# EDM Webinar Q



















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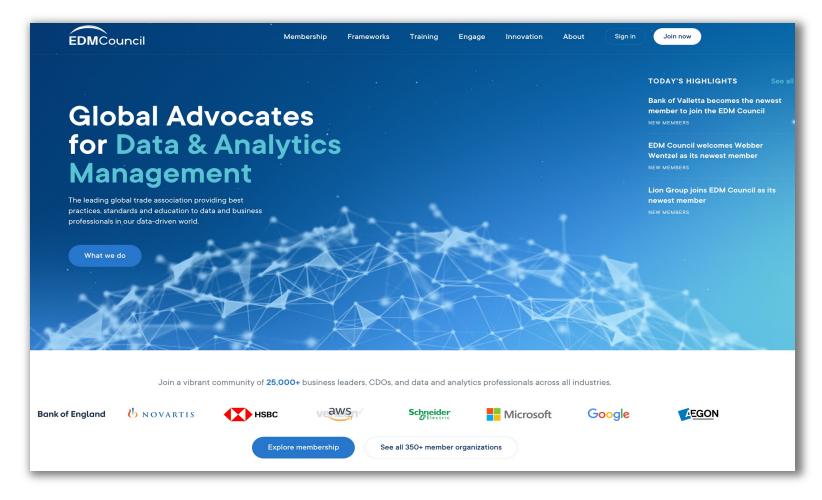








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## Today's panel



Moderator







Jim Halcomb
Head of Product
Management
EDM Council



Jason Lindauer
Head of ESG
Products,
Dun & Bradstreet

Meredith Kalman
ESG Data Lead,
Strategy & Analytics,
Deloitte







**Deloitte.** 

## Background on ESG Disclosure Requirements

ESG Reporting covers integrating
Environmental, Social and Governance
(ESG), to measure the sustainability and
societal impact of a business and/or
investment decision.





Carbon Emissions, Energy Use, Pollution, Waste disposal, Water usage, deforestation, Conservation, land contamination, treatment of animals



Labour standards, community support, product quality & safety, training, ethics, discrimination, working conditions, social capital, supplier relations



Anti-corruption, Shareholder Rights, Exec renumeration, Political Independence, Audits & Accountability, Transparency, Conflict of Interest

The majority of this data is "non-financial"

## Why the focus on Environment?

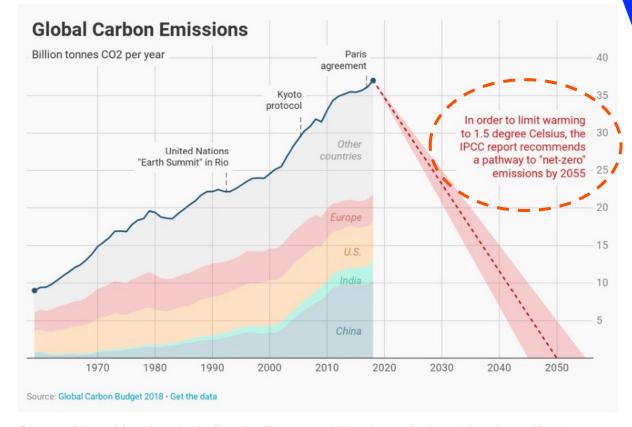
#### The Global Governmental Push

One of the first major drivers for the global pivot was the 2015 Paris Agreement, where hundreds of countries from around the world created a framework focused on fighting climate change.

191 countries have signed the legally-binding 2015 Paris Agreement.

These countries together represent 97% of global carbon emissions





On top of this, 44 nations including the European Union have declared that they will go to "Net Zero", where they will be reducing carbon emissions by the same amount they emit.

