



24th XBRL International Conference

"Transparency: with Available, Reliable, Comparable and Re-usable Data"

March 20-22, 2012 Abu Dhabi, UAE

Banking Symposium Project RAIN for the Banking Sector in Bermuda John Dill Tuesday, 20 March 2012





AGENDA

- Brief Overview of the Strategy
- Accomplishments to Date
- Scope
- Approach / Methods



The 2008 - 2013 IT Strategy

Key Findings

- Paper Management versus Paper Reduction
- Project Based Environment without a Project Execution Discipline
- Information sensitive environment without the structure to support it

Strategic AIM

3MA 2008

- The restructuring or redirecting of the Information Technology delivery towards a customer centric model.
- The fostering of best practice Information Technology governance and management approaches.
- The delivery of a flexible, "holistic" information management tool set that increases the overall efficiency and effectiveness.

Primary Initiatives

- Reinvent the Infrastructure
- Develop the team
- Project RAIN
- * ERIGA

Containment Positioning Advancement

Vision: The seamless and efficient flow of information amongst all stakeholders within the regulatory supervisory process.

- Information reuse is maximized.
- Stakeholders are focused on their core competencies.
- Information is used to create value for all stakeholders

Vision:

Information reuse is maximized.

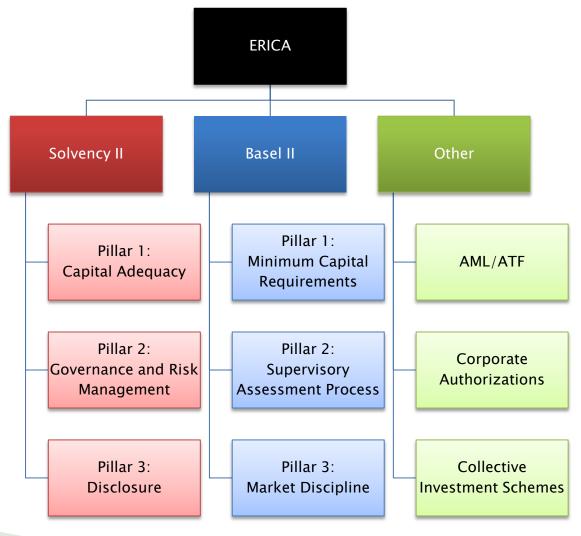
- Stakeholders are focused on their core competencies.
- Information is used to create value for all stakeholders

Critical Success Factors

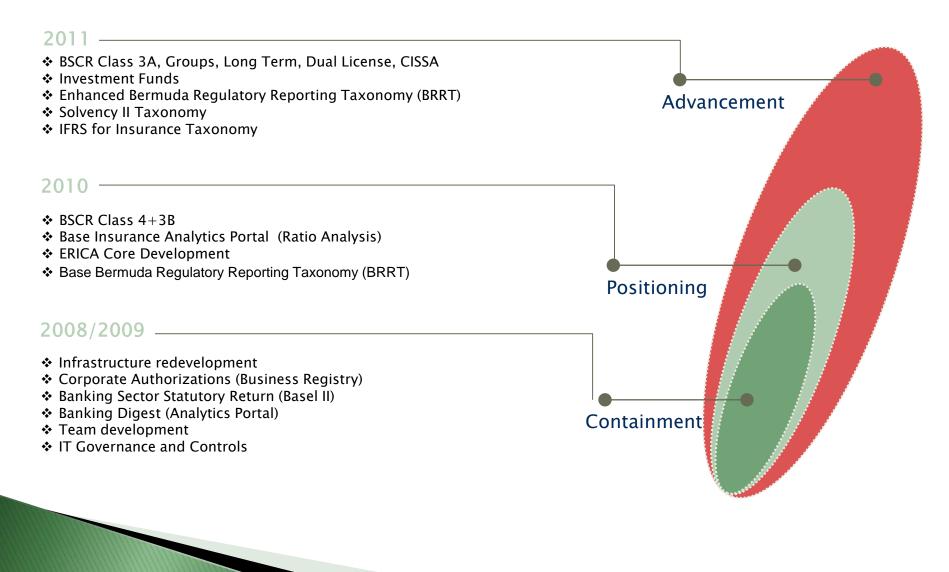
- Adequate human resources
- Adequate finances
- Executive support through the change cycle
- Effective IT Delivery

