

Paolo Sironi - Algorithmics, an IBM Company

Tullio Lucca - Intesa Sanpaolo, Direzione Risk Management

Soluzioni di Risk Analytics per il Wealth Management



IBM Risk Analytics combines the capabilities of Algorithmics, OpenPages and IBM to drive client outcomes

Banking and Financial Markets (Sell Side)

Asset owners, asset servicers and asset managers (Buy Side)

Operational Risk, GRC and Content

 ChartisResearch

 Risk
TECHNOLOGY RANKINGS
2011

 HFM
AWARDS
WINNER 2012
EUROPEAN HEDGE FUND SERVICES AWARDS
Best risk management technology provider

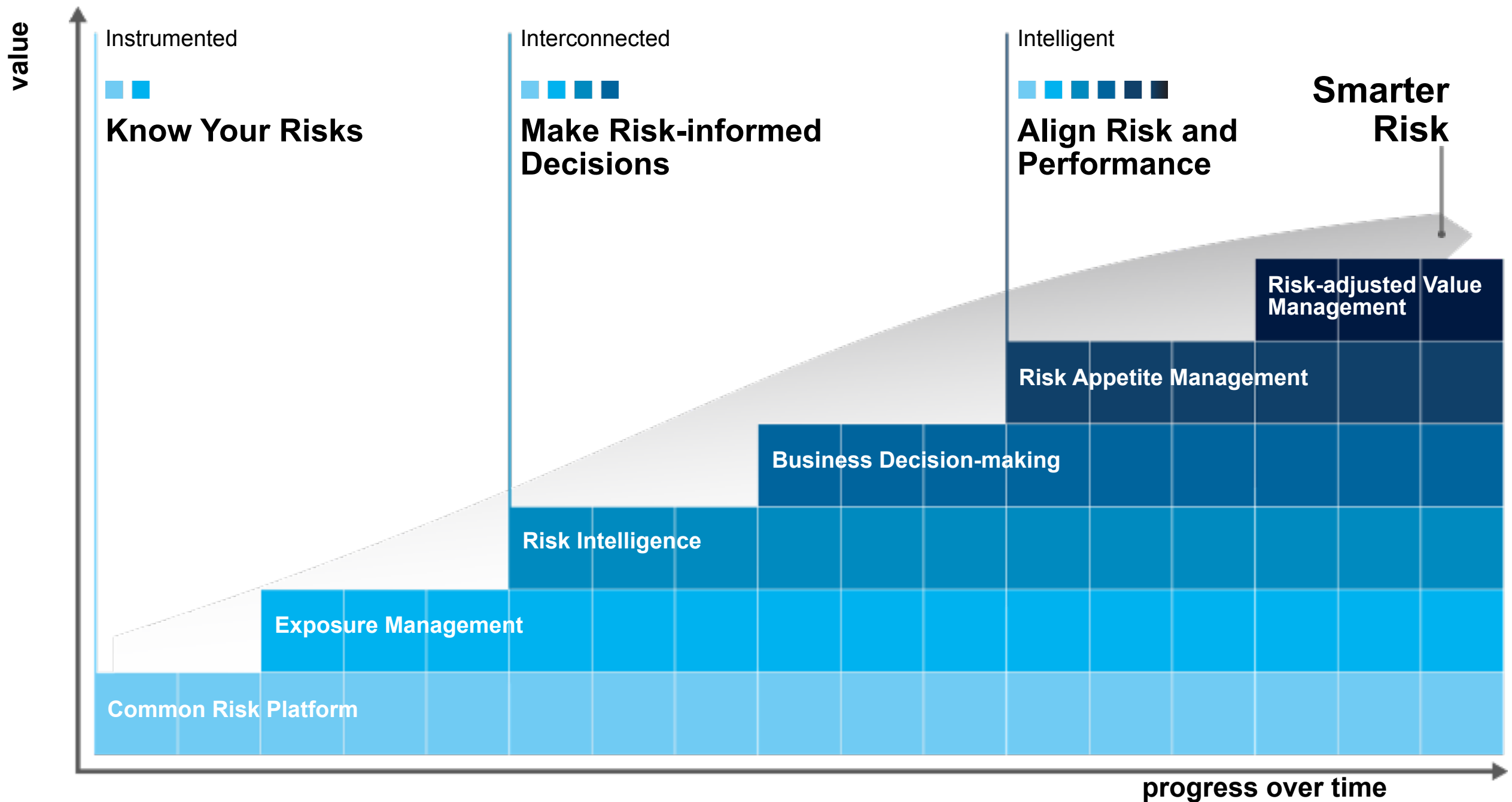
 FORRESTER

 waters
rankings
1 2011
3
Best Risk Analytics Provider
Winner
Algorithmics

 Buy-Side
Technology

 Life & Pension Risk

Risk Analytics is an ongoing journey



Risk Analytics transform business models

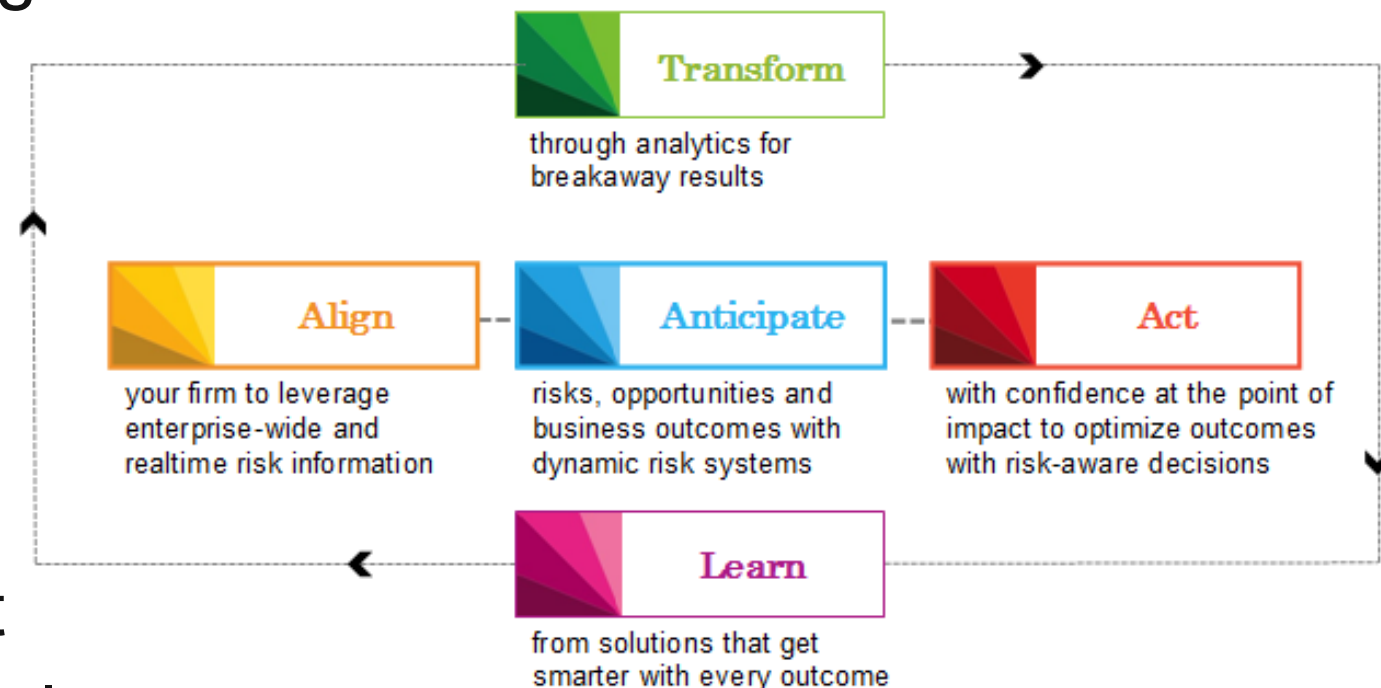
IBM Smarter Analytics is a holistic approach that turns information into insight and insight into business outcomes

IBM Risk Analytics defines Smarter Analytics for Risk

Firms that use advanced risk analytics broadly in their business decisions **perform better** than others.

