



RIXML.org

Research Information Exchange Markup Language

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Discussion Points

- **RIXML overview**
- **Applications**
- **Bigger picture**
- **Conclusion**

What is RIXML?

- **A standard**

- RIXML is not a product, it is an information schema, to be used as a standard for indexing investment research
- The RIXML standard provides extensive capabilities to tag any piece of research content, in any form or media with enough detail for end users to be able to quickly search, sort and filter aggregated research. RIXML utilizes XML (Extensible Markup Language), the global standard for data sharing between internet applications.
- Consumers of research – mainly investment management firms – spend a large proportion of their time searching for relevant information.
- Use of RIXML by publishers will allow searching across multiple repositories of research content using the same criteria
- Reducing search costs has a direct positive impact on competitiveness

What is RIXML?

- **An organisation**

- RIXML.org started as a partnership between brokerage firms that create large amounts of research and investment managers that both consume brokerage research and create their own content
- the organisation has now expanded its membership, which is now made up of 4 major constituencies:
 - investment managers
 - brokerage firms
 - aggregators of research
 - software firms

What RIXML is/what it is not

RIXML *IS*:

- the indexing that describes a document, not the document itself
- a set of components and rules that enable clear description of investment research and other investment data
- a standardization of terms used to describe certain aspects of research, such as security type, region, etc.

RIXML *IS NOT*:

- a search engine
- a data repository
- a subject thesaurus
- a definition of format or content of documents (resources) themselves
- a standardization of the types or formats of resources (documents, audio files, etc.) allowed
- a standard to define how data is to be transmitted

Information overload

- **Over 1.7 million documents published by sell-side members of RIXML**
 - Buy-side e-mail inboxes strain under the weight of content being sent from analysts, sales, alerts, etc
 - Voicemail boxes saturated in the early morning
- **Support for RIXML helps to make sense of content**
 - Lack of a common metadata format among publishers
 - Aggregators each had their own “standard”, but it was usually less rich than those of the individual publishers
 - Net result was poor results from searching, leading to lowered expectations, and reliance on symbol searches

Solution

- **The schema**

- RIXML.org has produced a piece of intellectual property in the form of an XML Schema
- This is used by publishers to validate the indexing of their documents, and by consumers to aid searching and navigation

- **RIXML provides a granular framework that applications can use to manage information flow**

- Better indexing = More accurate searching = Time saved
- Information search costs are now due to a surfeit of information
- The structure of the schema provides a basis for ways of navigating data

How it works

- **Product**

- defined as any research concept, e.g.: morning meeting comment, industry report, conference invitation, company model

- **Packages**

Source
defines who
published and
authored the product

Content
contains the title of
the content, an
abstract and
synopsis, and its
location and status

Context
contains metadata
categorising the
content

Legal
contains copyrights,
disclosures and
disclaimers



XBRL data goes here

RIXML Evolving...

- **Version 1.0 (April 2001)**
 - Equities content supported, tags for author, reason for publishing etc.
- **Version 2.0 (June 2002)**
 - Leverage existing equity taxonomy to enable multi-asset class content integration, commencing with Fixed Income credit research
 - Support for tagging events: broker meetings, conference calls, etc.
- **Version 2.1 (December 2003)**
 - Supporting changes to way that ratings are applied
- **Version 2.2 (currently open for comment)**
 - Supporting integration with XBRL schema, to leverage deeper financials coverage

Benefits of adopting RIXML

For Research Consumers

- Expedite searching and accessing content
- Reduce information overload and increase efficiency of personal usage and delivery
- Improve access to research by standardizing sorting and filtering criteria

For Research Publishers and Distributors

- Maximize value of research by making it more manageable
- Increase efficiency of distribution
- Enable transmission of new content types such as thematic research or earnings models research by standardizing sorting and filtering criteria

Applications of RIXML

A sell-side firm that adopts RIXML:

- May use RIXML tagging in their internal research-creation process
- Will definitely use RIXML tagging in the metadata of the research they distribute to third-party data aggregators and directly to clients

A 3rd party data aggregation firm that adopts RIXML:

- Will have a mechanism to accept research reports or other content with RIXML-tagged metadata
- May have a mechanism to assist non-RIXML-compliant firms to add RIXML-based metadata to the content they contribute to the aggregator
- Should provide an interface that allows end-users to search using the enhanced metadata

A buy-side firm that adopts RIXML:

- May use RIXML tagging in their internal research-creation process
- Will benefit from enhanced search capabilities provided by 3rd party data aggregators
- Will use RIXML-based feeds to take metadata and research directly from sell-side firms

Applications of RIXML

The enhanced metadata of RIXML allows for

- far more sophisticated searching, enabling people to retrieve just the research relevant to their current needs
- personalisation and filtering that allows users to define what they want to see and publishers to reduce the amount of “junk mail” they send
- the ability to create connections and define relationships between documents
- direct connectivity between content providers and consumers, for both documents and data

Bigger picture

- **RIXML helps drive efficient delivery of research...**
- **...However, integration with other information sources drives efficient use of research**
- **Co-ordination with other standards efforts will help give users of research an integrated picture**
 - XBRL for financial statements is the most relevant example. Analysts on both the buy and sell-side are heavy consumers of companies' accounts.
 - They use data to calculate valuation metrics and provide evidence for their arguments

