide an impetus to other industries to use XBRL，such as：banking and Insurance。
  - Application of the securities industry will be the gradual deepening of XBRL ,from the data storage, information disclosure to audit supervision, excavation analysis 。 At present, regulation of securities companies, IPO, the application of XBRL are in the pipeline 。

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CSRC Data Applications—Statistical Analysis

Information collected for statistical analysis

中国证券监督管理委员会 基金信息披露(测试)

基金规模统计

基金申购赎回情况统计

基金资产净值变动趋势统计

货币型基金投资组合平均剩余期限统计

查询时段： 2008年第四季度 到 2008年第四季度 搜索

各期限资产占基金资产净值的比例（%）

时间	报告期末投资组合平均剩余期限	30天以内	30天(含)—60天	60天(含)—90天	90天(含)—180天	180天(含)—397天（含）
2008年4季度	124	34%	27%	11%	1%	1%
2008年3季度	106	29%	31%	4%	1%	1%
2008年2季度	156	22%	29%	15%	2%	1%
2008年1季度	107	35%	22%	12%	3%	2%

各期限负债占基金资产净值的比例（%）

时间	报告期末投资组合平均剩余期限	30天以内	30天(含)—60天	60天(含)—90天	90天(含)—180天	180天(含)—397天（含）
2008年4季度	124	34%	27%	11%	1%	1%
2008年3季度	106	29%	31%	4%	1%	1%
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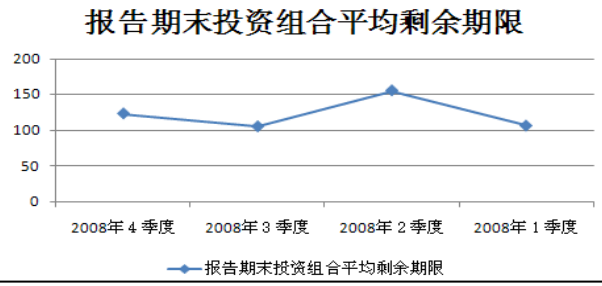
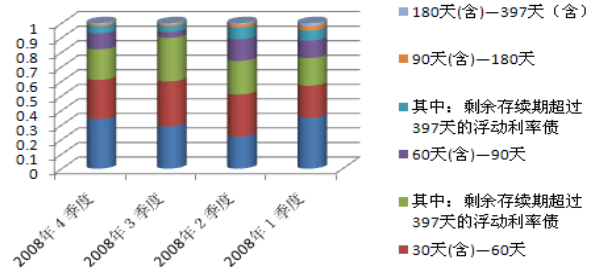
2008年1季度	107	35%	22%	12%	3%	2%





CSRC Data Applications—monitoring, early warning

Based on data collected by excavation analysis, monitoring, early warning

- **Buy and sell stock and timing analysis**
- **Market net compared with market p**
- **Dividen**
- **Analysis stocks**
- **Fund po**

指标分析

名称	当前值	上期值	上二期值	历史均值	升/降1	历史值	行业参考均值	升/降2	同行业值参考范围	说明
一、偿债能力指标										
资产负债率(%)	12.4	7.5	8.0	7.19		0.00---17.87	9.78	↓	0.41---20.03	+
流动比率	1.2	1.3	3.4	2.8		1.1---3.1	2.3		1.0---3.8	-
速动比率	0.7	0.9	2.3	1.1		0.62---2.8	1.0		0.3---2.4	-
现金比率(%)	22.65	23.43	16.78	21.05	↑	-14.95---12.19	16.13		0.59---24.45	+
利息保障倍数	6.11	8.79	6.45	1.54		-5.20---23.44	6.78		1.10---5.2	-
营运资金缺口	1,865.63	2367.34	3456.39	2389.50		639.87---4,202.50	602.64		1,31400---1,409.00	-
权益比率(%)	27.90	25.56	10.20	11.53	↑	-12.84---23.16	29.43	↑	-18.04---21.83	++

基金业绩及风险情况统计

按季度查询：2008年第四季度 搜索

2008年第四季度分类基金利润及增长情况统计

基金类型	平均份额净值增长率①	平均份额净值增长率标准差②	业绩比较基准收益率③	业绩比较基准收益率标准差④	①－③	②－④
股票型	-20.31%	14.77%	-25.31%	19.22%	5.00%	-4.45%
混合型	2.16%	11.05%	1.08%	14.05%	1.08%	-3.00%
债券型	0.38%	0.11%	0.22%	1.01%	0.16%	-0.90%
货币性	0.89%	0.41%	0.43%	0.31%	0.46%	0.10%
QDII	-25.67%	16.32%	-32.11%	19.32%	6.44%	-3.00%
全市场						

注：1、股票型、混合型基金业绩比较基准为：沪深300指数；2、债券型基金业绩比较基准为：1年期存款利率；3、货币型基金业绩比较基准为：活期存款利率或半年期存款利率；4、QDII的业绩比较基准为：MSCI海外指数（不能投资A股时）或MSCI全球指数（能投资A股时）

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The development of XBRL technical team

- More companies are develop XBRL related tools and applications now
- More people are devoted to XBRL technical and application development

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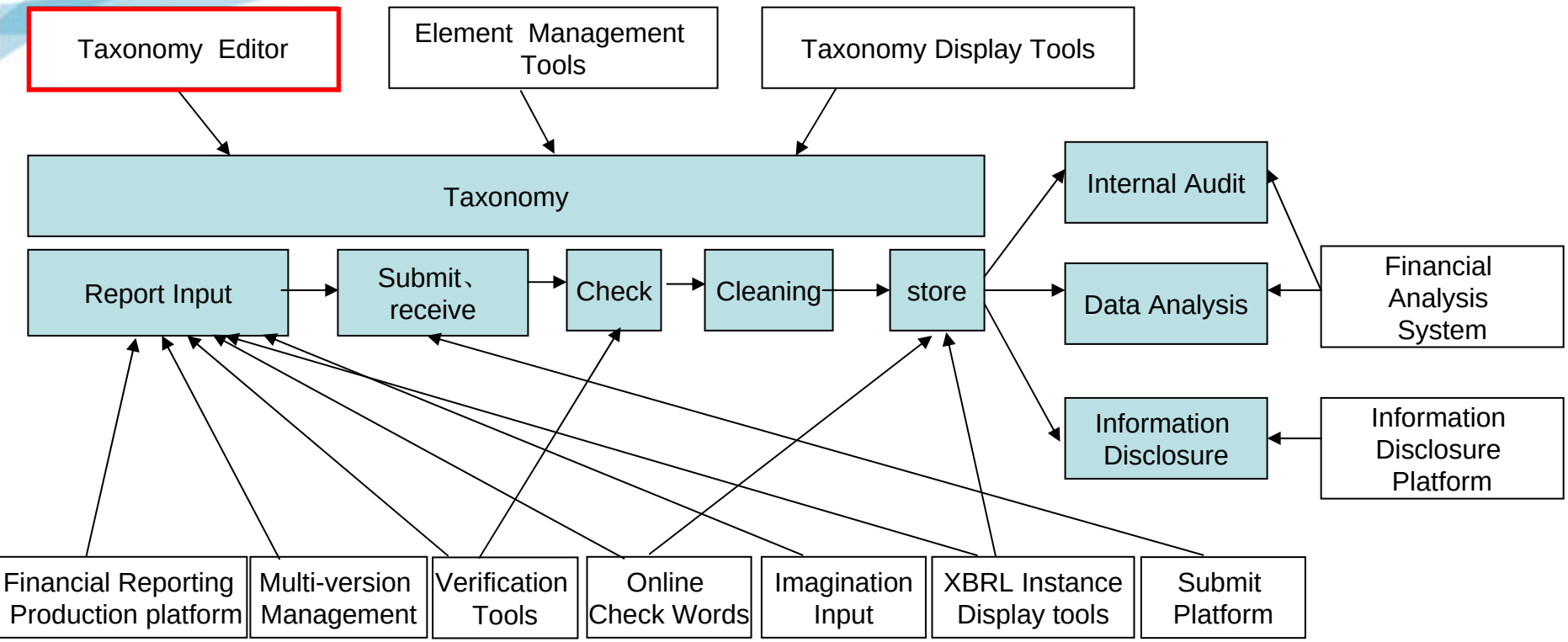
Fund XBRL Products



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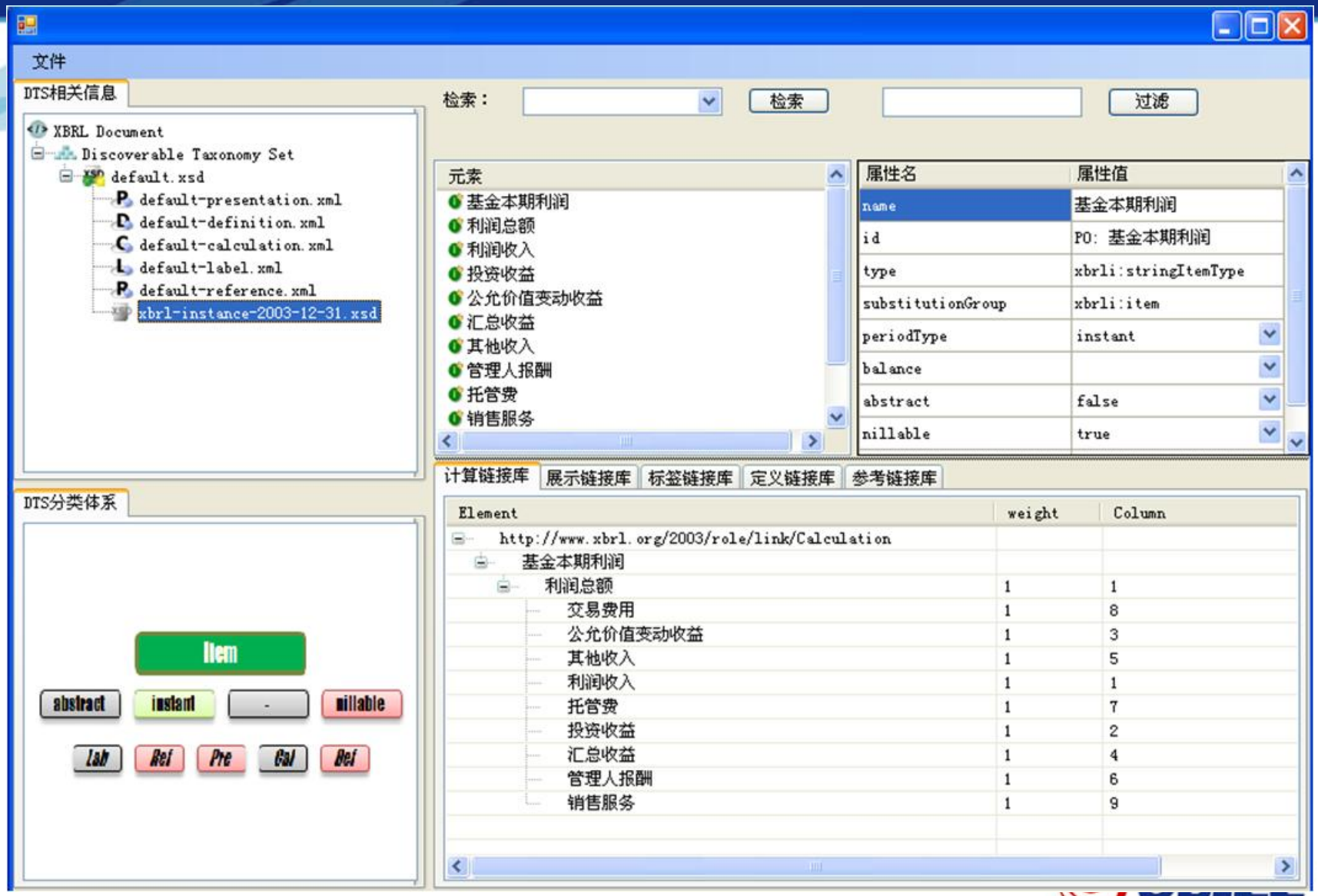
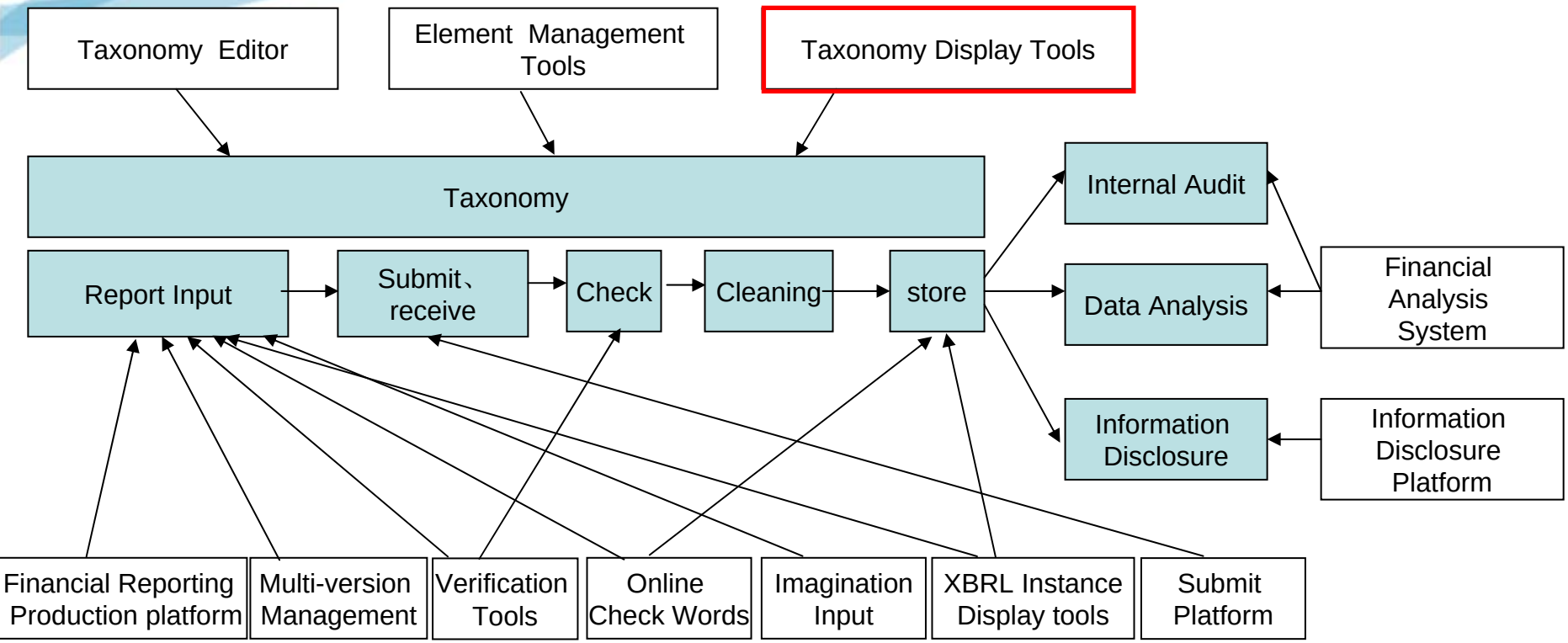
Taxonomy Editor



