

The Goldfish Bowl

What does good data look like for a corporate and how are financial market participants using company reported data to compare, rank and invest



Regulatory

Bloomberg | DATA <GO>

Data License Bulk
Data License Per Security
Solutions
Fields
Tools & Resources

Data License Per Security > Use Cases

Per Security Account DL793157 PROD Account Settings

Filters

sfd|

Relevance

Themes

☐ Derived
☐ Entity Reference Data
☒ ESG and Sustainability
☐ Fundamentals and Estimates
☐ Funds
☐ Holdings and Ownership
☐ Instrument Reference Data
☐ Pricing - BVAL Evaluated
☐ Pricing - Exchange and Contributed
☐ Regulatory
☐ Risk

Search Results: sfd ESG and Sustainability Clear All

Leverage the power of Per Security and create a customized feed with only the data you need using our recommended fields.

[Create Per Security Request](#)

Bloomberg LP

SFDR Good Governance

Provides mapping of Bloomberg ESG data fields to Sustainable Finance Disclosure Regulation (SFDR) sustainable investment good governance screening criteria.

14 Fields

Bloomberg LP

SFDR Regulatory Disclosure Data

Provides company level reported ESG content and Green House Gas (GHG) estimates mapped to the Principal Adverse Indicators (PAIs) to meet the European Uni...

52 Fields

Bloomberg LP

SFDR Fund European ESG Template (EET) Reported Data

SFDR Fund EET reported data enables clients to compare 3rd party ESG funds, support ESG Regulatory disclosure and compliance with MiFID II suitability assess...

164 Fields

Bloomberg LP

SFDR Mandatory Principal Adverse Impacts Indicators

Bloomberg data supports asset manager with the Sustainable Finance Disclosure Regulation (SFDR) Principal Adverse Impacts (PAI) mandatory metric reporting.

75 Fields

Bloomberg LP

SFDR Optional Principal Adverse Impacts Indicators

Bloomberg data supports asset manager with the Sustainable Finance Disclosure Regulation (SFDR) Principal Adverse Impacts (PAI) optional metric reporting.

36 Fields

Bloomberg LP

MiFID II ESG Investor Protection

Provides fields to indicate the sustainability nature of products in line with MiFID II Investor protection requirements including EU Taxonomy and SFDR data.

79 Fields

Bloomberg LP

ESG Regulatory Disclosure Data

Provides company level reported EU Taxonomy alignment and SFDR Principal Adverse Impact (PAI) data points, which form the foundation to meet minimum, mandat...

68 Fields

Bloomberg LP

EU Taxonomy Company Reported Data

This product lists all fields that capture company reported EU Taxonomy data and offers the minimum data required for compliance.

21 Fields

Bloomberg LP

Task Force on Climate Related Financial Disclosures

Most relevant fields for climate related Task Force on Climate Related Financial Disclosures by companies for governance, strategy, risk management, metrics and tar...

155 Fields

Bloomberg LP

Implied Temperature Rise

The fields in this list provide Bloomberg's Implied Temperature Rise (ITR) metrics, which calculate the temperature alignment of companies with climate goals such as N...

10 Fields

Bloomberg LP

EBA Pillar 3 Climate Risk

Fields mapped to the European Banking Authority (EBA) Pillar 3 disclosures for ESG risks to support banks with disclosure requirements including Green Asset Ratio (...)

52 Fields

Bloomberg <http://data.bloomberg.com>

Research – Supply chain

Thematic Investing



What Problems We Solve

Use Bloomberg Recommended Products

Company Fundamentals

Standardized face-of-statement data, reference items, key ratios, and data from the notes to financial statements for global public and private companies.

[View Bulk Product →](#)

[View Per Security Template →](#)

Company Segment Fundamentals

Company segment fundamentals provide segment level fundamentals data such as as reported, industry standardized and geographic standardized data.

[View Bulk Product →](#)

Industry Specific Company Fundamentals

Standardized company reported sector and industry-specific line items for covered industries including.

[View Bulk Product →](#)

[View Per Security Template →](#)

You Might Also Be Interested In

Supply Chain

Provides access to as reported and Bloomberg estimated customer and supplier relationships for companies globally.

[View Bulk Product →](#)

[View Per Security Template →](#)

Facilities

Global geolocation data for company manufacturing, distribution, R&D and sales facilities including datapoints like facility type and manufactured products.

[View Bulk Product →](#)



Thematic Screening

Screen for companies which are aligned with the fund's investment theme.

Explore the global company universe :

- Company segment fundamentals (standardized) data to identify companies aligned with the fund theme by screening at the sector, industry, sub industry and more granular segment levels



Thematic Research

Research companies which are aligned with the fund's investment theme.

Perform deep bottom up company research and peer analysis:

- Company financials data to perform individual company analysis utilizing financial and operating metrics to pick the best in class companies
- Industry specific company financials to perform peer analysis on companies within a sector, industry or sub industry



Due Diligence & Risk Assessment

Perform due diligence and risk assesment of the selected companies prior to including them in the fund.

Perform due diligence and assess risk:

- Supply chain data to track the company's business suppliers and customers to identify supplier vulnerabilities and product demand risk
- Facilities data to assess exposure to physical risk, geopolitical risk and ESG risk

Risk @ security level

Net Zero Banking Alliance



Background

Every bank will need to adjust their business modes, develop credible planes for the transition to a low carbon, climate resilient future and then implement those plans. Net Zero Banking Alliance brings together banks worldwide representing about 40% of global banking assets which are committed to aligning their lending and investment portfolios with net zero emissions by 2050. Senior leaders have made voluntary commitments to reduce their carbon footprint through such frameworks as the United Nations Sustainable Development Goals (UN SDGs), Glasgow Financial Alliance for Net Zero (GFANZ), and Task Force on Climate-Related Financial Disclosures (TCFD) and need to report progress to internal and external stakeholders.

What Problems We Solve



Self Assessment

Measure against current and forecasted emissions per peers, companies in own supply chain, and companies in high CO2 emitting sectors.

Assess where you are today:

- Company financials data to find granularity across peers
- Supply chain data to track all of your business suppliers and customers
- Classifications data to identify clusters of companies per industry including high carbon emitting areas
- Carbon Emissions scope 3 data to determine carbon emissions impact of all companies within your supply chain
- Implied temperature rise data to validate against SBTi targets



Set Action Plan

Set multi-stage emissions reduction plan by year, near-term interim goals as well as long-term goals, even beyond 2025.

Create governance process for tracking targets:

- ESG company reported data to monitor what your peers are reporting about their progress
- Carbon intensity data to view a simplified way to compare companies' greenhouse gas emissions performance



Management

Accelerate deployment of mature climate solutions, support development of new climate solutions, and determine how to phase out uneconomic assets.

Manage new and ongoing projects:

- BNEF data to deep dive into industry research on carbon, energy, and power sectors

Use Bloomberg Recommended Products

Carbon Emissions

Reported and estimated greenhouse gas emissions data, including scope 1, 2 and 3 emissions and intensity ratios for companies globally. History back to 2010 is included.

[View Bulk Product →](#)

[View Per Security Template →](#)

Company ESG

Company-reported Environmental, Social and Governance (ESG) data, derived ratios, and sector and country-specific ESG detail for companies globally.

[View Bulk Product →](#)

Carbon Targets

Provides companies' carbon target data, sourced by Bloomberg directly from companies or from the SBTi website, or by CDP in their climate change information req...

[View Per Security Template →](#)

You Might Also Be Interested In

Corporate Structure

Corporate hierarchy and entity reference data for legal entities including public/private companies, sovereign entities, funds, governments, agencies and municipalities.

[View Bulk Product →](#)

[View Per Security Template →](#)

Supply Chain

Provides access to as reported and Bloomberg estimated customer and supplier relationships for companies globally.

[View Bulk Product →](#)

[View Per Security Template →](#)

Company Fundamentals

Standardized face-of-statement data, reference items, key ratios, and data from the notes to financial statements for global public and private companies.

[View Bulk Product →](#)


[View Per Security Template →](#)

Legal Entity Level BICS

BICS classifications data for public and private legal entities.

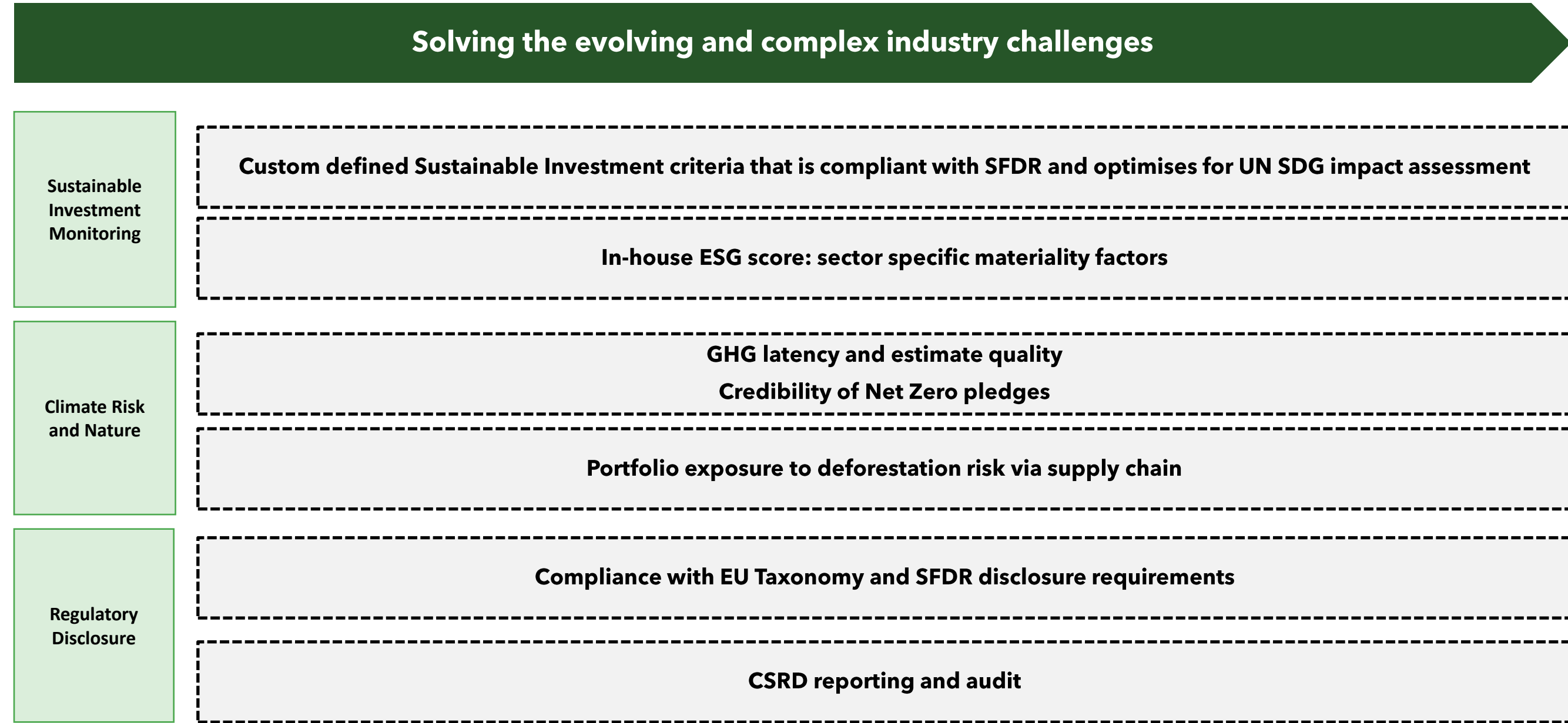
[View Bulk Product →](#)