They align around insights, anticipate risks and opportunities, and act to **optimize outcomes**.

They learn continually and as a result can **transform** their business models.



Investors demand simple answers to simple questions in complex economies.

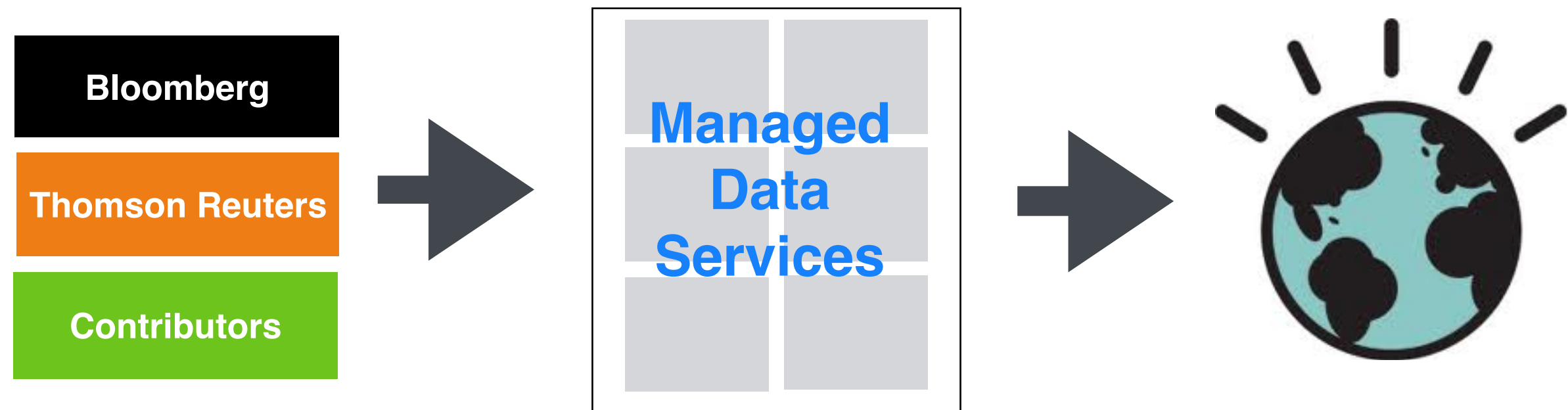
The IBM move in Wealth Management Analytics, that follows the acquisition of Algorithmics, is part of a strong commitment to deliver **transformational technology** that simplifies the banking experience to ensure that financial advisory:

Align - Is performed on strong data evidence and foundations (re. [Managed Data Services](#)).

Anticipate - It is acted in the best interest of the client (re. [Multi-Period Optimization](#)).

