



Agenda

- The Risk and Fall of ESG
- GRC, ESG
- ESGRC Product Capabilities
- Showcase ESGRC
- Summary





The ESG landscape

Differing pace and level of regulation



Department for
Business, Energy
& Industrial Strategy



 Regulation Asia

Frameworks are consolidating and aligning

2018 - CDSB align with TCFD

2020 - CDP, CDSB, GRI, IIRC and SASB announce a shared vision

2021 - IIRC and SASB merge into the Value Reporting Foundation (VRF)

2021 - IFRS announce set up of ISSB

2022 - VRF consolidate into ISSB

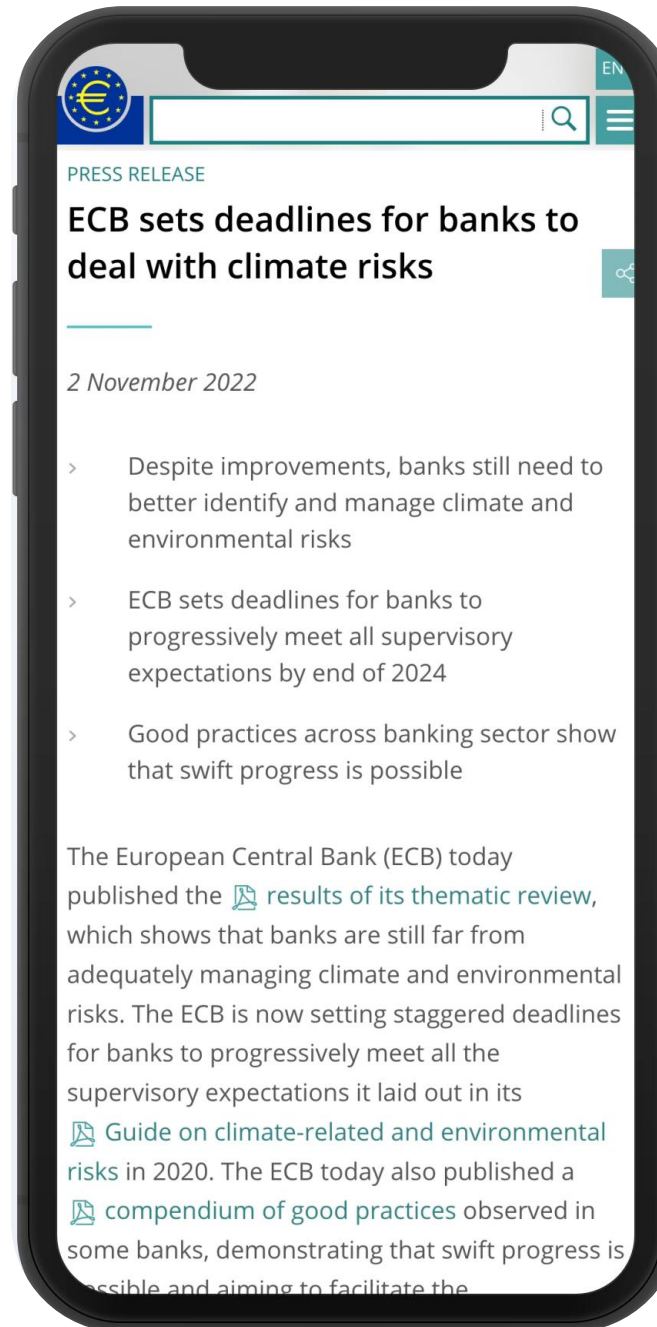
2022 - MoU between SSB & GRI

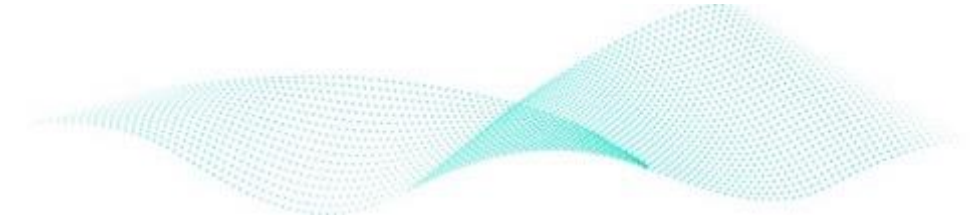
2022 - JWG set up to drive interoperability between ISSB and national regulators

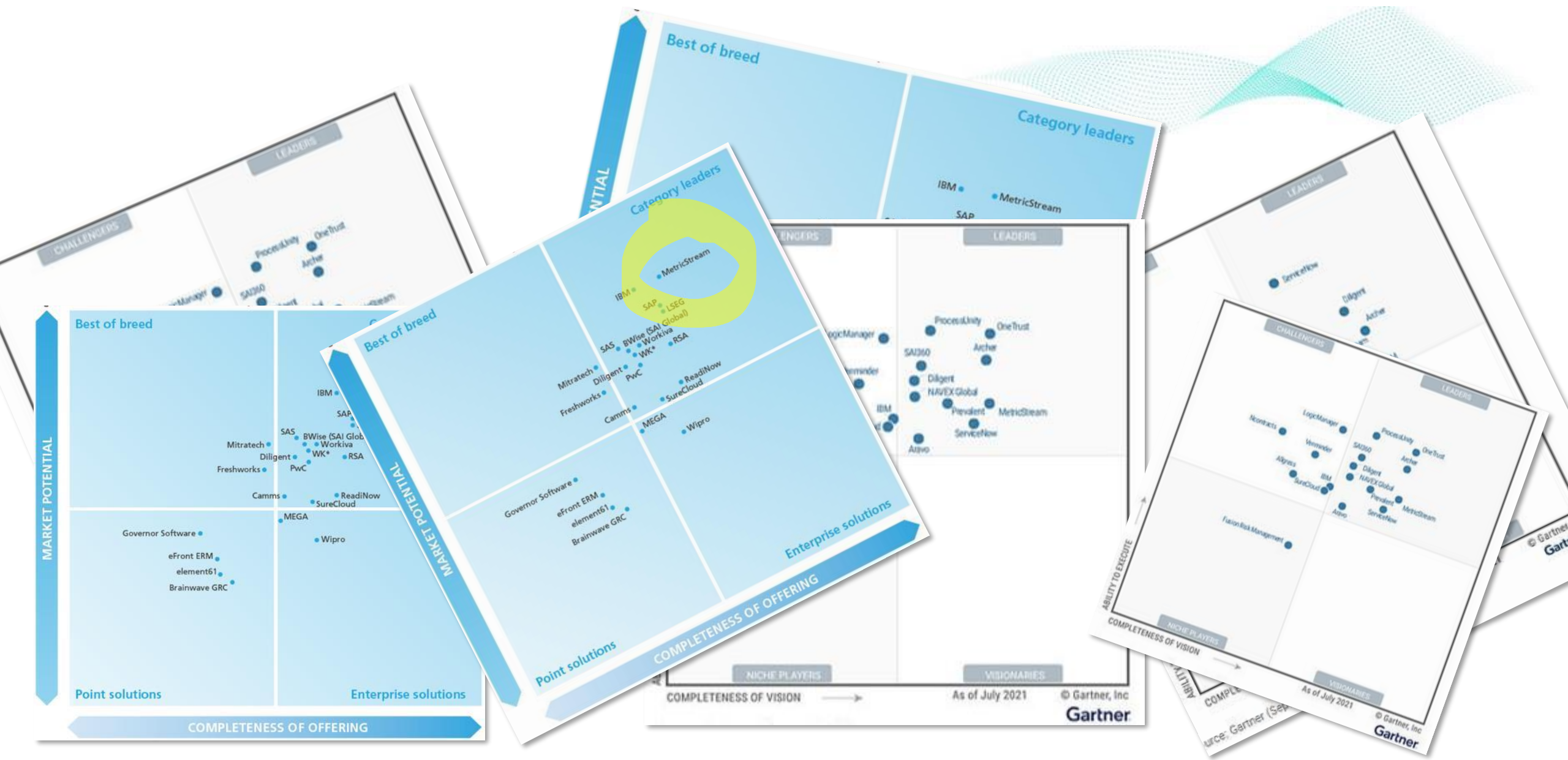
Current Sentiment is divided

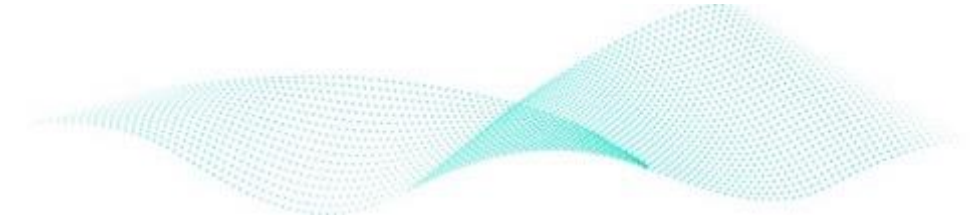
- Impact vs Financial Reporting
- Greenwashing & purpose of firms
- Cost of living Crisis
- War in Ukraine
- Carbon offsetting