Fund XBRL Products



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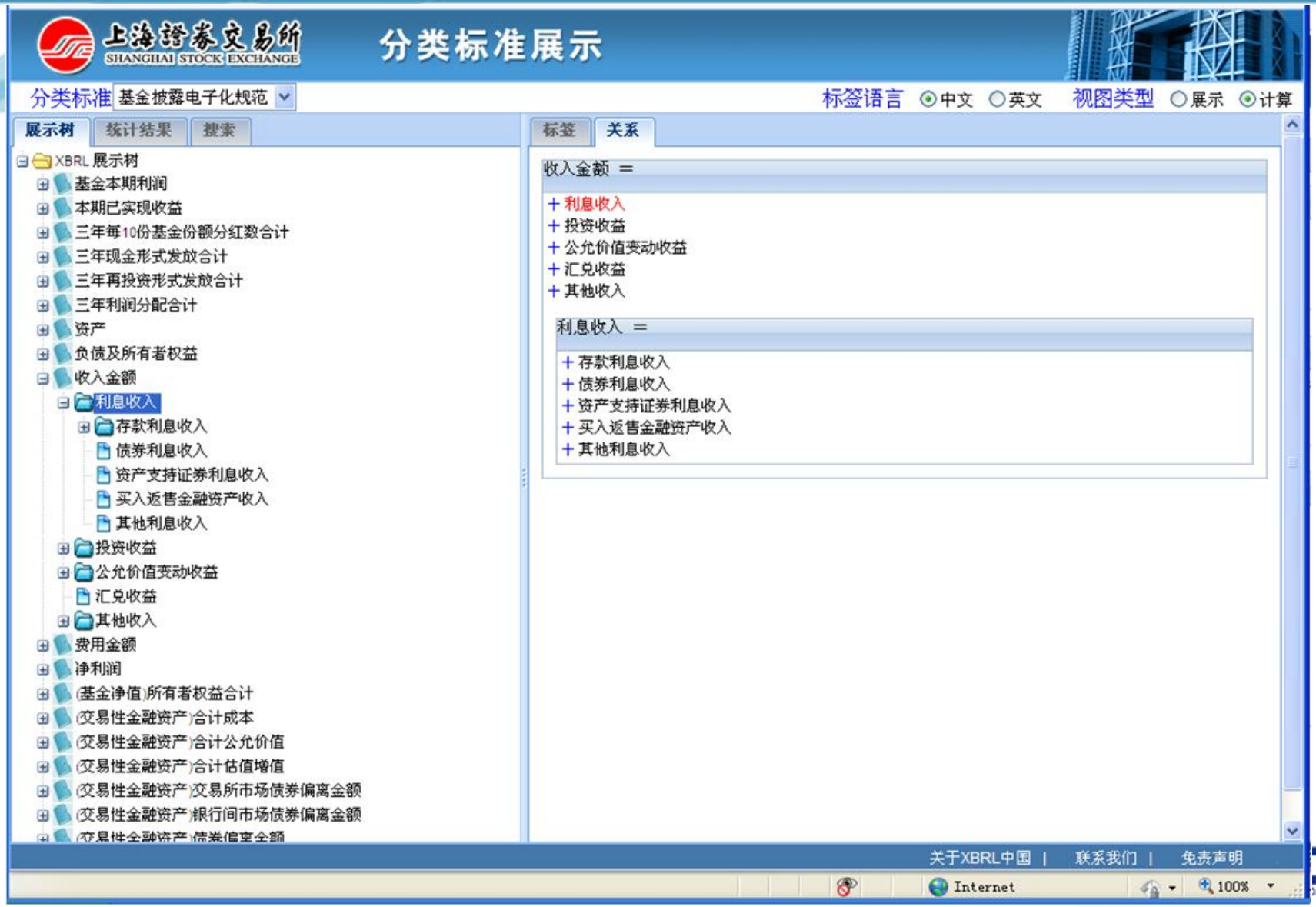
Taxonomy Display Platform
——www.xbrl-cn.org