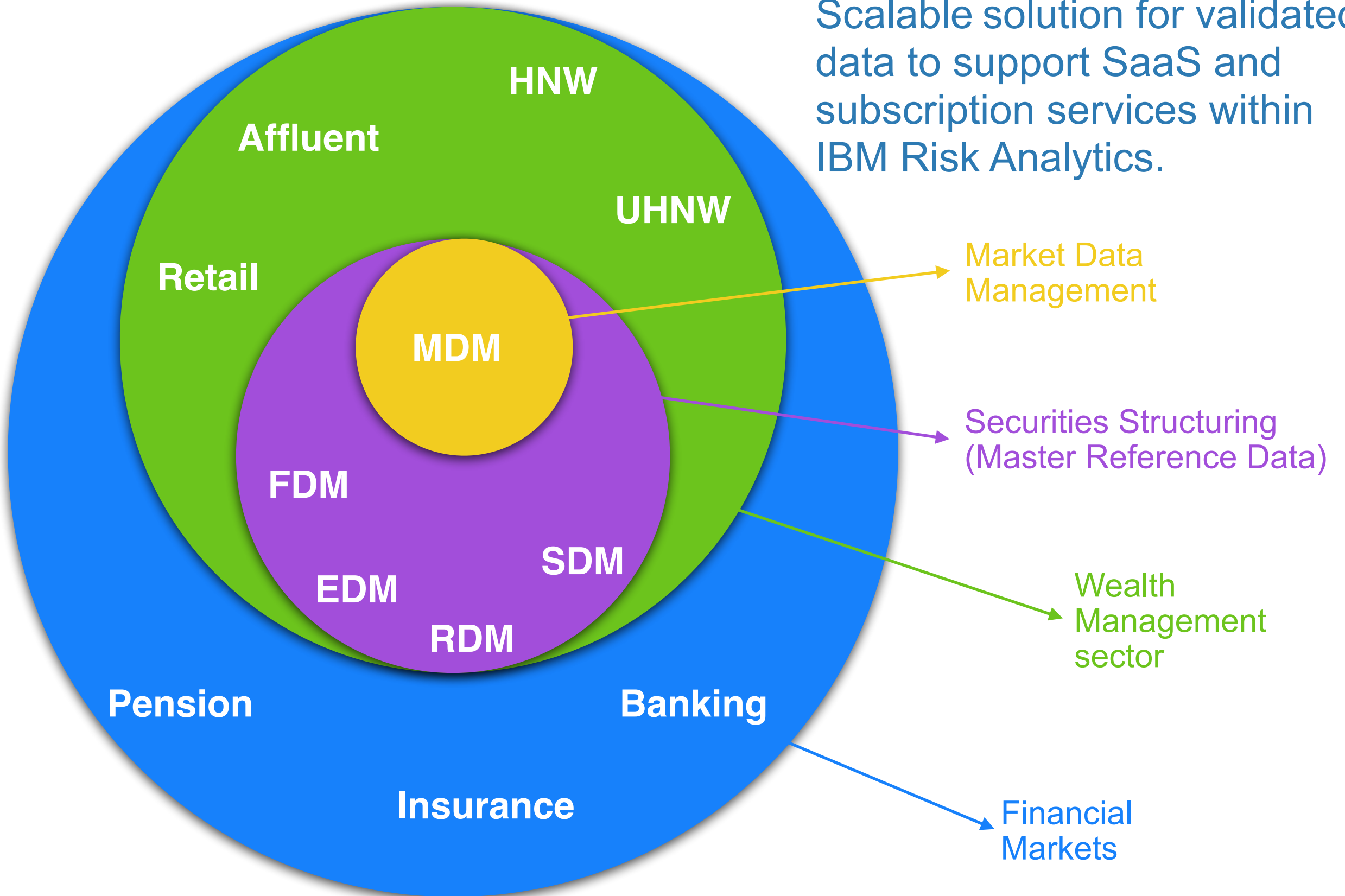
Act - It enhances the customers' experience by means of financial intuition (re. [What-if MtF scenarios and graphical representation](#)).

Poor Data - Poor Analytics



Good Data - Good Analytics

Scalable solution for validated data to support SaaS and subscription services within IBM Risk Analytics.



We thank Intesa Sanpaolo for this contribution to the conference.

