

# Environmental & Social Scores

Assess sustainability performance with transparent, data-driven scores.

Environmental and social data can provide meaningful detail and key performance indicators to describe company sustainability performance. However, it can be difficult to distill the hundreds of sustainability metrics that companies disclose into actionable insights. It is also challenging to compare companies using single data points since environmental and social disclosures are not standardized and vary widely.

Bloomberg's Environmental and Social (ES) Scores provide a data-driven measure of corporate environmental and social performance that investors can use to quickly evaluate performance across a range of key issues, such as climate change, and health and safety. ES Scores can also be used to compare company sustainability performance within their BICS peer industry.

Currently, ES Scores are available for the Oil & Gas, Chemicals, Metals & Mining, Steel, Construction Materials, Coal and Utilities industries. Bloomberg ES Scores for additional industries will be released sequentially according to Bloomberg Industry Classification Standard (BICS) industry groups. Visit [BESG <GO>](#) for regular updates and more detail on the scored companies of each industry.

## Transparent and comparable

Bloomberg's ES Scores are fully transparent, showing the connection between each score and the company-reported data driving it. The ES Scores methodology, available on [BESG <GO>](#), provides details on overall approach, industry-specific drivers, quantitative methods and all model inputs.

Bloomberg's proprietary quant model is informed by frameworks, research and analysis to reduce noise, normalize data, address size bias, identify peer groups and aggregate from fields to top level scores. The quantitative analysis also distinguishes between sustainability performance and disclosure performance to penalize gaps and incentivize transparent disclosure.

## Key features

- **Transparent scoring** – Investors can view and analyze all the data driving each ES Score, making the scores useful for a wide range of analyses and reporting.
- **Industry-specific context** – Industry analysts from Bloomberg's research organizations participate in industry scoring and validation to incorporate practical, industry-specific context into ES Scores. The BICS provides clarity and consistency to the scores' peer groups and guides selection of material data fields.
- **Decision-useful** – Each ES Score is driven by financially material and business-relevant issues. Priority issues are labeled to illustrate which topics are most and least relevant to assessing sustainability performance.
- **Scoring taxonomy** – For each score, data fields are organized into a clear hierarchy of issues and sub-issues so that users know which ES data fields best describe which risks and opportunities.

## Coming soon

In early 2021, we will be integrating new Bloomberg ES Scores fields across a wide range of Bloomberg Terminal® functions, including our equity screening tools, research management and portfolio solutions. In addition to availability in API, we also plan to offer ES Scores data for enterprise use via Bloomberg Data License.

### Identify best and worst performers

Rank companies by Environmental & Social Scores and issue scores on the Bloomberg Intelligence ESG Dashboard (BI ESG <GO>).

| Security Name                  | Pillar        | Value Type   | 2019 | 2018 | 2017 | 2016 | 2015 |
|--------------------------------|---------------|--------------|------|------|------|------|------|
| Orbia Advance Corp SAB de CV   | Environmental | Pillar Score | 7.27 | 6.73 | 6.73 | 5.94 | 5.88 |
| BASF SE                        | Environmental | Pillar Score | 6.82 | 6.95 | 6.92 | 6.63 | 6.73 |
| DuPont de Nemours Inc          | Environmental | Pillar Score | 6.41 | 1.42 | 4.12 | 0.00 | 0.00 |
| PTT Global Chemical PCL        | Environmental | Pillar Score | 6.37 | 6.18 | 5.94 | 5.50 | 6.50 |
| Huntsman Corp                  | Environmental | Pillar Score | 6.23 | 4.93 | 5.25 | 3.65 | 4.51 |
| KCC Corp                       | Environmental | Pillar Score | 6.21 | 5.60 | 5.60 | 5.39 | 5.62 |
| Evonik Industries AG           | Environmental | Pillar Score | 6.14 | 6.03 | 6.02 | 5.24 | 5.13 |
| Indorama Ventures PCL          | Environmental | Pillar Score | 6.07 | 6.26 | 5.94 | 5.61 | 6.18 |
| LG Chem Ltd                    | Environmental | Pillar Score | 5.97 | 5.10 | 5.76 | 5.22 | 5.50 |
| LANXESS AG                     | Environmental | Pillar Score | 5.89 | 4.69 | 4.55 | 4.57 | 4.63 |
| Mitsui Chemicals Inc           | Environmental | Pillar Score | 5.79 | 4.21 | 3.66 | 3.17 | 3.24 |
| Covestro AG                    | Environmental | Pillar Score | 5.67 | 5.78 | 5.62 | 5.41 | 5.17 |
| Arkema SA                      | Environmental | Pillar Score | 5.61 | 5.69 | 5.42 | 4.99 | 4.92 |
| Kraton Corp                    | Environmental | Pillar Score | 5.43 | 5.83 | 5.68 | 5.31 | 2.73 |
| Celanese Corp                  | Environmental | Pillar Score | 5.38 | 5.79 | 5.26 | 4.02 | 0.73 |
| Solvay SA                      | Environmental | Pillar Score | 5.01 | 5.15 | 4.98 | 4.78 | 4.33 |
| Methanex Corp                  | Environmental | Pillar Score | 4.88 | 5.10 | 4.77 | 4.41 | 4.50 |
| Alpek SAB de CV                | Environmental | Pillar Score | 4.62 | 5.03 | 4.59 | 3.84 | 4.21 |
| Sinopec Shanghai Petrochemical | Environmental | Pillar Score | 4.44 | 4.58 | 4.16 | 3.87 | 3.81 |
| Linde PLC                      | Environmental | Pillar Score | 4.38 | 6.42 |      |      |      |

**Note**  
Data for a given year represents what appears in company disclosures as linked to a given year's activities, i.e. 2019 ES Scores use company-reported data for 2019 operations. The lag in data relative to the current year reflects the lagged calendar for corporate sustainability reporting.