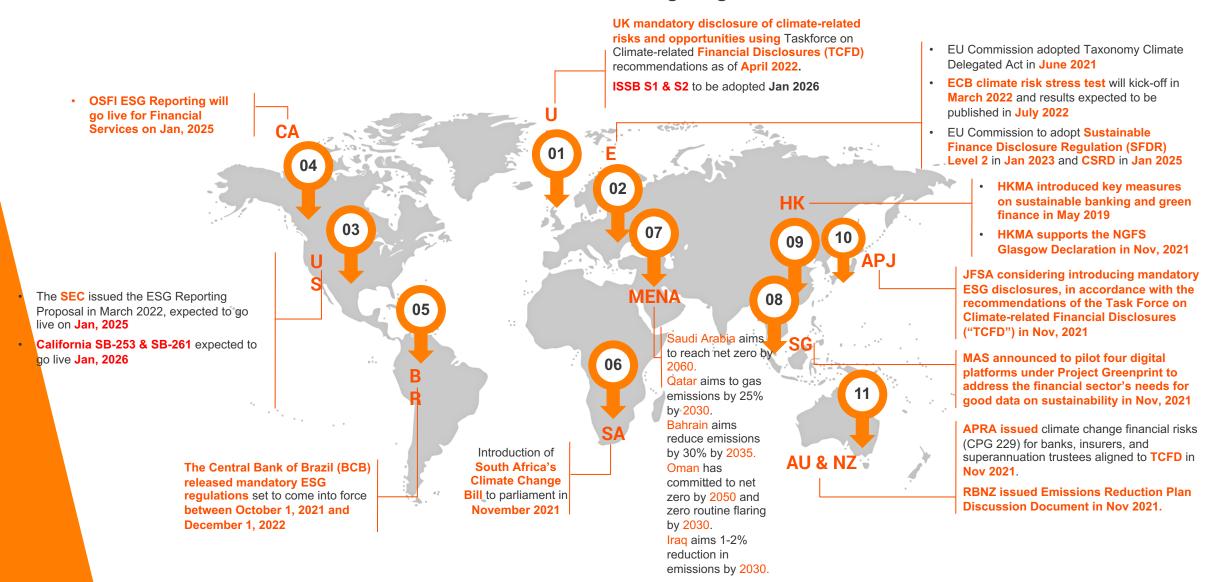
Their motivation is two-fold:

#### 1) Save the world

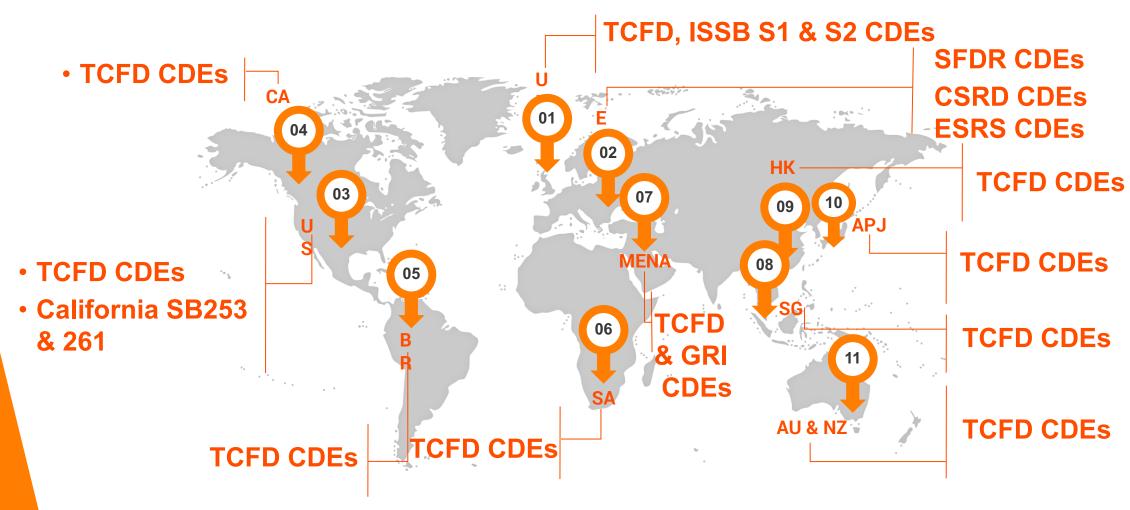
#### 2) Save their economies

The health of the planet isn't the only thing at stake here. If we fail to act on climate change, it's estimated that global GDP could fall by 13% due to the changes in regional weather patterns, effects of pollution and other factors.

## Global ESG Disclosures Data Governance Highlights



## Global ESG Disclosures Data Governance Highlights



## The Cost of Climate-Related Disaster is Higher Than Ever Before

Over the past 5 years, the numbers are astonishing:

•

102

Confirmed weather/climate disaster events in the U.S. costing \$1B+ in damages each