1 Educational Approach



Professor **G • R • C**

2

ESG on **GRC**



Professor G

3

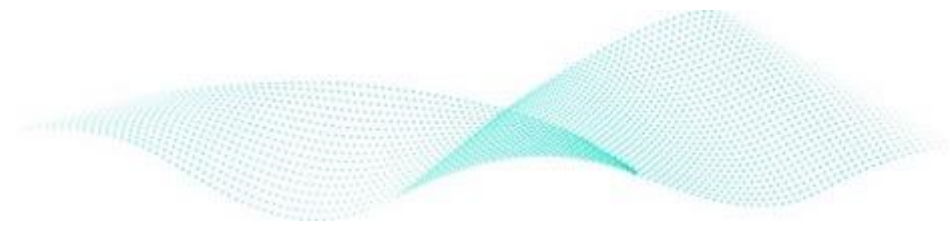
ESG and ERM



4

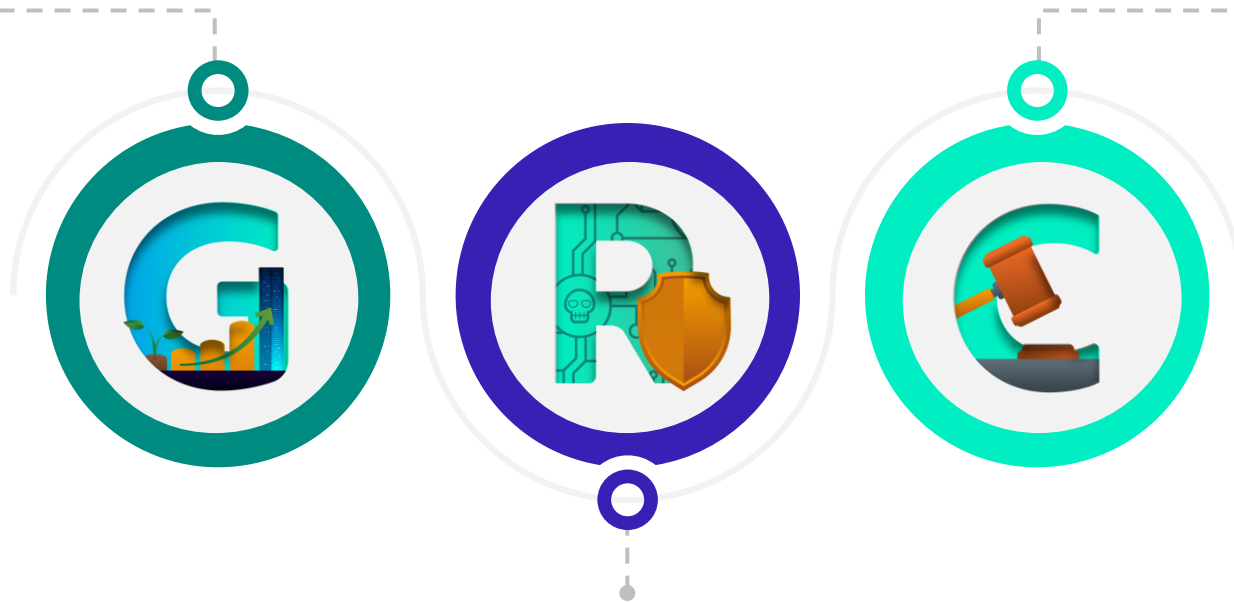
“Out-of-the box”

(Just like this presentation. 😊)



Why ESG on GRC?

Companies currently
monitor and measure
their corporate
Governance



ESG issues are about
managing Environmental,
Social, and Governance Risk

Public companies will
increasingly be
required to Comply
with regulatory ESG
frameworks



ESG + Risk & Compliance

Integrating ESG into Business Strategy and Risk Management



Product Capabilities



Prepackaged Content

- Disclosure requirements of various ESG frameworks (GRI, SASB, TCFD)
- Standard Questionnaires for data collection
- Supplier / Third-party data collection questionnaires



ESG Data Collection

- Automated Social and Governance responses via AI based recommendations
- Automated role-based routing for data gathering
- Automated E-Metrics Collection (Carbon Accounting)
- Automated tasks, e-mails and reminders
- Review , Certifications and Audit Trail



Disclosure Reporting

- Report builder for generating 1-click disclosure drafts
- Collaborative editing using Office-365
- Review and Approval Workflow



Capture and Remediate Issues

- Identify disclosure gaps and maintain action plans
- Automated Issue creation on threshold breaches



Risk and Control Assessments

- ESG Risk Assessments
- ESG Risk Register
- Control testing and certifications



ESG Insights

- Packaged Environmental, Social and Governance dashboards
- Location/facility and LOB dashboards



Integrations

- Sustainalytics – Know Your ESG Rating
- EcoVadis – Understand Suppliers ESG Performance

Disclosure Report a click away...