[View Per Security Template →](#)

 [bloomberg.com/solutions/netZeroBankingAlliance](https://www.bloomberg.com/solutions/netZeroBankingAlliance)

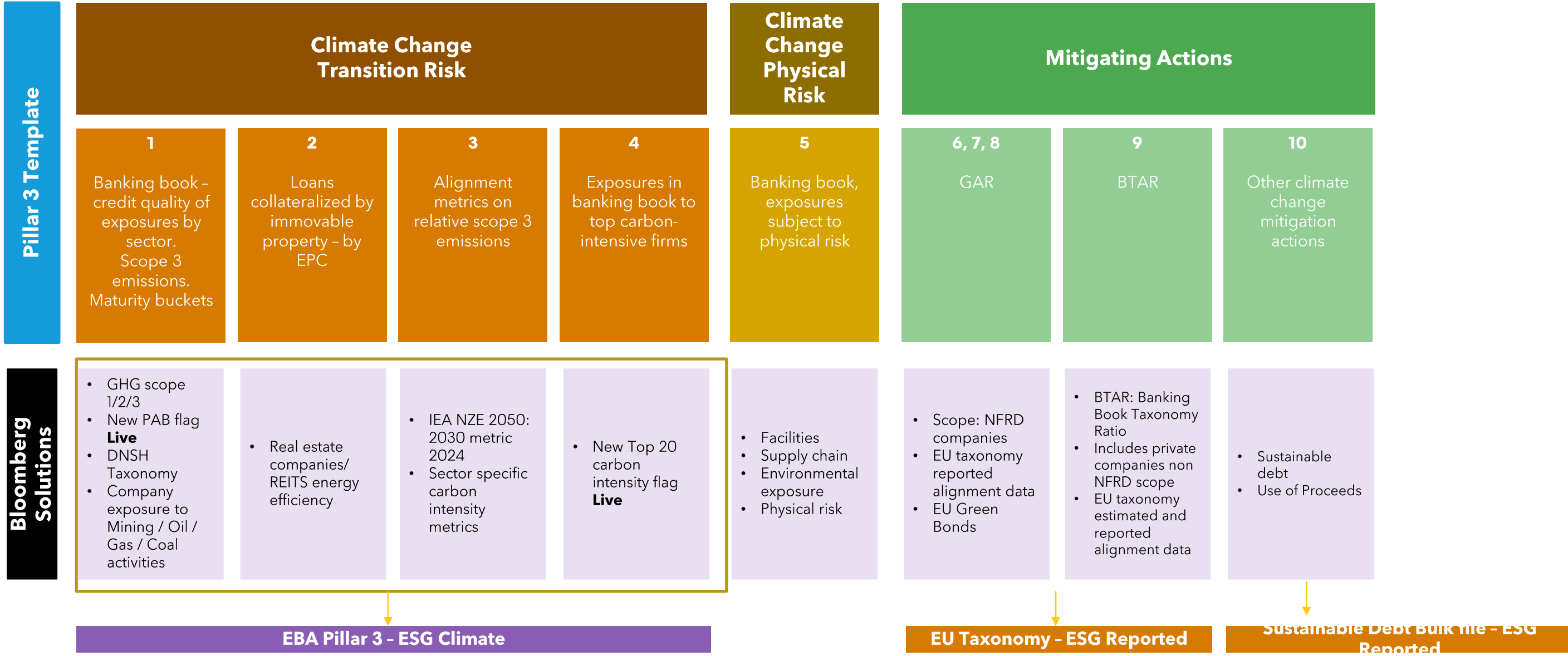
4

The Why and What that Financial Market Participants care about



EBA Pillar 3 ESG Disclosures- *energy efficiency & fossil fuel disclosure is now mandatory*

Bloomberg's EBA Pillar 3 Climate Risk data supports banks in populating the ESG pillar 3 Climate Risk templates by providing underlying fields such as carbon scope 1/2/3, carbon sector specific production metrics, Top 20 Carbon Intense companies, Paris Aligned Benchmark (PAB) exclusion indicator, EU Taxonomy Climate Change Mitigation (CCM), and Climate Change Adaptation (CCA) that are required for reporting.



Bloomberg EU Taxonomy: *rewards energy supply type*

Regulatory Disclosure

Compliance with EU Taxonomy and SFDR disclosure requirements

Bloomberg LP
Climate Risk EBA Pillar 3

Bloomberg's Climate Risk EBA Pillar 3 solution provides banks with climate data for the Transition Risk templates 1-4 enabling regulatory disclosure and compliance.


Bloomberg LP
Company Segment Fundamentals

Company segment fundamentals provide segment level fundamentals data such as as reported, industry standardized and geographic standardized data.



Data Quality Reported Data

- Accuracy and timeliness of reported data
- Broad global company coverage: NFRD/CSRD
- 1,644 Reported Eligibility & 1,371 Reported Alignment



Fit for Purpose Estimates

- Comply with ESMA guidance
- Full transparency
- Detailed documentation
- 50K+ eligibility and up to 15K companies estimated alignment testing



Future-Proof

- Ready to ingest large volumes of data in anticipation of reporting requirements in 2024-26+

OMV AV Equity				Get Link	Export	S
Classification				BICS	Currency	EUR
Hierarchy				Rev	% Rev	
▼ Energy						
▼ Oil & Gas						
▼ Oil & Gas Producers						
*Integrated Oils						
▼ Exploration & Production						
Crude Oil & Natural G...				30.16B	48.42	
Refining & Marketing				19.86B	31.88	
▼ Materials						
▼ Materials						
▼ Chemicals						
▼ Basic & Diversified Che...						
Organic Chem & Inter...				12.27B	19.70	

ORSTED DC Equity				Get Link	Export	S
Classification				BICS	Currency	EUR
Hierarchy				Rev	% Rev	
▼ Energy						
▼ Renewable Energy						
▼ Renewable Energy						
▼ Renewable Energy Equi...						
▼ Wind Energy Equipment						
Wind Turbines				4.69B	26.45	
▼ Utilities						
▼ Utilities						
▼ Electric Utilities						
▼ Power Generation				9.86B	55.56	
▼ Renewable Energy Ge...				7.75B	43.69	
▼ Wind Energy Genera...						
*Wind Energy - R...				6.99B	39.41	
Biomass & Waste En...				354.07M	2.00	
Electric Transmission &...				37.15M	0.21	
▼ Elec & Gas Marketing & T...						
▼ Elec & Gas Marketing & ...				3.15B	17.78	
Gas Marketing & Tradi...				2.81B	15.84	

Sustainable Finance Disclosure Regulation (SFDR)

Bloomberg Company and Security SFDR PAI Data



Bloomberg GHG Estimates and Waterfall

– energy supply type determines Scope 2 emissions. GHG Emissions are a risk factor, investors will divest

Reported Carbon data limited: estimates allows significant expansion of coverage

- ❑ Bloomberg deliver three set of GHG fields: Reported, Smart Estimates & Industry Implied Estimates
- ❑ Smart estimates: 70K+ companies Scope 1 & 2, 58K Scope 3 with ML, 5K+ bottom-up Scope 3
- ❑ Industry implied: 130K+ Scope 1 & 2, 117K Scope 3
- ❑ Waterfall fields for every company covered: reported data will always take preference over the estimates
- ❑ PCAF Quality score

Bloomberg LP

Carbon Emissions

Reported and estimated greenhouse gas emissions data, including scope 1, 2 and 3 emissions and intensity ratios for companies globally. History back to 2010 is included.

SUBSCRIBED

Featured

Climate Risk and Nature

GHG latency and estimate quality
Credibility of Net Zero pledges

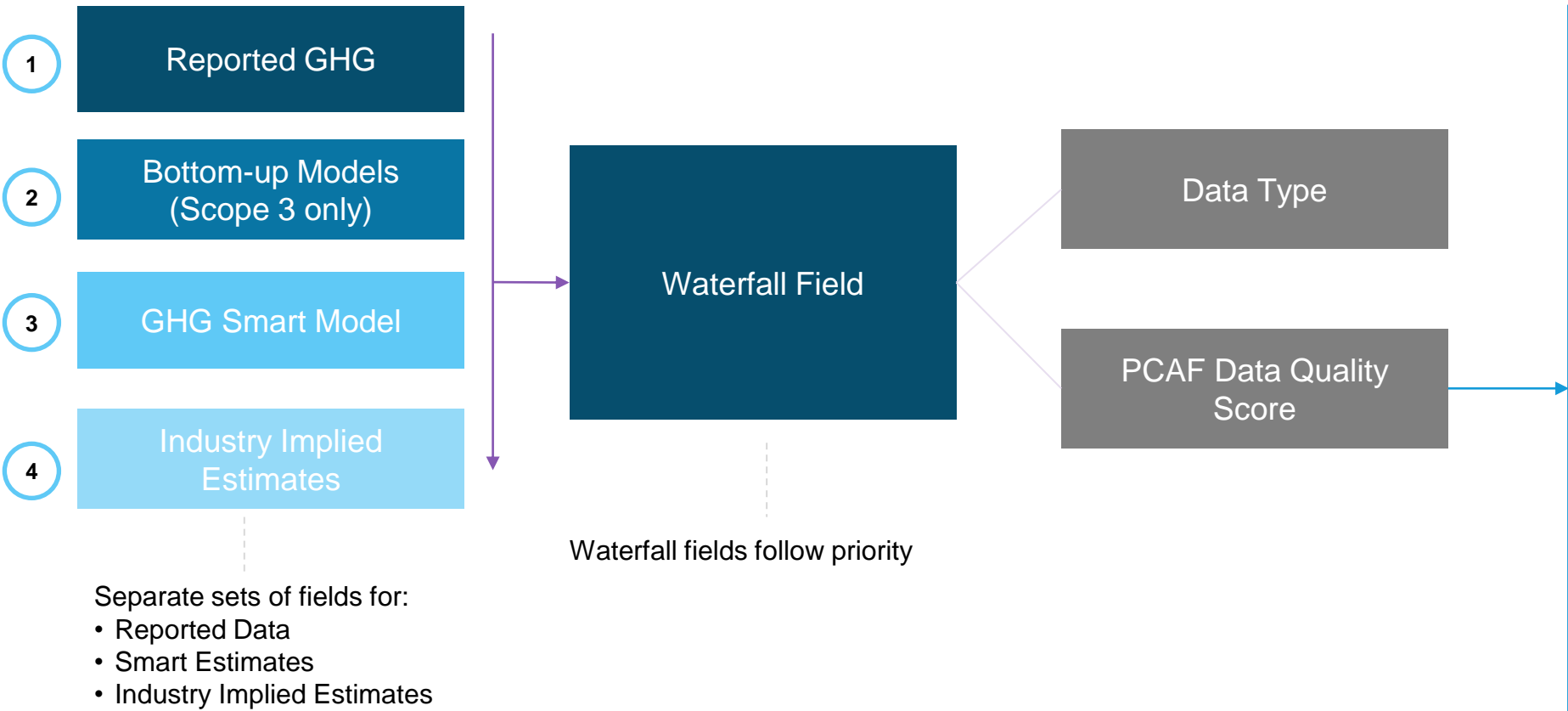
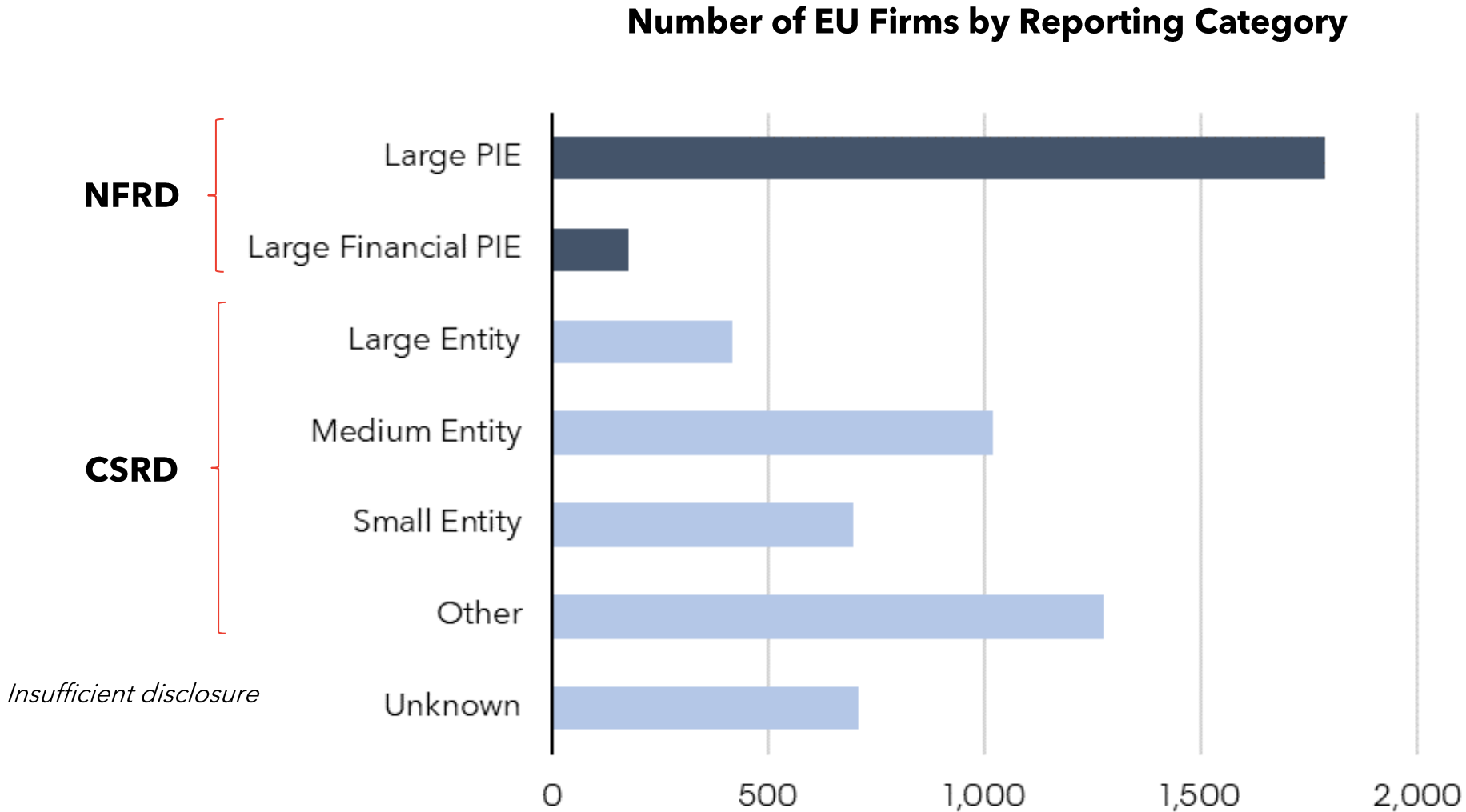