Sample workflow

```
<?xml version="1.0" encoding="UTF-8" standalone="yes" ?>
<simpleType name="ProductCategoryEnum">
  <restriction base="string">
    <enumeration value="..." />
  </restriction>
</simpleType>
</xml>
```

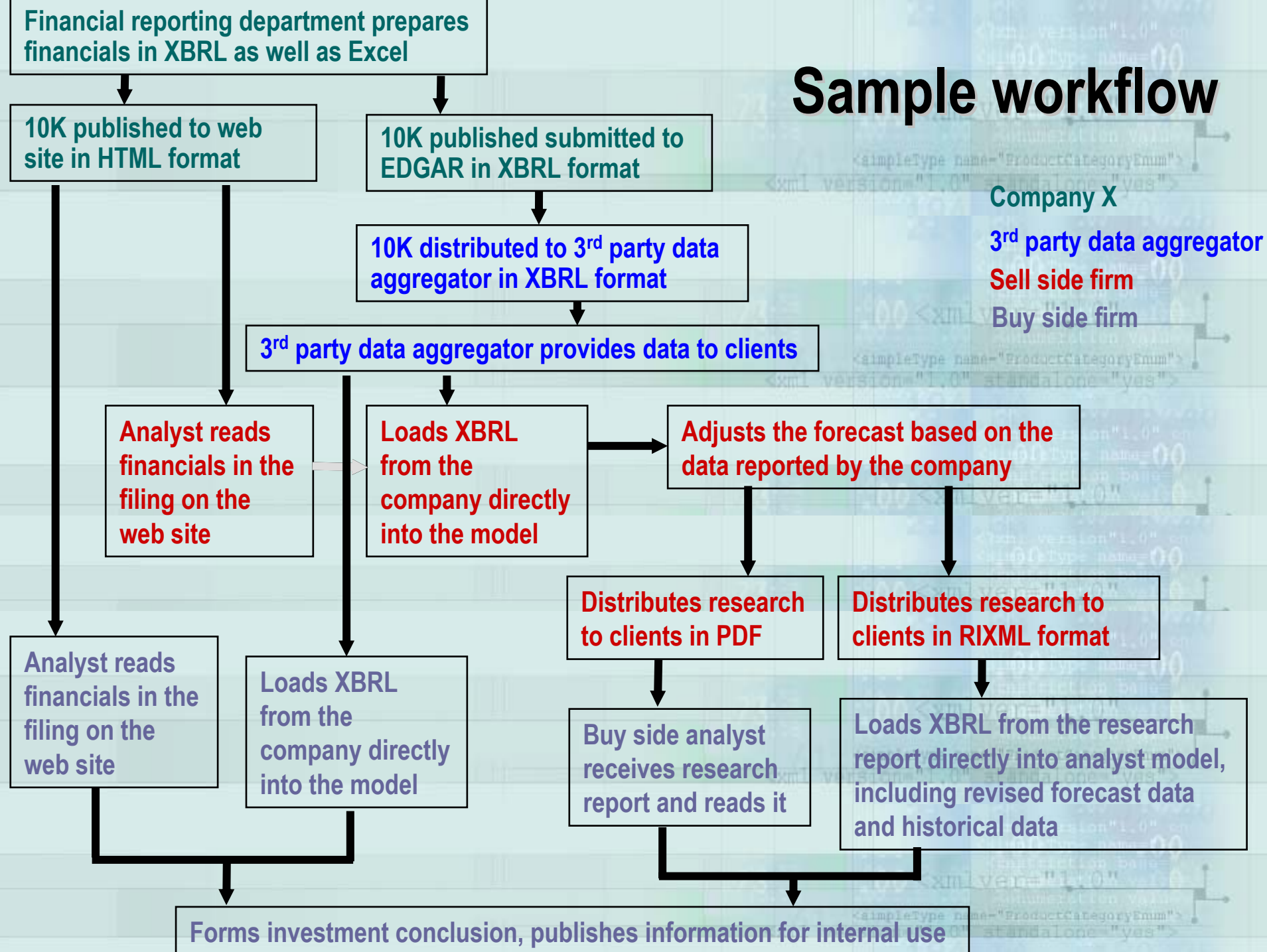
Sample workflow

Company X

3rd party data aggregator

Sell side firm

Buy side firm



Financial reporting department prepares financials in XBRL as well as Excel

10K published to web site in HTML format

10K published submitted to EDGAR in XBRL format

10K distributed to 3rd party data aggregator in XBRL format

3rd party data aggregator provides data to clients

Analyst reads financials in the filing on the web site

Loads XBRL from the company directly into the model

Adjusts the forecast based on the data reported by the company

Analyst reads financials in the filing on the web site

Loads XBRL from the company directly into the model

Distributes research to clients in PDF

Distributes research to clients in RIXML format

Buy side analyst receives research report and reads it

Loads XBRL from the research report directly into analyst model, including revised forecast data and historical data

Forms investment conclusion, publishes information for internal use

In conclusion

- **RIXML is a unique opportunity for the industry to improve research classification, tagging, and distribution**
- **It provides benefits to the buy-side, the sell-side and vendors**
- **The organisation is now focussed on promoting adoption of the standard**

Feedback

- www.rixml.org
- The RIXML.org Web site is the primary communications forum
- Discussion groups for general and specific topics
- Notification of updates to the specification, upcoming events, etc.



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