One Click

- Instant Creation of disclosure report



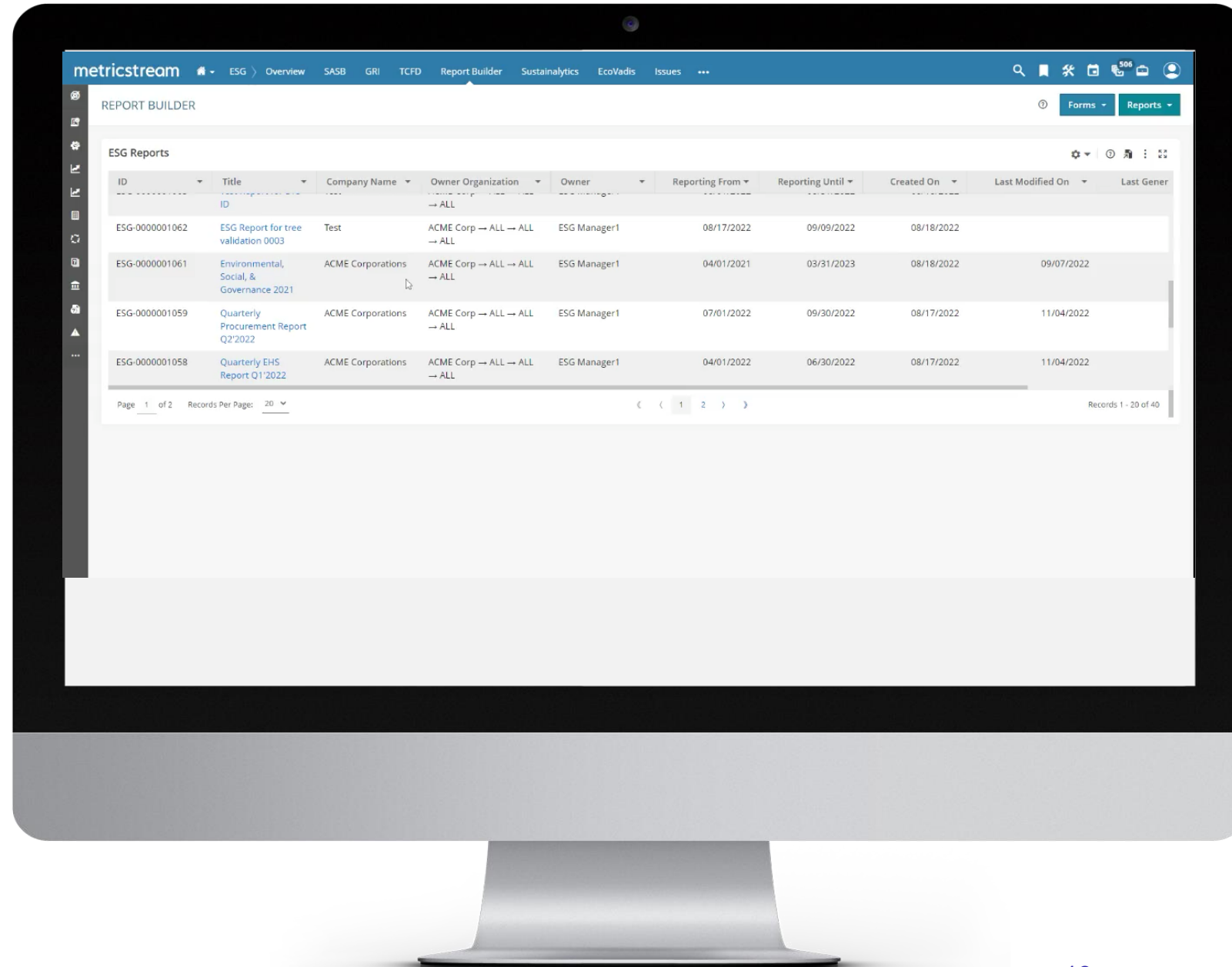
Framework OOTB

- Output into relevant ESG Framework



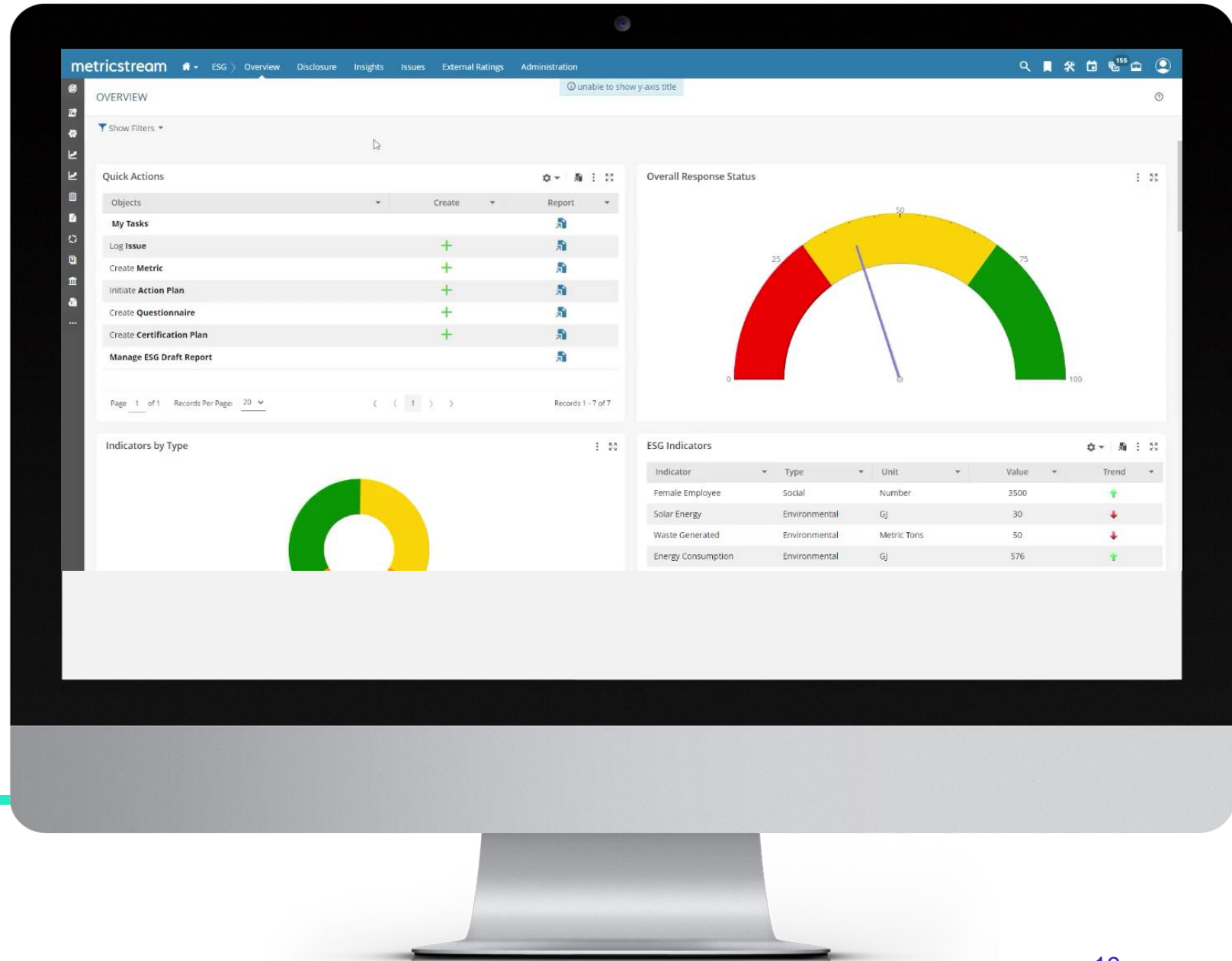
Editable Templates

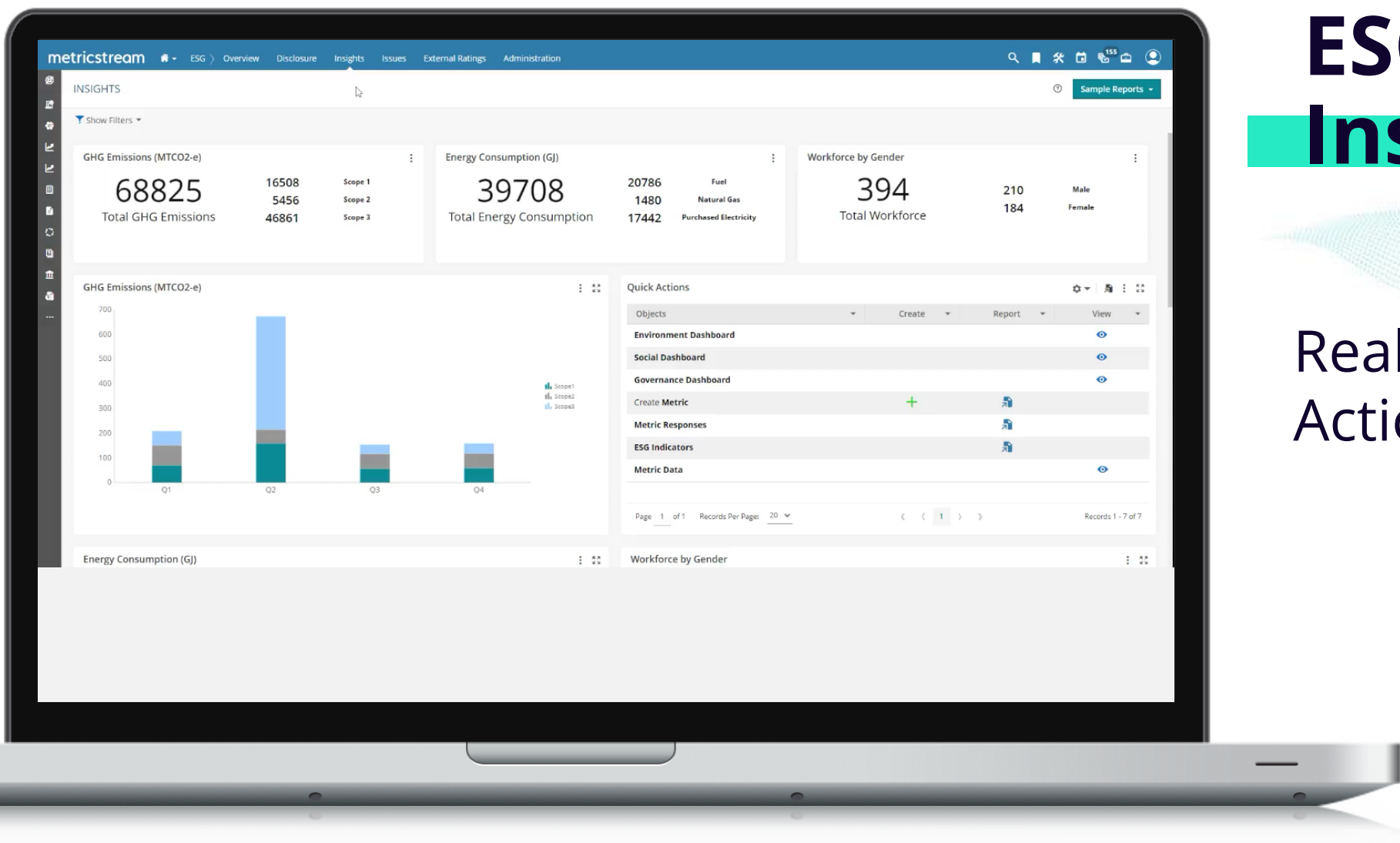
- Report Templates can be created using your corporate branding



Relevant content and structure

Disclosure Frameworks





ESG Insights -

Realtime and Actionable

Issues & Actions -

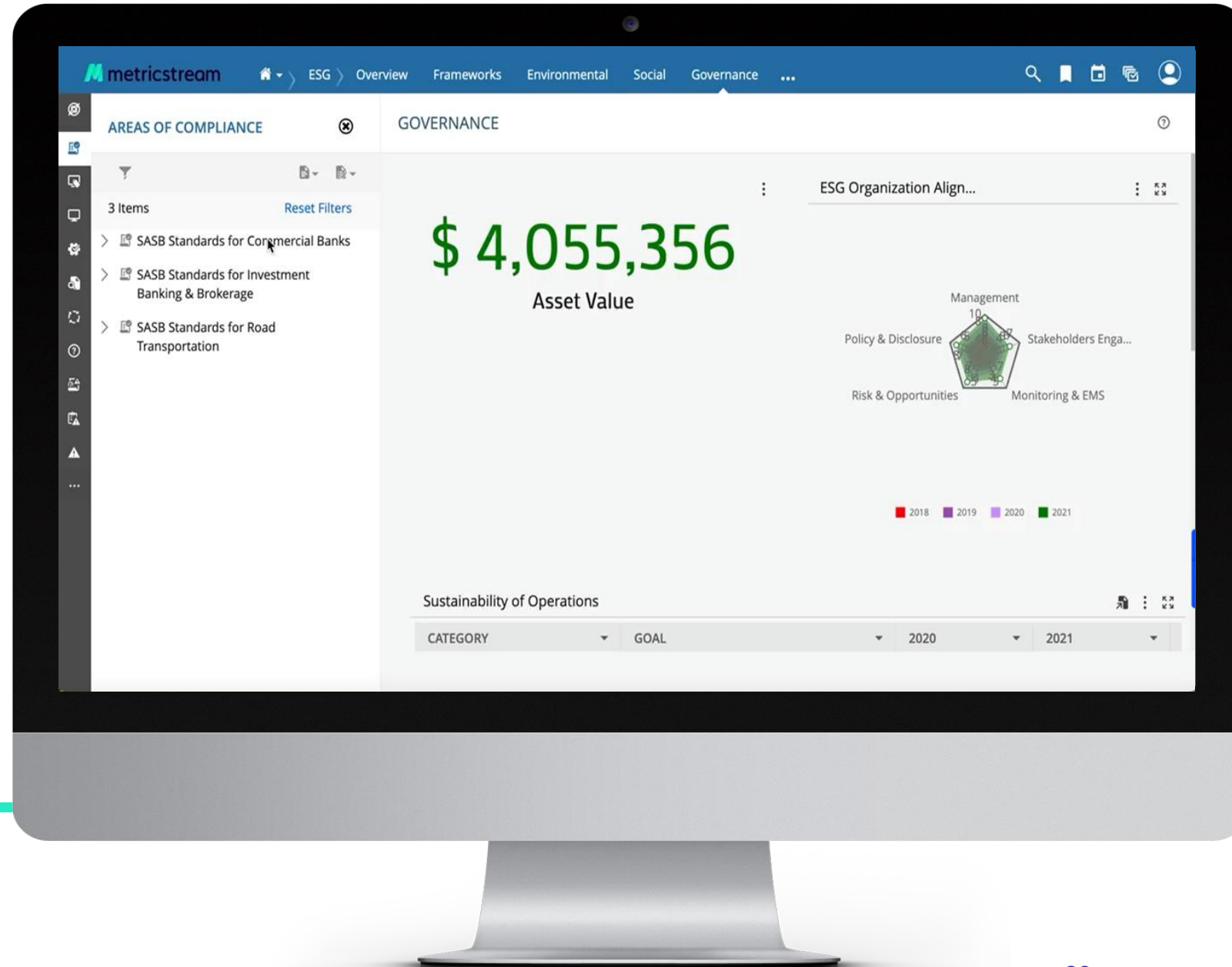


Pervasive Access to the Enterprise

The image shows a computer monitor displaying the MetricStream SASB (TR-RO) Reporting August 2020 interface. The interface is a web-based form for reporting greenhouse gas emissions. The top navigation bar includes the MetricStream logo and links for Surveys, Respond, Issues, and Actions. The main heading is 'SASB (TR-RO) Reporting August 2020'. On the right, there is a 'Due by' date of 09/02/2021 and a progress indicator showing 0%. The form is divided into sections. The first section is '1. Greenhouse Gas Emissions'. It contains a sub-section 'TR-RO-110a.1*' with a description: 'Gross global Scope 1 emissions, Quantitative, Metric tons (t) CO₂-e'. Below this is a text input field with the placeholder 'Enter Number' and the value '12'. To the right of the input field is a green 'ADD COMMENTS' button. Below this is another sub-section 'TR-RO-110a.2*' with a description: 'Discussion of long-term and short-term strategy or plan to manage Scope 1 emissions, emissions reduction targets, and an analysis of performance against those targets'. Below this is a text input field with the placeholder 'Enter Description'. At the bottom of the form are two green buttons: 'BACK' and 'NEXT'. On the right side of the screen, there is a sidebar with the heading 'Findings and Actions' and a section titled 'Sections:'. This section lists five items: 1. Greenhouse Gas Emissions (0/5), 2. Air Quality (0/3), 3. Driver Working Conditions (0/6), 4. Accident & Safety Management (0/7), and 5. Activity Metrics (0/4). At the bottom right of the sidebar is a green 'SUBMIT' button.

Access underlying documents

Disclosure Frameworks



metricstream

ESG > Overview Frameworks Environmental Social Governance ...