Table 5-5. General description of the data quality score table for business loans and unlisted equity ⁹²			
(score 1 = highest data quality; score 5 = lowest data quality)			
Data Quality	Options to estimate the financed emissions		When to use each option
Score 1	Option 1: Reported emissions	1a	Outstanding amount in the company and total company equity plus debt are known. Verified emissions of the company are available.
		1b	Outstanding amount in the company and total company equity plus debt are known. Unverified emissions calculated by the company are available.
Score 2	Option 2: Physical activity-based emissions	2a ⁹³	Outstanding amount in the company and total company equity plus debt are known. Reported company emissions are not known. Emissions are calculated using primary physical activity data for the company's energy consumption and emission factors ⁹⁴ specific to that primary data. Relevant process emissions are added.
		2b	Outstanding amount in the company and total company equity plus debt are known. Reported company emissions are not known. Emissions are calculated using primary physical activity data for the company's production and emission factors specific to that primary data.
Score 3	Option 3: Economic activity-based emissions	3a	Outstanding amount in the company, total company equity plus debt, and the company's revenue ⁹⁵ are known. Emission factors for the sector per unit of revenue are known (e.g., tCO ₂ e per euro of revenue earned in a sector).
Score 4		3b	Outstanding amount in the company is known. Emission factors for the sector per unit of asset (e.g., tCO ₂ e per euro of asset in a sector) are known.
Score 5		3c	Outstanding amount in the company is known. Emission factors for the sector per unit of revenue (e.g., tCO ₂ e per euro of revenue earned in a sector) and asset turnover ratios for the sector are known.

Clients can assess the reporting obligations of companies in their portfolio



Every company is categorised according to EU reporting guidelines based on:

- country of incorporation equity/bond listings
- BICS classification
- number of employees
- etc.

CSRD requires greater granularity in ESG reporting

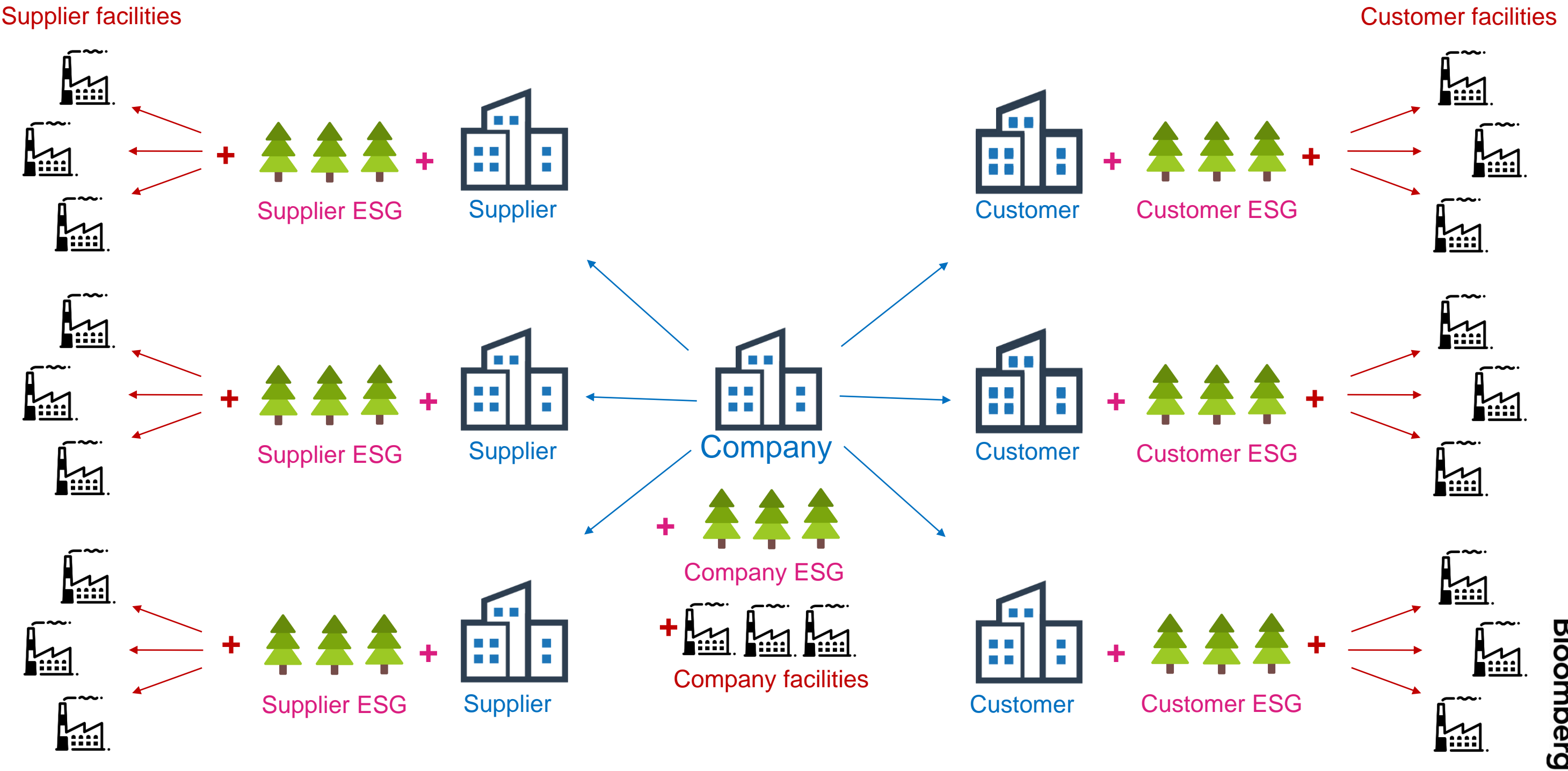
Field Breakdown (preliminary)

	Theme	Total
E1	Climate Change	196
E2	Pollution	68
E3	Water	54
E4	Biodiversity	122
E5	Circular Economy	74
S1	Workforce	166
S2	Value Chain	60
S3	Communities	60
S4	Consumers	66
G1	Business Conduct	45
Total		911

including
qualitative fields
requiring narrative disclosure

new fields
(not present in current ESG data
templates)

Global Facilities – combined with ESG and Supply Chain



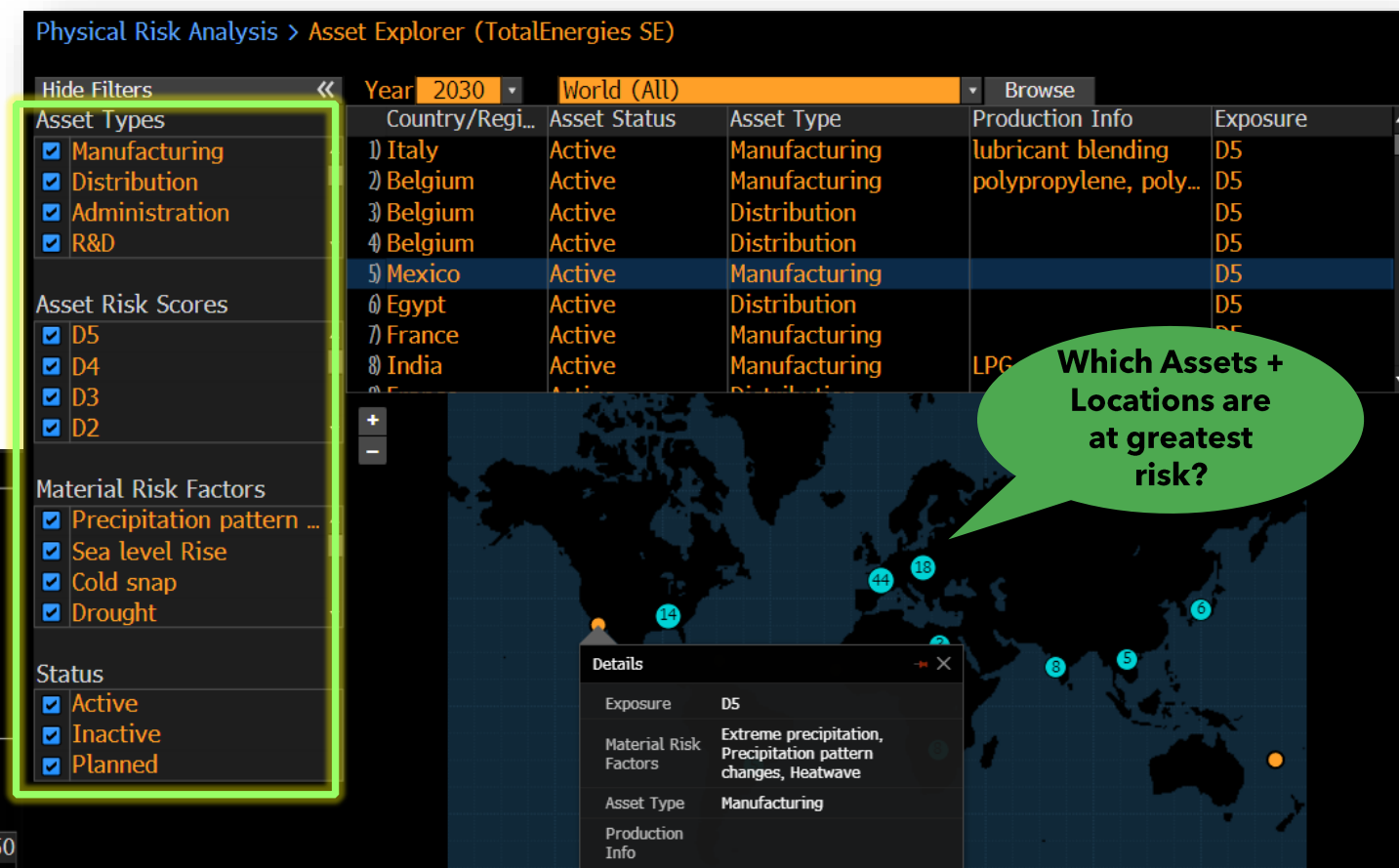
Corporate Physical Risk Scores – *energy source location is a risk*