3

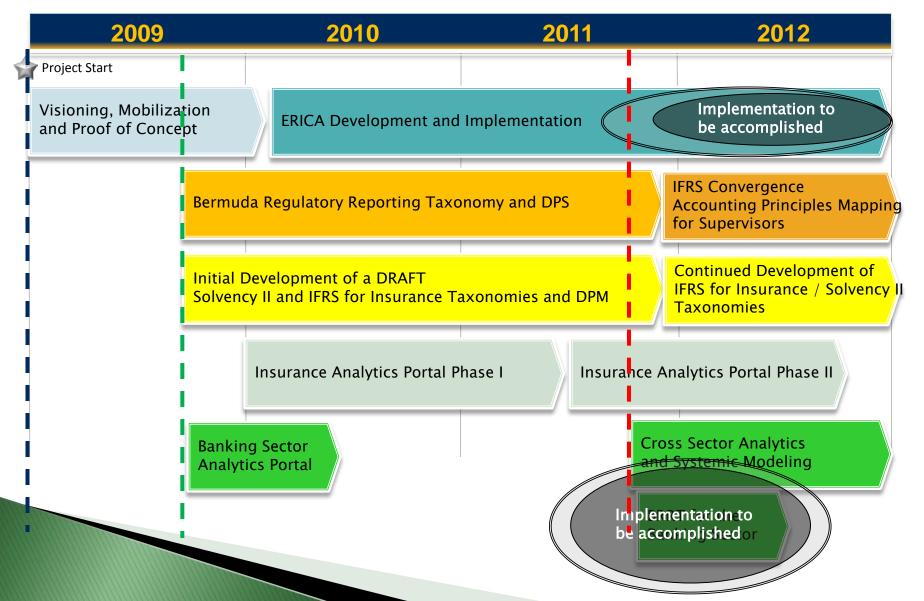
Project RAIN Scope



Accomplishments



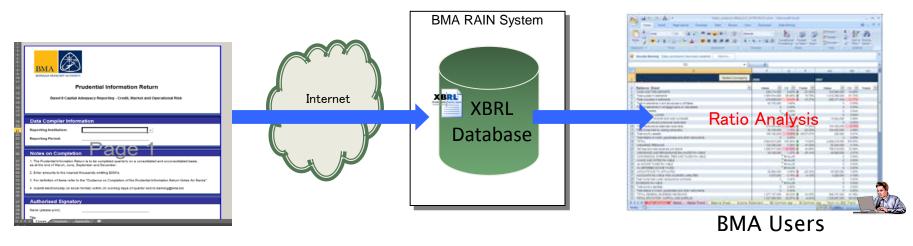
Project RAIN Current Status

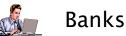


Project RAIN - in Banking

E-filing

Enhanced Analytics

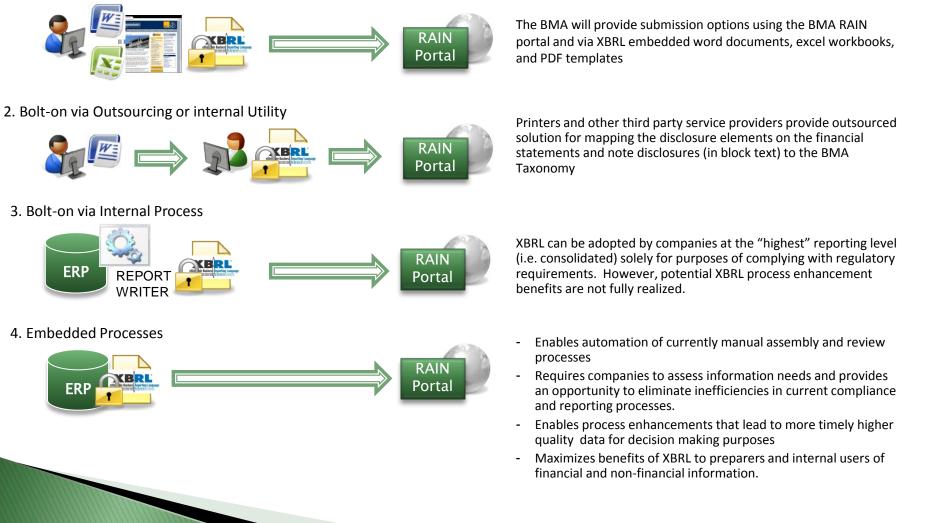




Capital Adequacy – Credit, Market, Operational Risk Liquidity Returns FX Returns Large Exposure Returns