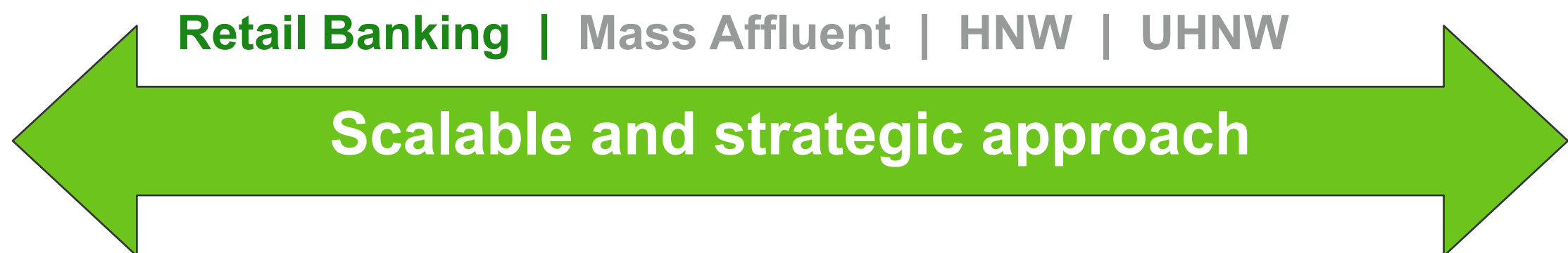


Build a stronger business with:
- monitoring and regulatory compliance.

Advanced portfolio and risk/return analytics allow wealth managers to properly construct and allocate investors' portfolios.

This enables to **grow our business**, irrespective of the scale or make-up of the client base.

We looked for Analytics' solutions capable to address the needs of all wealth managers in **retail and private banking**, as well as **ultra high net worth investments**.

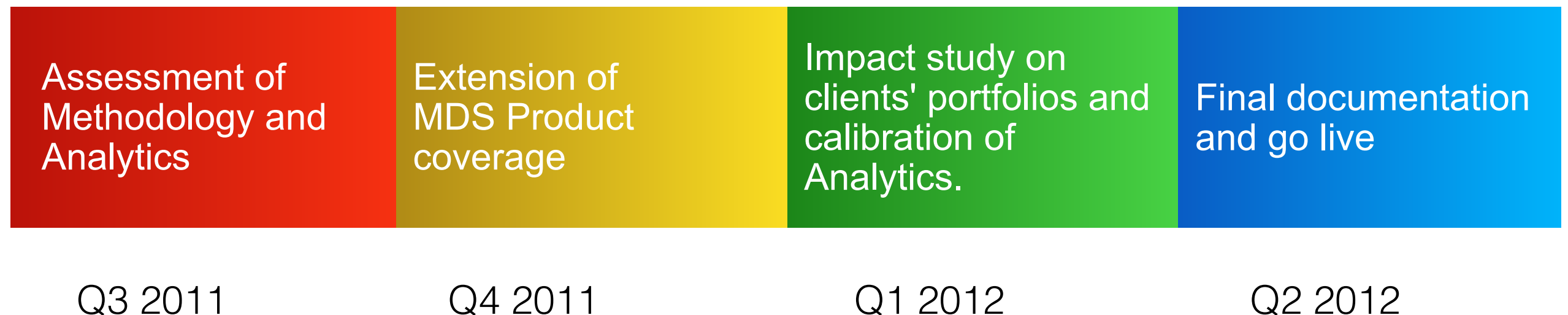


IBM Risk Analytics supports Intesa Sanpaolo clients operations.

Focus - Retail and Private banking operations throughout Italian branches.

Scope - Risk measurement of ca 3 million individual clients' investments to fulfill MiFID and CONSOB regulation and facilitate better informed investment decision making.

Services - IBM Algorithmics Wealth Management delivers potential profit and loss simulations for more than 40000 potential investments in financial securities (Bonds, Investment Funds, Certificates, Stocks, Insurance contracts, Discretionary Portfolios) by simulating more than 5000 individual risk factors (e.g. Interest rate curves, credit spreads, fx rates, inflation expectations, ...)



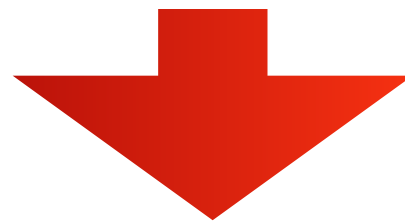
Why Algorithmics, an IBM Company?

Recognition - internationally recognized player in the space of Risk Analytics.

Consistency - Risk Analytics need to be consistent with investment banking and proprietary trading as they are also based on Mark-to-Future technology.

Transparency - Risk Analytics need to be transparent and facilitate autonomous validation of inputs and outputs.

