

THOMSON REUTERS DATASTREAM ASSET4 ESG CONTENT

In today's world of globalization and interdependence, and in times of financial crisis, issues such as climate change, biodiversity, human rights, "licence to operate", business ethics and corporate governance are at the forefront of public and political attention. In fact, they are heading the agendas of many country and supranational initiatives to drive tomorrow's policies and underpin economic development. Environmental, social and governance (ESG) issues are therefore becoming a more important part of investors' decision-making in the efforts to help identify the long-term opportunities and risks for companies.

Thomson Reuters Datastream now carries the full ASSET4 ESG database, offering users the possibility to combine and analyze ESG data along with the breadth of Datastream content, the world's leading economic and financial time series database.

Accessible via Microsoft Excel with export options to Word and PowerPoint, the data seamlessly integrates into the investment research and portfolio selection workflow, allowing analysts to better assess and visualize the material influence of ESG factors on corporate performance and risk.

WHY THOMSON REUTERS?

Most comprehensive ESG database

- 3,800+ global companies, including: MSCI World, MSCI Europe, STOXX 600, NASDAQ100, Russell 1000, FTSE250, ASX 300 and MSCI Emerging Market (Q4 2011).
- 750+ ESG data points covering every aspect of sustainability reporting.
- 280+ KPIs including a normalized score and the actual computed value.
- Minimum 4 years of history on most companies.

Quality of database

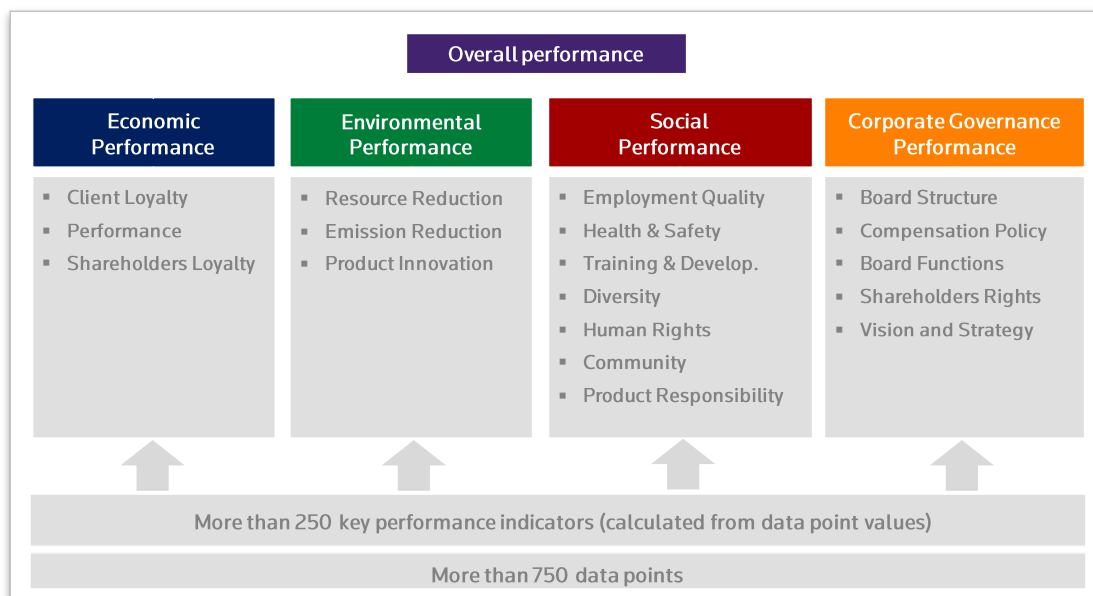
- A team of over 130 experienced analysts collect ESG data ensuring high quality standards.
- Every data point goes through a multi-step verification process, including a series of data entry checks, automated quality rules and historical comparisons.

Full integration with Datastream

- Combine ESG data with the wealth of economic and financial time series of Datastream.
- Advanced charting functionalities and seamless integration in Excel (Advanced for Office).
- Pre-configured templates for company and sector ESG views, available for download on the Extranet.

ABOUT THOMSON REUTERS

Thomson Reuters is the world's leading source of intelligent information for businesses and professionals. We combine industry expertise with innovative technology to deliver critical information to leading decision makers in the financial, legal, tax and accounting, scientific, healthcare and media markets, powered by the world's most trusted news organization. With headquarters in New York and major operations in London and Eagan, Minnesota, Thomson Reuters employs 55,000 people and operates in over 100 countries. Thomson Reuters shares are listed on the Toronto and New York Stock Exchanges. For more information, go to www.thomsonreuters.com.



The data framework above offers an overview of how the data points and the key performance indicators (KPI) are structured into four pillars representing four areas of company performance: economic, environmental, social and corporate governance.

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RESPONSIBLE INVESTMENT STRATEGIES

Thomson Reuters ASSET4 ESG information supports the full range of responsible investment strategies:

Integration

- Integrating analysis of ESG issues into financial analysis to identify sources of risk and opportunity linked to Sustainability.

