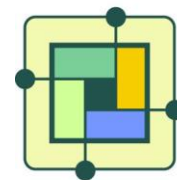




RIXML Research Standard v3.0 update

Sal Restivo, Morgan Stanley

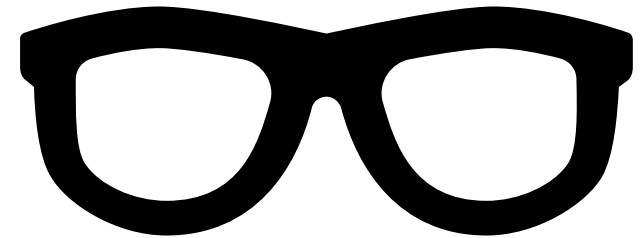


RIXML.org

Research Information Exchange Markup Language

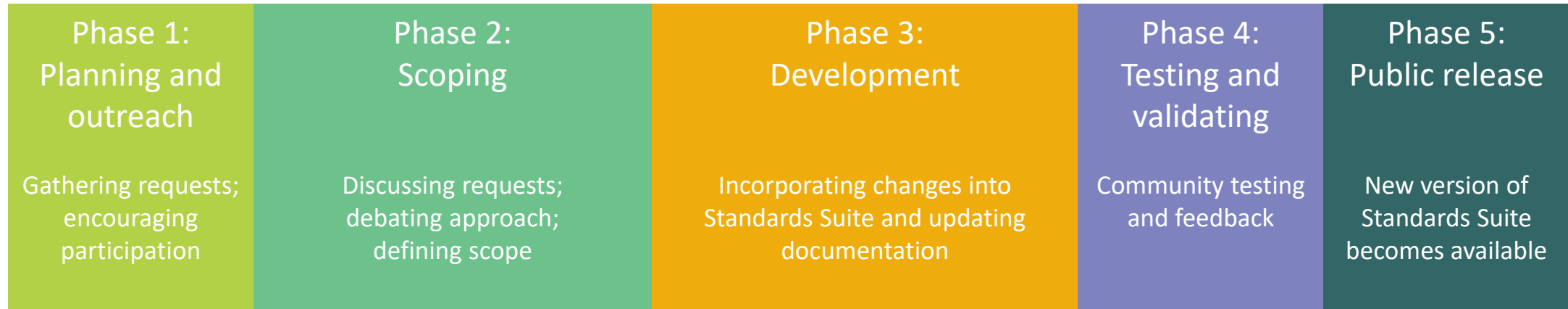
At A Glance

- Good development progress
- Nearing Release Candidate readiness
- ESG approach under review
- Next steps



Progress

Plan



Actual



Progress

Phase 3: Development Progress

70%

Scope Category	Scope Item	Size	% Complete	Notes
Handling Hierarchies	Asset Classes	L	80%	
Handling Hierarchies	Industries	L	70%	
Handling Hierarchies	ESG Dimensions	L	50%	Under further review until SASB considerations finalized
Handling Components	Component Catalog	L	60%	
Handling Components	Expected Search Terms	M	80%	
Handling Components	Context Tagging for Components	M	80%	
Handling Components	Audio, Video, and Interactives	M	50%	
Tag Variations	For Segmented Audiences	M	100%	
Tag Variations	For Non-English Languages	M	90%	
Tag Variations	With and Without Format Coding	S	100%	
More	Episodic Content	L	60%	
More	Related Content	M	40%	
More	Automated Tagging	M	70%	
More	Entitlements	M	60%	
More	Events	S	100%	
More	Non-Research	S	100%	
More	Covered Bonds	S	100%	
More	Enumerated Lists as XML Namespaces	L	40%	This may not make the final scope
Removals	Root, Price	S	100%	

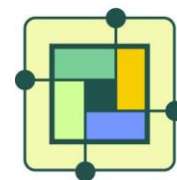
Next Steps

- Finalize ESG approach
- Assess Impact across RIXML Standards
- Complete Schema Development
- Test and Validate
- Update Documentation
- Production Release



Leveraging our expertise

Deirdre Goldenbogen, RIXML



RIXML.org

Research Information Exchange Markup Language

RIXML: MEMBER POWERED

We need your help

Buy-side firms

SEARCHING FOR ESG CONTENT?

tell us how you want to find it!

All firms

DO YOU HAVE CONTENT SPECIALISTS?

Taxonomists

IS THERE A TAXONOMIST IN THE HOUSE?

Technologists

DO YOU SPEAK NAMESPACES?