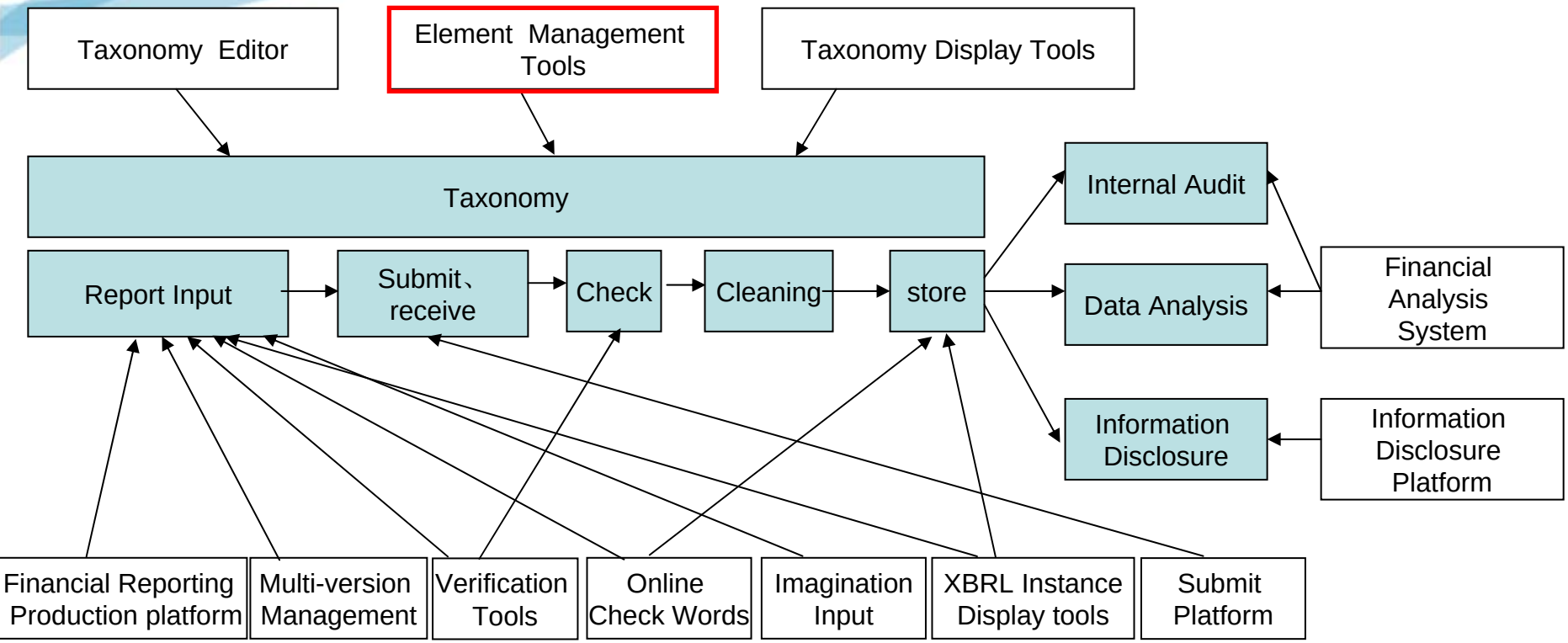
Taxonomy Display
——By display linkbase

Taxonomy Display
——By Calculation linkbase



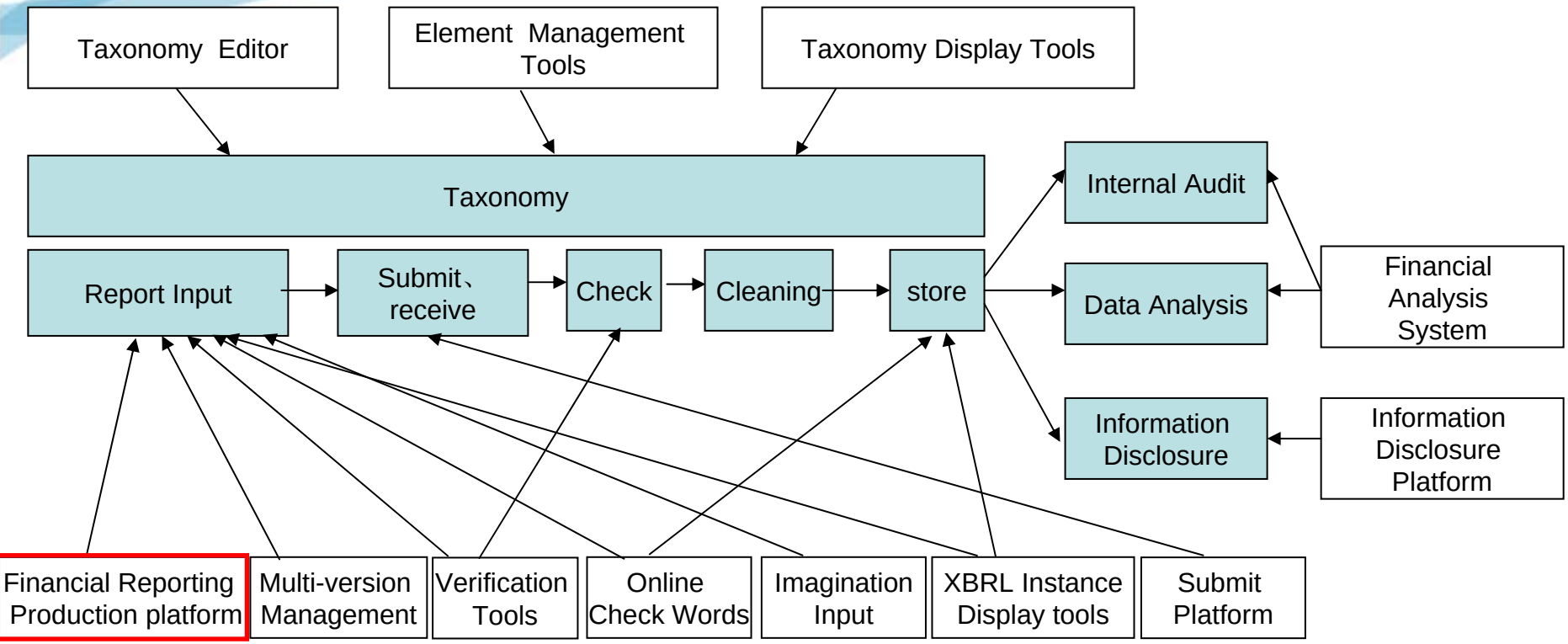
Taxonomy Display ——English label

Fund XBRL Products



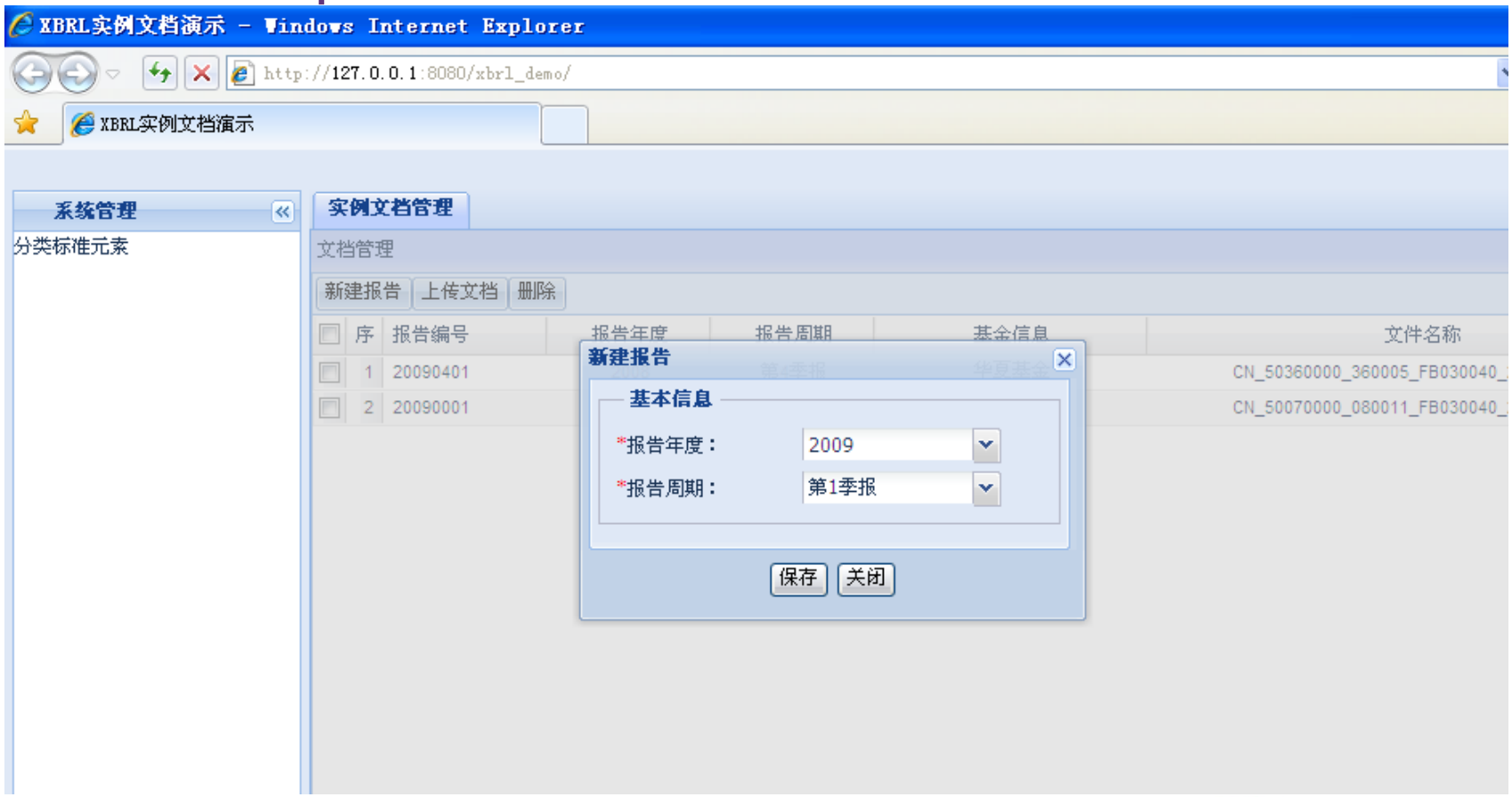
Element Management Tools

Fund XBRL Products



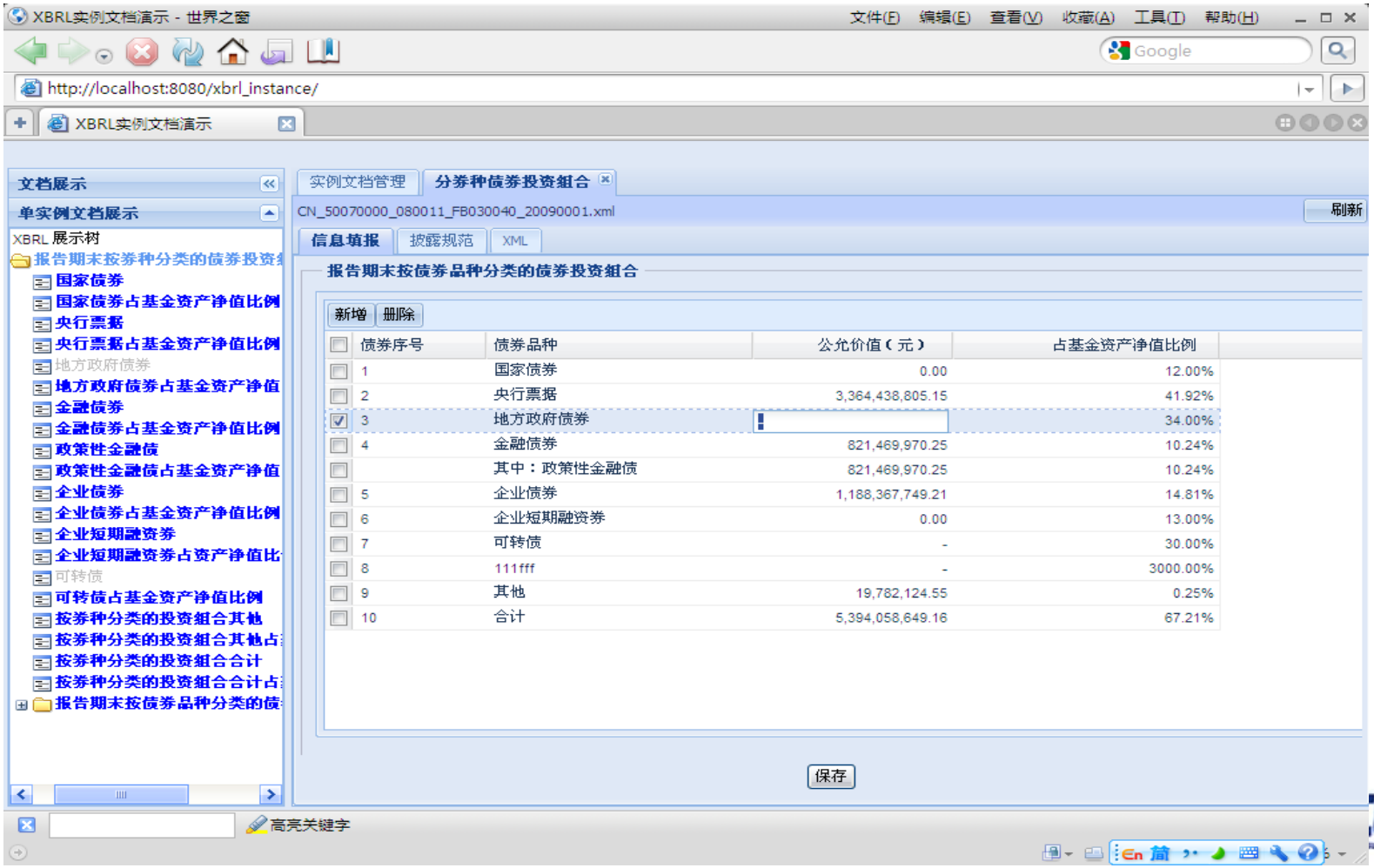
Financial Reporting Production

- New report



Financial Reporting Production

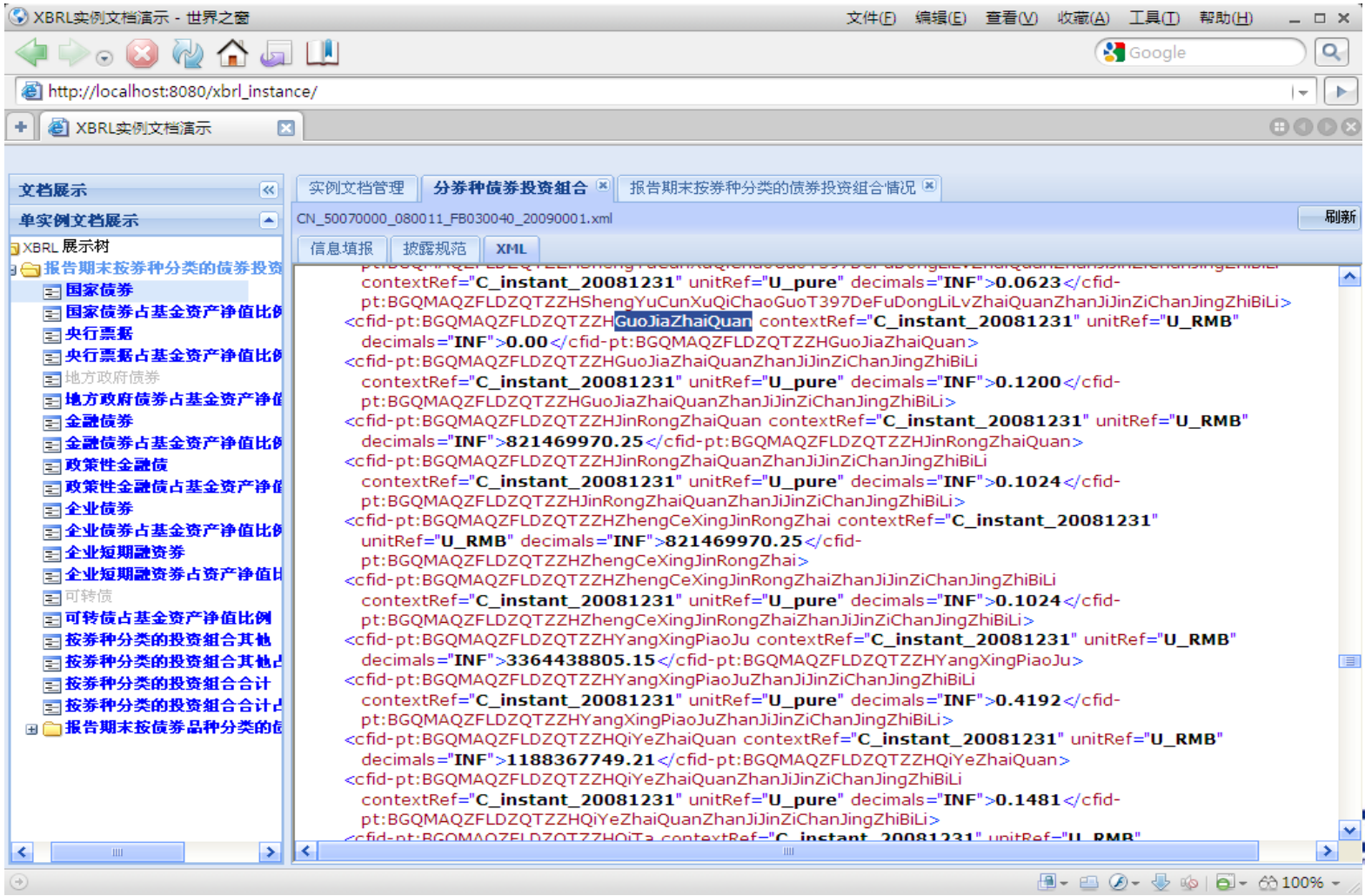
- **Data capture, save**



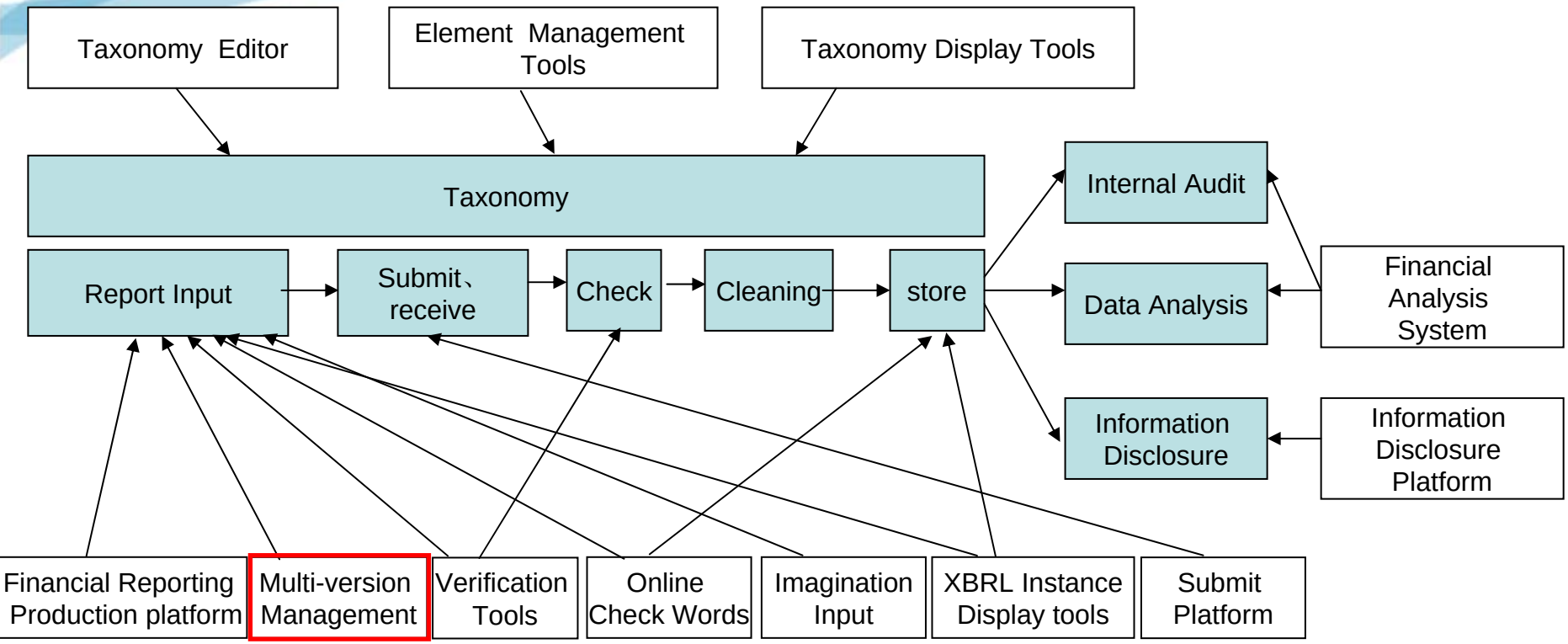
债券序号	债券品种	公允价值（元）	占基金资产净值比例
1	国家债券	0.00	12.00%
2	央行票据	3,364,438,805.15	41.92%
3	地方政府债券		34.00%
4	金融债券	821,469,970.25	10.24%
	其中：政策性金融债	821,469,970.25	10.24%
5	企业债券	1,188,367,749.21	14.81%
6	企业短期融资券	0.00	13.00%
7	可转债	-	30.00%
8	111fff	-	3000.00%
9	其他	19,782,124.55	0.25%
10	合计	5,394,058,649.16	67.21%