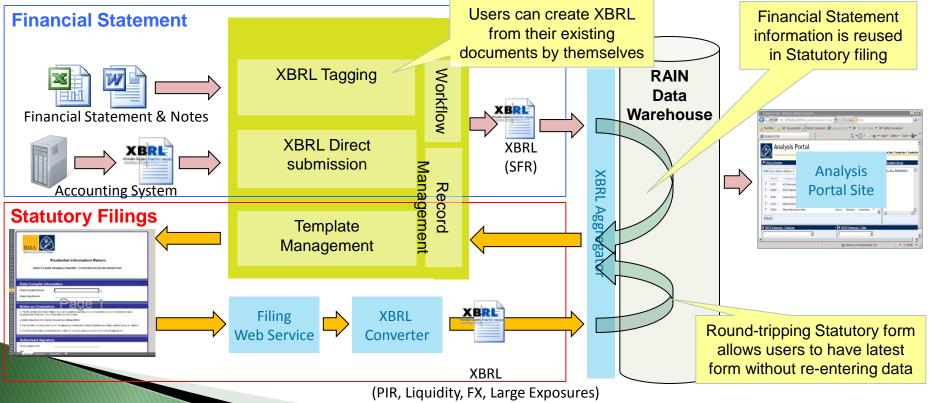
Current Adoption Approach

1. BMA provided XBRL enabled excel, word, and PDF templates and Web Interface

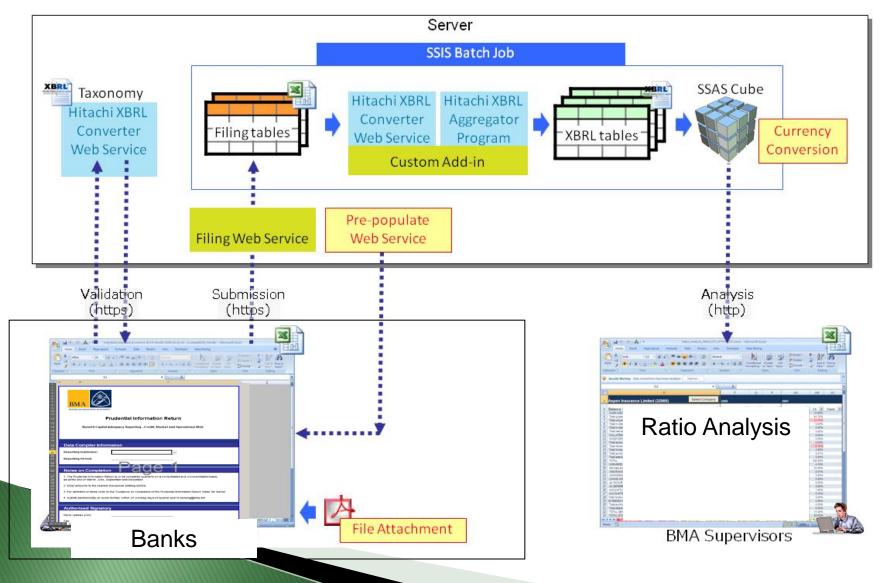


System Architecture for Banking Data Collection & Analytics

- Capital Adequacy Credit, Market, Operational Risk
- Liquidity Returns
- FX Returns
- Large Exposure Returns