...or do you know someone who does?

Vendors

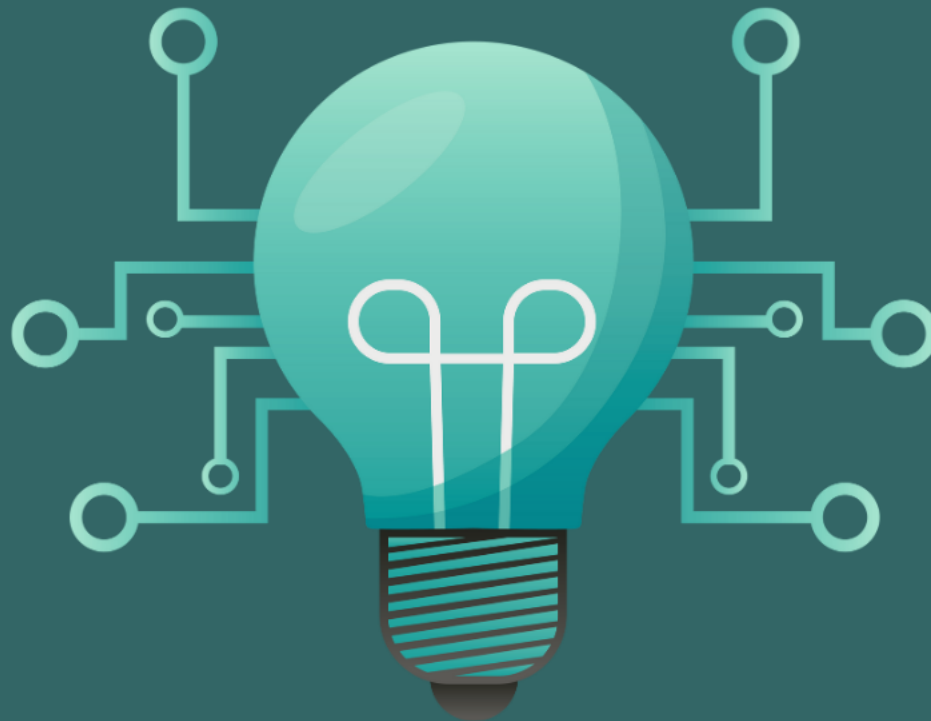
MIND THE GAP

(in the tagging you receive)

All firms

ESG TAGGING IS COMING...

what standardization do you need?



Files involved in a RIXML release

XSD (Schema) files

Subject-specific tags

RIXML Research
Main Schema

RIXML Roster Updates
Main Schema

RIXML Coverage Updates
Main Schema

RIXML Interactions
Main Schema

Shared tags

RIXML Common Schema

Enumeration list values

RIXML Datatypes Schema

Documentation

RIXML Research Data Dictionary

RIXML Interactions Data
Dictionary

RIXML Implementation Guide



Release Notes

Level 1 Addendum

RIXML Linkbacks Technical
Implementation Guide

Sample
Files

A set of sample instance document files

 In Progress
 Completed

Input and assistance needed

- Additional input on ESG
- Assistance in reviewing Interactions Standard
- Input on using namespaces to manage enumeration lists
- Documentation review
- Enumeration list review

Enumeration lists...



...hear me out...

Getting the right content to the right people

...at the right time



- RIXML exists because member firms ARE the experts in research and interaction content
 - Sell side firms know the content they are creating
 - Sell side firms know who their target audience is
 - Some vendors create tools to facilitate content creation
 - Some vendors create tools to aggregate, search for, and find research content
 - Buyside firms know what information they want to find
 - Buyside firms know the difference between signal and noise

How do enumeration lists fit in?

...and why should I care?

- Some aspects of a research item or interaction should be entirely free text
 - Title
 - Subtitle
- Some fields can leverage external standards
 - ISO standards are used for currency, date/time, country codes, currency
 - XBRL for financial data
 - GICS for sector/industry tags
- For many aspects of a research item, the best way to pull like items together is to provide a custom, limited list of valid terms for that aspect



How do enumeration lists fit in?



Example:

Asset Class

- Equity
- Fixed income
- Currency
- Commodity
- Real estate

We have dozens of other lists, including:

- Coverage action
- Issuer type
- Product category
- Rating action
- Weighting
- Weighting action
- SUBJECT

Enumeration lists: how are they developed



- Member firm input
- Requests for usage clarification
- Full review before each new release

We want to make sure every RIXML member firm has a chance to add their voice to this conversation.