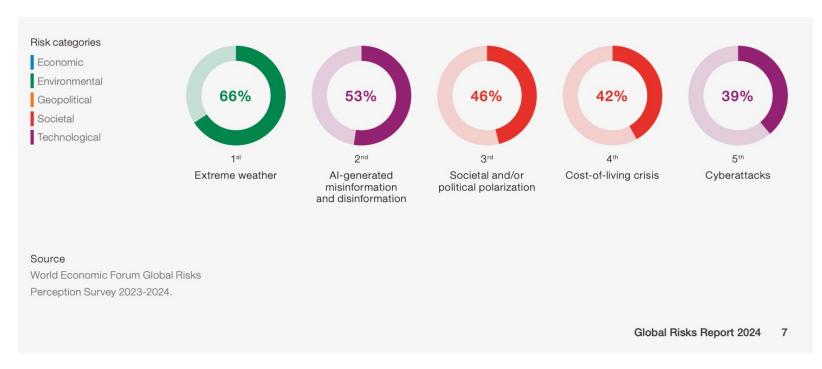


\$609B+

**Economic damages** caused by climate disasters.

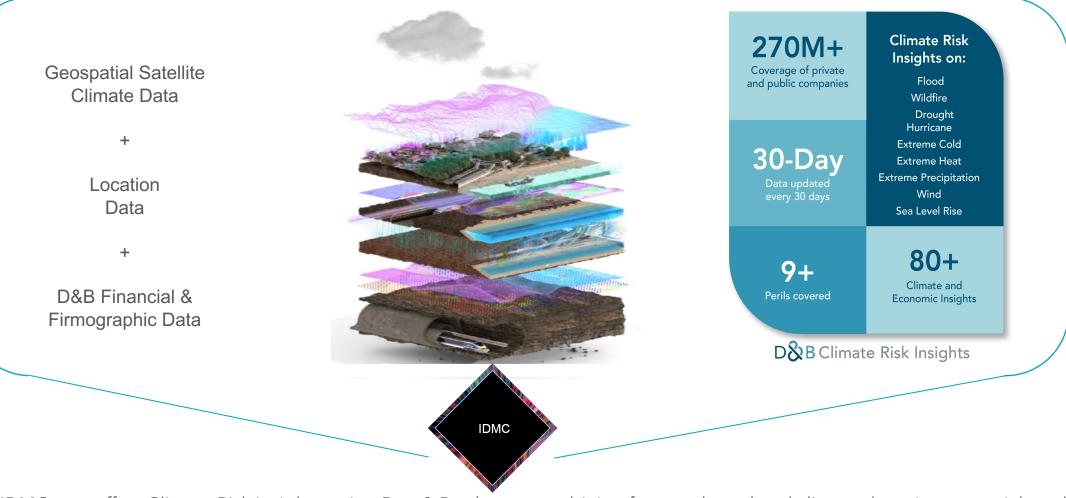
Source: NOAA's billion-dollar disaster data

In World Economic Forum's 2024 Global Risks Report, Extreme Weather Events has taken the No 1 risks for businesses:



Source: WEF Global Risks Report 2024

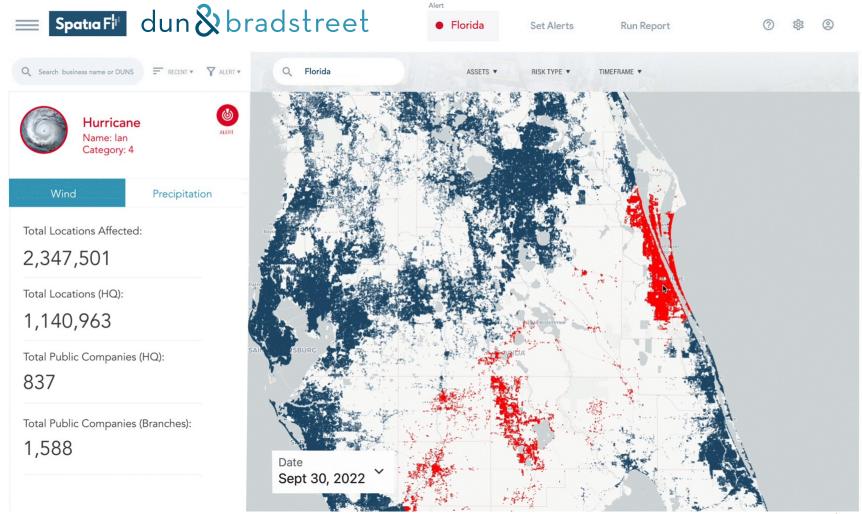
## Climate Risk Insights available in IDMC for Sustainability



IDMC now offers Climate Risk Insights, using Dun & Bradstreet combining frequently updated climate data via geospatial satellite imagery, with location, financial, economic, and firmographic risk intelligence from the Dun & Bradstreet Data Cloud to provide **unparalleled understanding of physical climate risks and resiliency.** 