STAGE 1 OF 2

Requirement FN-IB-000.A [RQMT-0000001034]

Level Level 2 Status Update Key Requirement No

Save Send for Approval

Details

- Classification
- Scheduling
- Penalty Implications
- Validity
- Ownership and Security
- Relationships
- Additional Details

DETAILS

Name* FN-IB-000.A

☐ Key Requirement

Hierarchy* Level Level 2 Parent FN-IB-000, Activity Metrics

Section No./Citation* FN-IB

Description (1) Number and (2) value of (a) underwriting, (b) advisory, and (c) securitization transactions

Classification

Categorization Categories Type of Compliance

Scheduling

Schedule* Frequency Not Applicable

Assignment within your enterprise

Driving Organic Enterprise Data Collection

Thank You

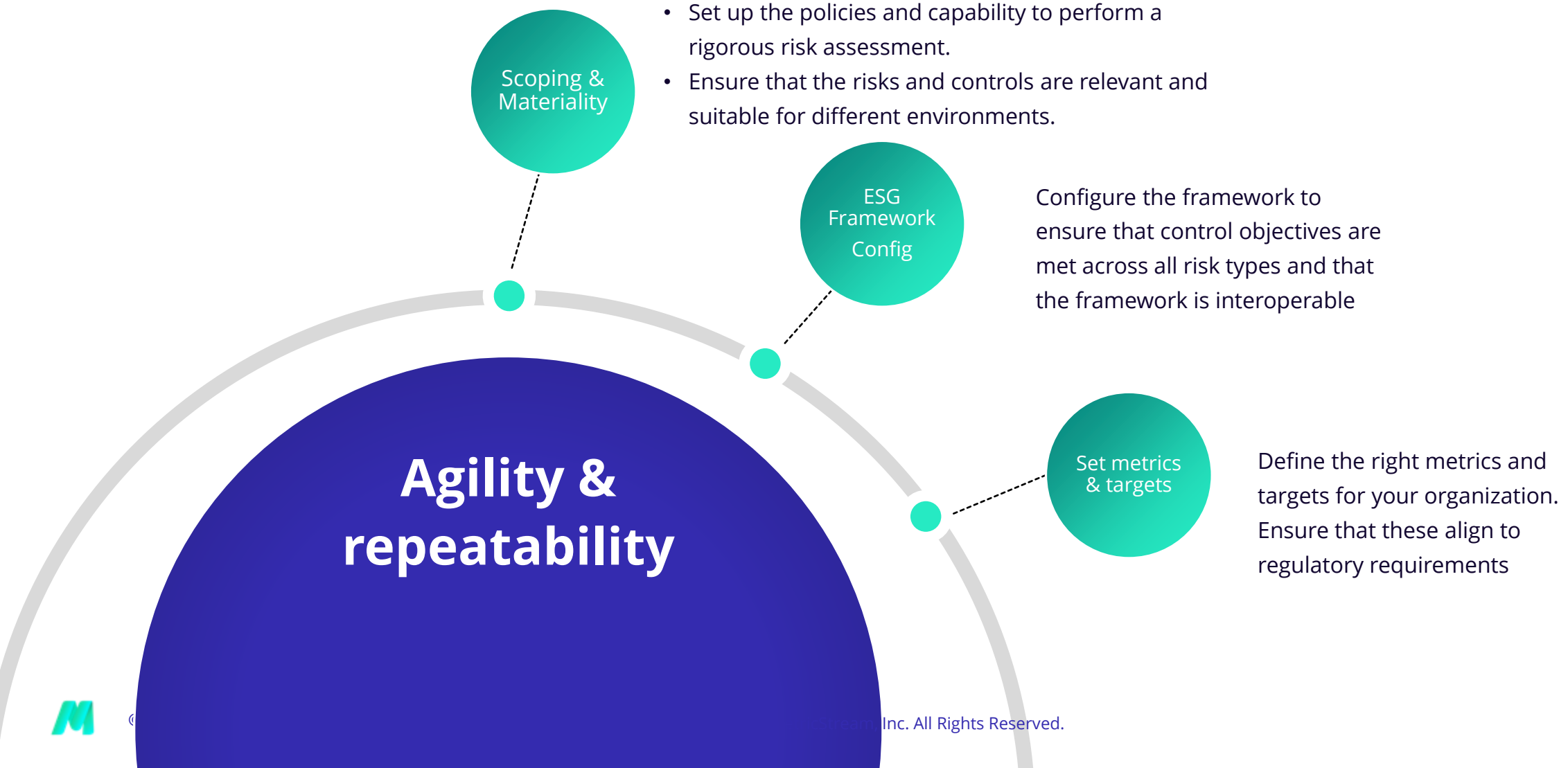
Strong Customer Community...



Setting up ESG disclosure for success



Creating your organisation's framework



Building the infrastructure

**Future proof &
Mistake proof**

Team &
Governance

A strong team and governance structure will mitigate misstatements and drive culture

Technology
Platform

Implement a platform early to avoid spreadsheet creep!

Training

All individuals determine the success.



Developing content



- Give resource the time and capability to document and put in place rigorous Quality and Assurance
- Enable 3rd Parties to easily report



Creating disclosure assurance

Set up the processes and means of disclosing information in a structured way to different stakeholders.

- Set up the ability to capture, report, quantify and aggregate issues.
- Set up the governance plans and ownership structures to ensure issues are addressed

Set up the testing and auditing structures to ensure that controls over reporting are robust