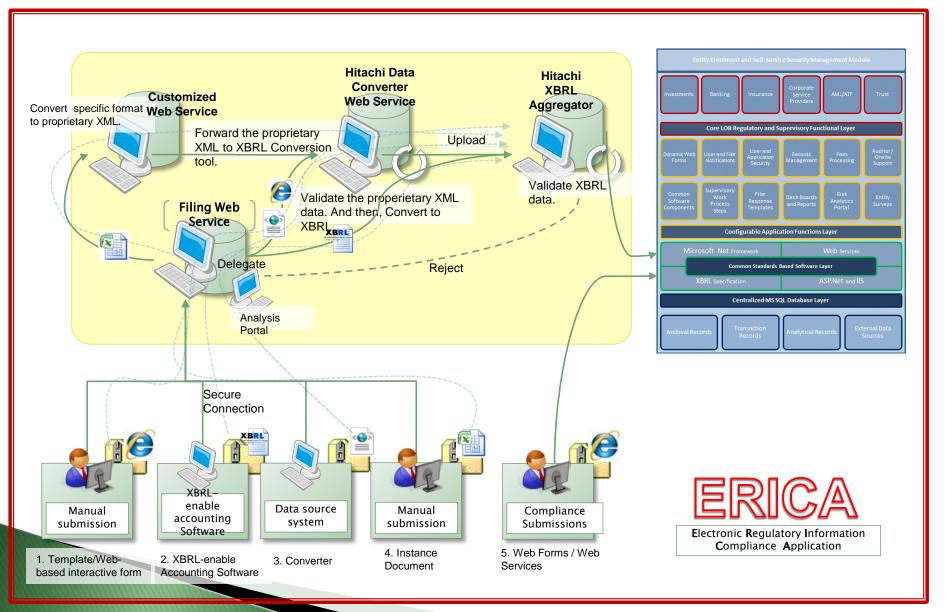


Banking Sector Reporting Sub-system

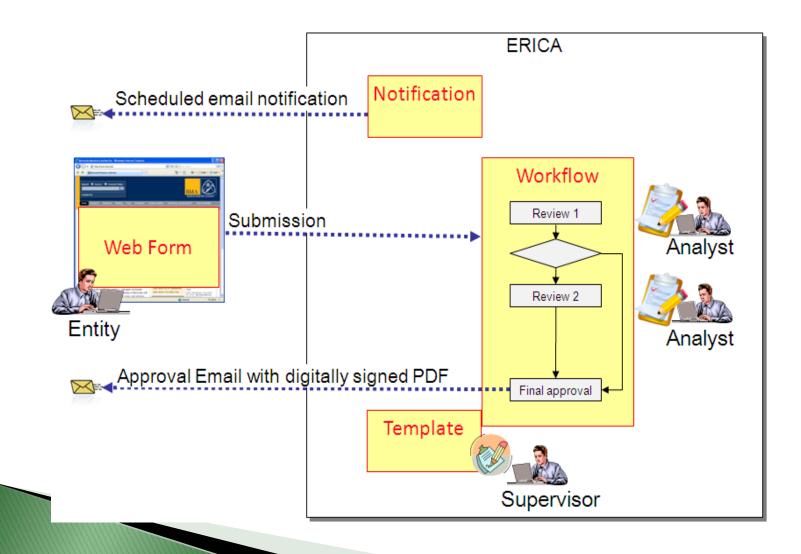


SFR Reporting Sub-system 1. Statutory Financial Statements and Risk report STATUS: Uploaded 2. Notes to Statutory Financial Statements Notes Tagging STATUS: Uploaded 3. Attach Files (SFR Attachments) 4. Submit XBRL Tagging Import RAIN Accounting System XBRL Aggregator Data 2.0- arter Analysis Portal Tag warehouse XBRL Analysis * Review Portal Site XBRL (SFR) Validate **Financial Statement** Signature Publish Notes