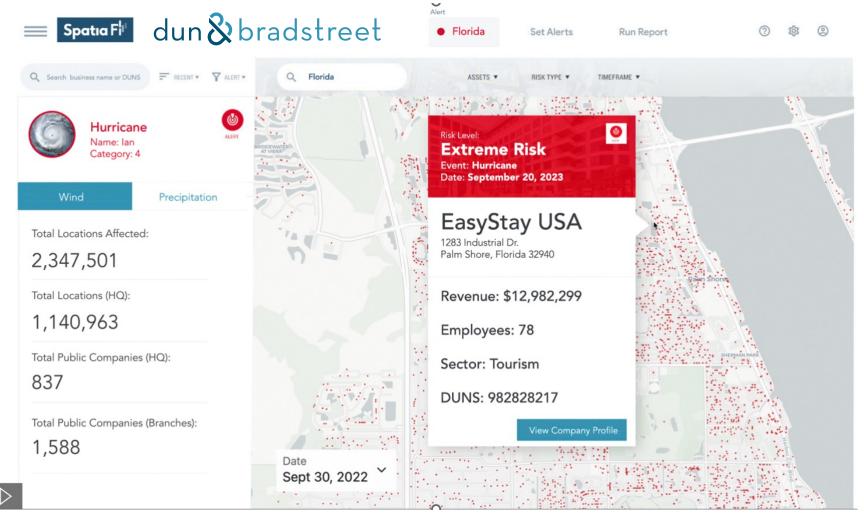
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## Impact of Climate Risks are Challenging to Predict



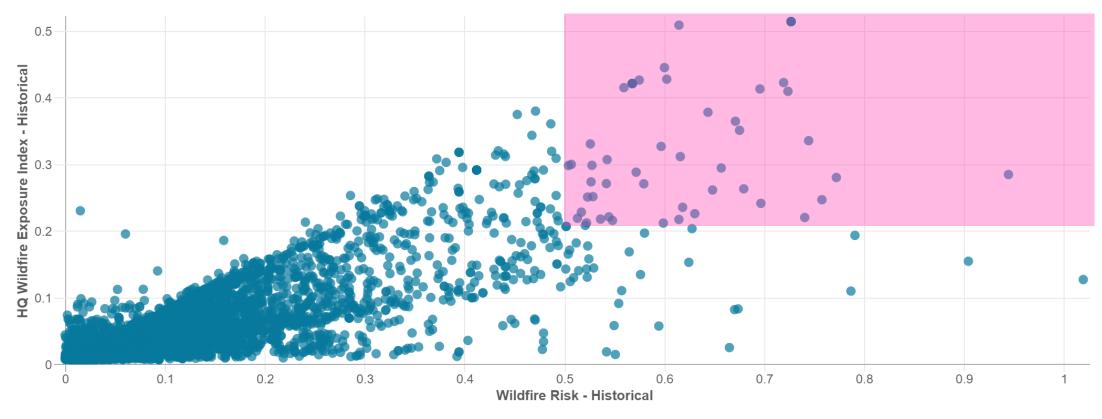


## Leveraging AI/ML Assists in Assessing Climate Risks





## D&B Wildfire Exposure Index – Portfolio Analysis



Source: Dun & Bradstreet, SpatiaFi



# D&B ESG Intelligence

Intelligent third-party sustainability analytics to help companies manage risk, increase supply chain resiliency, and drive entity performance.

### **D&B ESG Intelligence provides:**

- Deep data coverage of over 80+ million public and private companies
- ESG data updated monthly helps support regular reviews
- Scoring built around trusted sustainability frameworks
- ESG data synthesized into meaningful metrics for supplier risk prioritization and informed decision making
- Data depth scores identifying areas where you may want to engage with your suppliers for more insight

#### ONE SOURCE OF TRUSTED ESG DATA

#### **ESG RATINGS BUILT** FROM TOP STANDARDS

CDP

GRI

SASB

**TCFD** 

**UN PRI** 

**UN SDGS** 



#### **MILLIONS OF SOURCES** Financial Filings

DATA GATHERED FROM

Sanctions & Blacklists

**Dun & Bradstreet Data** 

News Media

Regulatory Agencies

**Excluded Parties Lists** 

Financials Enforcement Agencies

NGO Databases

Certifications



#### **GRANULAR ESG RANKINGS**

31 ESG Topic Rankings

13 ESG Topics

#### **DEEP DATA COVERAGE**



## Five Sustainable Insurance Use Cases

## Strategy supported by Informatica and Dun & Bradstreet

#### **Insurance specific use cases**



## Climate Risk Integration in Underwriting & Premium decision making

Understand and monitor Climate risks and claims propensity.

Integrate Climate risk into pricing and actuarial models to help inform underwriting decisions.



## **Climate Enabled Product Innovation**

Develop new operations and products based on understanding and integrating ESG data into policyholder portfolio.

i.e. develop climate risk insurance protection for SMEs, package insureds into side car arrangements and reinsure.



## Premium Discounts for Physical Risk Mitigation Actions

Develop new Climate Risk Premium Discounts for insured that have implemented Physical Risk Mitigation Actions.

Advise insureds on how to improve Climate Resilience of Physical Assets for premium discounts.