ESG disclosure – Continuous Success



Global Market Leader in Connected **GRC** SaaS

1.1M+

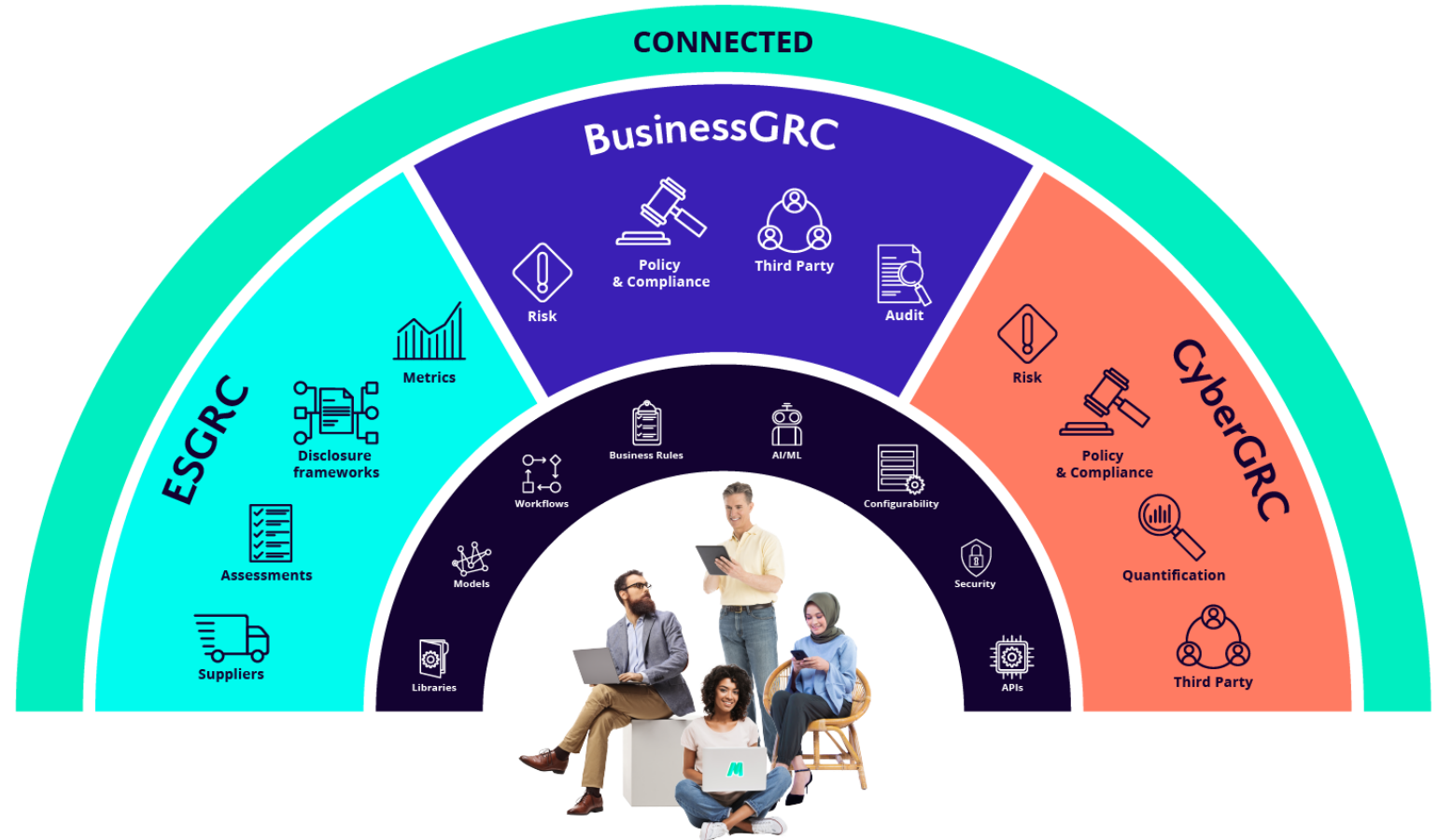
users on cloud

14+ years

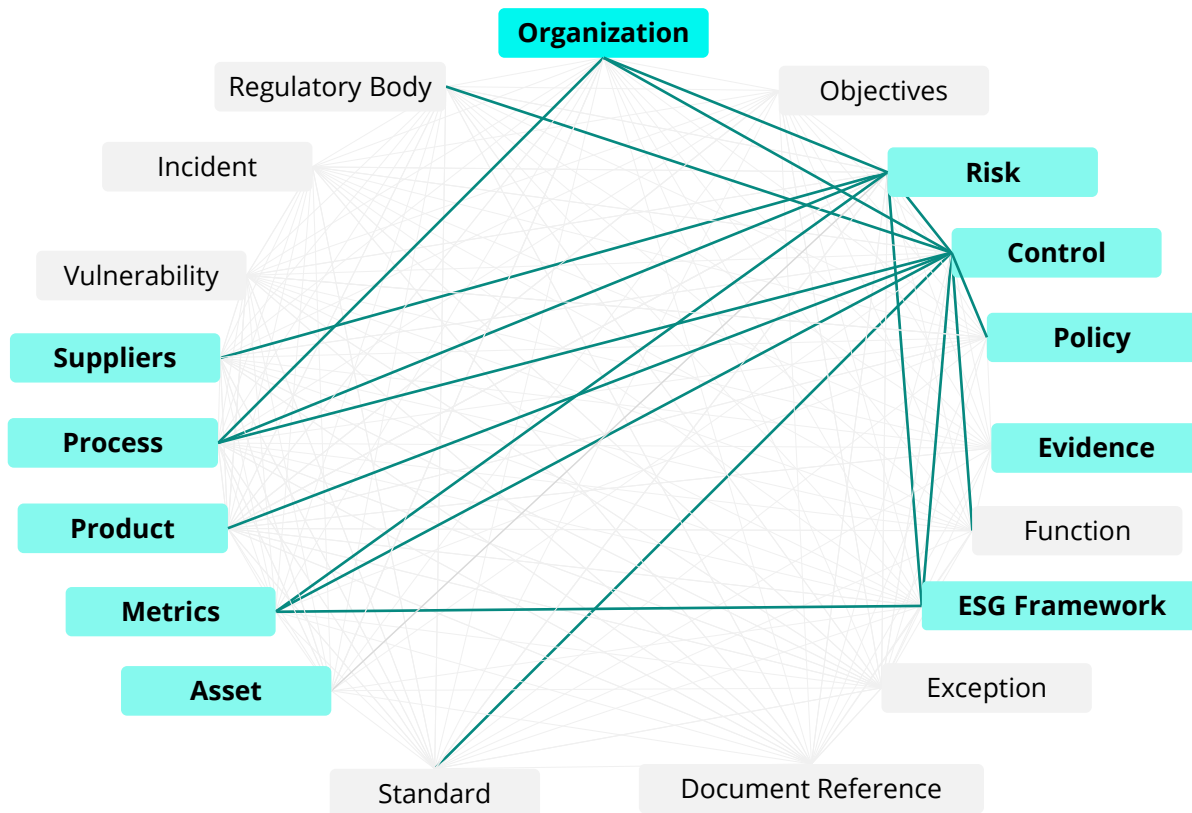
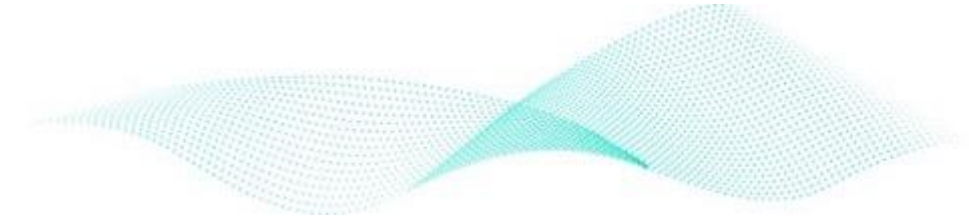
recognized by analysts
as market leader

1,200+

GRC experts



Federated ESG Data Model

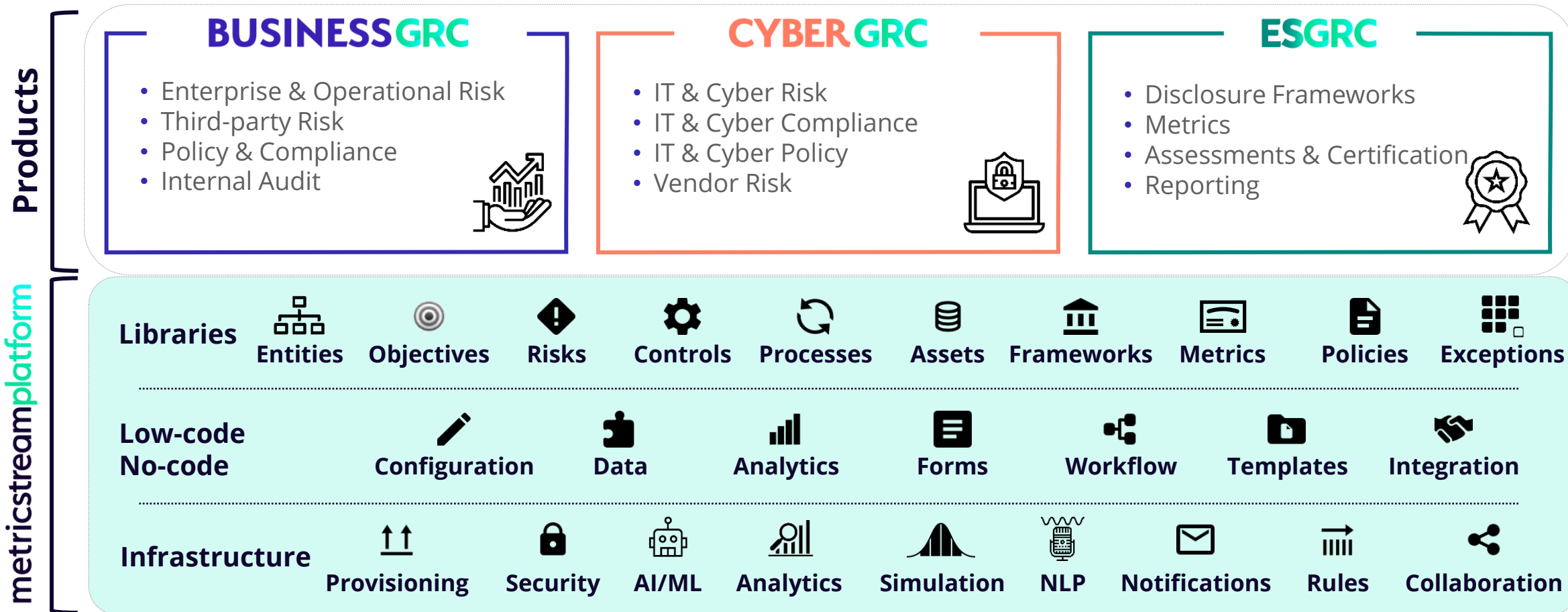


One Connected data model for all use cases

Easily understand relationships

Simple to add and modify new objects and relationships

MetricStream Products & Low-Code / No-Code Platform



Why MetricStream Platform



MetricStream, Inc. All Rights Reserved.

- 1 Low-Code / No-Code**
10X Faster, Safer and Easier Configurations
- 2 MetricStream Intelligence**
AI/ML, Quantification, Monte Carlo and Simulations
- 3 Multi-Dimensional Org Structure**
Unique patented technology to represent complex and ever-changing organizations
- 4 Federated Data Model**
Binding together core Risk, Compliance, Controls, Metrics Libraries
- 5 Integrated Frontline Engagement**
Enables frontline to capture information
- 6 APIs & Connectors**
Easily integrate with third-party systems
- 7 Flexibility – Cloud or On-Premise**
Scalable and Performance Driven

Low-Code / No-Code



Low-Code



Rapid-Application Extensions

Groovy-based GRC Domain-Specific Language, business rules, content integration



Upgrade-Safe

Customer-specific configurations retained to ensure faster and easier upgrades



IT Admin

No-Code Utilities



Application Personalization & Configuration

InfoCenters, reports, dashboards, templates



Easily Integrate, Export & Import Data

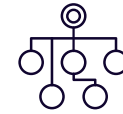
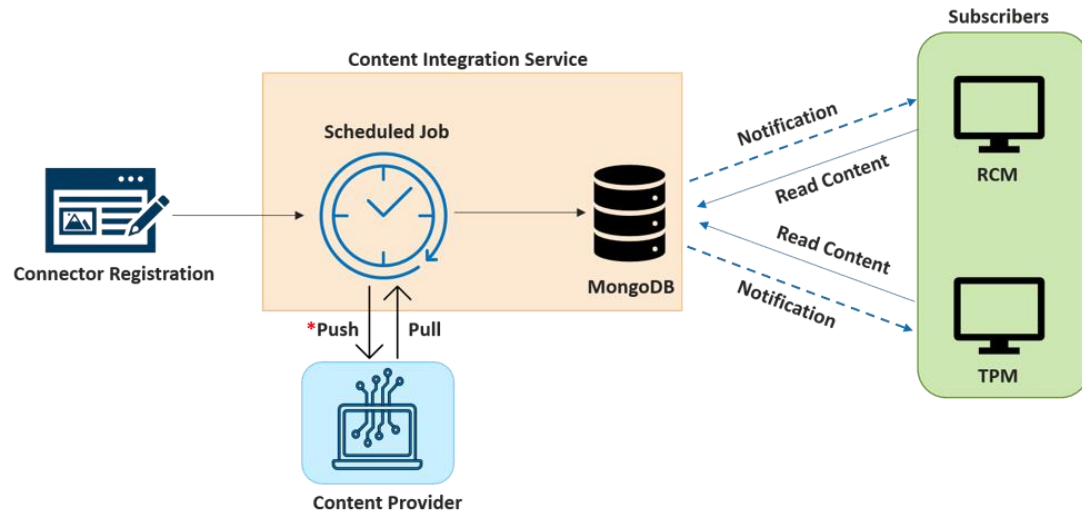
50+ Business APIs, Simple data upload utilities,