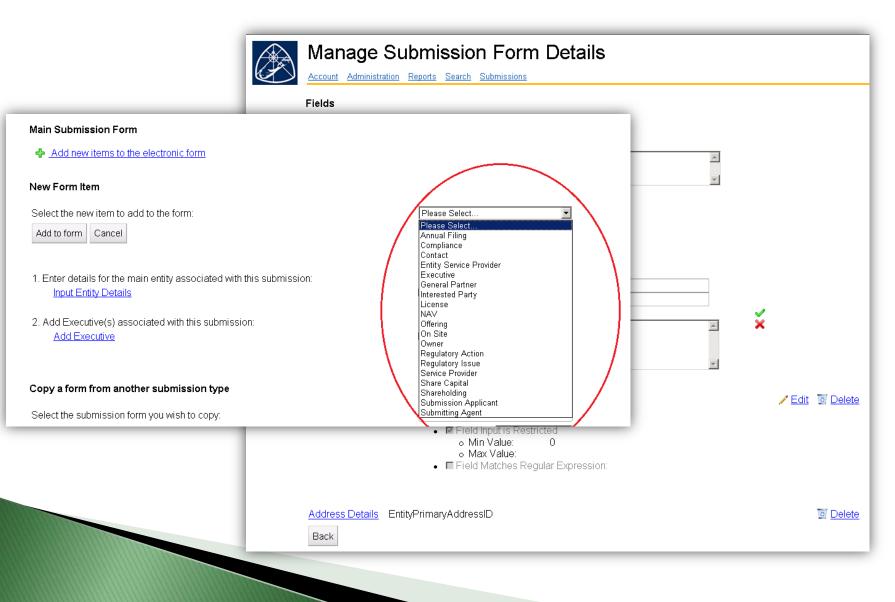
ERICA Big Picture



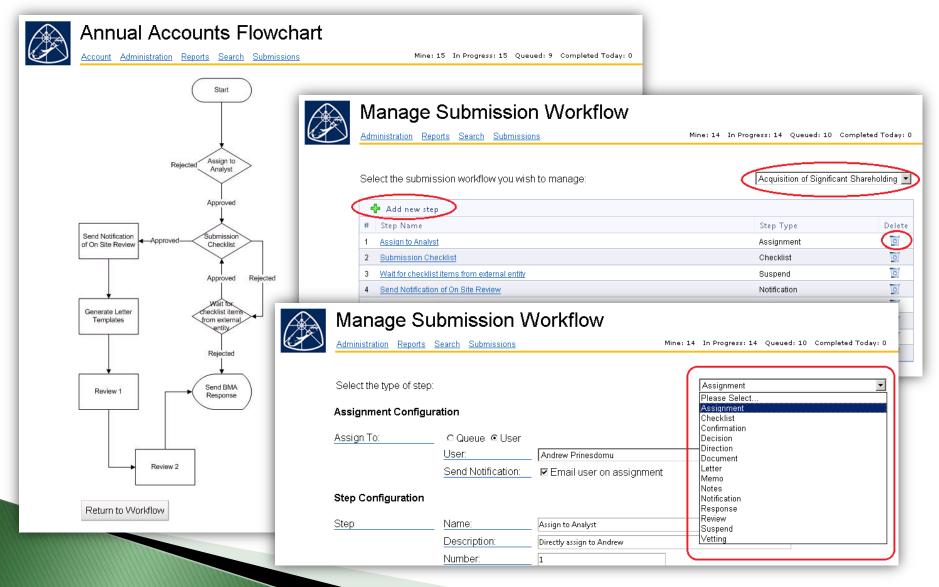
Four Configurable Areas in ERICA



Dynamic Form Configuration

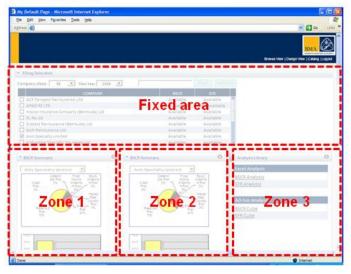


Dynamic Workflow Configuration

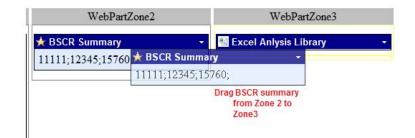


Configurable Analysis Portal Framework

Browse View



Design View



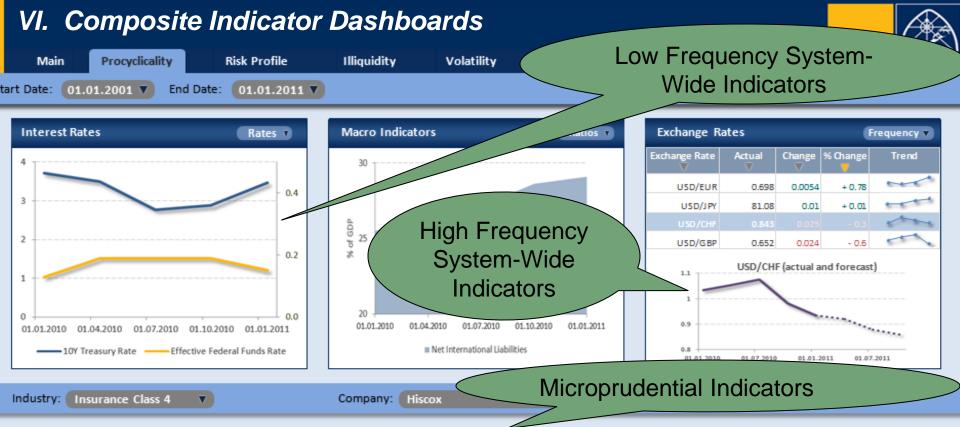
Catalog

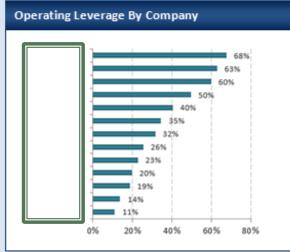


-based rvision	•Where exactly is the problem?	 Why is this happening? What actions are needed? 	What if these trends continue? LEVEL 3 Rank Companies By Vulnerability
Value		LEVEL 2 Group Companies According To Risk Profile (Market monitoring Extreme value modeling Scenario analysis & stress
ng Business	LEVEL 1 Rank Companies By Loss Severity	 Statistical Analysis Risk sensitivity & flagging Alerts/EWS 	 testing Systemic risk linkages Access external data bases Macro risk assessment
Increasing	 Query Drill Down Ad Hoc Reports Standard Reports Access data in primary systems/spreadsheets Credit ratings Root Cause Analysis 	 Market cycles Predictive modeling Dispatch aggregated risk profile reports by exposure on demand Micro risk assessment Sector risk profile 	
	Risk-Based Analysis	1	Risk Drivers

Risk-b super

What will happen next?