Customization - utilize Risk Analytics in a service modality without loosing on the possibility to **customize**, **refine** or **amend** available analytics to better fit Intesa Sanpaolo **knowledge**, **preference**, **expertise** and **competitive advantage**.



Think Same Language

Proprietary Laboratory Environment to structure and assess risk/return autonomously.

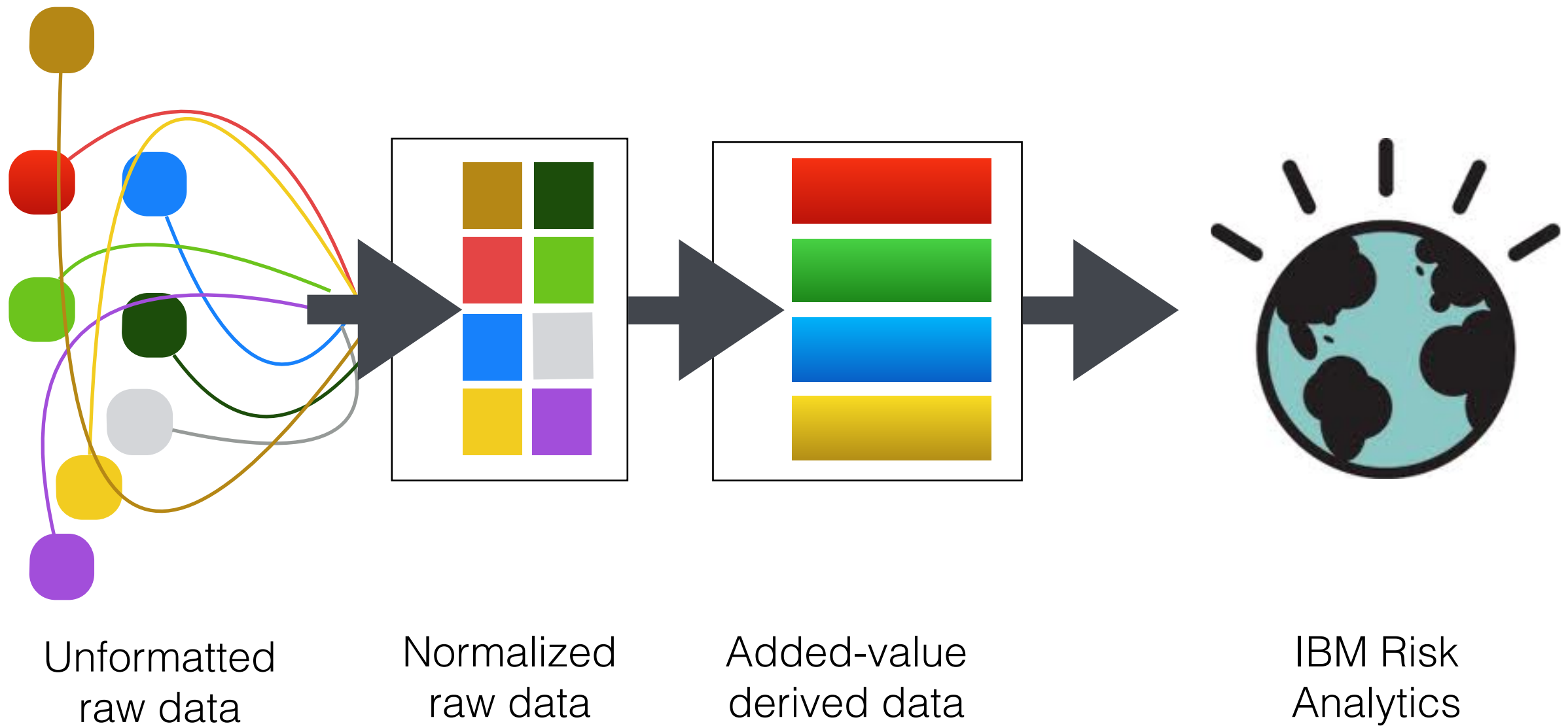
Focus on customization.