Business Admin



Low-Code / No-Code Integration



Multiple Integration Options

Business APIs, Content Integration Services, Connectors



Build Your Own Connectors easily

Content Integration Services



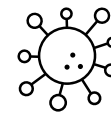
Configurable Schedules

Pull content based on a pre-defined schedule or on-demand



Upgrade Safe

REST-based connectors authenticated vis JWT tokens



Cloud-Native Architecture

Microservice-based scalable architecture

Sample List of Connectors

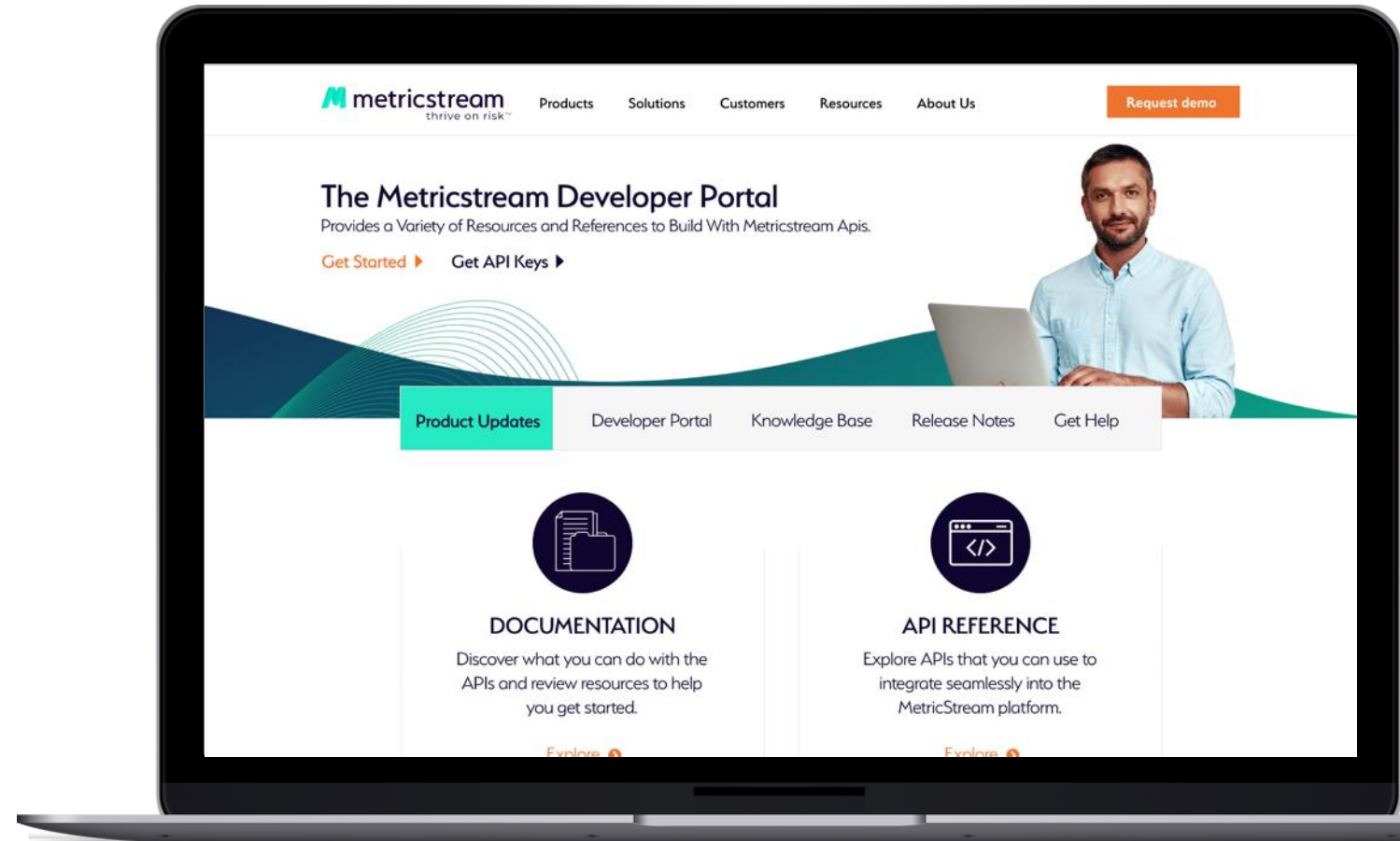
Content Integrations	ESG	GRI	SASB	SUSTAINALYTICS	ecovadis	Greenly
	Risk & Compliance	CUBE	THOMSON REUTERS	COMPLIANCE.AI	UCF Common Controls Hub	LexisNexis
		BIT SIGHT	dun & bradstreet	SHARED ASSESSMENTS	SecurityScorecard	BLACK KITE
Enterprise Integrations	Cyber	tenable	QUALYS	Nessus	RAPID7	PCI
		servicenow	bmc software	BMC Atrium	Talasecure	CONTINUE
						COBIT
Identity Providers		ableau	everbridge	whatfix	Power BI	Office
		OKTA	Microsoft Azure	OneLogin	TIFM	
		Ping Federate	IdentityNow	SiteMinder	OpenSSO	
		Oracle Access Manager	ADFS		WSO2	
					Shibboleth	



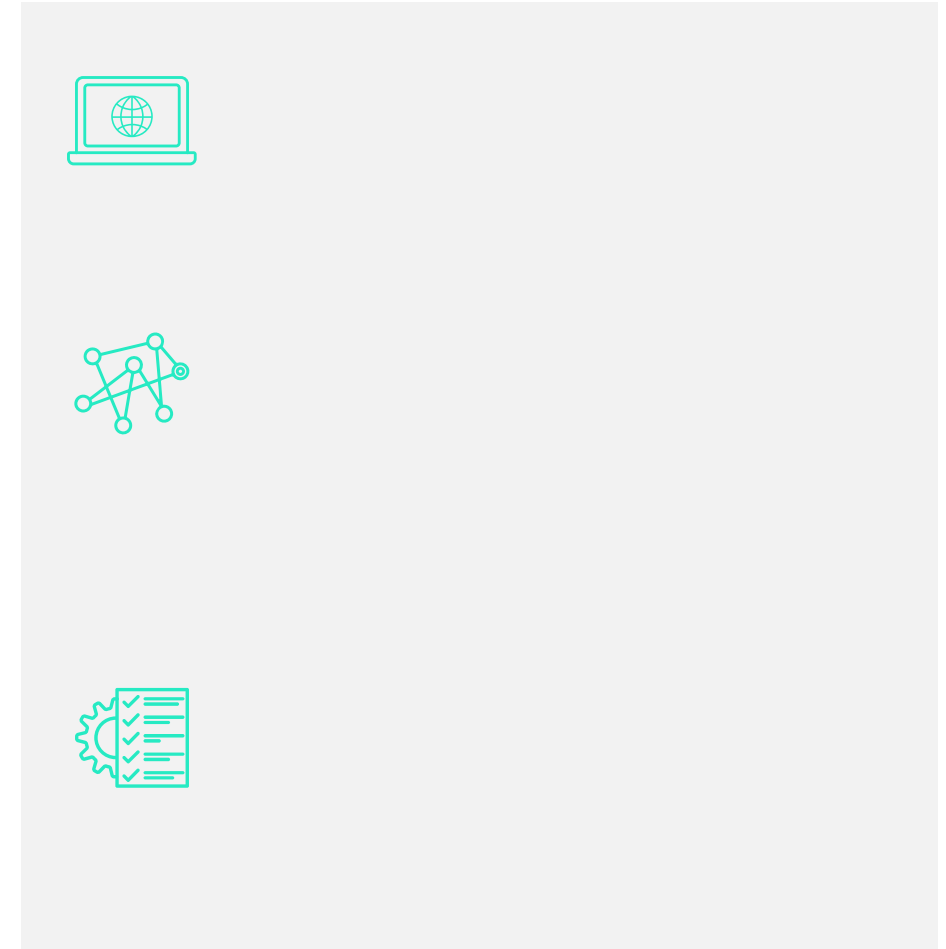
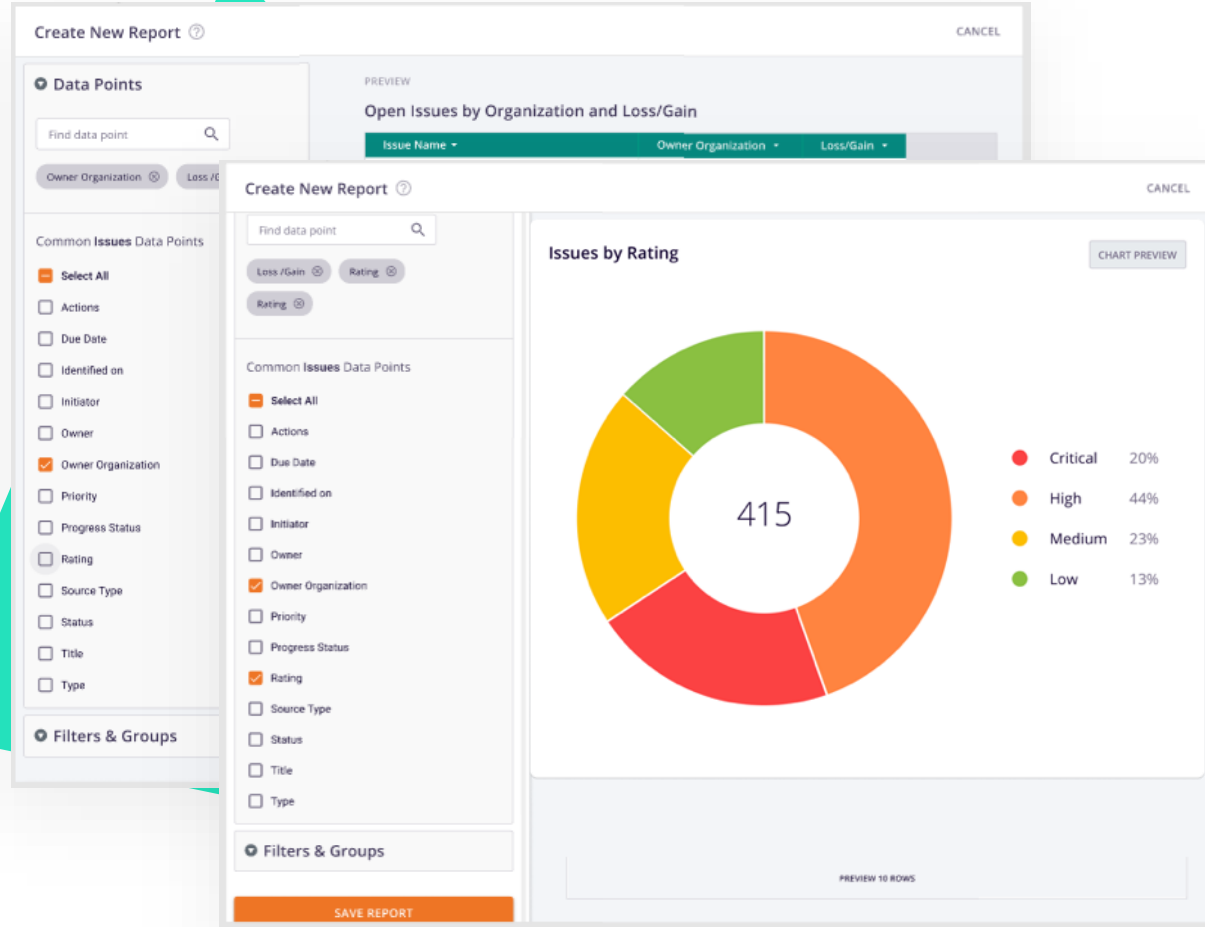
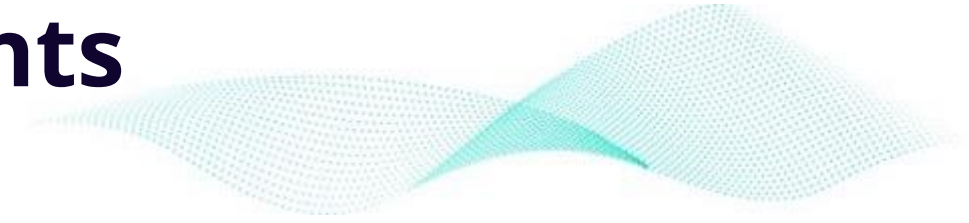
Easily Learn to Build and Configure GRC Applications

GRC Developer Portal

- Documentation
- API Reference Guides
- Videos
- Use Case Documents



Create Connected GRC Insights in Minutes (Not Days)



New Faster, Easier Approach for First Line to Assess Operational Risks

- Accelerates the identification, assessment, and mitigation of risk while reducing demands on 2nd line
- Increases flexibility to capture information from the extended enterprise in addition to 1st and 2nd line

The screenshot displays the MetricStream Operational Risk assessment interface. The top navigation bar includes 'Operational Risk', 'Overview', 'Status', 'Libraries', 'Risk Assessments', and 'Metrics'. A 'More InfoCenters' dropdown menu is open, showing options like 'Self-Assessment and Testing', 'Loss Events', 'Issues', 'Setup', and 'Simplified Risk Assessments'. The main content area is titled 'SIMPLIFIED RISK ASSESSMENTS' and features a 'Risk Rating Summary' with a large '6' and a breakdown: 0 Very High, 0 High, 2 Medium, and 2 Low. A 'Simplified Risk Assessment' form is shown with a title 'SIMPLIFIED RISK ASSESSMENT STAGE 1 OF 2' and a description 'PRODUCT TAMPERING WHERE MALICIOUS TECHNOLOGY IS INTRODUCED INTO A PRODUCT AS IT MOVE...'. The form includes fields for 'Inherent Impact' (Very High), 'Inherent Likelihood' (Possible), and 'Due Date'. A section titled 'OWNERSHIP AND SECURITY' prompts the user to 'Select owner organizations and owners that will be responsible for analyzing and assessing the risk'. Below this, there is a table for 'Owner Organizations' with columns for 'LINE OF BUSINESS', 'FUNCTION', 'LOCATION', and 'LEGAL ENTITY'. The table contains one row with values: Bank, Operational Risk, Europe, and NA. An 'Owners' section below the table lists 'ERM Program Manager'.