Financial Reporting Production

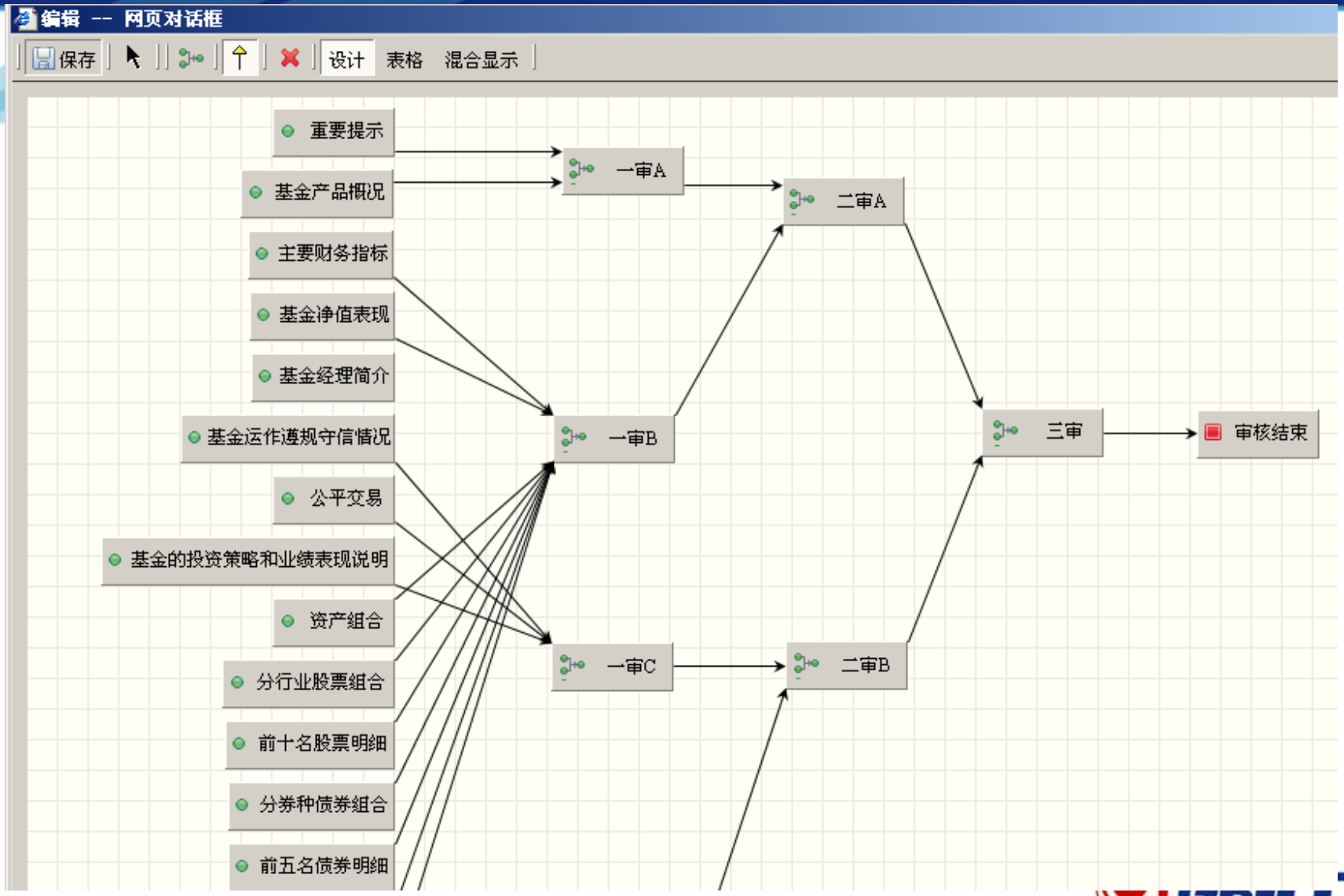
- View XBRL instances



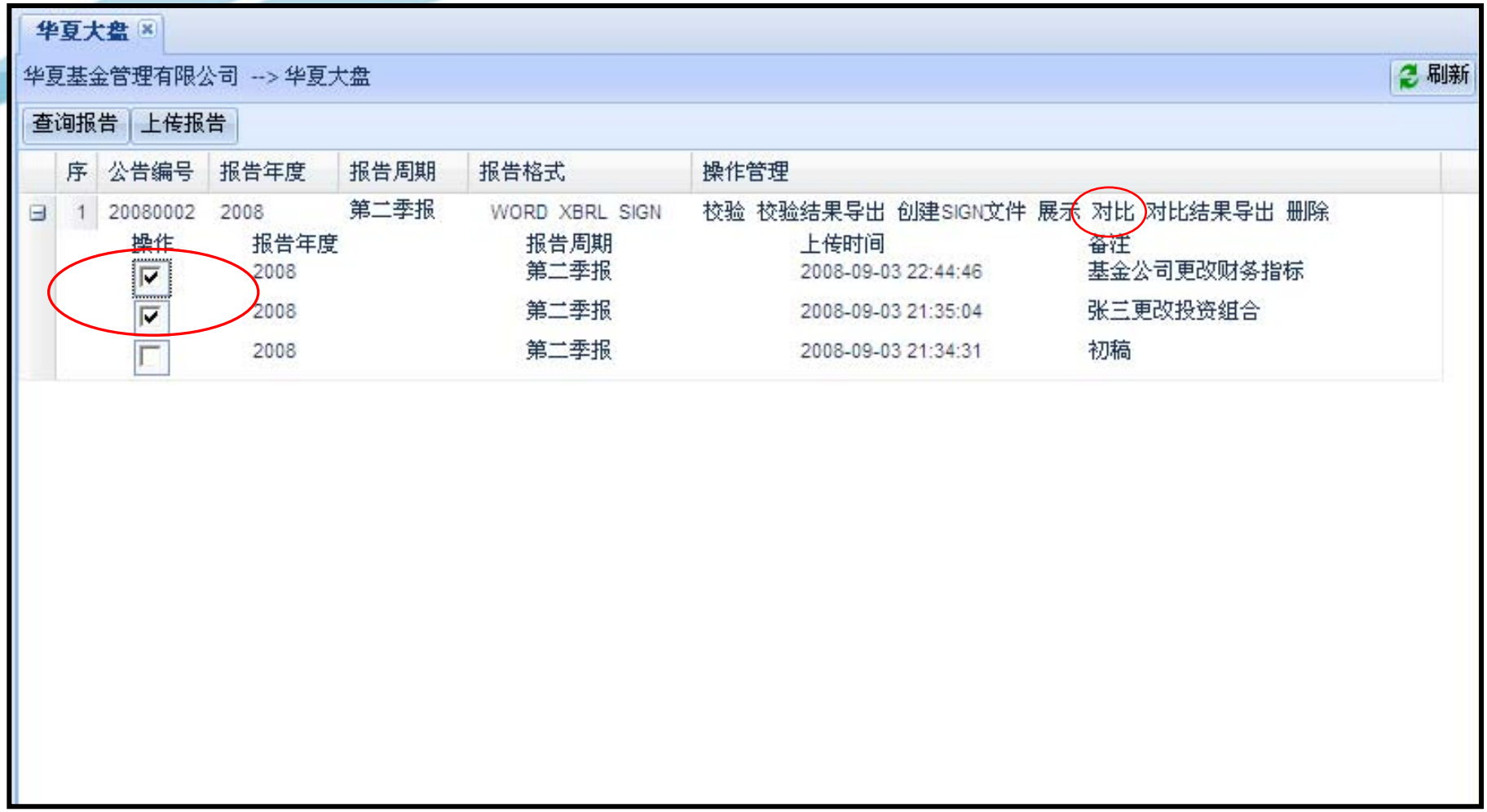
Fund XBRL Products



Process in Fund Reporting



Multi-version Management & comparation



Multi-version Management & comparation

序	项目(基准)	项目值(基准)	<=>	项目(目标)	项目值(目标)
1	基金本期利润	-3689734027.11	≠	基金本期利润	-3689734027.22
2	本期利润扣减本期公允价值变动损益后的...	-2199241470.90	≠	本期利润扣减本期公允价值变动损益后的...	-21992418470.90
3	基金单位份额本期利润	-	=	基金单位份额本期利润	-
4	加权平均基金份额本期利润	-0.3145	=	加权平均基金份额本期利润	-0.3145
5	期末可供分配基金收益	-	=	期末可供分配基金收益	-
6	期末可供分配利润	-	=	期末可供分配利润	-
7	期末可供分配基金份额收益	-	=	期末可供分配基金份额收益	-
8	期末可供分配基金份额利润	-	=	期末可供分配基金份额利润	-
9	期末基金资产净值	27287425373.42	=	期末基金资产净值	27287425373.42
10	期末基金份额净值	2.3350	≠	期末基金份额净值	2.3355
11	期末还原后基金份额累计净值		=	期末还原后基金份额累计净值	
12	基金份额累计净值	-	=	基金份额累计净值	-
13	基金本期净值收益率	-	=	基金本期净值收益率	-
14	基金累计净值收益率	-	=	基金累计净值收益率	-
15	基金加权平均净值收益率	-	=	基金加权平均净值收益率	-
16	加权平均净值利润率	-	=	加权平均净值利润率	-
17	本期基金份额净值增长率	-	=	本期基金份额净值增长率	-
18	基金份额累计净值增长率	-	=	基金份额累计净值增长率	-
19	主要财务指标附注	注：所述基金业绩...	=	主要财务指标附注	注：所述基金业绩...

记录:1 - 19 /总19条

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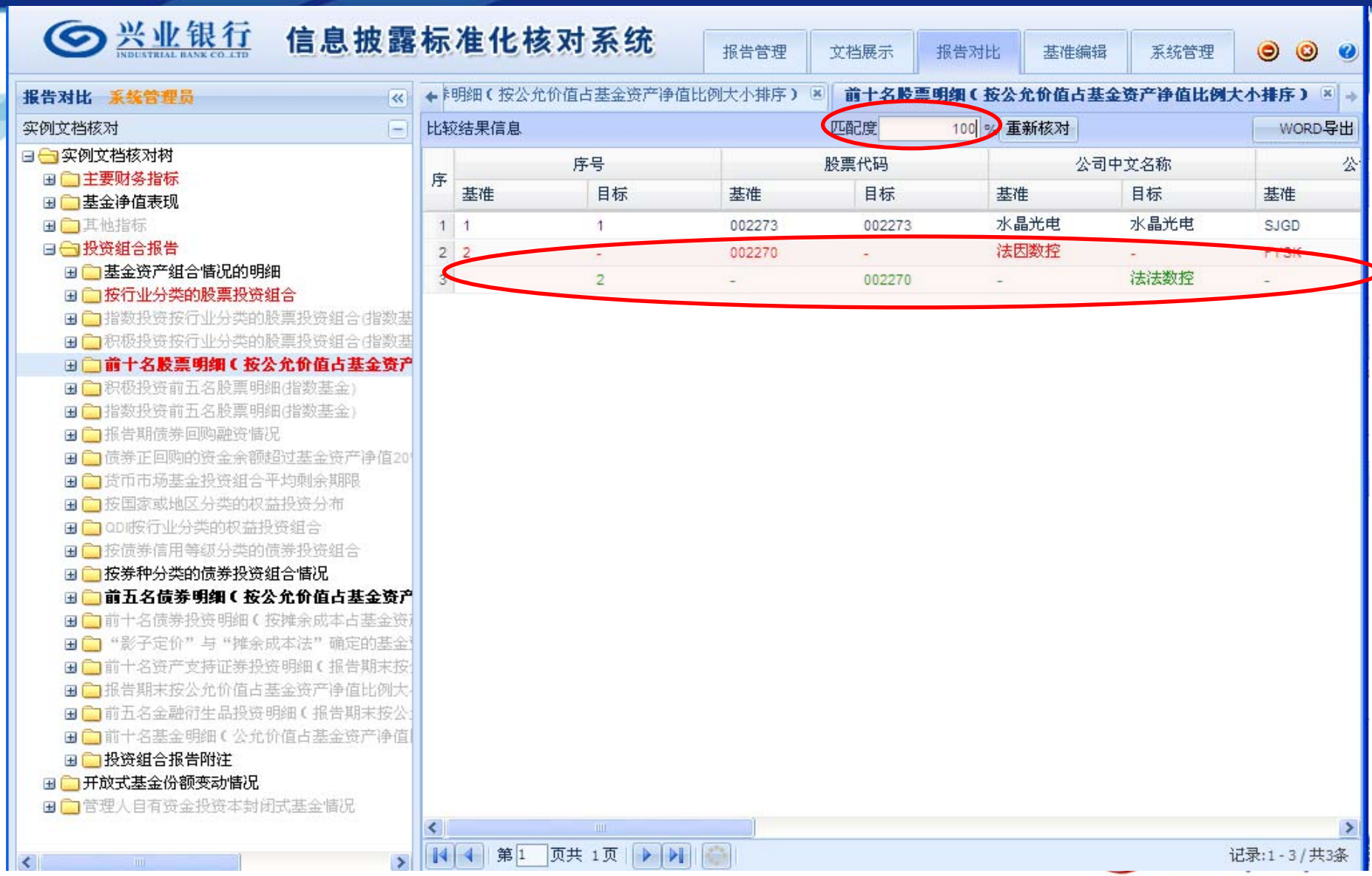
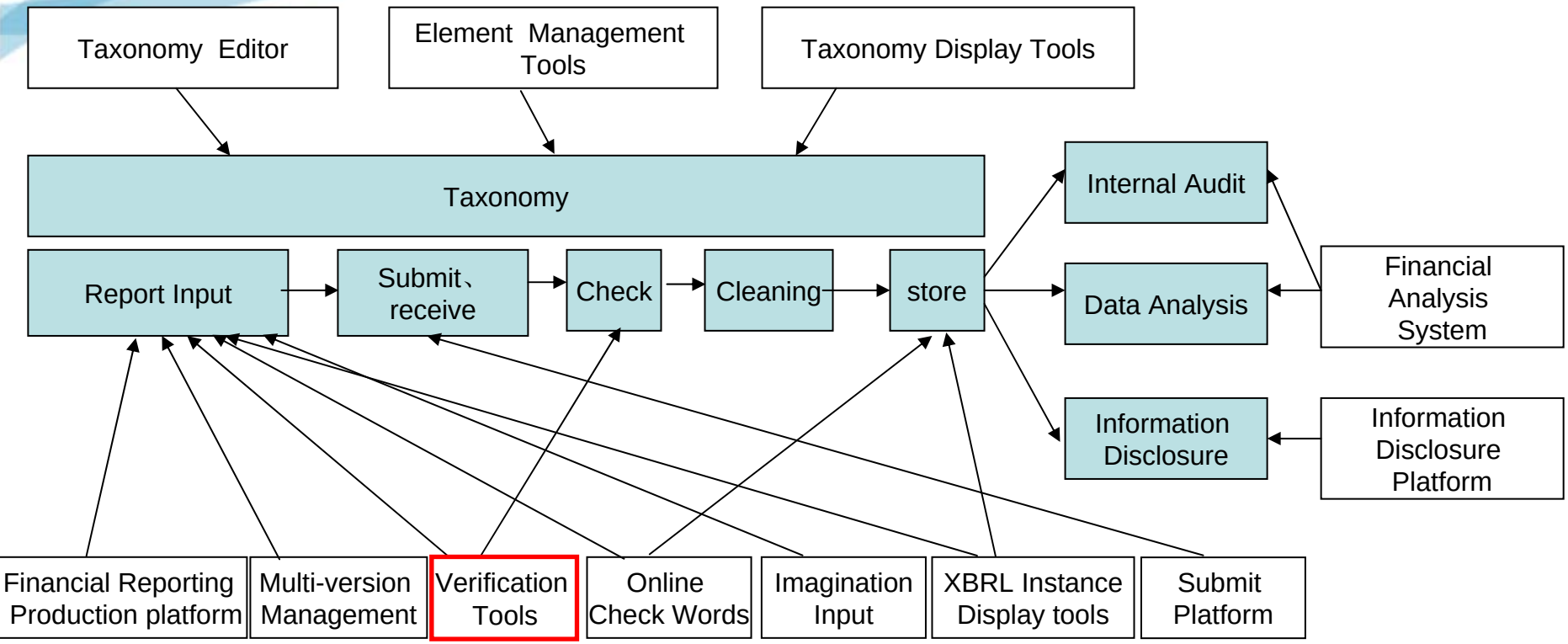
Multi-version Management & comparation



Multi-version Management & comparation

Fund XBRL Products



Verification Tools

- XBRL Technical specifications
- Technical guidelines
- Fund company、 Custodian bank general rules
  - Content integrity
  - *Articulation*
  - Others
- Fund companies custom validation rules

Verification rules

元素	序号	权重
(交易性金融资产)合计成本		
(交易性金融资产)股票成本	1	1
(交易性金融资产)债券合计成本	2	1
(交易性金融资产)资产支持证券成本	3	1
(交易性金融资产)基金成本	4	1
(交易性金融资产)其他成本	5	1
(交易性金融资产)合计公允价值		
(交易性金融资产)合计估值增值		
衍生工具合计合同/名义金额		

Verification Tools

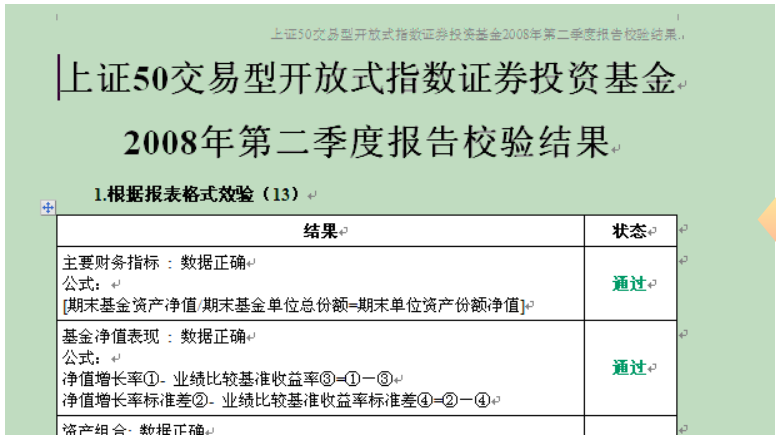
等式不成立！相关元素包括： (交易性金融资产)合计成本(7472308.0000) ≠ 1x(交易性金融资产)股票成本(7472301.0000)+1x(交易性金融资产)债券合计成本(7472304.0000)+1x(交易性金融资产)资产支持证券成本(7472305.0000)+1x(交易性金融资产)基金成本(7472306.0000)+1x(交易性金融资产)其他成本(7472307.0000)=37361523.0000 不通过