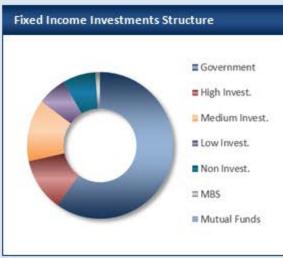


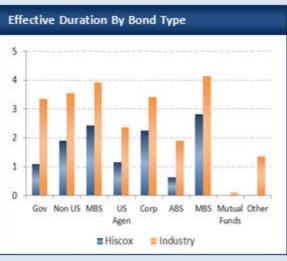
Combined (Loss & Expenses) Ratio





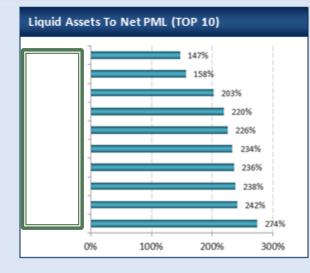




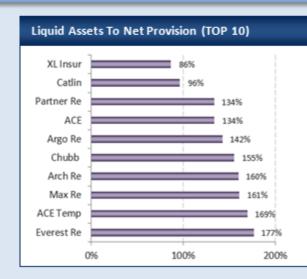




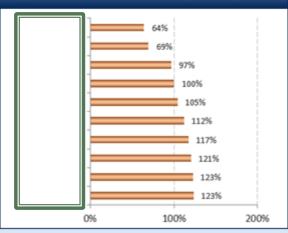
Industry: Insurance Class 4

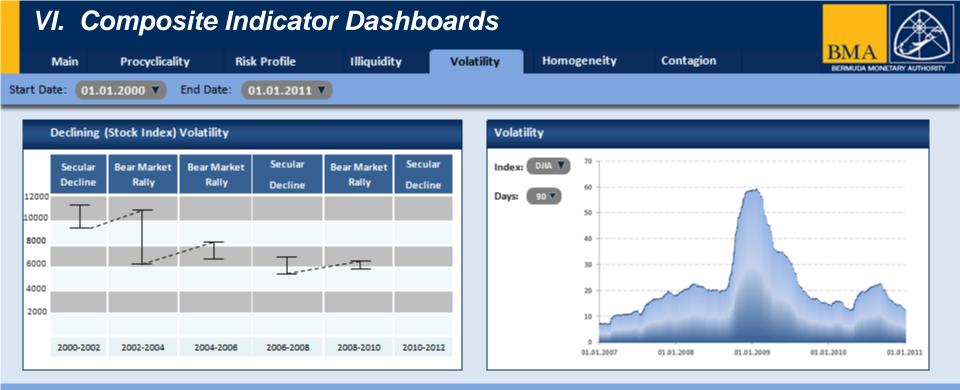


 $\mathbf{\nabla}$

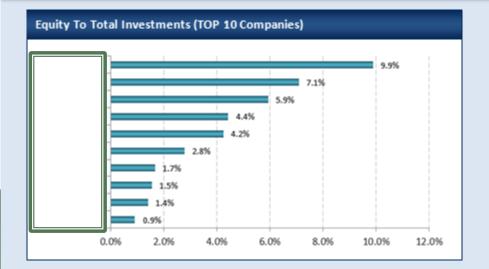


Liquid Assets To Total Liabilities (TOP 10)