Reduce Risk and Cost of Regulatory Change

- Exclusive access to automated regulatory inventory, curated to your distinct regulatory profile
- Easily access and manage all relevant regulatory content from thousands of regulatory authorities around the world in a central library
- Flexibility to choose Horizon scanning feeds from multiple providers including Cube, Compliance.ai, Thomson Reuters

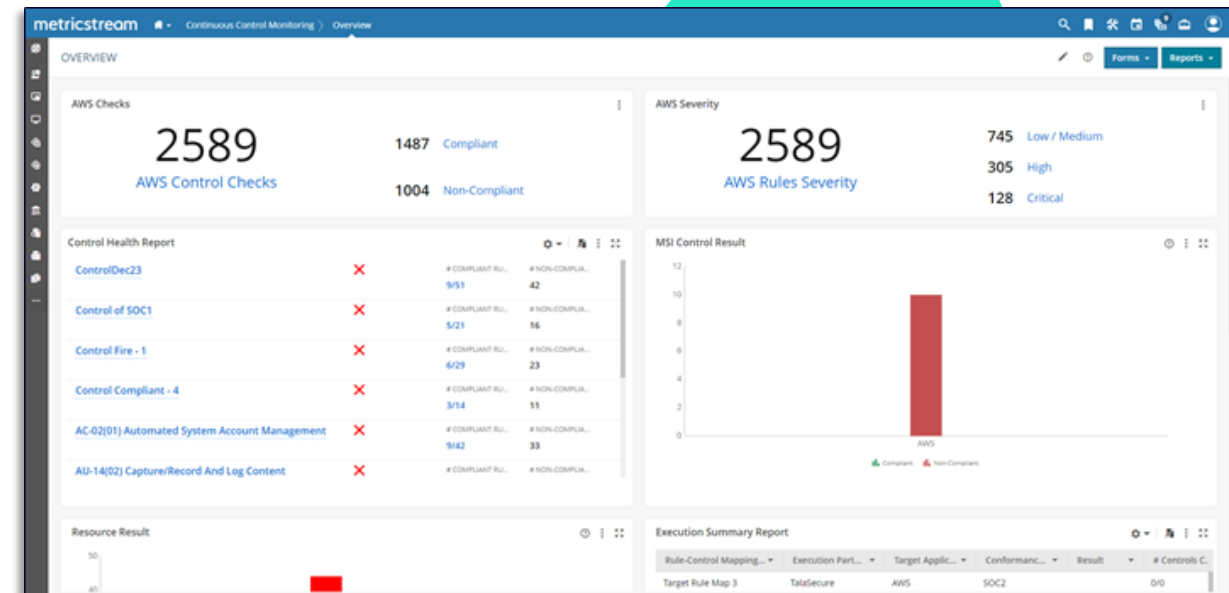
The screenshot displays the MetricStream GRCIntelligence App Administration interface. The top navigation bar includes the MetricStream logo, 'GRCIntelligence', 'App Administration', and a search icon. The main content area is titled 'AREAS OF COMPLIANCE' and shows a list of 4 items under the 'Electronic Code of Federal Regulations Title 12 - Banks and Banking' category. The details panel on the right shows the following information:

- Name:** Electronic Code of Federal Regulations Title 12 - Banks and Banking
- Description:**
 - Version : 51
 - Citation # : Document Title as Citation
 - Type : Update
 - Issuance Date : 2022-09-07T00:00:00
 - Issuance Type : Rulebook
 - Jurisdiction : United States of America
 - Issuing Body : United States of America Government
 - Primary Link : <https://www.ecfr.gov/>
 - Cube Link : <https://live.gocube.global/regbook/detail/47983dab-5a83-4da9-a6b6-d9a06c967971/51>
- Classification:** Regulation Policy
- Validity:**
 - Valid From: 07/01/2021
 - Valid Until: (empty)

Autonomous Control Testing and Evidence Gathering on AWS

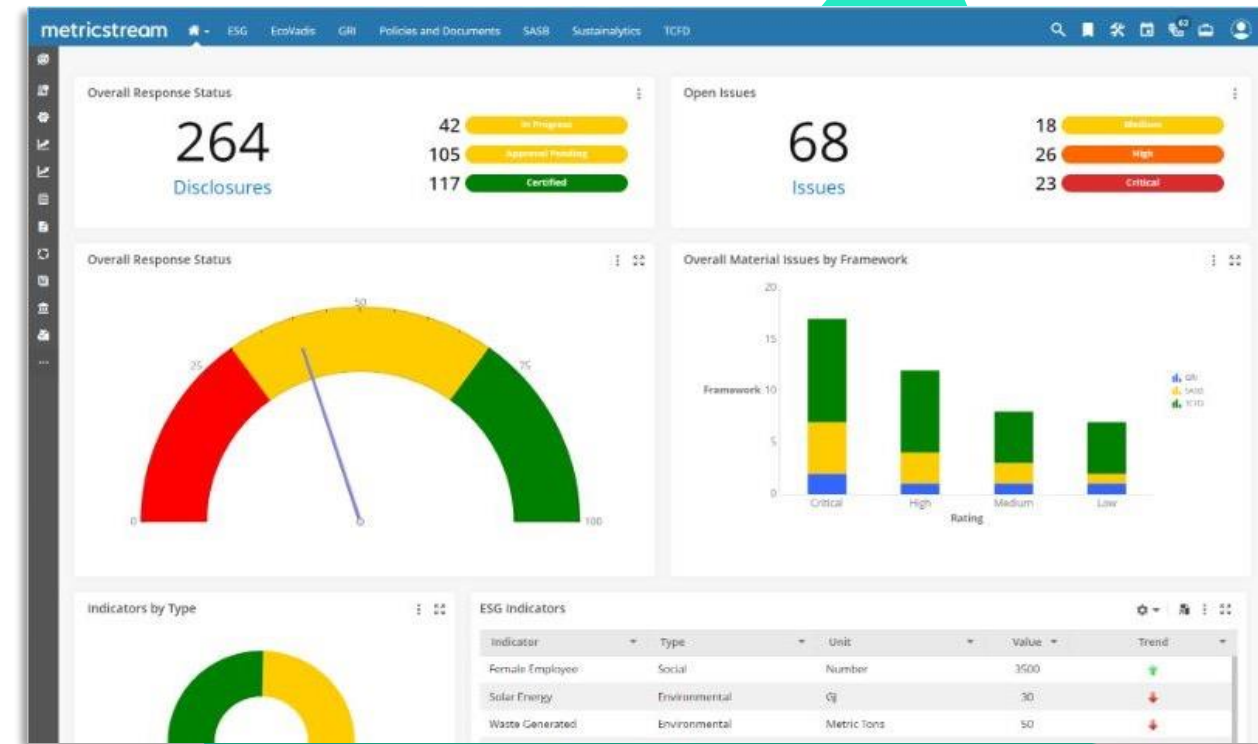
Hyper-Automate Your Compliance

- Automated compliance, continuous control testing and evidence gathering
- Real-time visibility into the risk and compliance profile of AWS resources and supported third-party partner products
- Enables prioritization and grouping of findings and remediation actions
- Map cloud security controls with your internal protocols and compliance standards, such as NIST CSF, PCI, ISO 27001, and HIPAA



Streamlined Disclosure Reporting for ESG

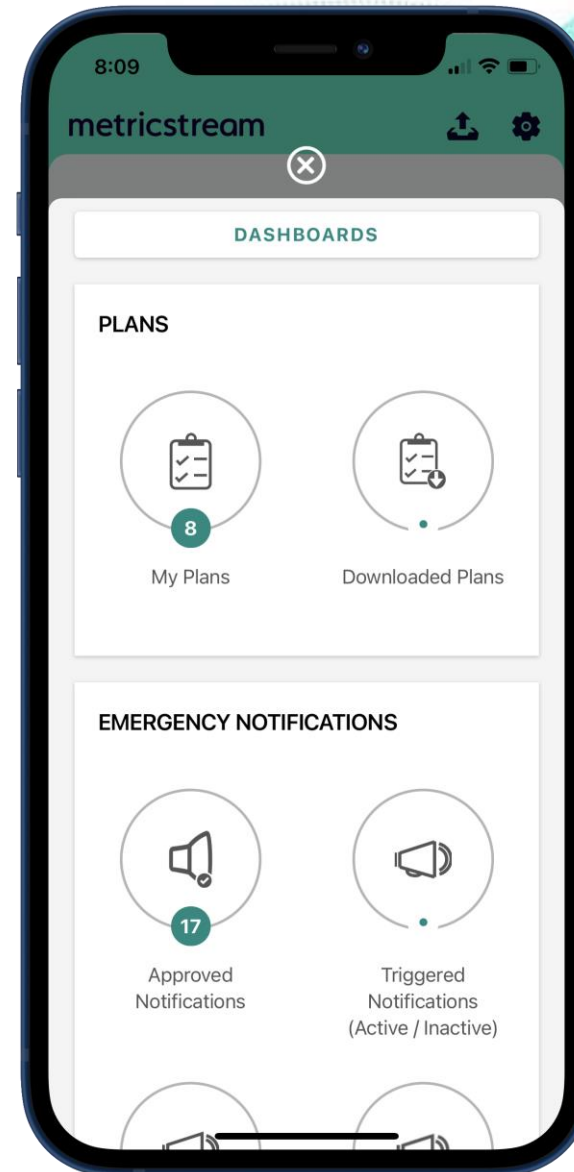
- Preloaded framework requirements and data collection templates for TCFD, GRI, and SASB
- Enhanced dashboards to deliver clarity and actionability on facility and supplier data
- Built-in logic to convert diverse emissions data into a single, standardized greenhouse gas (GHG) value
- Generate draft reports with a single click, collaborate with colleagues to refine the report