BI ESG <GO> – To view ES scores, open the BI ESG Dashboard and select BBG Scores from the Data Library.

### Keep track of material sustainability disclosures

Access and analyze the Pillars, Issues, Sub-issues and Data Fields that contribute to each ES Score using the ESG Materiality Framework tool at BESG <GO>, under ESG Data.

| Materiality-driven Disclosure Score (0-100%) | 2015 | 2016 | 2017 | 2018 | 2019 |
|--|------|------|------|------|------|
| Environment                                  | 25%  | 22%  | 22%  | 22%  | 0%   |
| Social                                       | 10%  | 14%  | 14%  | 14%  | 0%   |
| Governance - Board Composition               | 82%  | 82%  | 82%  | 82%  | 82%  |

  

| Pillar      | BI Issue   | ESG Issue                                       | Sub-Issue       | Field             | Field Name   | In %      | BBG ESG Score | Disclosure Factor   | Unit      | Disclosure Frequency | 2015      | 2016      | 2017      | 2018      | 2019      |
|-------------|--|---|-----------------|-------------------|--|-----------|---------------|---------------------|-----------|----------------------|-----------|-----------|-----------|-----------|-----------|
| Environment | 1  | Climate Exposure                                | Transition Risk | SA079             | Investment in Sustainable Products                 | Y         | A             | Million Reporting C | FYE       | #N/A #N/A            | #N/A #N/A | #N/A #N/A | #N/A #N/A | #N/A #N/A | #N/A #N/A |
|             |  |   |                 | ES105             | Climate Change Opportunities Discussed             | Y         | P             | Y/N                 | FYE       | N                    | N         | N         | N         | N         | N         |
|             |  |   |                 | ES106             | Risks of Climate Change Discussed                  | Y         | P             | Y/N                 | FYE       | Y                    | Y         | Y         | Y         | Y         | Y         |
| 1           | GHG Emissions Management                           | GHG Emissions                                   |                 | SA083             | Climate Scenario Analysis                          | Y         | P             | Y/N                 | FYE       | N                    | N         | N         | N         | N         | #N/A #N/A |
|             |  |   |                 | SA084             | Carbon Pricing                                     | Y         | P             | Y/N                 | FYE       | Y                    | Y         | Y         | Y         | Y         | #N/A #N/A |
|             |  |   |                 | F0947             | Scope 1 GHG CO2 Emissions*                         | Y         | A             | Million Metric Tons | FYE       | 8.59                 | 8.86      | 8.15      | 3.41      | #N/A #N/A |           |
|             |  |   |                 | ES027             | Gas Flaring (Th Tonnes)                            | Y         | A             | Thousand Metric T   | FYE       | 503.24               | 598.69    | 626.18    | 800.00    | #N/A #N/A |           |
|             |  |   |                 | SA055             | Percent Methane of Scope 1 Emissions*              | Y         | A             | %                   | FYE       | 33.58                | 33.52     | 27.64     | 15.54     | #N/A #N/A |           |
|             |  |   |                 | SA058             | Process Emissions                                  | Y         | A             | Thousand Metric T   | FYE       | 460.00               | #N/A #N/A | #N/A #N/A | #N/A #N/A | #N/A #N/A |           |
|             |  |   |                 | SA059             | Emissions from Other Combustion                    | Y         | A             | Thousand Metric T   | FYE       | 3120.00              | 3430.00   | 2890.50   | 2050.00   | #N/A #N/A |           |
|             |  |   |                 | SA080             | Vented Emissions                                   | Y         | A             | Thousand Metric T   | FYE       | 410.00               | 343.00    | 307.50    | 460.00    | #N/A #N/A |           |
|             |  |   |                 | SA081             | Fugitive Emissions                                 | Y         | A             | Thousand Metric T   | FYE       | 1040.00              | 1097.50   | 922.50    | 100.00    | #N/A #N/A |           |
|             |  |   |                 | SA161             | GHG Emissions Reduction Policy                     | Y         | P             | Y/N                 | FYE       | Y                    | Y         | Y         | Y         | Y         |           |
|             |  |   |                 | ES036             | Emissions Reduction Initiatives                    | WATCH     | P             | Y/N                 | FYE       | Y                    | Y         | Y         | Y         | Y         |           |
|             |  |   |                 | ES222             | Carbon Dioxide Allowances Million MT Under EU ETS  | WATCH     | W             | Million Metric Tons | FYE       | 0.55                 | #N/A #N/A | #N/A #N/A | #N/A #N/A | #N/A #N/A |           |