Company's Risk Profile to a Range of Scenarios

- ESG CLMR<GO> allows an investor to assess the company's physical risk profile
- Acute and Chronic risk exposure of company's assets
- Exposure across different scenarios and time lines



How many of Total's assets are exposed to Acute or Chronic risk factors?



What impact does fashion have on biodiversity?

BRITISH
VOGUE

“Growing cotton – which makes up a third of fibres found in our clothes – can lead to soil degradation and habitat loss, as well as damage to species through the use of harmful pesticides. Leather, meanwhile, is a product of livestock farming, an industry that is responsible for 70 per cent of deforestation in the Amazon rainforest. Viscose, too, is a significant contributor to deforestation, with an eye-watering 150 million trees logged annually to produce the fibre.”

“Supply Chains are the Front Lines of ESG, Like it or Not*”

The Social



How Leicester's booming clothes factories fell apart at the seams

The city once clothed the world. Now it's blighted by fast fashion and its reputation is stained after a 'slave labour' exposé

Bloomberg

Boohoo faces £100m lawsuit over 'modern slavery' scandal at Leicester workshops that exposed how staff worked for as little as £4 an hour in poor conditions and wiped more than £1bn from its value

- A case is being planned on behalf of investors who lost out when shares fell

Fast fashion: Boohoo breaks promises on ethical overhaul

6 November 2023

Share

Company Reported Data

Bloomberg captures significant amounts of company reported data which helps the user to understand.

- Pressures a company exerts on nature
- Governance & management structures in place to manage nature related risks
- Commodity sourcing and certification
- Nature related policies
- Nature related metrics and targets

See MDLZ US Equity ESGD ALL /S
5TCZ1XWHILALXVR96TV4GA3KR<GO>

For a link to all company reported fields.

Coverage = 15,000 global companies or
~96% global market cap

MDLZ US Equity

Copy Search Link

ESG Data Discovery

AllBBG ScoresMSCICounts (BQL)

Framework: TNFDProvenance: As Reported

Hide Filters

▼ Applicability

Company/Issuer

145

Security

3

▼ Provenance

☒ As Reported

148

☐ Derived

29

▼ Data Type

▶ Metric

105

Qualitative information

42

Date

1

More...

▼ Asset Class

Equity & Fixed Income

145

Fixed Income Only

3

▼ Field Availability

▶ EQS

121

BQL

119

▶ Data License

89

Field ID

Description

Freq

Field Value

1) ES005 GHG Scope 1 & 2 Location-Based Yearly 1,672.880

2) ES076 GHG Scope 1 Yearly 879.703

3) ES077 GHG Scope 2 Location-Based Yearly 793.176

4) ES078 GHG Scope 3 Yearly 28,485.199

5) ES020 Total Waste Yearly 280.000

6) ES016 Total Water Use Yearly 13,767.000

7) DT607 Green Bond/Loan Indicator Ad hoc

8) ES059 Human Rights Policy Yearly Y

9) ES019 Hazardous Waste Yearly

10) ES037 Environmental Supply Chain Management Yearly Y

11) ES039 Waste Reduction Policy Yearly Y

12) ES021 Waste Recycled Yearly

13) ES118 Social Supply Chain Management Yearly Y

14) ES269 Total Water Withdrawal Yearly 13,767.000

15) ES033 Amount of Environmental Fines Yearly

16) ES032 Number of Environmental Fines Yearly

17) ES041 Environmental Quality Management Policy Yearly Y

18) ES007 Nitrogen Oxide Emissions Yearly

19) ES042 New Products - Climate Change Yearly N

20) ES018 Discharges to Water Yearly

21) ES017 Pct Water Recycled Yearly

Data licenced for use across your enterprise via data.Bloomberg.com

Create Current Data (getData) Request

Select your inputs (Instruments and Fields) and scheduling (ad hoc, daily, weekly or monthly) to retrieve the data.

This request can be submitted once all criteria below are met.

1. Compile Field List *

2. Compile Instrument List *

3. Configure Request Details *

Request Name

Delivery Frequency

Other Settings

1. Compile Field List

Compile a field list with any combination of

Upload a List

Drag and drop fields from a file, upload or drag and drop a file of fields

Load a Saved List

Load fields from a saved list in your DL account

Load a Bloomberg List

Load fields from a list curated by Bloomberg

IDENTIFIER	BOO LN Equity	ASC LN Equity	GFG GR Equity	ZAL GR Equity
SHORT_NAME	BOOHOO GROUP PLC	ASOS PLC	GLOBAL FASHION G	ZALANDO SE
SPPLY_CHN_MODRN_SLVRY_ASSMNT	TRUE		FALSE	TRUE
ESG_SCORE_PERCENTILE	82.4	92.9	79.2	93.3
GHG_SCOPE_1_2_3_PER_EVIC	526	971	697	563
SUPPLIER_AUDITS_CONDUCTED				302
SOCIAL_SUPPLY_CHAIN_MGMT			TRUE	TRUE
CMDTY_SRCNG_ESG_RISKS_DISCSD		TRUE		
HUMAN_RIGHTS_DUE_DIL_PROC				TRUE
SUPPLIER_FACILITIES_AUDITED				
CDP_BIODIVERSITY_OVERSIGHT				Yes, executive management-level responsibility
ADOPT_TNFD_RECOMMENDATIONS		TRUE		
ZERO_DEFORESTATION_POLICY				
EXEC_LEVEL_OVERSIGHT_BIODIV				TRUE
COMMIT_EX_BIODIV_REL_INITITV				TRUE
CLIMATE_SCENARIO_ANALYSIS				TRUE

Understand Biodiversity-related exposures

At Risk Commodity Fields within the Supply Chain

Climate Risk and Nature

Portfolio exposure to deforestation risk via supply chain

Bloomberg uses our BICS classifications and segmentation allow you to find revenue exposure to ‘at risk’ commodities. Coverage >50k companies

SDPL MK Equity Get Link Export

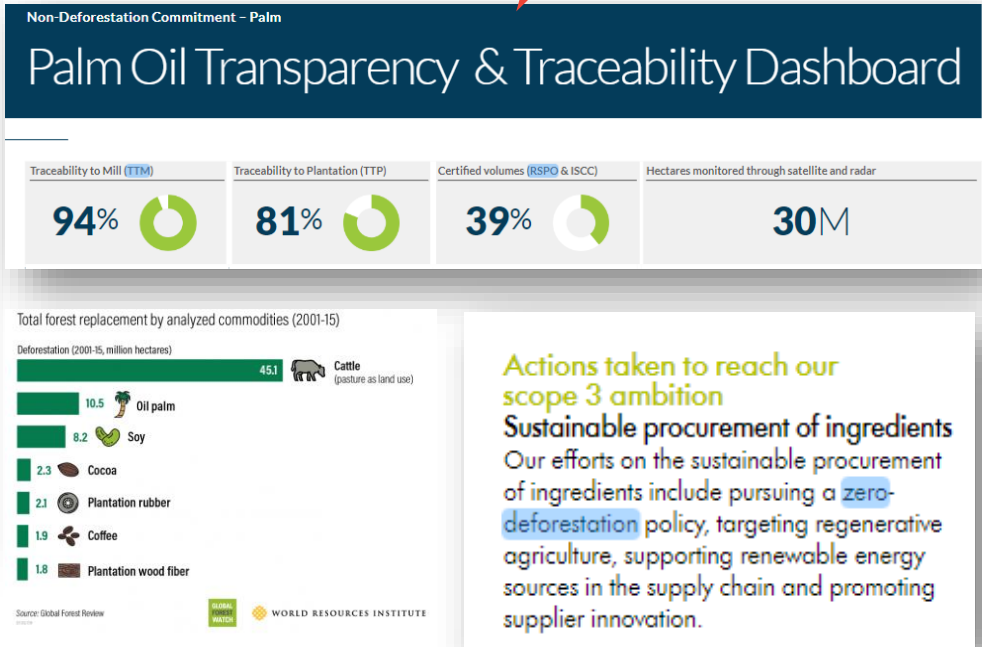
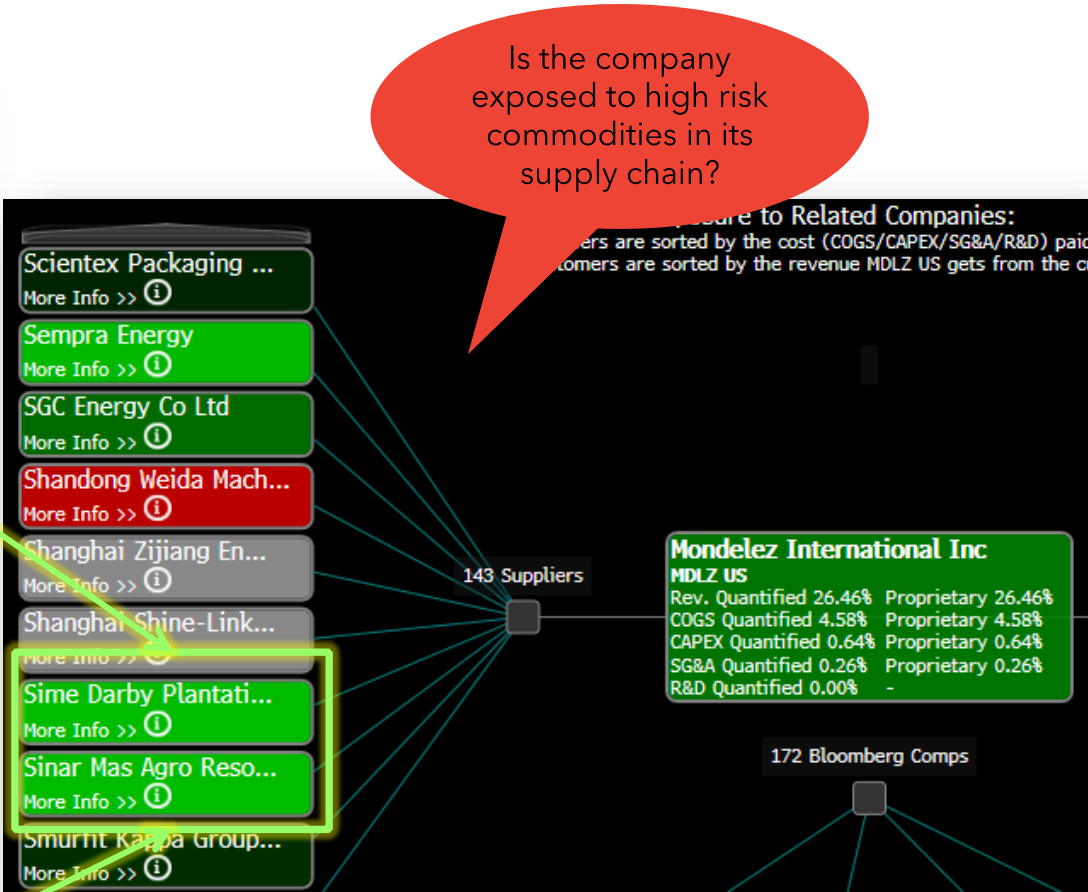
Classification **BICS** Currency **USD**