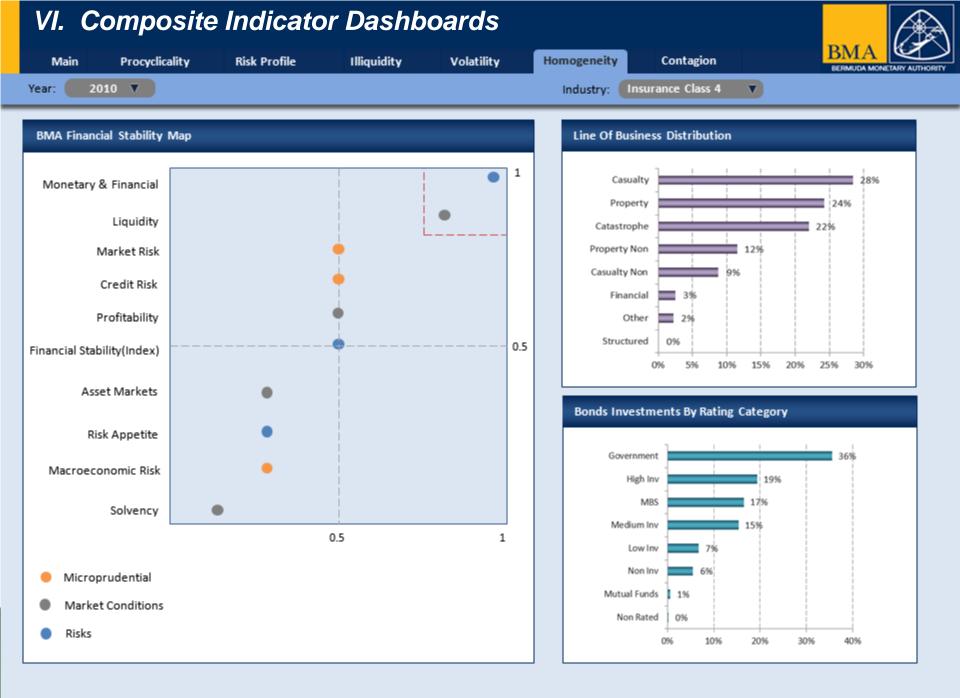
Industry: Insurance Class 4

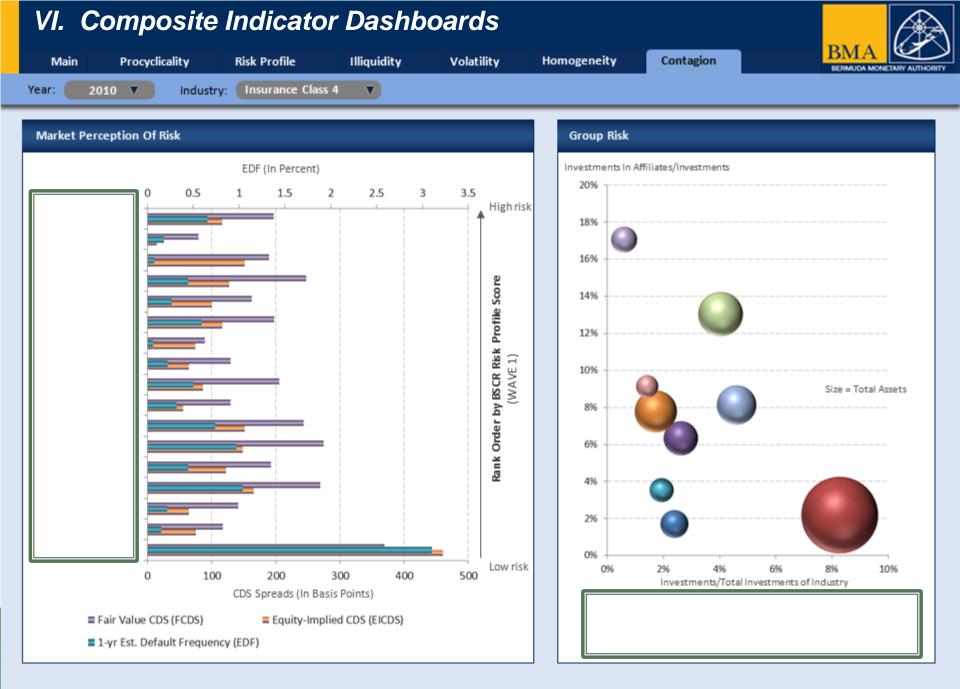


•









Risk Based Analysis



V. Connecting The Dots (Scenarios)

	Income	Assets	Liabilities
1. Procyclicality	 Under pricing (premiums) Aggressive underwriting strategy (Risk appetite) Timely market information (EWS) 	 Higher risk investment strategies Poor risk appetite decisions Fall in asset values Rates of return 	• Under reserving
2. Risk Profile Mismatch/Misprici ng	 Underwriting profitability Ineffective price discrimination (poor market segmentation) Lumpy risk profile Poor underwriting strategy 	 Asset/liability exposure Investments underperform Failure to correlate risk profile of asset and liabilities (asset value falls, liabilities increase) ALM mismatch exposes firm to market swings 	 Adverse claims experience Inaccurate loss evaluation Outstanding claims ratio s not inline with peers.
3. Illiquidity	• Underwriting losses (premiums set too low) erode solvency margin	Illiquid investmentsFixed investment value	 Insufficient or illiquid technical provisions
4. Volatility	 Interest rate fluctuation 	 Undervalued investments/Losses 	 Undervalued technical provisions Double gearing
5. Homogeneity	 Poor underwriting judgment Credit quality of guarantees 	 Herd behavior Concentrations (LOB, risk classes, geo, asset classes) Diversification 	 Funding source diversity=
6. Contagion/ Spillovers/Linkages	 Management fail to make the appropriate risk aggregations Financial result volatility 	 Falling asset prices Common mode failure/catastrophe worse case loss (worst event in recent memory) 	 Unexpected gross underwriting loss Contingent off-balance sheet items

Discussion