#### **General use cases (all industries)**



## **Climate Risk Enabled Supply Chain Resilience**

Monitor and assess Climate risks & ESG performance over large network of suppliers to generate actionable insights.

Help identify and manage Climate and ESG-related reputational, regulatory, and physical risks associated with suppliers.



## Insurance Associated Emissions & ESG Disclosures

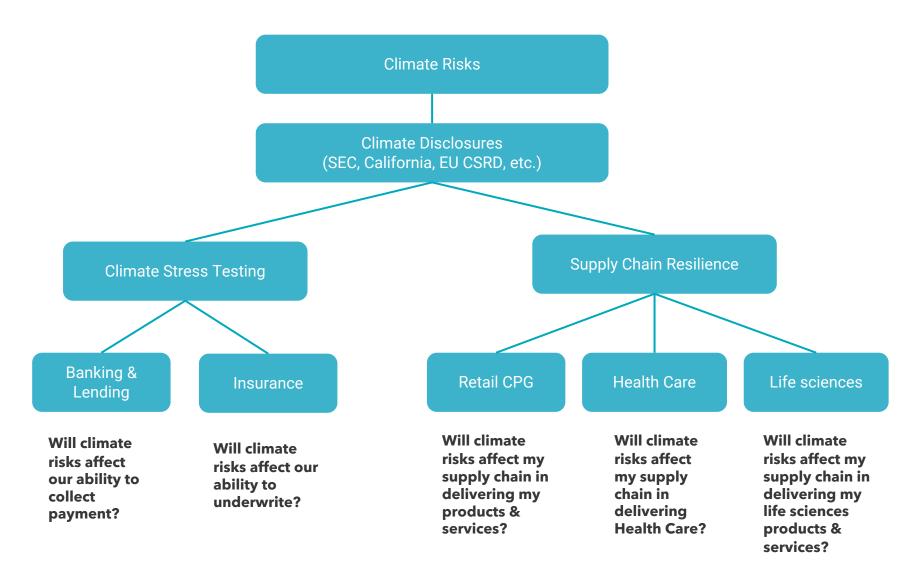
Understand Insurance Associated Emissions, indirect impacts associated with suppliers' operations – such as emerging and previously unknown supply chain risks.

Comply with ESG disclosure reporting requirements.

IDMC Climate Risk Insights by Industry Verticals

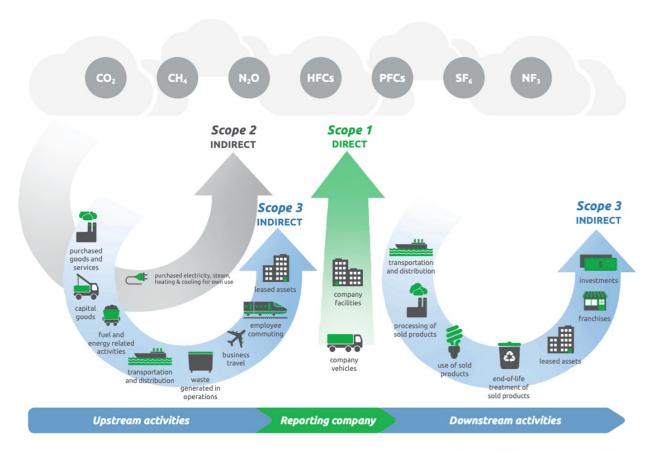


## Climate Risk Use Cases Summary Across Industries



## Greenhouse Gas (GHG) Protocol used in TCFD Reporting

#### OVERVIEW OF GHG PROTOCOL SCOPES AND EMISSIONS ACROSS THE VALUE CHAIN



Source: Greenhouse Gas Protocol Technical Guidance for Calculating Scope 3 Emission https://ghgprotocol.org/scope-3-technical-calculation-guidance

The leading approach for carbon accounting is the Greenhouse Gas Protocol, a joint initiative of the non-profits WRI (World Resources Institute) and WBCSD (World Business Council for Sustainable Development). The GHG Protocol defines three "Scopes" of emissions for GHG accounting and reporting purposes (also see Figure 1):

- SCOPE 1: Direct emissions that result from an organization's activities, such as fuel combustion from facilities (e.g., burning natural gas for space heating) and vehicles that your company owns or controls (e.g., burning gasoline or diesel for company automobiles or trucks).
- SCOPE 2: Indirect emissions associated with an organization's activities, often from the generation of purchased electricity consumed by your company (e.g., emissions from natural gas power plants that supply electricity to your local power grid).
- SCOPE 3: Other indirect emissions from an organization's supply chain, rather that its primary operations (e.g., embodied emissions in purchased raw goods, distribution and transportation, employee commuting, use of sold products, and end-of-life treatment).