Hierarchy	Rev	% Rev
▼ Consumer Staples		
▼ Consumer Staple Products		
▼ Food		
▼ Agricultural Producers		
▼ Sugar, Grain & Oils...		
▼ Grain & Oilseed M...		
*Palm Oil Proc...	4.51B	100.00

SMAR IJ Equity Get Link Export

Classification **BICS** Currency **USD**

Hierarchy	Rev	% Rev
▼ Consumer Staples		
▼ Consumer Staple Products		
▼ Food		
▼ Agricultural Producers		
▼ Food Crop Producti...		
▼ Oilseed Farming		
Palm Oil Farmi...	527.49M	13.24
▼ Sugar, Grain & Oils...		
▼ Grain & Oilseed M...		
*Palm Oil Proc...	3.46B	86.76



SPLC<GO> Supply Chain data covers 23k public and 90k private companies, comprising **>1m relationships**

- New Supply Chain Linked at risk commodity fields (end Q3 2023)

Deforestation : Direct Exposure

Bloomberg also captures commodity exposure data for 50,000+ global companies, with transparency available.

For example for Mondelez, we find exposure to

- Beef / Leather / Dairy
- Cocoa
- Coffee
- Palm Oil
- Soy

Fieldset : MDLZ US Equity ESGD ALL /S
UXLGPIXC71QPH62FAERMG7YA<GO>

MDLZ US Equity

Chart

Table

Suppliers

Overview

Geo-Exposure

ESG

Commodities

↑ 1M

	Change	Change	Change	Exposure Source	Date	Suppliers	
Cheese »	--	--	--	10-K	02/03/23	7 »	Kraft Heinz Co/The
Cocoa »	4.94%	10.43%	65.52%	10-K	02/03/23	9 »	Kraft Heinz Co/The
Coffee »	9.73%	2.66%	-7.58%	10-K	02/20/15	8 »	Kraft Heinz Co/The
Corrugated Packaging »	0.00%	0.00%	-10.43%	10-K	03/03/14	16 »	Kraft Heinz Co/The
Fuel Oil »	--	--	--	10-K	02/03/23	37 »	Kraft Heinz Co/The
Grain »	--	--	--	10-K	02/03/23	8 »	--
Maize »	-1.91%	-13.40%	-31.58%	10-K	02/04/22	12 »	Kraft Heinz Co/The
Milk »	2.94%	-7.13%	-10.75%	10-K	02/04/22	9 »	Kraft Heinz Co/The
Natural Gas »	0.49%	-9.42%	-43.87%	10-K	02/03/23	38 »	Kraft Heinz Co/The
Nut »	--	--	--	10-K	02/03/23	6 »	Kraft Heinz Co/The
Palm »	--	--	--	10-K	02/05/21	3 »	Premier Foods PLC
Polyethylene »	-4.61%	-0.69%	--	10-K	02/04/22	29 »	Kraft Heinz Co/The
RBD Palm Oil »	-2.31%	-7.34%	--	10-K	02/04/22	6 »	Dongsuh Cos Inc
Resin »	--	--	--	10-K	03/03/14	10 »	Kraft Heinz Co/The
Salt »	--	--	--	10-K	02/04/22	6 »	Ecolab Inc
Soybean »	-0.61%	8.79%	-3.30%	10-K	02/04/22	7 »	Kraft Heinz Co/The
Sugar »	0.76%	9.53%	50.21%	10-K	02/03/23	13 »	Kraft Heinz Co/The
Water »	--	--	--	10-K	02/04/22	37 »	Kraft Heinz Co/The

Raw Materials and Packaging

We purchase and use large quantities of commodities, including cocoa, dairy, wheat, edible oils, sugar and other sweeteners, flavoring agents and nuts. In addition, we purchase and use significant quantities of packaging materials to package our products and natural gas, fuels and electricity for our factories and warehouses. We monitor worldwide supply, commodity cost and currency trends so we can sustainably and cost-effectively secure ingredients, packaging and fuel required for production.

Companies with segmental revenue will use this data

Result

100 % of revenue from forest risk commodities

100 % of revenue from palm oil

Biodiversity

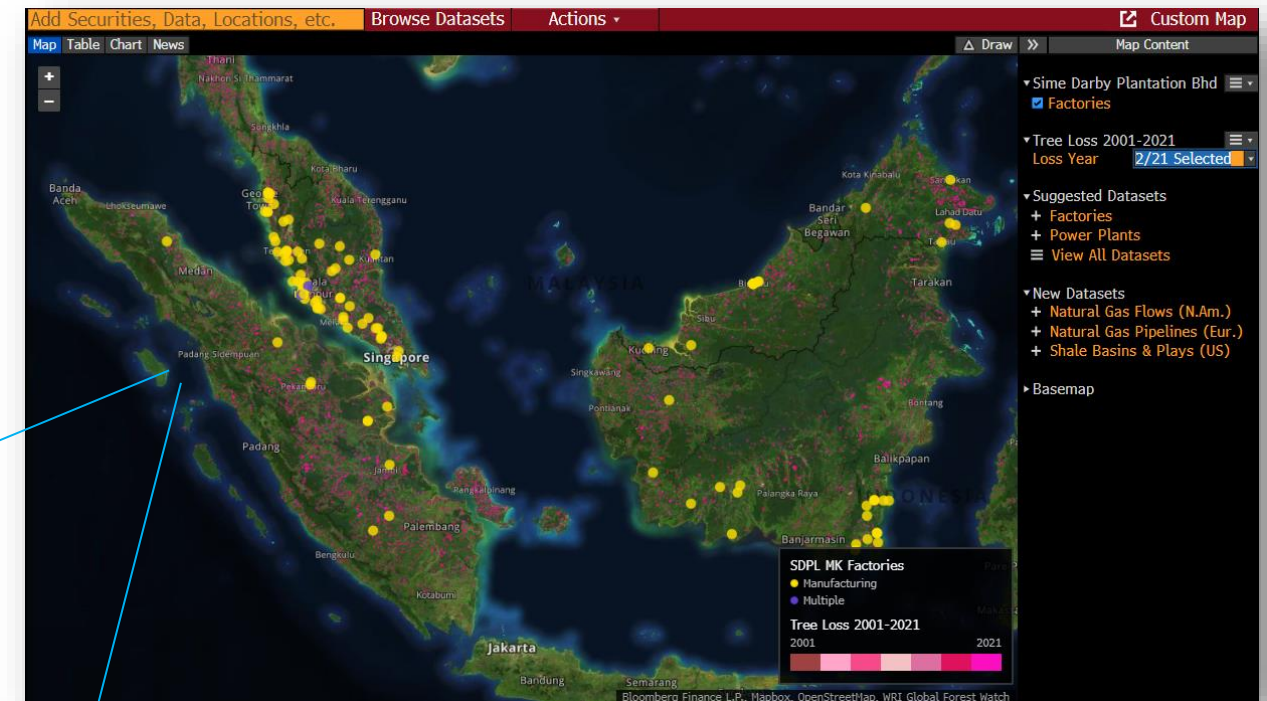
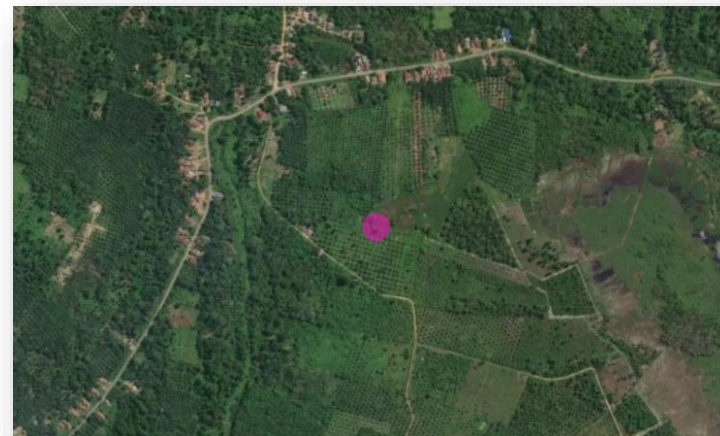
How to measure the impact of a company on its surroundings

Climate and Nature

Portfolio exposure to deforestation risk via supply chain

Bloomberg's Approach to Biodiversity

- ❑ Understand the segments in which a company operates
- ❑ Identify whether the company operates in locations of high impact or dependency risks
- ❑ Reference supply chain & commodity exposure data to understand the flow of commodities which drive nature loss
- ❑ Capture data reported by companies on their nature-related disclosures
- ❑ Develop a company overview

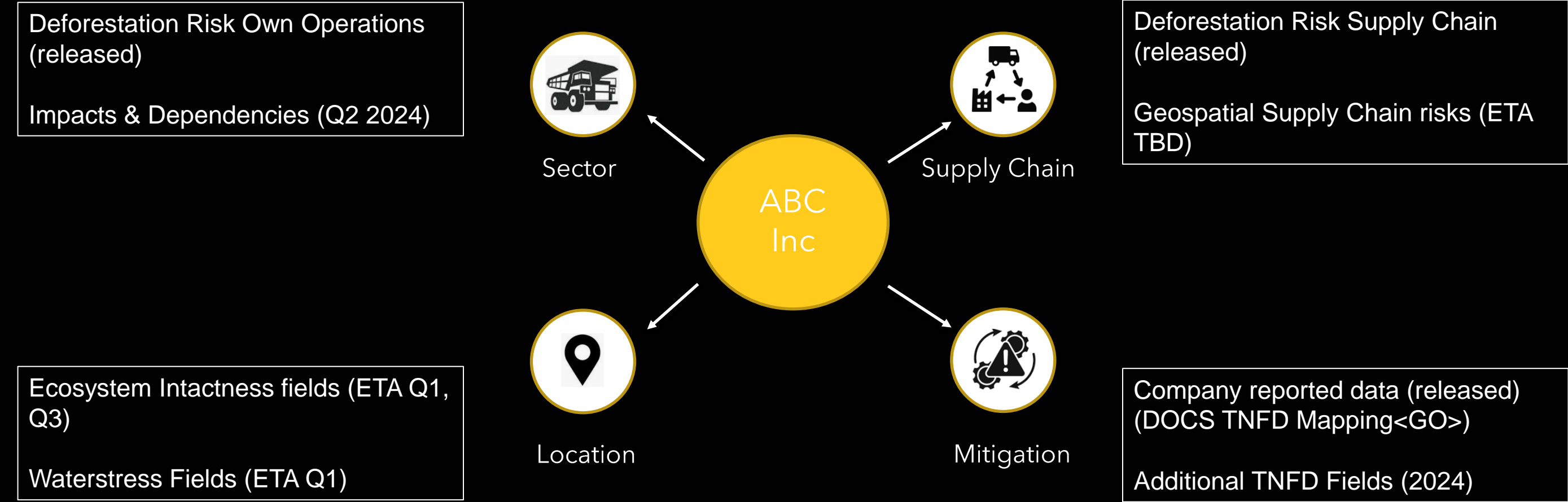


Intactness measures how intact an ecosystem is in comparison to its pristine state, with 100% indicating a pristine ecosystem, 50% would indicate abundance and diversity of half the pristine state.