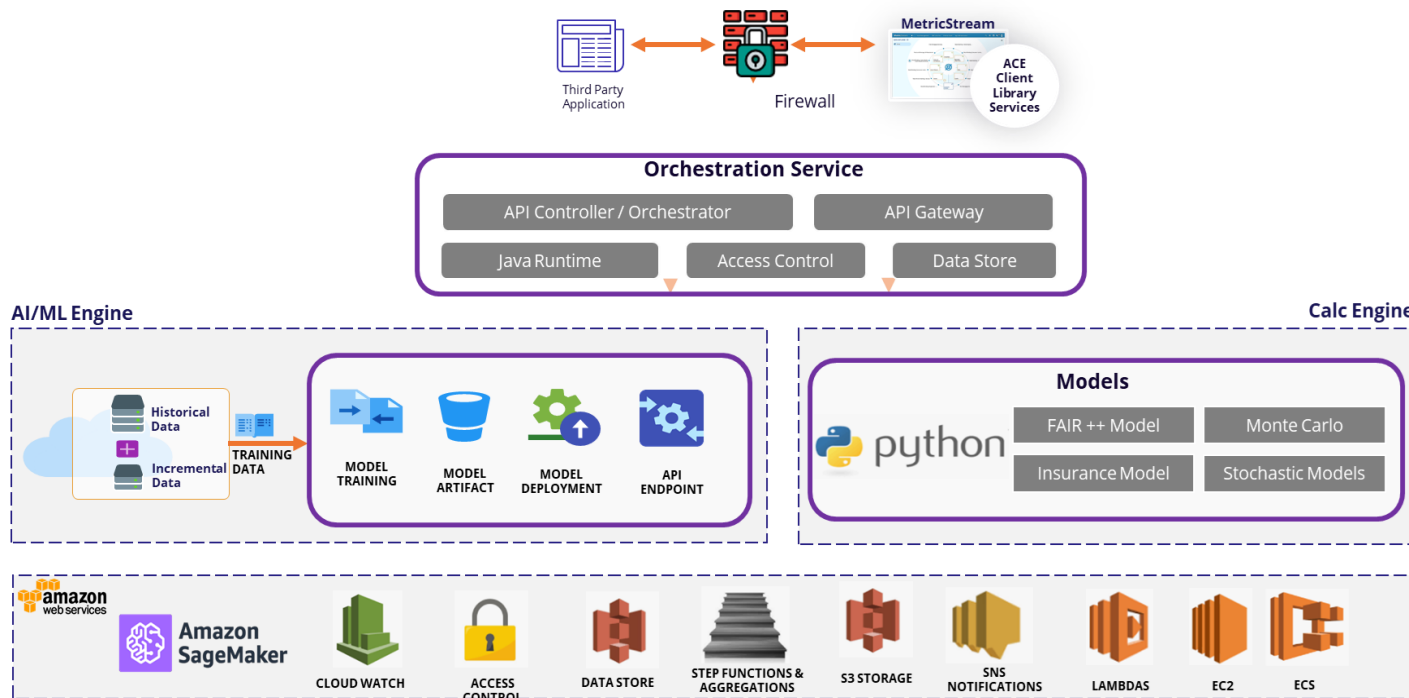
Mobile

Mobile App to access and monitor your program on the go

- Access policies
- Respond to Assessments
- Certifications
- Review & Approve



MetricStream Intelligence



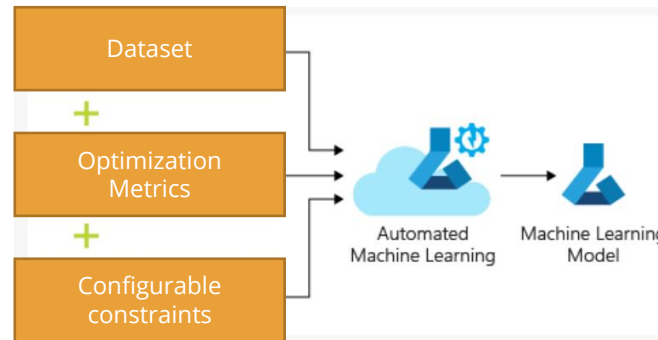
- AI / ML models specifically designed for compliance and risk use cases
- Supports multiple models - both internal and external models
- Calculation engine that provides services for multiple models, stateless and scalable
- Advanced Simulation engine



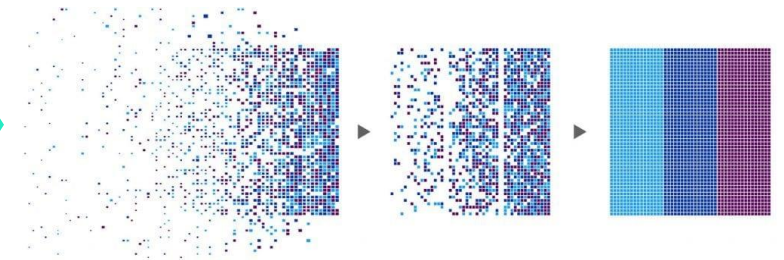
MetricStream Intelligence



Google BigQuery



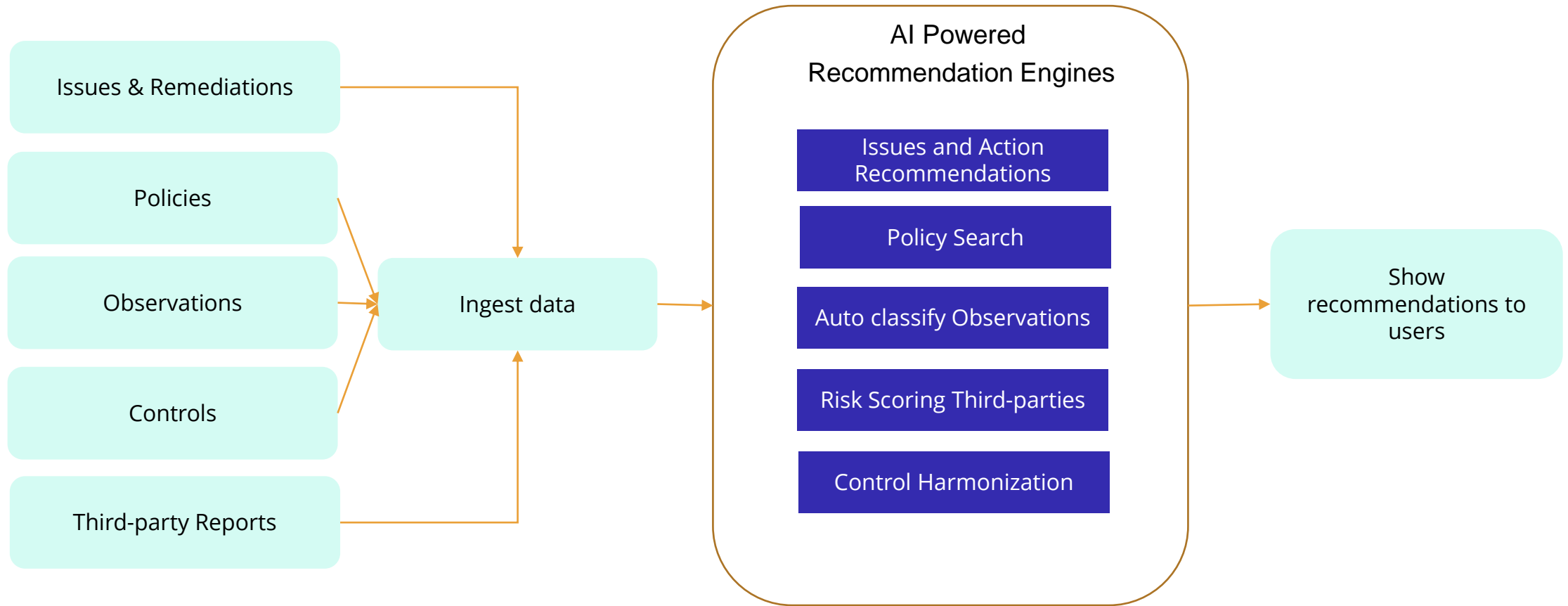
MetricStream Intelligence



Predictions & Forecasts

AI-centric Workflows

MetricStream Intelligence



Why MetricStream ESGRC

- Built-in ESG Questionnaires
- Ability to manage multiple ESG frameworks, establish risk taxonomy, harmonize controls
- Easily extend the ESG assessment to suppliers
- APIs to easily integrate with multiple internal and external systems
- Ability to connect ESG risk and compliance to the broader risk and compliance program



Business Outcomes

Improve Visibility

Get real-time connected view of ESG risks, Compliance status, Performance

Protect Brand & Reputation

Fewer compliance violations, and better assurance

Reduce Risk Exposure

Prioritize actions, implement controls, policies to mitigate risks

Reduce Cost

Accelerate data gathering, assessments, reporting, audits

90%

Reduction in costs, controls through rationalization

50%

Fewer compliance issues

75%

Reduction in time to complete assessments

90%

Reduction in audit review time



Case Studies

Leading Mining Company in Australia Significantly Improves ESG Performance

Challenge

- Board and Investors demanded better ESG performance and reporting
- Complexity of gathering and analyzing information from across global businesses
- Improve processes associated with ESG reporting, harmonize frameworks and efforts

Business Outcomes:

- Improved time to value with quicker reporting timelines
- Refined issues and remediation management
- Easily manage ESG performance of Third Parties and use it for reporting

Global Leader in Print Hardware, Service, Solutions and Security Dramatically Lowers Global Emissions

Challenge

- Manual approaches to gather and report on various ESG metrics
- Difficult to keep pace with ESG goals
- Lack of visibility on suppliers, third-parties ESG performance

Business Outcomes:

- Reduce time required to track and report on carbon emissions and disclosure reporting
- Real-time visibility into ESG performance