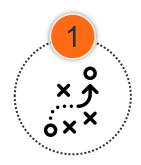
## Challenges with Scope 3 Data in your Supply Chain

CATEGORIES	
1: Purchased Goods and Services	20
2: Capital Goods	36
3: Fuel- and Energy-Related Activities Not Included in Scope 1 or Scope 2	38
4: Upstream Transportation and Distribution	49
5: Waste Generated in Operations	72
6: Business Travel	81
7: Employee Commuting	87
8: Upstream Leased Assets	94
9: Downstream Transportation and Distribution	102
10: Processing of Sold Products	106
11: Use of Sold Products	113
12: End-of-Life Treatment of Sold Products	125
13: Downstream Leased Assets	128
14: Franchises	130
15: Investments	136

It's Critical for CDO's & Data Leaders to Identify & Engage ESG Stakeholders Early and Incorporate Their Data Requirements into the Data Strategy



## What are the ESG Data Challenges?



ESG strategies / frameworks evolve during data journeys



Unknown ESG data quality with data quality metrics not currently captured



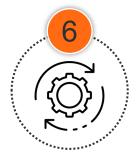
Majority of new ESG data is not subject to existing controls



Disaggregation of ESG data across internal systems



Huge number of data vendors offering different ESG data variations



ESG Integration - Large scale of change required to support ESG requirements across LOBs and Group Functions



Complex reporting requirements with varying standards



# INTELLIGENT DATA MANAGEMENT CLOUD for ESG SUSTAINABILITY

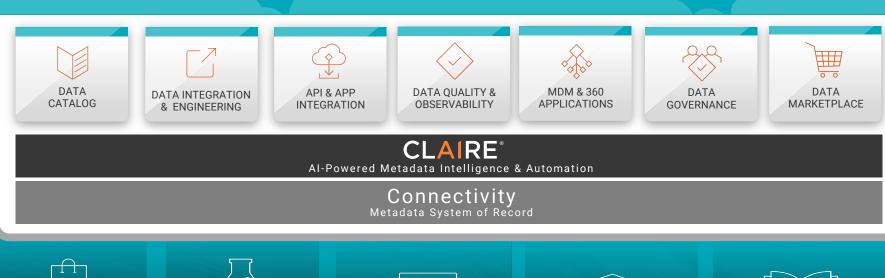


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#### **Intelligent Data Management Cloud**





RETAIL & CPG



HEALTHCARE & LIFE SCIENCES



FINANCIAL SERVICES



STATE & LOCAL GOVERNMENT



HIGHER EDUCATION



**ESG Sustainability** 

#### Company's Proposed ESG Sustainability Data Hub using Informatica's Intelligent Data Management Cloud

# 20% of the effort

#### **EXAMPLES OF COMPANY'S USE CASES**



Sustainability Compliance & ESG Reporting



Supply Chain Due Diligence & Product Traceability



Emissions Tracking & Carbon Accounting



Waste Control

**Examples of ESG Reporting Solutions compatible with Informatica** 



#### Examples of Third-Party ESG Sustainability Data



Earth observation systems Data



Product Emissions & Nutrition Data



Supply Chain & Product Data



ESG Rating Agency Data



Child Labour & Modern Slavery Data

80% of the effort

#### **ESG SUSTAINABILITY DATA HUB**

#### **Environmental Data Democratisation and Collaboration**

Then the final step is to get the clean, trusted Environmenta Data into a Common Data Model fir reporting. This data can then also democratized using Informatica's self service Cloud Data Marketplace to unlock collaboration at scale..

#### Single View of ESG Data / MDM

The fifth step in maturity is to get a single version of the truth, the golden record, the most up to date record for your Environmental Sustainability data or Master Data Management (MDM).

#### **ESG Data Quality**

The fourth step in maturity is to bring 'Trust' to your data through cleaning up the quality of the data.

#### **ESG Data Governance**

The third step in maturity is to assign the appropriate ownership, stewardship and business definitions of the logical data, then link it to the technical data.

#### **ESG Data Catalogue**

The second step in maturity is to build a Data Catalogue of all your technical data assets, using data linage, data profiling, etc. for the Data Lake.

#### **ESG Data Integration, Collection & Automation**

The first step in maturity is to integrate all ESG Sustainability Data into a centralized Sustainability Data Lake to manage this data.