We will surface

- ✓ Flag companies with assets in proximity to highly intact areas
- ✓ Flag companies with assets in areas inside highly intact areas
- ✓ Flag companies with assets in areas of rapidly decreasing intactness

How does this fit into broader Biodiversity Product?



Supply Chain Climate Risk Exposure

GHG

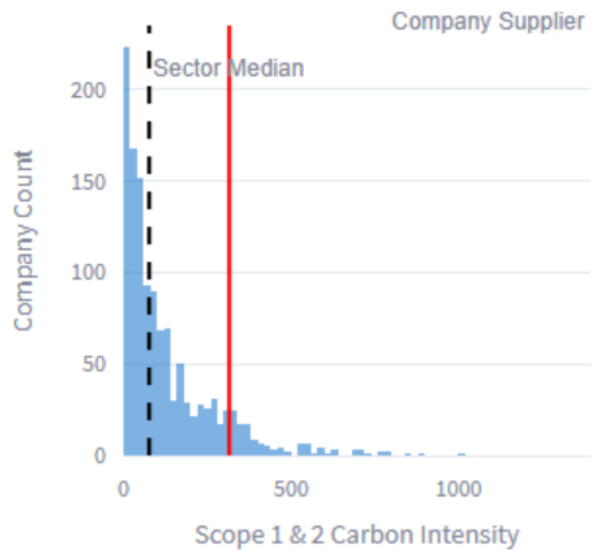
Select a Company

Caterpillar Inc

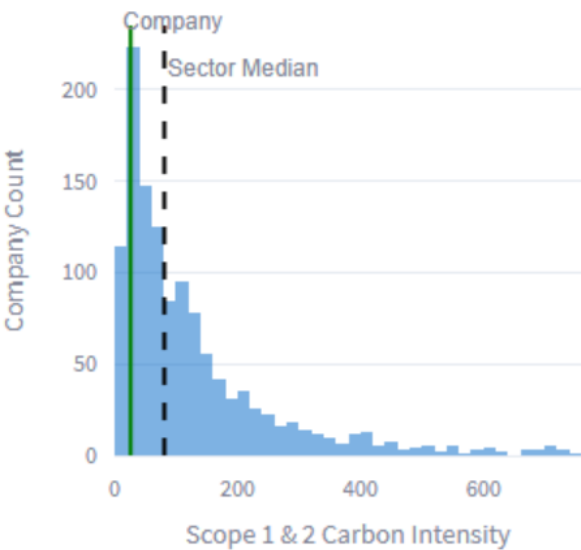
Carbon Intensity for Company and its Supply Chain

Company Supplier (Customer) Side Scope 1 & 2 Carbon Intensity is calculated as average supplier (customer) companies Scope 1 & 2 carbon intensity weighted by relationship percentage between company with its suppliers (customers).

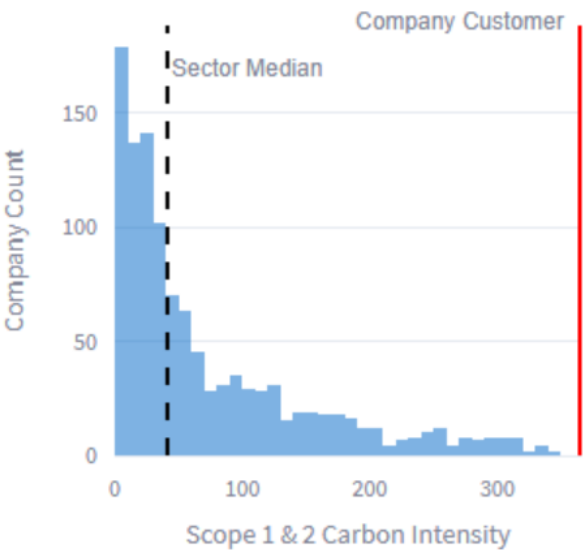
Supplier Side



Company



Customer Side



Combining Fund & ETF Holdings and Supply Chain data

Combining Fund & ETF Holdings with Supply Chain data allows to uncover indirect risk exposures of a fund for a 360 understanding of positions.

This page allows you to measure various risks and exposure based on the suppliers and customers of a Fund holdings in 3 sections:

- Risk Breakdown section:** shows top contributors to Credit risk, Centrality risk, Sanction risk and Climate risk for either Suppliers or Customers.
- Sector Exposure section:** shows sector exposure of a Fund with or without looking at Suppliers/Customers to measure indirect sector exposure.
- Geographic Exposure section:** shows geographic exposure of a Fund with or without looking at Suppliers/Customers to measure indirect sector exposure.

Supply Chain - Fund Analysis

Select a Fund:

Ringturm - RT OESTERREICH AKTIENFONDS

Select a Perspective:

- ☒ Holdings' Suppliers
- ☐ Holdings' Customers

- Risk Breakdown
- Sector Exposure
- Geographic Exposure

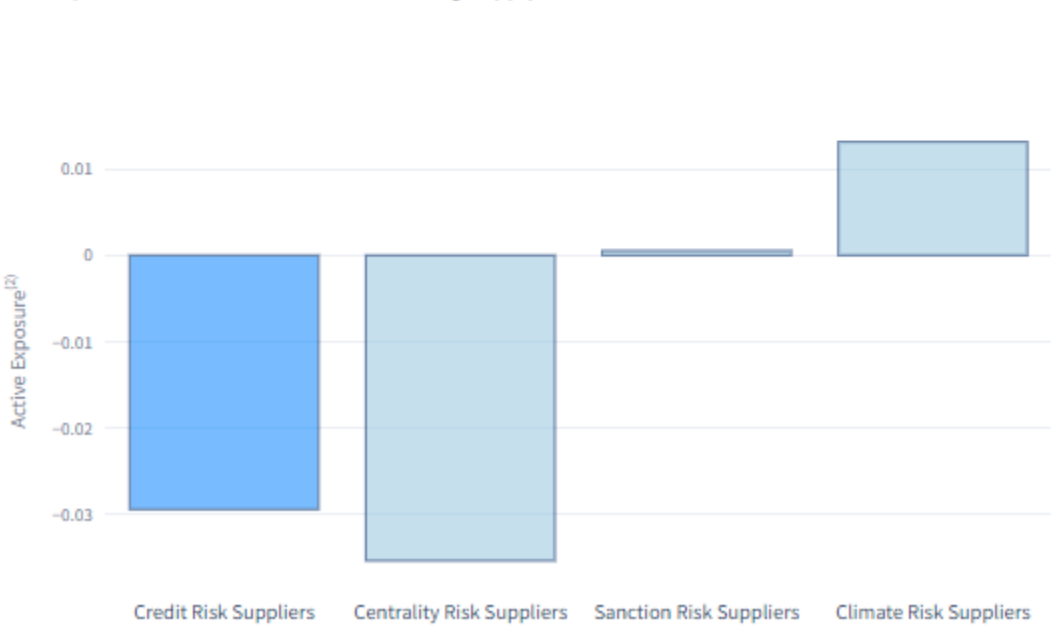
Choose a focus of risk

- ☒ Credit
- ☐ Centrality
- ☐ Sanction
- ☐ Climate

Ticker: RTOSTAA AV Equity

RT OESTERREICH AKTIENFONDS is an open-end fund incorporated in Austria. It is an equity fund geared towards long-term capital appreciation that invests solely in Austrian equities. Although the fund is oriented towards a benchmark (ATX Prime Index), the composition of the fund can at times deviate significantly from the index. The fund management pursues a top-down investment approach.

Risk Exposure of the Fund vs Market ⁽¹⁾, using Supply Chain data



Bloomberg LP Climate Change

This product includes fields that can be used to assess the exposure of companies to climate related risk.

Bloomberg LP Supply Chain

Provides access to as reported and Bloomberg estimated customer and supplier relationships for companies globally.

Bloomberg LP Facilities

Global geolocation data for company manufacturing, distribution, R&D and sales facilities including datapoints like facility type and manufactured products.

Bloomberg LP Sanctions

Sanctions data for entities and securities covering US, EU, UK, Switzerland, UN, HK, Japan, Canada, Australia and Singapore including funds and index exposures

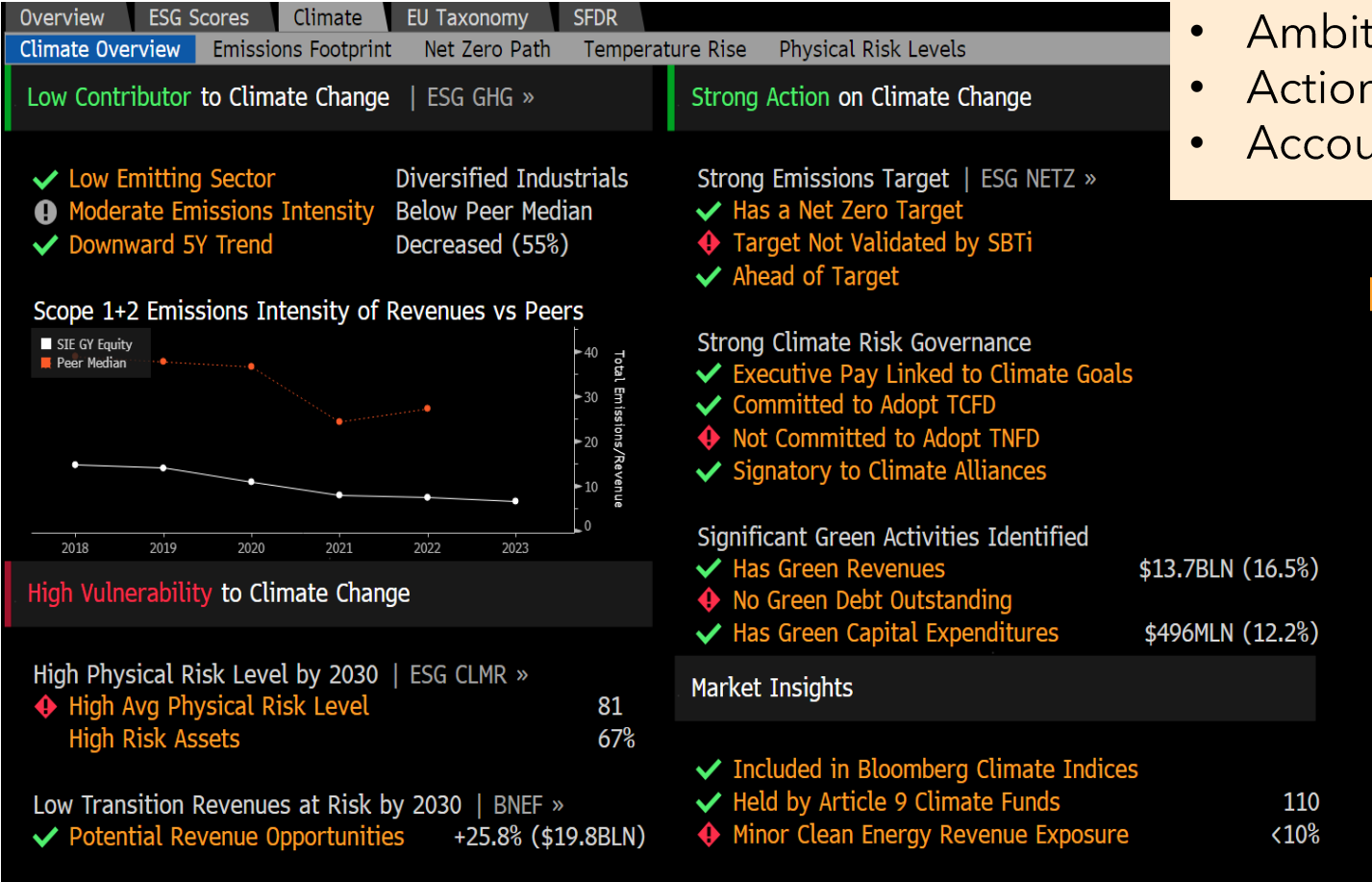
Bloomberg LP Default Risk

Daily credit risk indicators from the Default Risk (DRSK) and Market Implied Probability of Default (MIPD) engines including implied CDS spreads and recovery rates.