公式:

- [(交易性金融资产)合计成本=1x(交易性金融资产)股票成本+1x(交易性金融资产)债券合计成本+1x(交易性金融资产)资产支持证券成本+1x(交易性金融资产)基金成本+1x(交易性金融资产)其他成本]

等式不成立！相关元素包括： (交易性金融资产)合计成本(7472008.0000) ≠ 1x(交易性金... 不通过

the results derived



上证50交易型开放式指数证券投资基金2008年第二季度报告校验结果

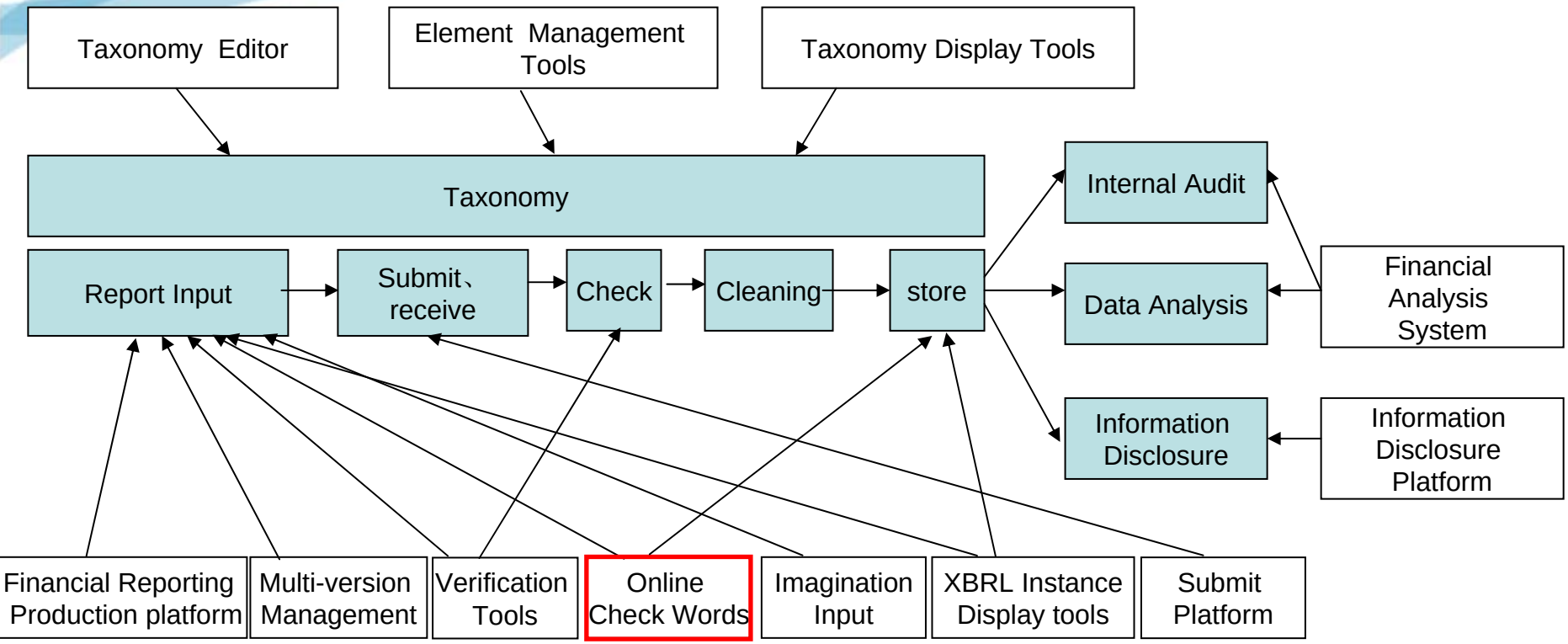
上证50交易型开放式指数证券投资基金

2008年第二季度报告校验结果

1.根据报表格式效验（13）

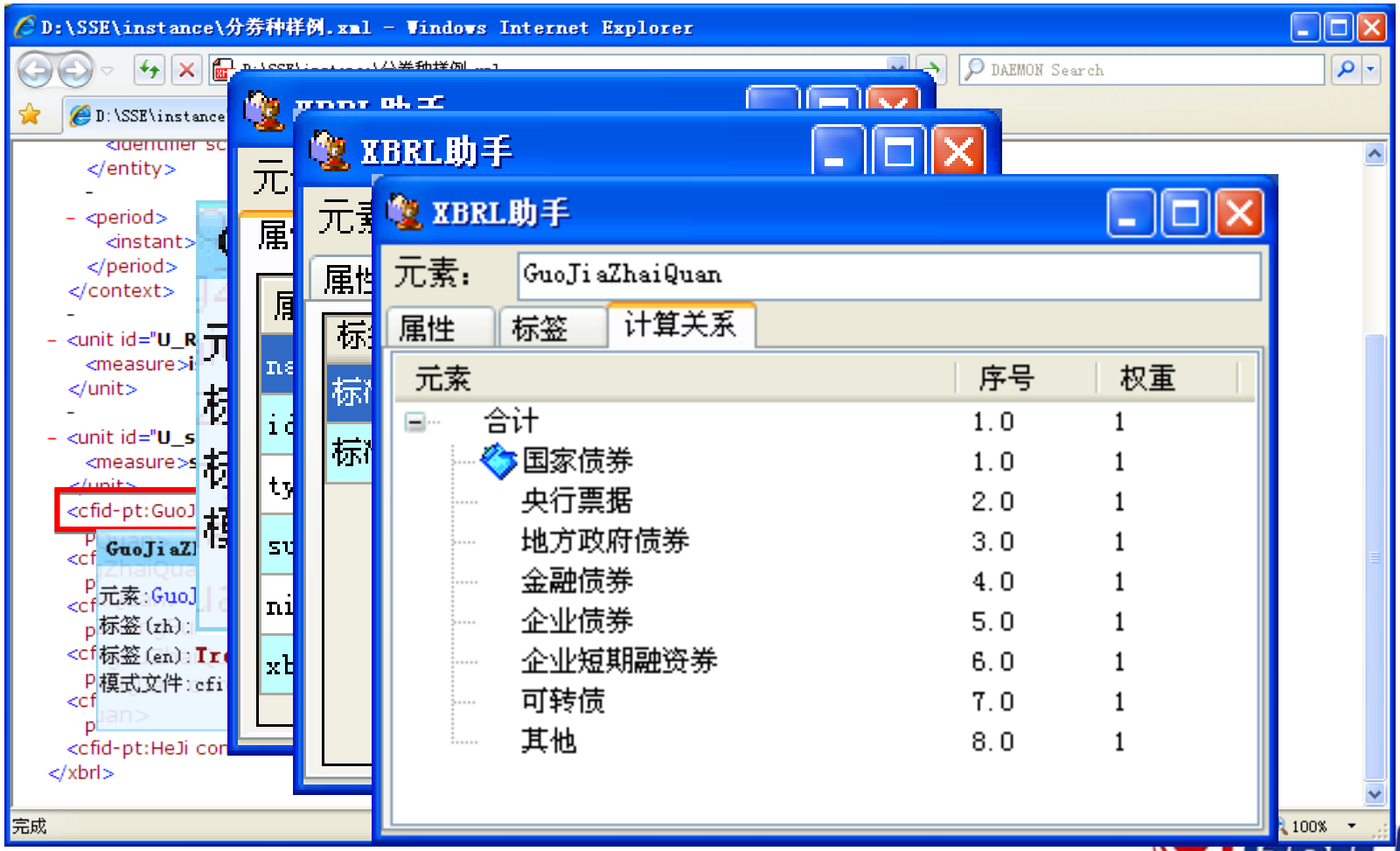
结果	状态
主要财务指标 ：数据正确 公式： [期末基金资产净值/期末基金单位总份额=期末单位资产份额净值]	通过
基金净值表现 ：数据正确 公式： 净值增长率①- 业绩比较基准收益率③=①－③ 净值增长率标准差②- 业绩比较基准收益率标准差④=②－④	通过
资产组合：数据正确	

Fund XBRL Products



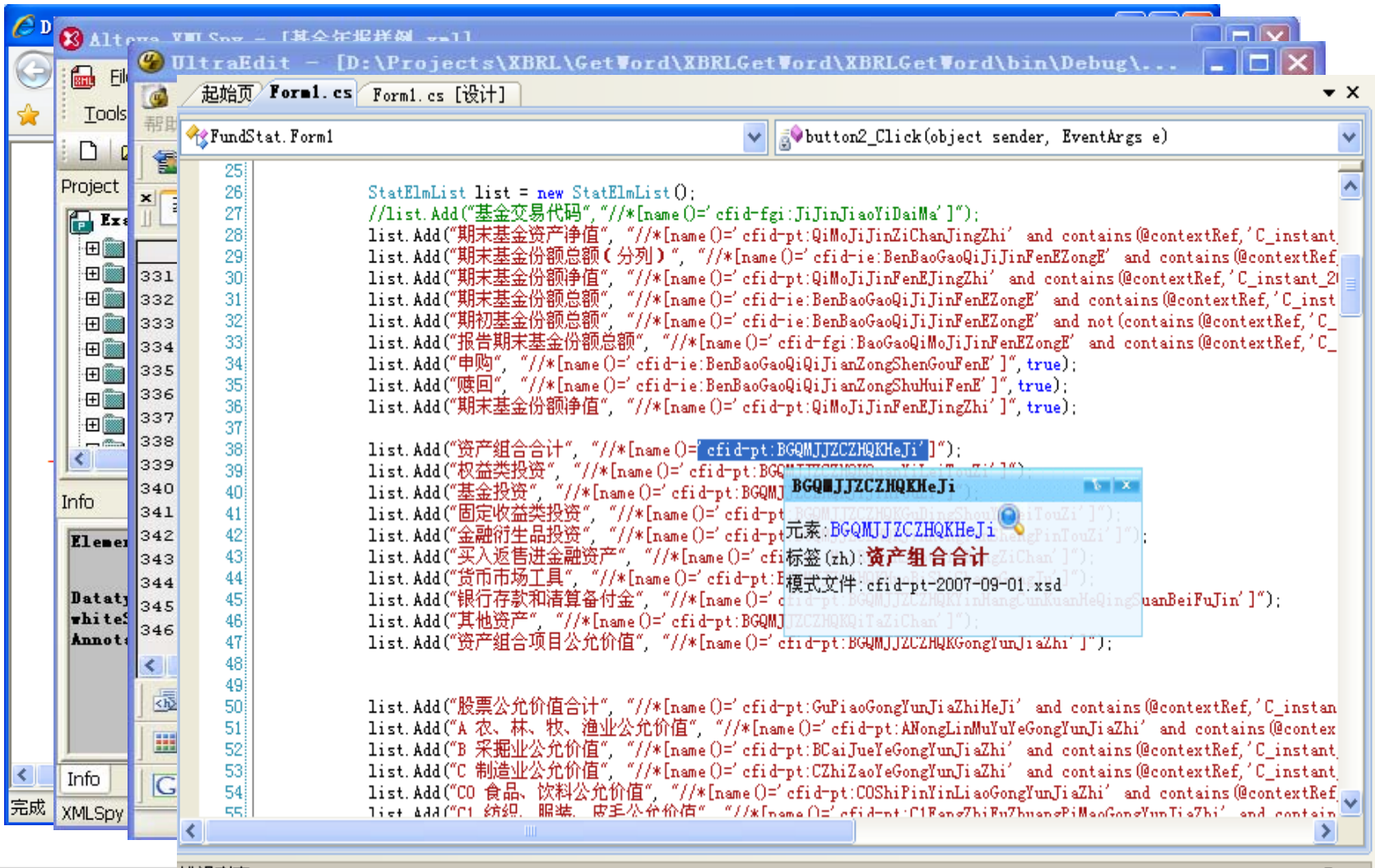
XBRL Online Check Words Tools

- When reader use browser 、notepad 、Editplus、XMLSpy，they can use XBRL online check words tools（such as PowerWord ）to rapid access to the label of elements.

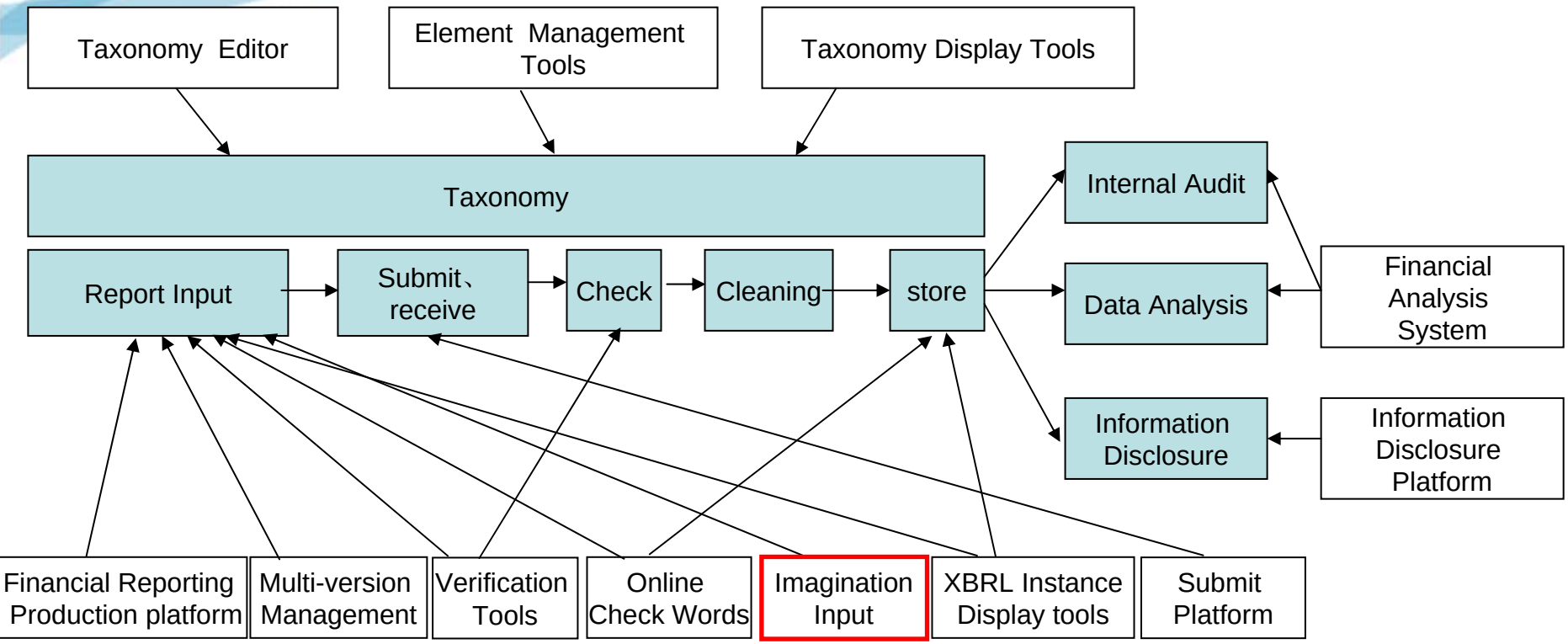


XBRL Online Check Words Tools

- Support for standard Web browser, Notepad, EditPlus, UltraEdit, development environment. . . . . .