## ESG Sustainability Data Hub coverage by



using Cloud Eco-system Partnerships with







Google Cloud









## Businesses strive to drive sustainability across their E2E value chains is not only the right thing to do, but it is also **good for business**

**Income Taxes** 

# **Enterprise Value**

#### Volume

#### **Price Realization**

#### Acquisition of new customers and growth of current customers, through brand strength & improved transparency

**REVENUE GROWTH** 

- Leveraging of income-generating assets, e.g. through better valorization of waste & by-products
- Strengthened pricing and differentiation through responsible practices & sustainable attributes
- Higher value consumer products through End-to-End supply chain & product design
- Improved product and service availability
- Joint-ventures & partnerships, targeting synergies, efficiencies and risk mitigations

#### **OPERATING MARGIN**

#### SG&A1 COGS 2

- Improved customer interaction efficiency and corporate/shared service efficiency
- Improved development & production efficiency through cost synergies and operational integration
- Improved waste and by-product management through re-use of product and service components
- Reduced procurement costs due to longer-term and preferential contracts
- Reduced supply chain disruptions due to better supplier risk mitigation
- Improved logistics & service provision efficiency, through reduced transportation & fulfilment costs
- Maximized tax credits for expenditure on sustainability initiatives and product offerings

#### ASSET EFFICIENCY

#### PP&E 3

#### Inventory

#### Receivables & Company Strengths

#### **External Factors**

- Improved PP&E efficiency through increased environmental & social performance of real estate and related infrastructure
- Better inventory management
   leading to improved working capital
- Better utilization of logistical & warehouse infrastructure due to joint inventory management
- Improved recovery, re-use and recycling of waste streams
- Better capacity utilization due to more accurate supply & demand planning
- Improved receivables & payables efficiency by ensuring transparency of purchase-to-pay process & alignment with suppliers/customers on sustainability policies

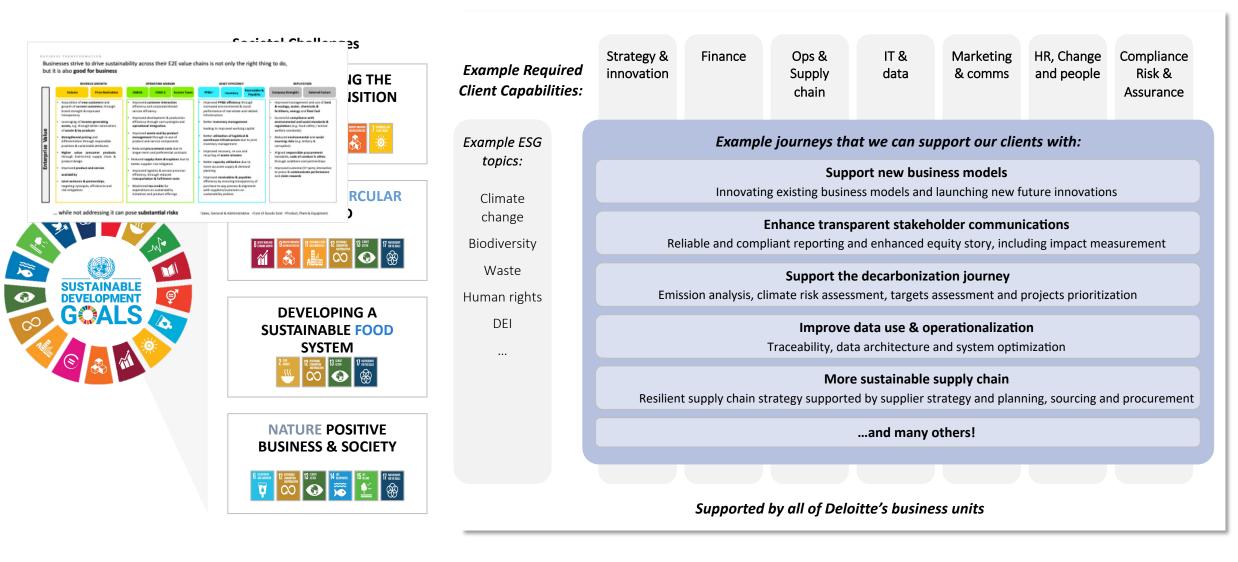
 Improved management and use of land & ecology, water, chemicals & fertilizers, energy and fleet fuel

REPUTATION

- Successful compliance with environmental and social standards & regulations (e.g. food safety / animal welfare standards)
- Reduced environmental and social sourcing risks (e.g. bribery & corruption)
- Aligned responsible procurement standards, code of conduct & ethics through coalitions and partnerships
- Improved customer/3<sup>rd</sup> party interaction to prove & communicate performance and claim rewards

#### BUSINESS TRANSFORMATION

Many ESG topics impact our clients, and we are starting to see distinct journeys by our clients as they shift from compliance towards transformation, with sustainability as an increasingly relevant topic for all client domains