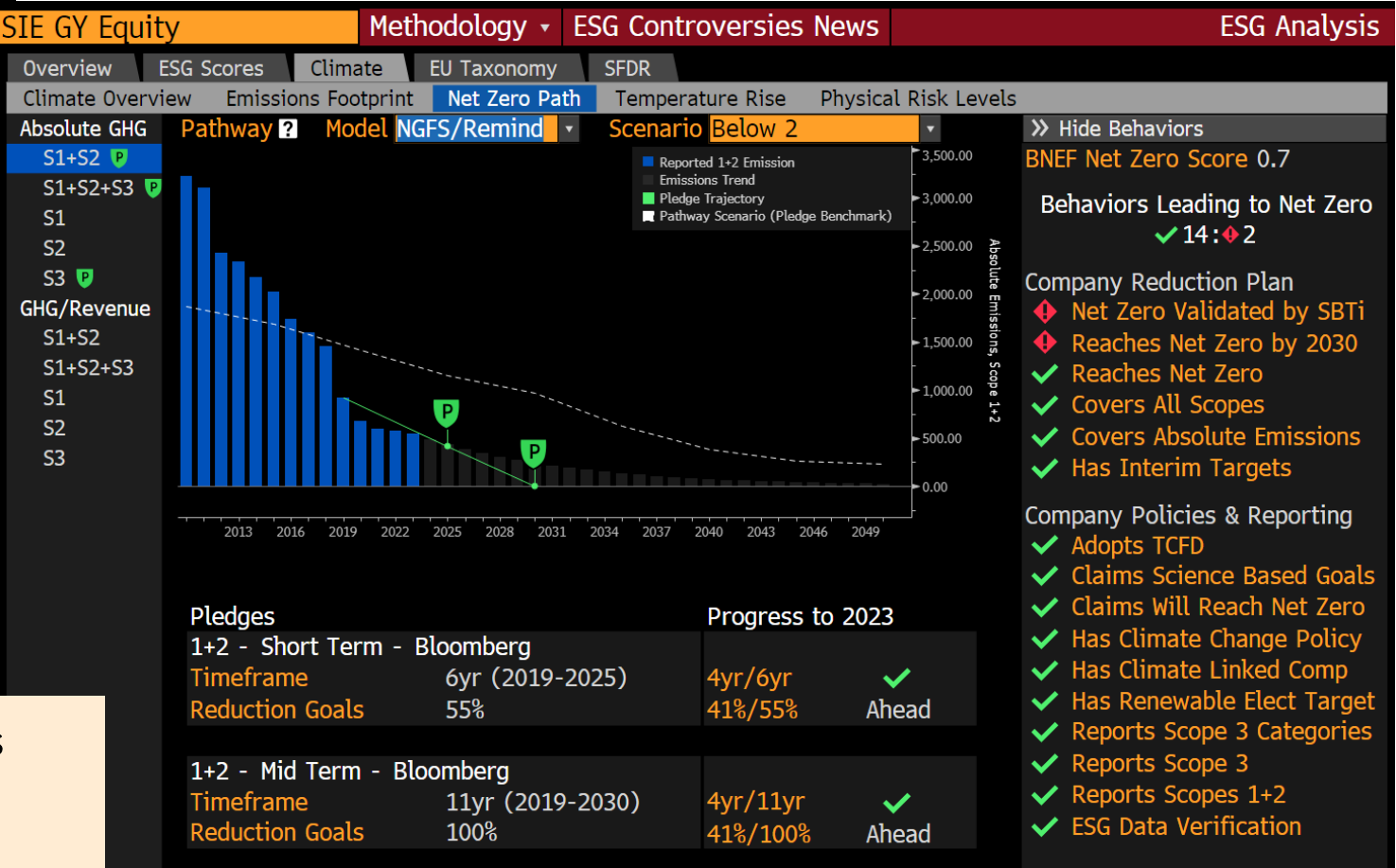
Net Zero Credibility Assessment and Pathways

Credibility driven by:

- Ambition
- Actions
- Accountability



- Net zero pathways different scenarios
- Bloomberg Net Zero commitment 8K companies
- Forward looking GHG
- Distance metrics



Financial Materiality – ESG Score

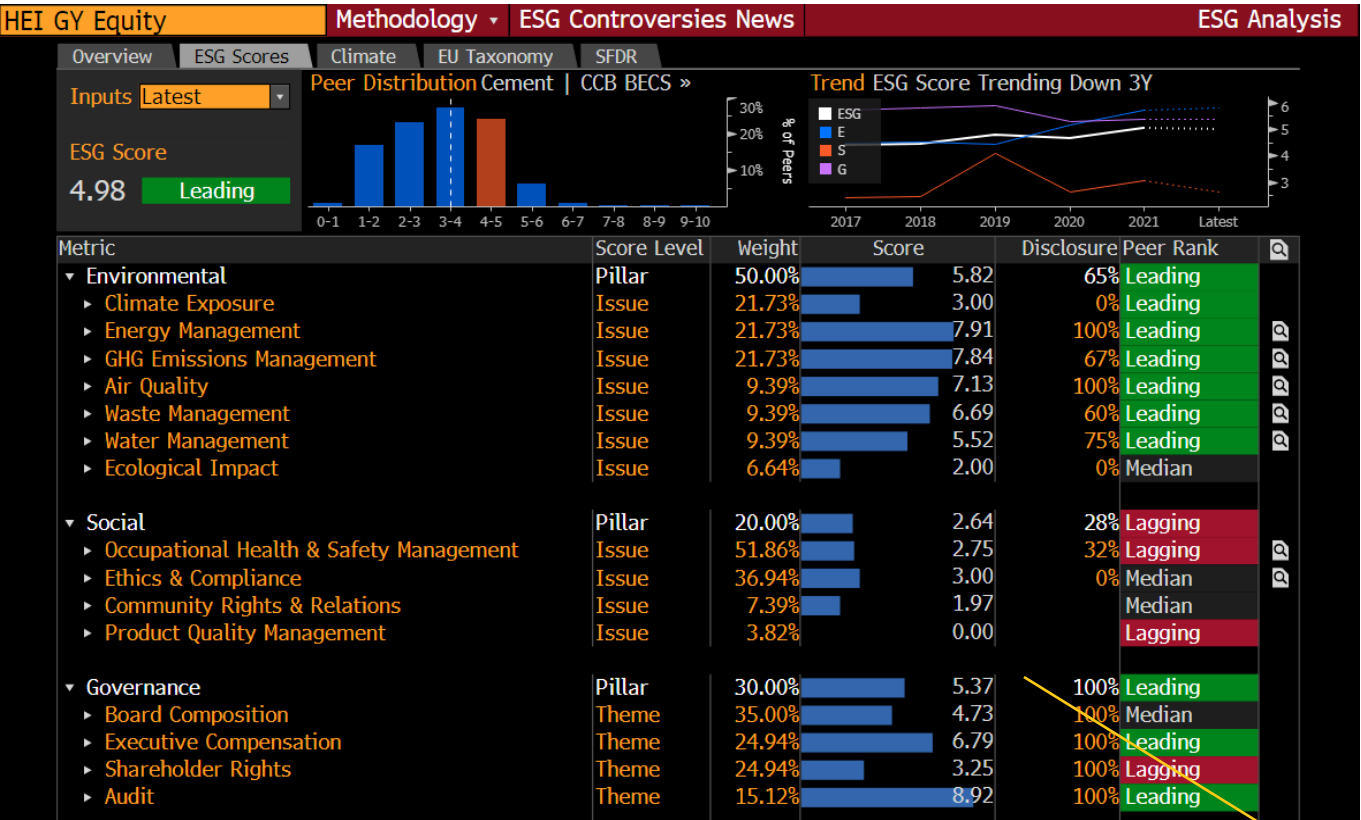
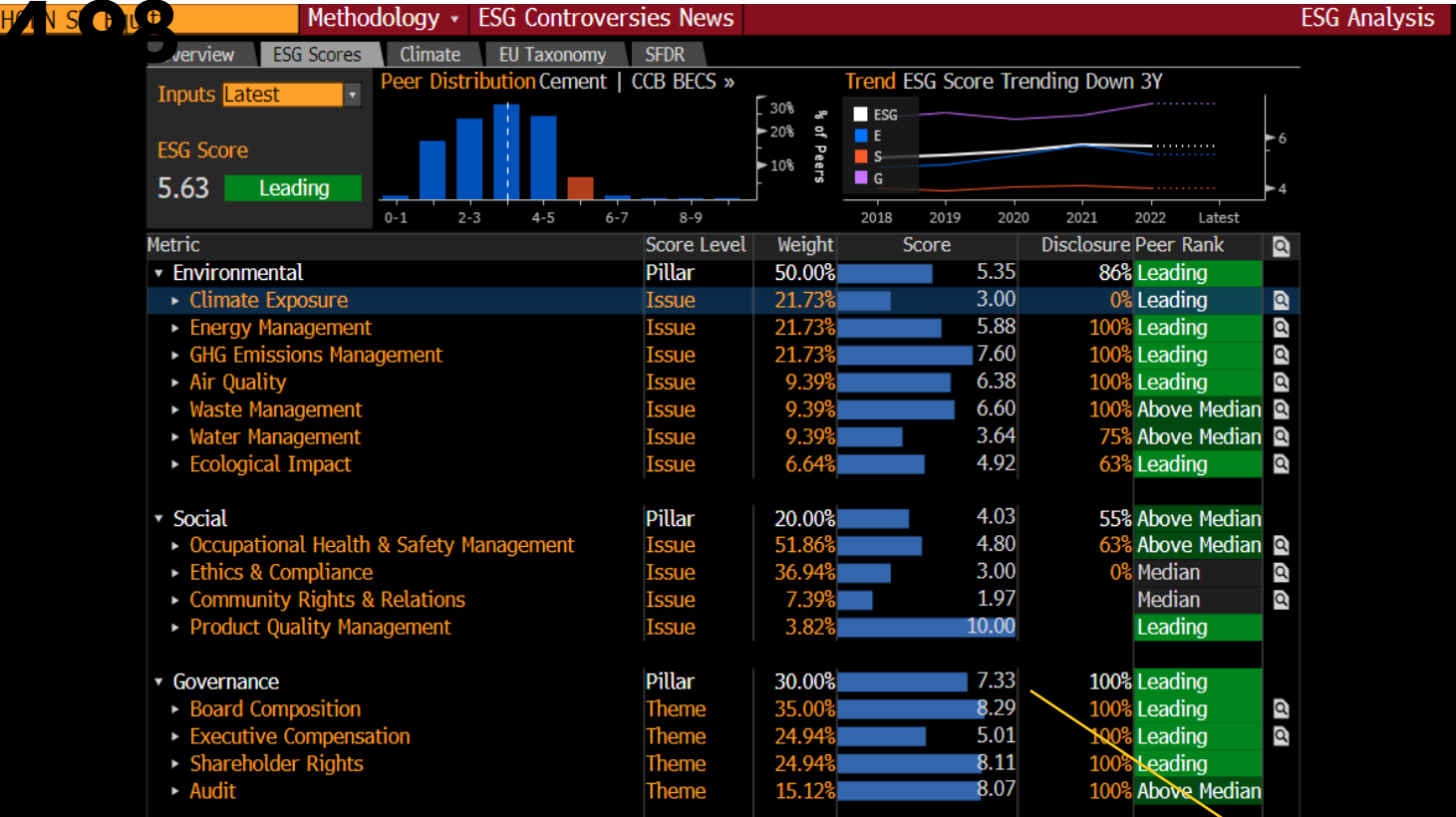
Overall ESG Score Aggregation

The Overall ESG score evaluates a company's aggregated ESG performance, across E, S and G Pillars. The score is based on Bloomberg's view of ESG financial materiality.