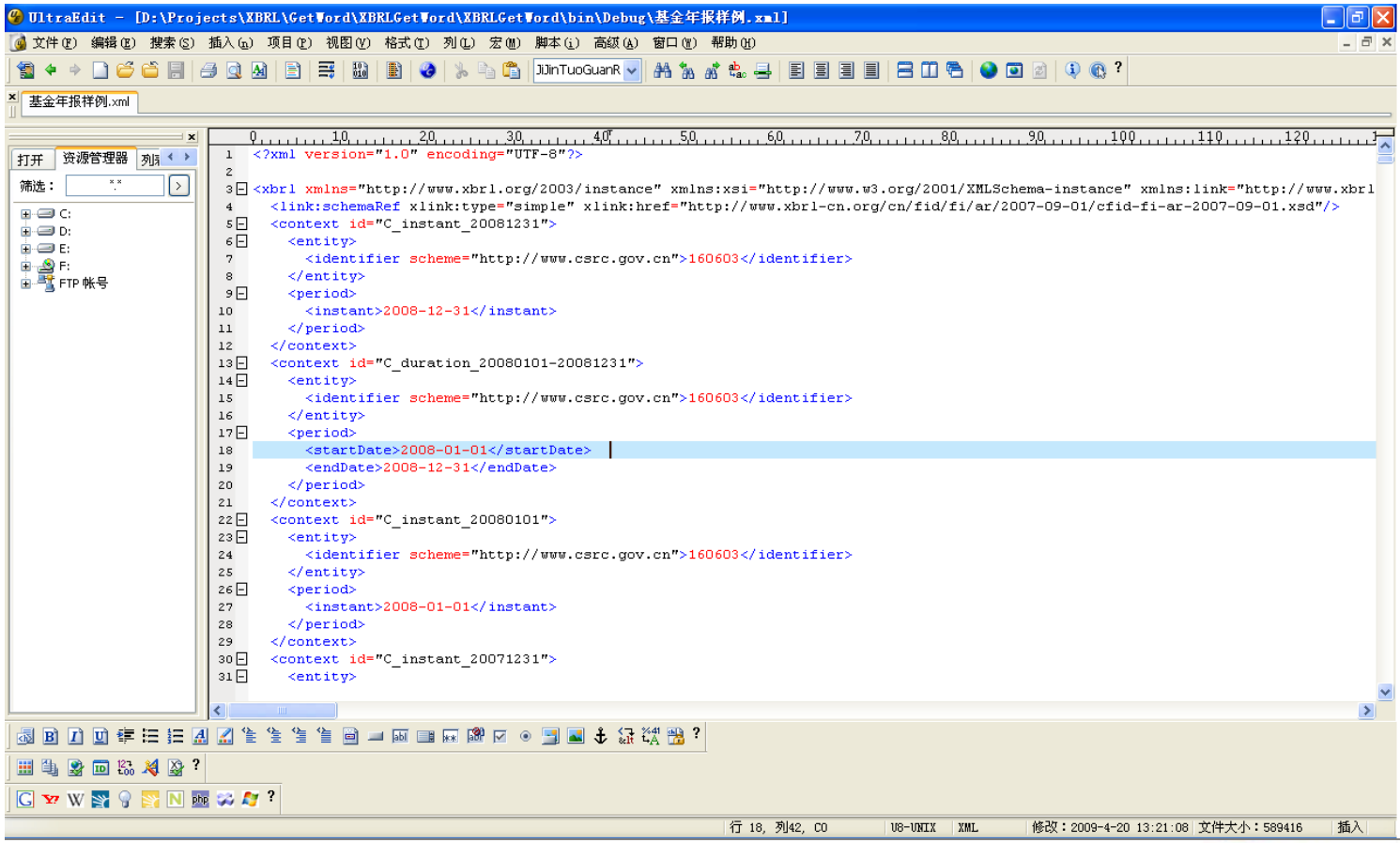


Fund XBRL Products

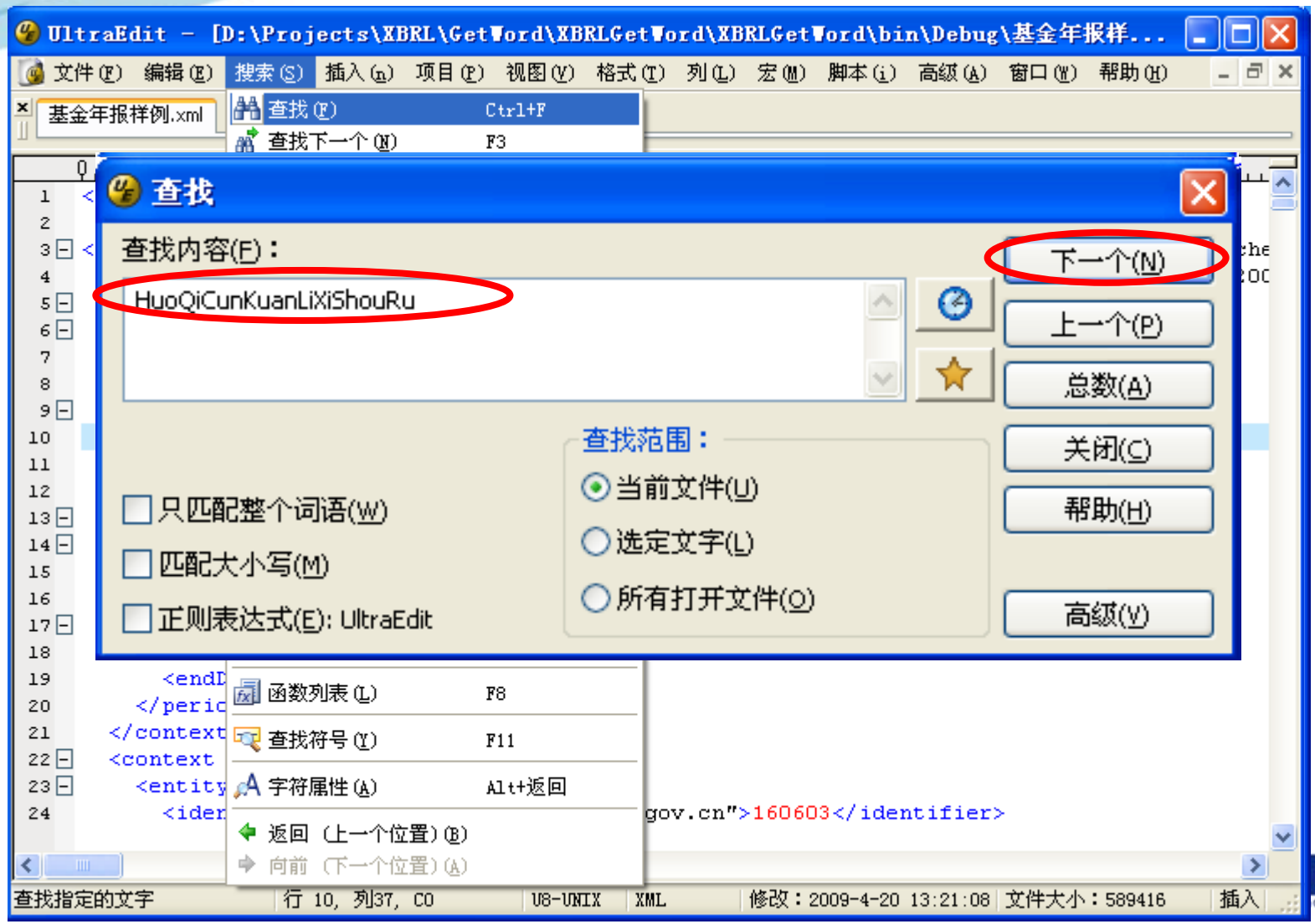


Imagination Input Tools

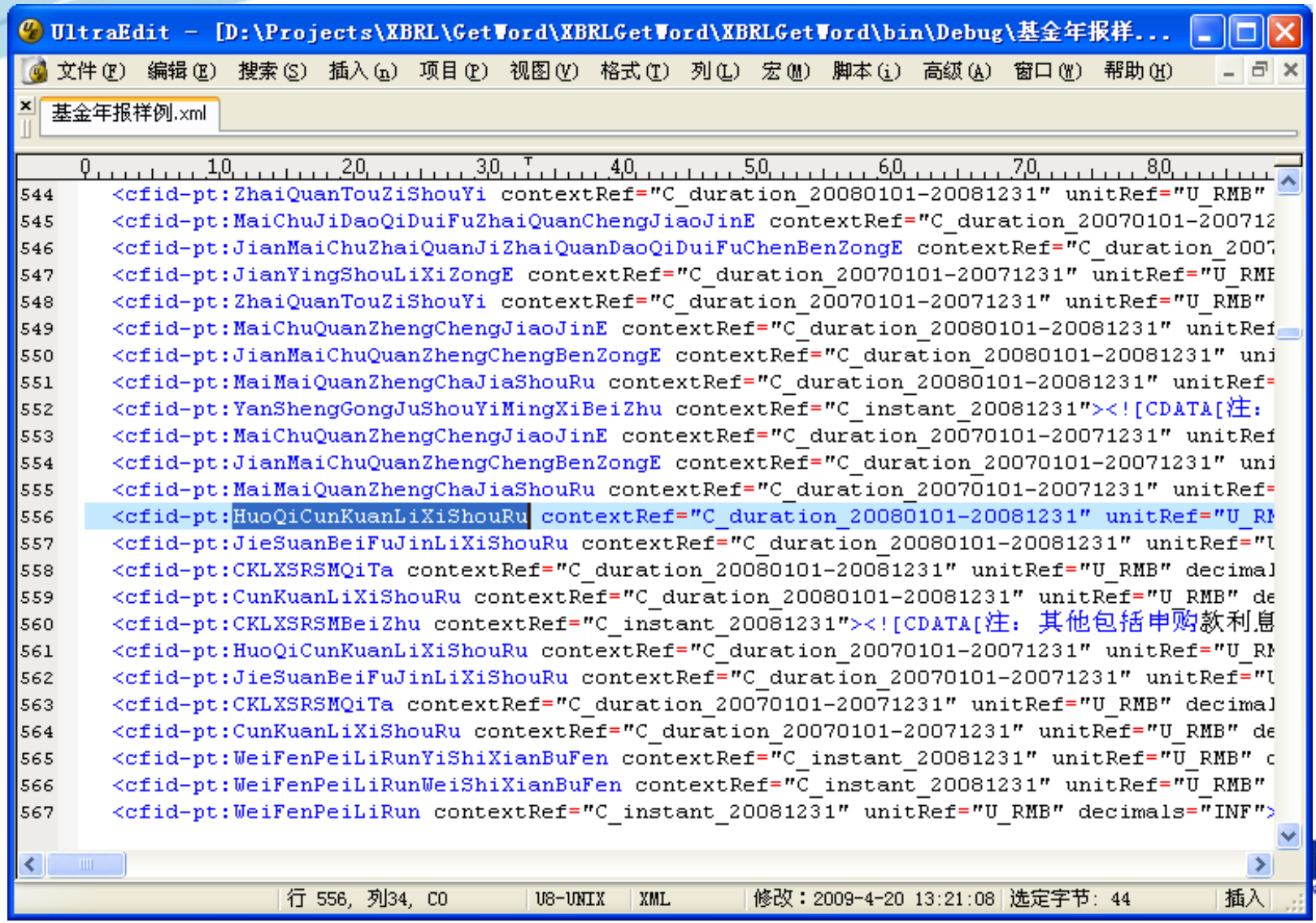
- Similar to google， Pinyin, Chinese adaptive.
- Applicable to scenes ： know the Chinese meaning but do not know or don't rememer the element name， Need to edit or to find.
- As an example of UltraEdit：