Designing processes with the end in mind involves strategic planning to achieve desired outcomes, and leveraging technology elements; where appropriate enhances efficiency and effectiveness in implementation







#### **ACCESS & INTEGRATE**

Engage with

their Data

Sources

Data

Integrate with

Internal Data

suppliers to collect

Utilize External ESG

Technology

**DISCOVER &** 

**UNDERSTAND** 

- Map Data to
- Convert available data in one platform
- Profile the Data from different sources

 Measure Quality of Data

**CLEANSE &** 

**TRUST** 

- **Apply Business** Rules to the available Data
- Flag the Bad Data & Enrich the Good Data

Define Data Structure

**MASTER &** 

RELATE

- Eliminate Redundancy
- Apply baseline calculations (Hybrid Model\*)
- Define ESG Data **Policies**

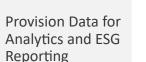
**GOVERN &** 

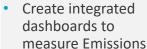
**PROTECT** 

- Define Terms of Use for ESG Data
- Add Controls to secure, access and protect the data

## **SHARE &**









**ESG** Reporting



**Reduce Emissions** 





## **Highly Automated Sustainability Data Management Platform**

Leverages AI Capabilities for Data Profiling, Mapping and Quality Control

#### **Value Proposition**





**Optimal Reporting** 



**Reduced Risk Through Governance & Controls** 



**Audit Ready** 

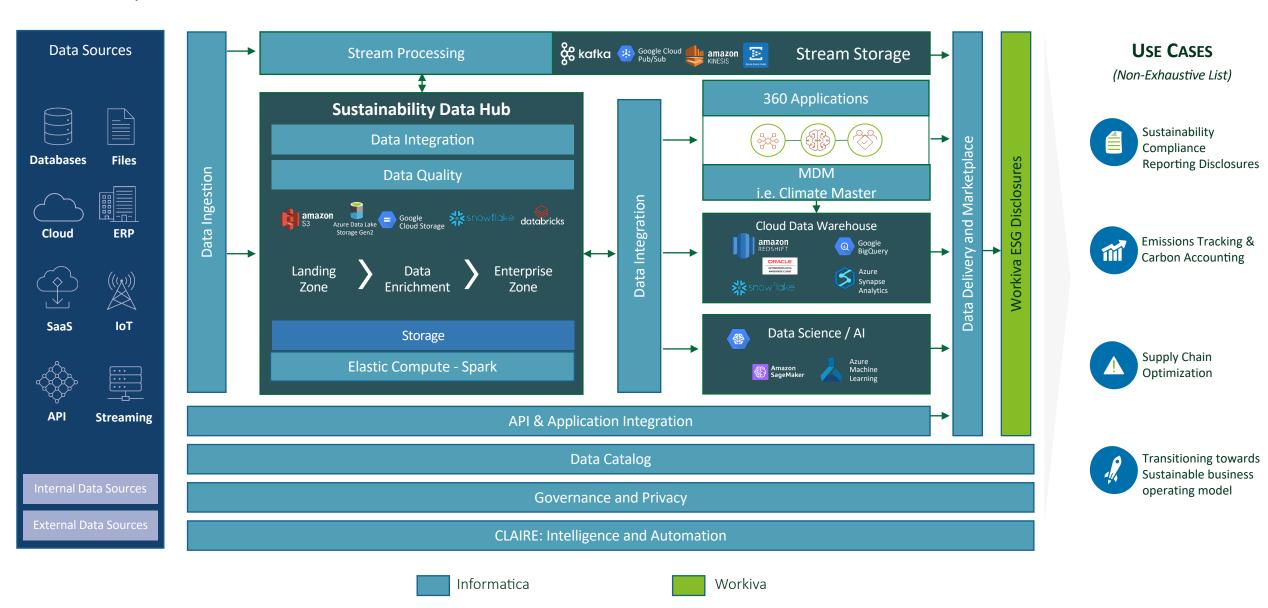
Improved data collection efficiencies that reduces the time and frustration of tracking down needed data collection points

Deloitte ESG data schema and framework makes organizing for downstream reporting easy and configurable

Strengthening ESG reporting and helps reduce companies' risk of adverse government action through creating structure to be SEC-compliant

Repository of data and artifacts facilitates future audits of ESG metrics by having identified data points and respective data captured

#### ESG Enterprise Data Architecture with Informatica & Workiva



## Questions?



dun & bradstreet

Deloitte.



What's Next - Upcoming GenAI, Climate & ESG Executive Roundtable



Save your seat at our upcoming GenAI, Climate & ESG Executive Roundtable – To apply, email <a href="mailto:ESG@informatica.com">ESG@informatica.com</a>.

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## Thank you!

## FOR MORE INFORMATION, **CONTACT:**

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