For each peer group, Pillar weights are determined by Bloomberg Intelligence fundamental research. The relative importance—from the point of view of financial materiality—of each of the three Pillars is specified by assigning them a "rank" on a 1-5 scale, with 1 reflecting the highest importance. G is ranked 3 for all peer groups, as company and region-specific factors can be more significant drivers of governance than industry factors. Rankings are translated into percentage weights. Aggregation of Pillars into the ESG score uses a weighted generalized or power/p-mean.

Examples of pillar weighting by peer group		Importance (1 = highest)			Weight		
Sector	Peer Group	E	S	G	E	S	G
Communications	Advertising and Media Content	4	1	3	20.0%	50.0%	30.0%
Consumer Discretionary	Automobiles	1	3	3	45.5%	27.3%	27.3%
Financials	Diversified Banks	3	1	3	27.3%	45.5%	27.3%
Materials	Iron & Base Metals	1	2	3	41.7%	33.3%	25.0%
Oil & Gas	Exploration & Production	1	3	3	45.5%	27.3%	27.3%

Financial Materiality ESG Score Holcin v Heidelberg 5.63 v



▼ Governance	Pillar	30.00%	7.33
▼ Board Composition	Theme	35.00%	8.29
▼ Director Roles	Issue	25.00%	6.87
▼ Board Roles	Sub-issue		4.17
▶ Average Number of Public Company Boards	Field		3.59
▶ Highest Number of Boards Any Director Se...	Field		2.96
▼ Pct Executive Directors on 2 or More Boar...	Field		10.00
2022 Percentage of Executive Directors ...	Input Data		0.00

▼ Governance	Pillar	30.00%	5.37
▼ Board Composition	Theme	35.00%	4.73
▼ Director Roles	Issue	25.00%	4.12
▼ Board Roles	Sub-issue		6.04
▶ Average Number of Public Company Boards	Field		8.18
▶ Highest Number of Boards Any Director Se...	Field		5.00
▼ Pct Executive Directors on 2 or More Boar...	Field		--

Energy Diversity Risk : Supply type, Supply chain & Supply location of the energy

Ticker	Cntry Terrtry Of Rsk	T G 3 & I Y E N A T R	Number of Employees	Clmt Rsk Phys Lvl	Clmt Rsk Phys Cat	Tot GHG / CO2 Emiss Intens / Sl	SFDR PAI Cbn Ftprmt Percentle	Energy Consump	NatGas Used	Oil/Dies Used	Elec Used	Renew Energy	Self Gen Renew Elec	ESG Scr Percentle
▼ Materials (6)														
AIR LIQUIDE SA	d FR	A C 1	67,100	82.00	High Risk	1,280.484	54.40	75,927	3,300,490	0	42,994	7,509	0	83.60
AMAG AUSTRIA MET	d AT	A M 1	2,214	55.00	Moderate Risk	86.002	38.20	711			241	241		99.50
BASF SE	d DE	E C -	111,481	83.00	High Risk	230.318	83.70	53,883	3,664	82	11,619	2,328	4	95.40
LENZING AG	d AT	L C -	8,301	74.00	Moderate Risk	590.648	48.60	9,666	136,991	12	550	5,623	8	94.30
MAYR-MELNHOF KAR	d AT	M C -	15,640	78.00	Moderate Risk	366.582	76.70	10,155	317,566	23	3,471	4,397	1,031	56.40
VOESTALPINE AG	d AT	V M 1	51,202	80.00	High Risk	732.682	82.40	36,900	621,647	4	1,460	883	99	62.80

c&en
CHEMICAL & ENGINEERING NEWS

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FINANCE

BASF is cutting back at its main site in Germany

The company says high energy prices are forcing it to shut plants at its Ludwigshafen complex

by [Alexander H. Tullo](#)

February 27, 2023

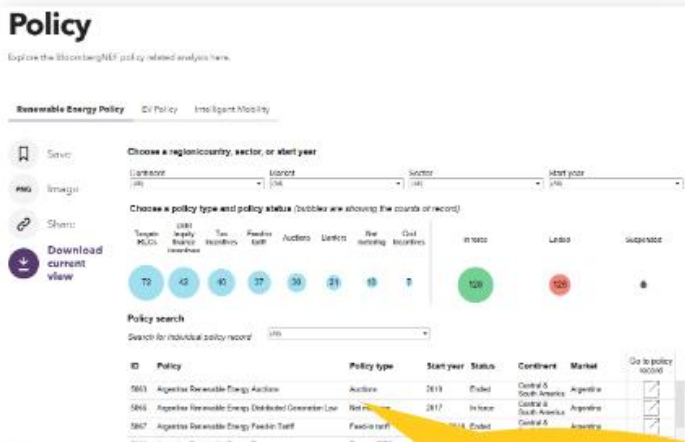


Bloomberg NEF – BNEF Research



Derive Insights from BNEF

Sustainable Finance Market Outlook BNEF<GO>
Sustainable Finance Research
Semi-annual assessment of green, social and sustainability bonds, green loans and sustainability-linked bonds and loans.
How to meet the changing landscape of disclosures – and who is getting it right...



Help me keep up to dates with Key Global Policies

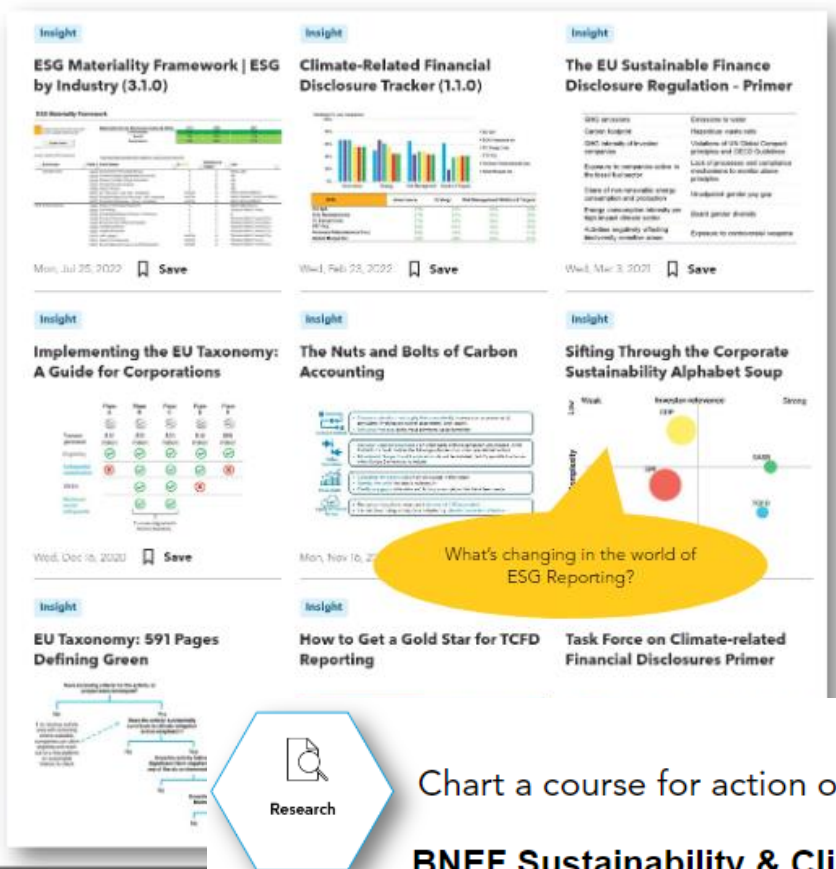


Chart a course for action on energy finance – BNEF <GO>
BNEF Sustainability & Climate Research

BNEF helps strategy professionals consider long-term environmental and climate-oriented risks and opportunities

BNEF tools, research and analysis enable decision makers to develop effective strategies that leverage sectoral transitions

BNEF research identify innovative technologies and the economic benefits of adoptions

Identifying climate action

Corporate sustainability

- NET ZERO**
 - Net zero assessment tool
 - Assessing the quality of net-zero goals
 - 1000 biggest companies in most polluting industries (expanding)
 - Science-based targets data tool
 - SBTi targets mapped and visualized
 - ~2000 companies (and counting)
- CARBON OFFSETS**
 - Long-term carbon offsets outlook
 - 2050 scenarios: price, demand, supply forecasts
 - Offset market data viewer
 - Over 6,000 offset projects
 - Buyer profiles
- CLEAN POWER**
 - Market outlook: tracking volumes & policy
 - Power purchase agreement database
 - >100GW of clean energy procurement projects ranking buyers & developers
 - Corporate PPA price survey
 - RE100 targets data tool
 - Clean electricity forecasts for 400 companies

Climate Risk

- CLIMATE SCENARIOS**
 - New Energy Outlook (NEO)
 - Long-term climate scenarios for the global economy incl. net-zero by 2050
 - Long-term Electric Vehicle Outlook (EVO)
 - Road vehicle transition and impact on fuels
 - Transition Metals Outlook (TMO)
 - Impact of net-zero on metals and mining
- TRANSITION REVENUE AT RISK**
 - Transition Risk Assessment Company Tool
 - 2050 revenue projections, 4 scenarios
 - 5000 companies in most-affected industries (Roadmap includes expanding to 40,000)
 - Equity-portfolio analysis: TRACT Portfolio

Sustainable Finance

- REGULATION**
 - Sustainable finance policy database
 - Trends and policy outlook for G20 + key markets
 - Timeline, target entities, impact
 - Policy commentary
 - Monthly take on major policy developments
 - Policy primers
 - Deep dive on key policies and announcements
- SUSTAINABLE DEBT**
 - Market outlook tracking developments & growth
 - Sustainable debt tool visualize & slice market data
 - Sustainability linkage data tool by ESG metrics
 - Decarbonization alignment
 - Benchmarking KPI design and impact reporting
 - Assessing use of proceeds alignment with climate scenarios
- FINANCIAL INSTITUTION TRANSITION**
 - Clean : fossil fuel investment ratio benchmark
 - Energy Supply Banking Ratio
 - Deal facilitation data on ~1,200 banks
 - Clean energy & fossil debt, equity & project finance
 - Asset Manager Investment Ratio
 - Under construction

Sustainability Indicators track key trends monthly

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