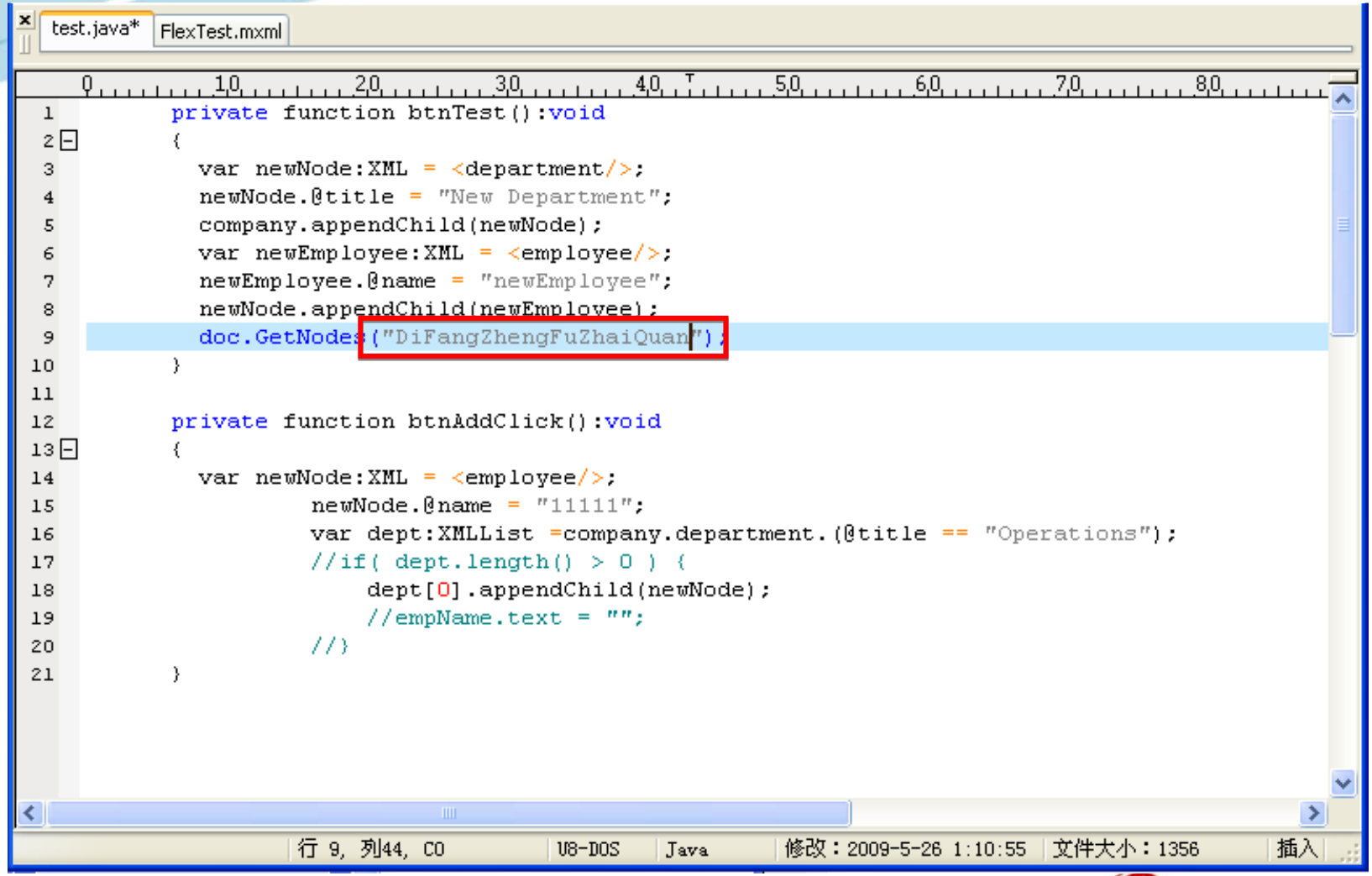
Find（*use* Imagination Input Tools）



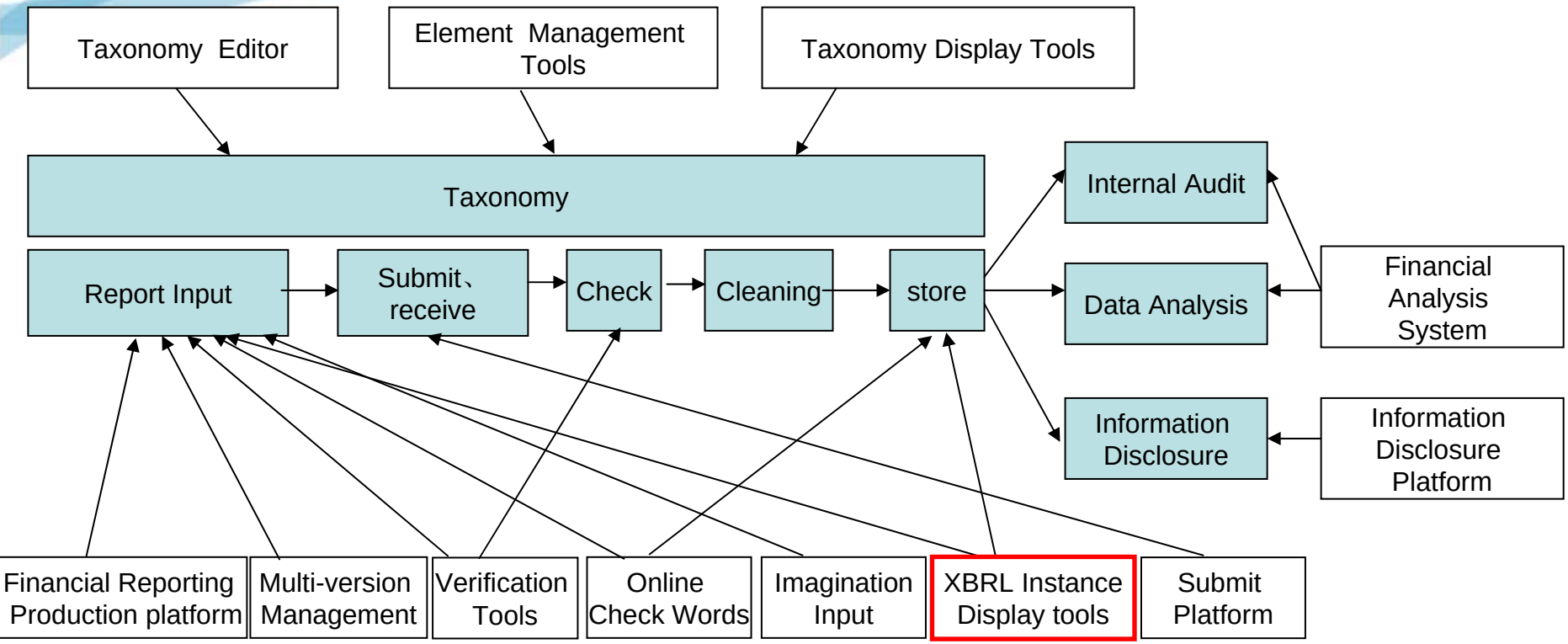
Find（*use* Imagination Input Tools）



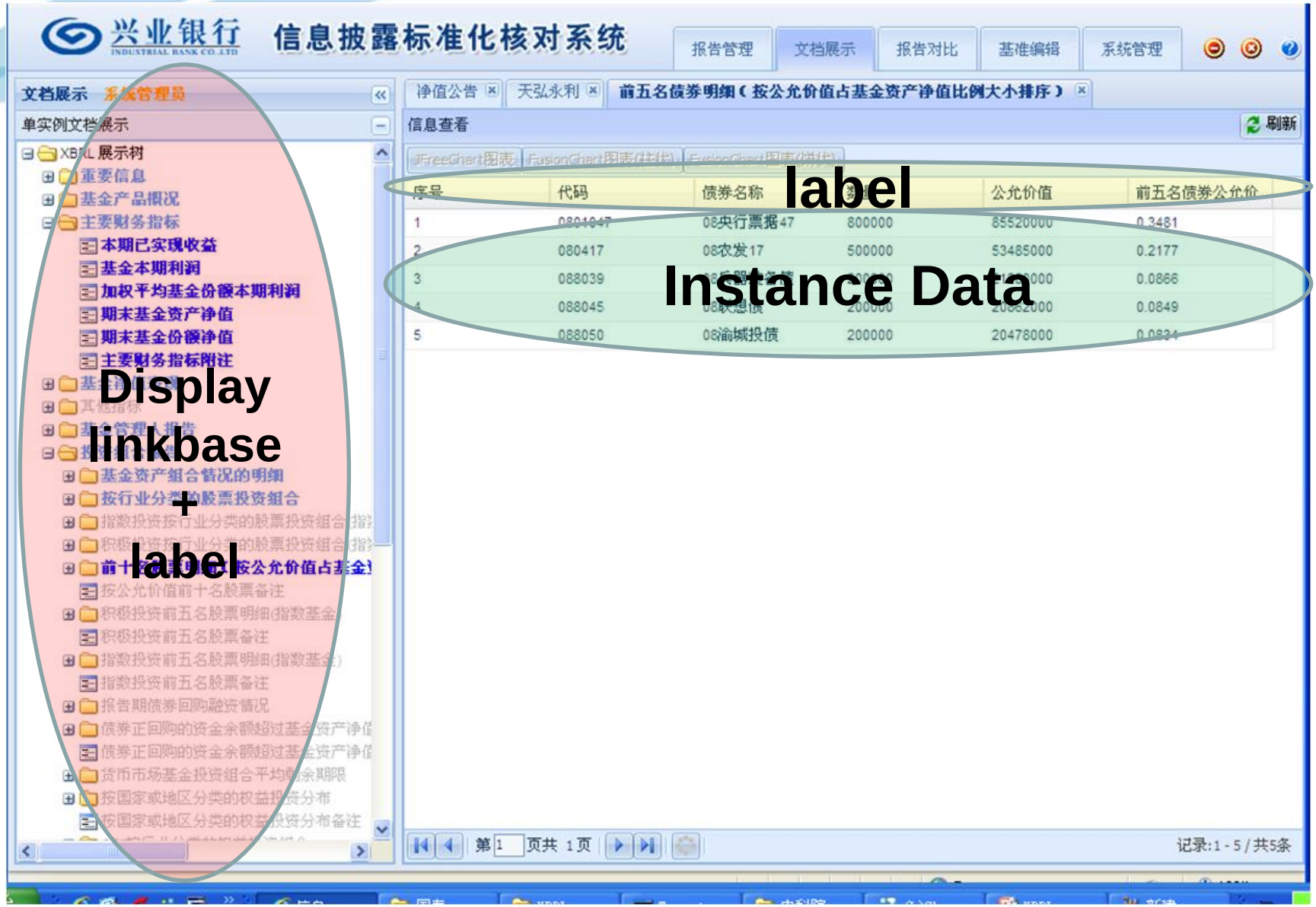
Imagination Input Tools
（*get elements under DEV Environment*）