|             |  |   |                 | ES221             | CO2 Emissions Less Allowances Mill MT Under EU ETS | WATCH     | W             | Million Metric Tons | FYE       | #N/A #N/A            | #N/A #N/A | #N/A #N/A | #N/A #N/A | #N/A #N/A |           |
|             |  |   |                 | ES228             | Carbon Dioxide Emissions Million MT under EU ETS   | WATCH     | W             | Million Metric Tons | FYE       | #N/A #N/A            | #N/A #N/A | #N/A #N/A | #N/A #N/A | #N/A #N/A |           |
|             |  |   |                 | SA001             | GHG Covered Reg Other EU ETS                       | WATCH     | W             | Thousand Metric T   | FYE       | #N/A #N/A            | #N/A #N/A | #N/A #N/A | #N/A #N/A | #N/A #N/A |           |
| SA002       | Total GHG Emissions Covered under Regulatory Prog  | WATCH   | W               | Thousand Metric T | FYE  | #N/A #N/A | #N/A #N/A     | #N/A #N/A           | #N/A #N/A | #N/A #N/A            |           |           |           |           |           |
| SA003       | Per GHG Emissions Covered under Regulatory Prog*   | WATCH   | W               | %                 | FYE  | #N/A #N/A | #N/A #N/A     | #N/A #N/A           | #N/A #N/A | #N/A #N/A            |           |           |           |           |           |
| GHG Target  | SA004  | Baseline Year for GHG Emissions Target          | WATCH           | W                 | Year   | FYE       | #N/A #N/A     | #N/A #N/A           | #N/A #N/A | #N/A #N/A            | #N/A #N/A |           |           |           |           |
|             | SA005  | Target Year for GHG Emissions Target            | WATCH           | W                 | Year   | FYE       | #N/A #N/A     | #N/A #N/A           | #N/A #N/A | #N/A #N/A            | #N/A #N/A |           |           |           |           |
|             | SA006  | GHG Emissions Intensity Reduction Target        | WATCH           | W                 | %  | FYE       | #N/A #N/A     | #N/A #N/A           | #N/A #N/A | #N/A #N/A            | #N/A #N/A |           |           |           |           |
|             | SA129  | GHG Emissions Reduction Target - Absolute       | WATCH           | W                 | %  | FYE       | #N/A #N/A     | #N/A #N/A           | #N/A #N/A | #N/A #N/A            | #N/A #N/A |           |           |           |           |
|             | SA130  | GHG Emissions Absolute Reduction Target         | WATCH           | W                 | Thousand Metric T                                  | FYE       | #N/A #N/A     | #N/A #N/A           | #N/A #N/A | #N/A #N/A            | #N/A #N/A |           |           |           |           |
|             | SA189  | Percent GHG Emissions Reduct Achieved Aga Targe | WATCH           | W                 | %  | FYE       | #N/A #N/A     | #N/A #N/A           | #N/A #N/A | #N/A #N/A            | #N/A #N/A |           |           |           |           |
|             | SA232  | Scope 1 GHG Target - Baseline Year              | WATCH           | W                 | Year   | FYE       | #N/A #N/A     | #N/A #N/A           | #N/A #N/A | #N/A #N/A            | #N/A #N/A |           |           |           |           |
|             | SA233  | Scope 1 GHG Target - Target Year                | WATCH           | W                 | Year   | FYE       | #N/A #N/A     | #N/A #N/A           | #N/A #N/A | #N/A #N/A            | #N/A #N/A |           |           |           |           |
|             | SA234  | Scope 1 Emissions Reduction Target - Intensity  | WATCH           | W                 | %  | FYE       | #N/A #N/A     | #N/A #N/A           | #N/A #N/A | #N/A #N/A            | #N/A #N/A |           |           |           |           |
|             | SA236  | Scope 1 Emissions Reduction Target - Absolute   | WATCH           | W                 | %  | FYE       | #N/A #N/A     | #N/A #N/A           | #N/A #N/A | #N/A #N/A            | #N/A #N/A |           |           |           |           |
| SA239       | Scope 1 Emissions Absolute Reduction Target        | WATCH   | W               | Thousand Metric T | FYE  | #N/A #N/A | #N/A #N/A     | #N/A #N/A           | #N/A #N/A | #N/A #N/A            |           |           |           |           |           |
| SA237       | Percent Reduction Achieved for Scope 1 Emissions F | WATCH   | W               | %                 | FYE  | #N/A #N/A | #N/A #N/A     | #N/A #N/A           | #N/A #N/A | #N/A #N/A            |           |           |           |           |           |

1. Run ESG data against a chosen company ticker
2. See how a company compares to industry peers on materiality-driven disclosure
3. View ES Score Issues, Sub-issues and Fields, as well as watch-listed fields we believe will be important for future scores as reporting improves

## Learn more

For more information about Bloomberg's ES Scores, contact your account representative.

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## Take the next step.

For additional information, press the <HELP> key twice on the Bloomberg Terminal®.

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