Product Structuring - assessment and simulation.

Enhancement - outputs are inputs to proprietary analytics which are capable of enhancing and integrating specific credit risk models (default)

Modular solution - Project implementation perceived as evolution, not replacement, of existing infrastructure as it has been deployed as a "smart plug-in" where relevant.

Strong Risk Analytics require strong data evidence and foundation



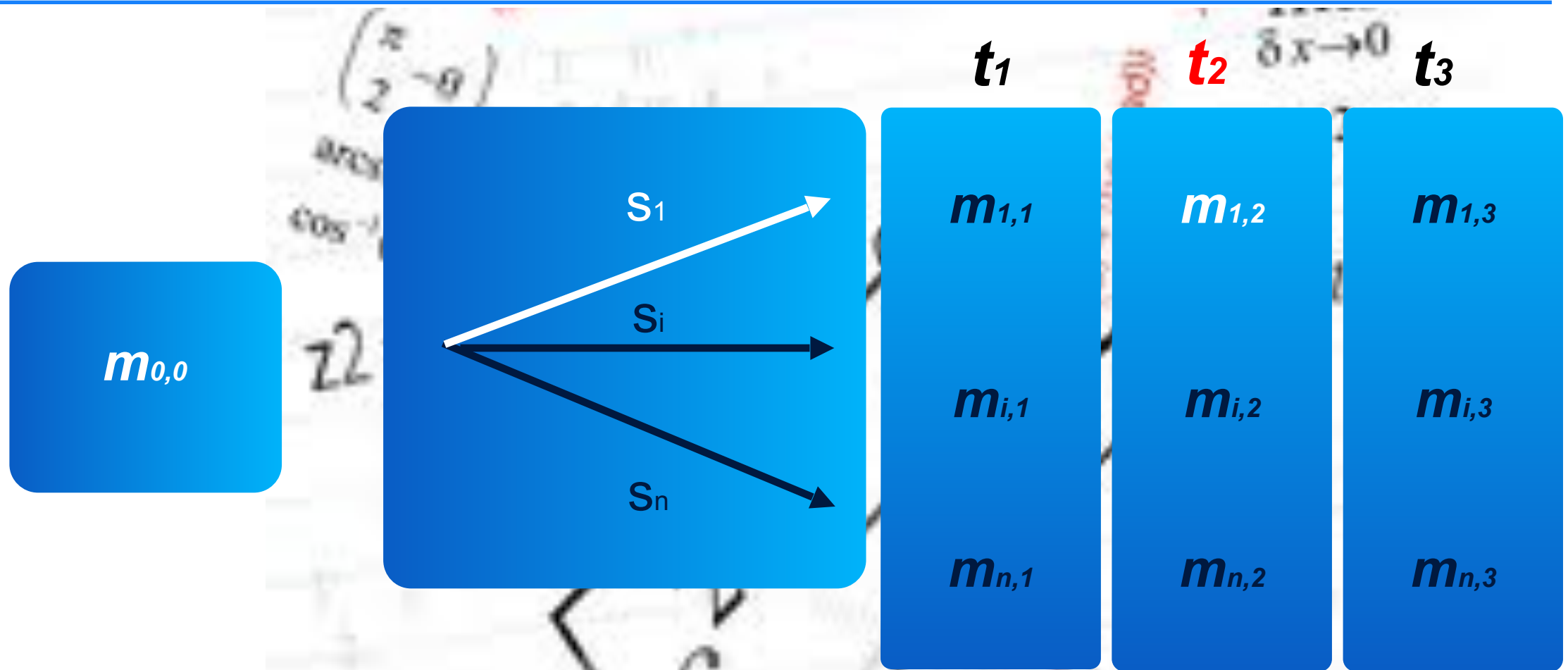
This requires both rigorous data transformation and capability to enhance/enrich available data to achieve high level of fungibility.

Consider a single financial instrument ... Mark to Future

Mark-to-Market

Scenarios

Simulation



**Heavy calculations
computationally
intensive**