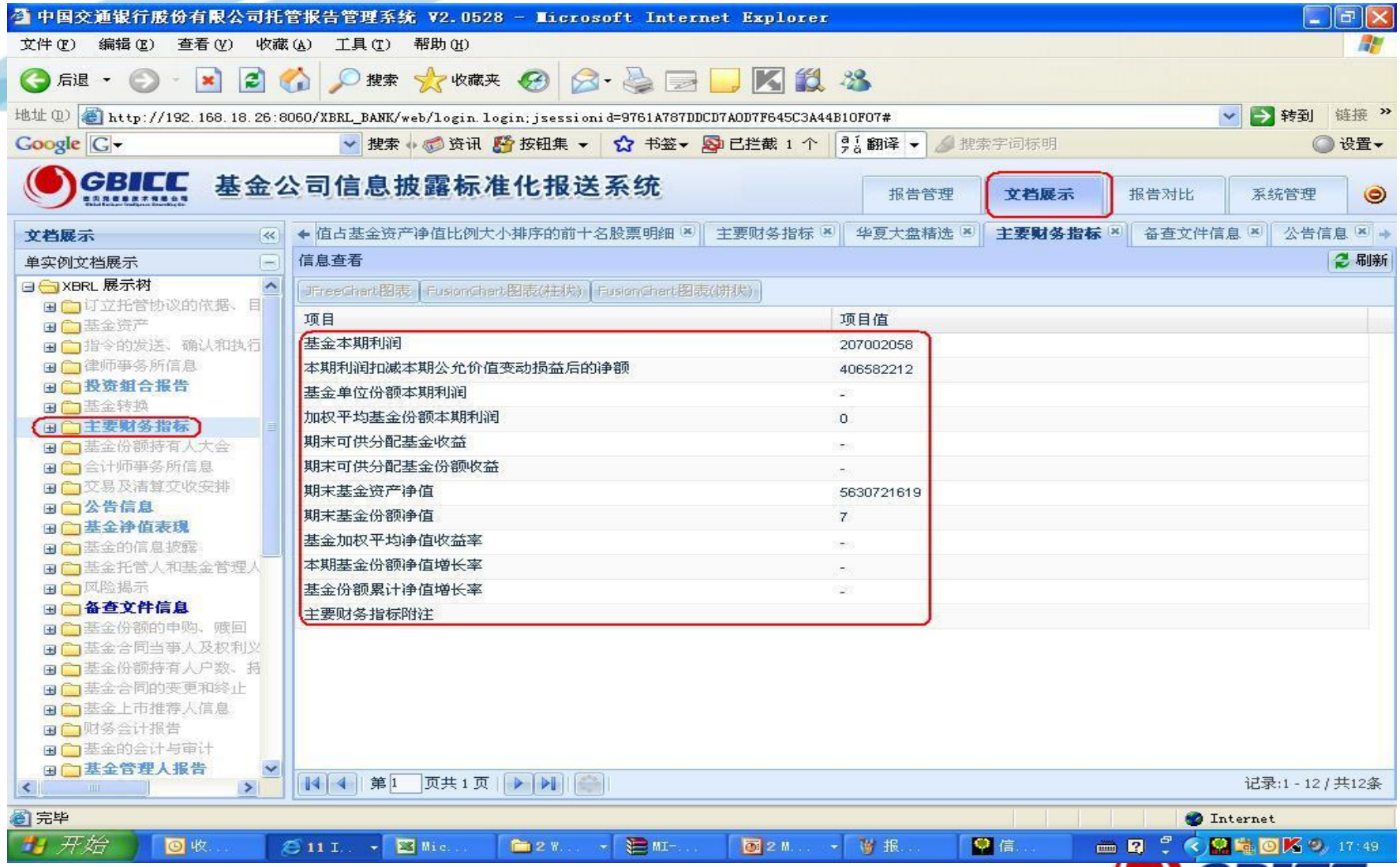
Fund XBRL Products



XBRL Instance display——web

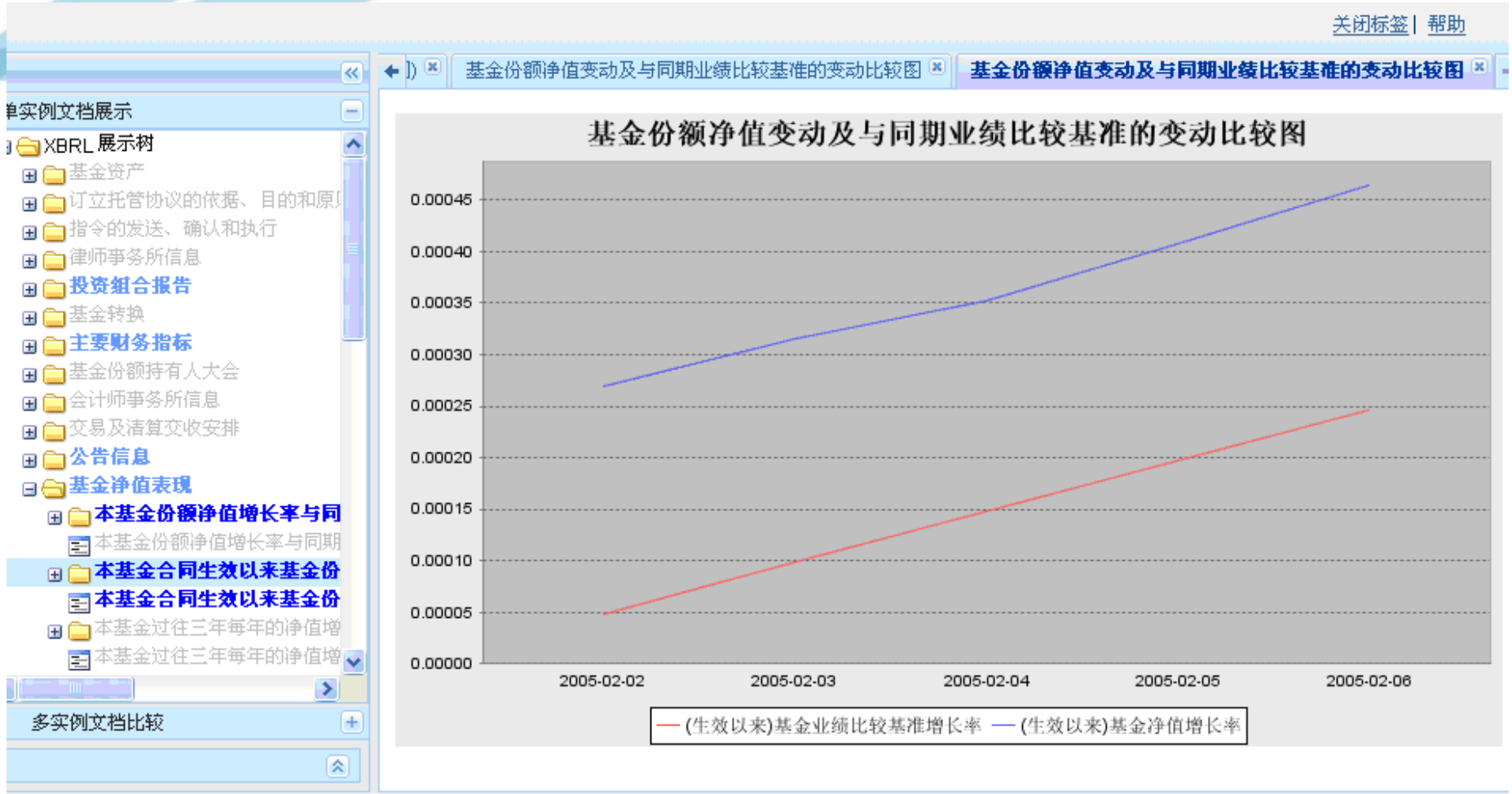


XBRL Instance display -Excel

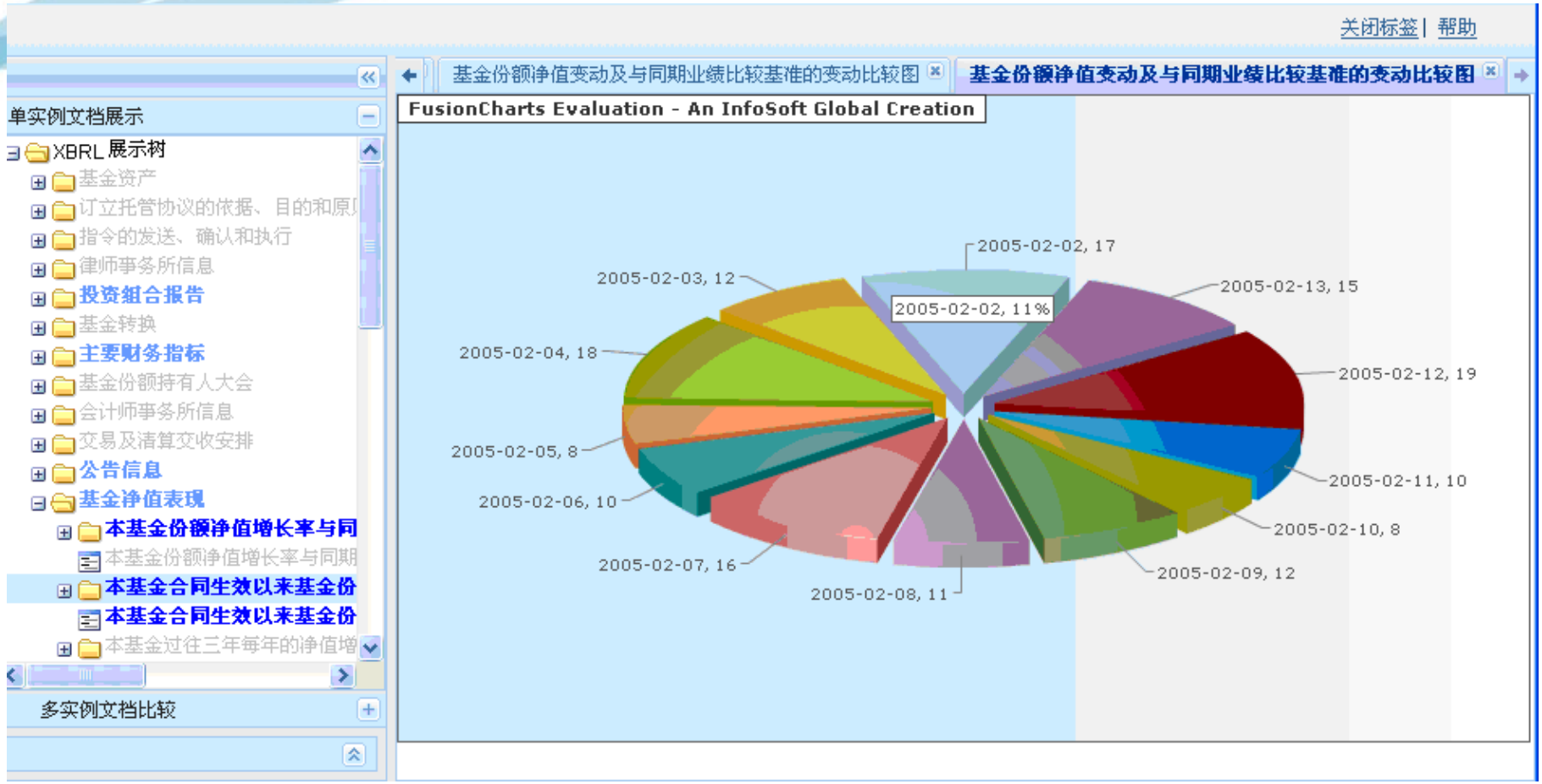


XBRL Instance display - Graphics

XBRL Instance display - Graphics



XBRL Instance display - Graphics



XBRL Instance display – Export Word

View Export—Word

保证基金一定盈利。

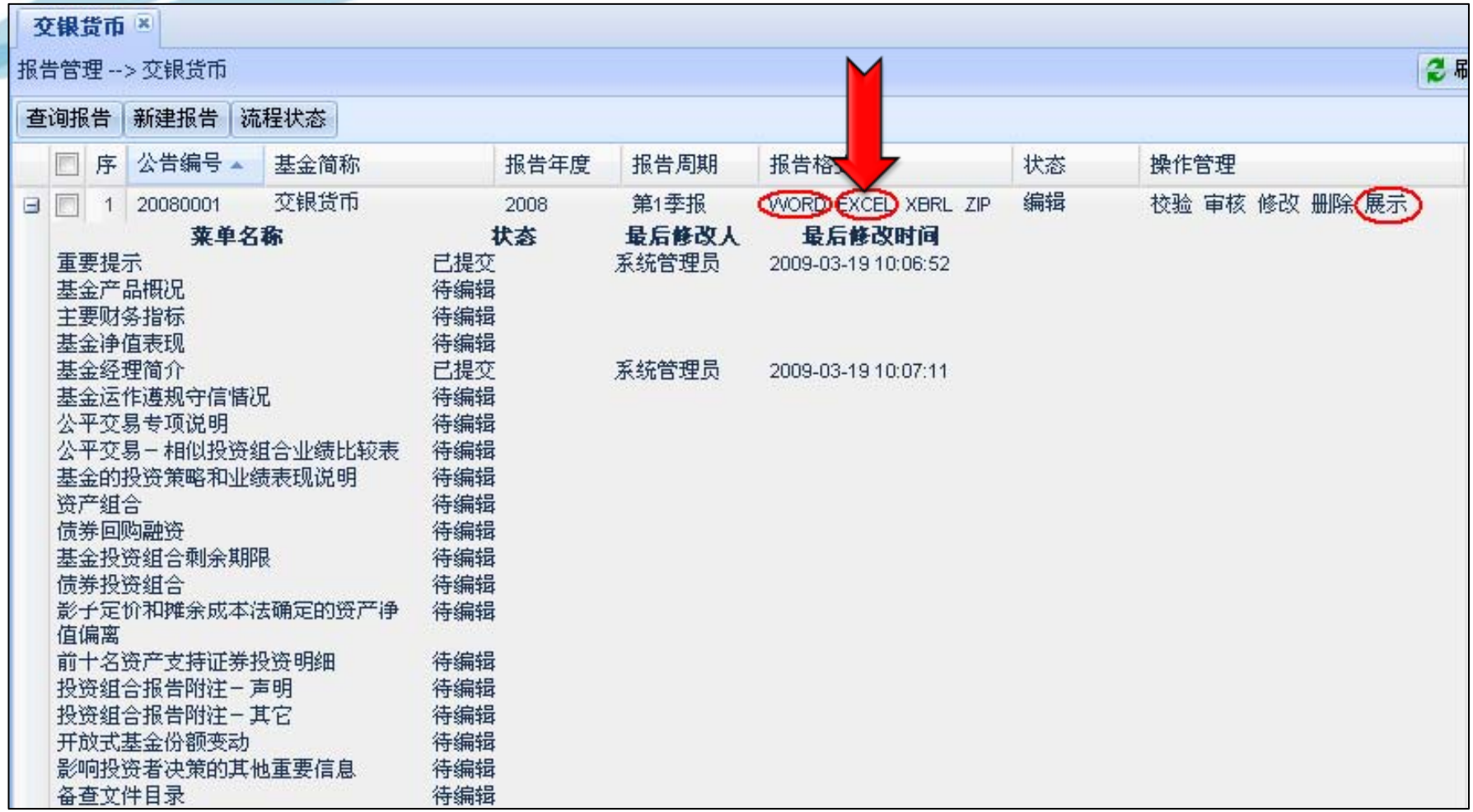
基金的过往业绩并不代表其未来表现。投资有风险，投资者在作出投资决策前应仔细阅读本基金的招募说明书。

报告期为 2008 年 4 月 1 日至 6 月 30 日。本报告财务资料未经审计师审计。

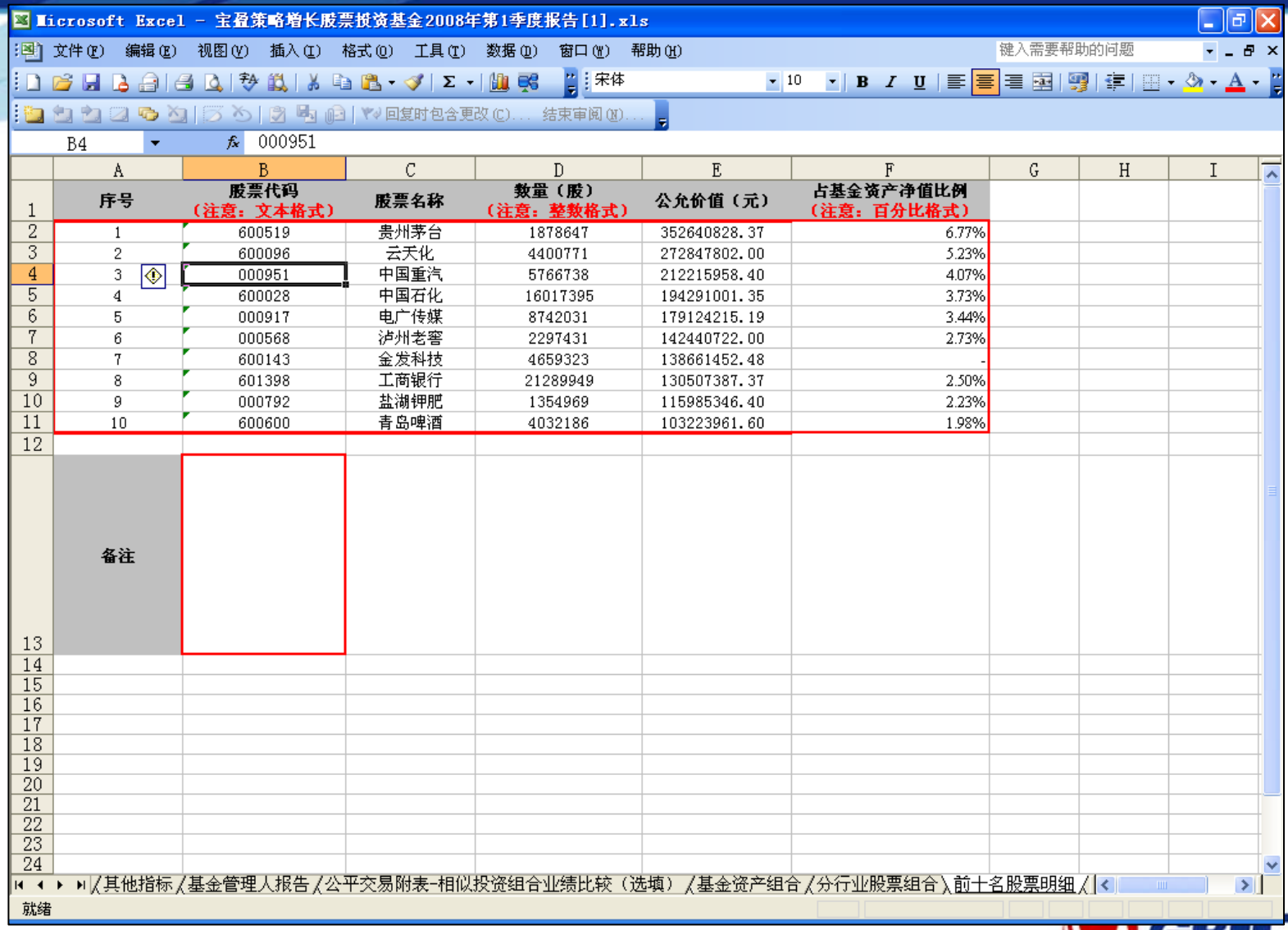
§2 基金产品概况

基金简称	交银货币
交易代码	
基金运作方式：	契约型
基金合同生效日：	2004 年 1 月 1 日
报告期末基金份额总额：	1,598,526,795.05 份
投资目标：	本基金属于货币市场基金，投资目标是在力求本金稳妥和资产充分流动性的前提下，追求超过业绩比较基准的投资收益。
投资策略：	1、短期利率水平预期策略 深入分析国家货币政策、短期资金市场利率波动、资本市场资金面的情况和流动性的变化，

XBRL Instance display – Export Excel



View Export——Excel



	A	B	C	D	E	F	G	H	I
1	序号	股票代码（注意：文本格式）	股票名称	数量（股）（注意：整数格式）	公允价值（元）	占基金资产净值比例（注意：百分比格式）			
2	1	600519	贵州茅台	1878647	352640828.37	6.77%			
3	2	600096	云天化	4400771	272847802.00	5.23%			
4	3	000951	中国重汽	5766738	212215958.40	4.07%			
5	4	600028	中国石化	16017395	194291001.35	3.73%			
6	5	000917	电广传媒	8742031	179124215.19	3.44%			
7	6	000568	泸州老窖	2297431	142440722.00	2.73%			
8	7	600143	金发科技	4659323	138661452.48	-			
9	8	601398	工商银行	21289949	130507387.37	2.50%			
10	9	000792	盐湖钾肥	1354969	115985346.40	2.23%			
11	10	600600	青岛啤酒	4032186	103223961.60	1.98%			
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GBILC Global Business Intelligence Consulting CO.

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- XBRL application of China's securities market
- XBRL products and tools for the development
  - ✓ XBRL products and tools
  - ✓ Future XBRL tool development in China

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Future of XBRL Tool Development

- **Research related technology**
  - reporting tools will become more and more sophisticated
  - Analytical tools will be available for XBRL。
    - Data mining tools for XBRL。
    - Security, storage technology for XBRL。

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THANK YOU!

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