Positive/Best in Class Screening

- Identifying the sustainability leaders according to a selected set of sector relevant ESG criteria

Governance and Engagement

- Active corporate governance that involves constructive dialogue between fund managers and companies to improve ESG performance.

Ethical/Negative Screening

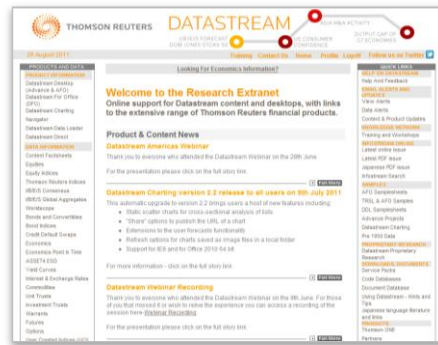
- Avoidance of companies with reported involvement or revenues in: GMO Products, Animal Testing, Agrochemical Products, Embryonic Stem Cell Research, Armaments, Armament Revenues, Anti-Personal Landmines, Cluster Bombs, Nuclear, Gambling, Child Labour Controversies.

PRODUCT ACCESS

- All ASSET4 ESG data is freely available to Datastream Premium and Datastream Direct clients, providing over 1000 ESG data items along with easy-to-use templates.

To learn more about ESG data, please visit:

- <http://asset4.com> for information on ESG Content and all associated products
- <http://online.thomsonreuters.com/datastream/> if you currently do not have access to Datastream
- <http://training.thomsonreuters.com/video/v.php?v=406> to view a video introduction for users
- <http://extranet.datastream.com/> to access the Datastream data type list, Excel templates, and sample charts



Access the Extranet on your Datastream start page

Sample of ASSET4 ESG Datatypes available on Datastream Premium and Direct		
Environmental	Social	Corporate Governance
Environmental Pillar Score	Social Pillar Score	Corporate Governance Pillar Score
Emissions Reduction Policy	Employment Quality/Policy	Board Structure/Policy
CO2 Equivalents Emission Total	Employee Satisfaction	Board Structure/Background and Skills
Emission Reduction/CO2 Reduction	Employment Quality/Salaries	Board Structure/Size of Board
Ozone-Depleting Substances Reduction	Employment Quality/Salaries Distribution	Board Structure/Board Diversity
Waste Total	Bonus Plan for Employees	Board Meeting Attendance Average
Non-Hazardous Waste	Generous Fringe Benefits	Compensation Policy
Hazardous Waste	Employment Quality/Employment Awards	Highest Remuneration Package
Emission Reduction/Waste Recycling Ratio	Trade Union Representation	Board Member Compensation
Water Pollutant Emissions	Employees Leaving	Stock Option Program
Waste Reduction Total	Turnover of Employees	Audit Committee Independence
Environmental Expenditures	Health & Safety/Policy	Audit Committee Management Independence
Energy Efficiency Policy	Total Injury Rate	Audit Committee Expertise
Energy Use Total	Lost Time Injury Rate	Compensation Committee Independence
Renewable Energy Use	Lost Days	Senior Executive Long-term Comp Incentives
Green Buildings	Average Training Hours	Vesting of Stock Options/Restricted Stock
Water Efficiency Policy	Training Costs Total	Shareholder Rights/Policy
Water Use Total	Management Training	Voting Rights
Water Recycled	Diversity and Opportunity/ Policy	Ownership
Environmental Supply Chain Management	Women Employees	Classified Board Structure
Energy Footprint Reduction	Women Managers	Staggered Board Structure
Environmental R&D Expenditures	Flexible Working Hours	CSR Sustainability Committee
Renewable/Clean Energy Products	Day Care Services	CSR Sustainability Report Global Activities
Water Technologies	Human Rights/Policy	CSR Sustainability External Audit
Product Innovation/Product Impact Minimization	Donations Total	GRI Report Guidelines

VISUALIZING ESG DATA

- Spreadsheets, presentations, documents, charts, tables, illustrations.
- Create them all – with the ability to refresh them at the click of a button – in Microsoft® Excel, PowerPoint and Word with the Datastream Add-in Visualize ESG sector performance by selected ESG criteria.
- Free download on the Datastream Extranet: http://extranet.datastream.com/Free_Reports/AFO_SAMPLES.htm.

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ASSET4 Environmental, Social and Corporate Governance Data

Home

Environmental

Social

Corporate Governance

Integration

COMPANY: Air France-KLM

CURRENCY: EUR

Note: Click an item name to view its description

	2006	2007	2008	2009	2010
Environmental Performance Score	77.24%	87.71%	81.62%	91.13%	91.40%
Transparency Score	31 / 47	33 / 47	34 / 47	34 / 47	34 / 47
Emissions Reduction					
Emissions Reduction Policy	Yes	Yes	Yes	Yes	Yes
CO2 Equivalents Emission Total (tonnes)	26,989,238	26,989,238	27,154,388	27,595,833	25,353,290
CO2 Equivalents Emission Direct (tonnes)	26,914,000	26,914,000	27,154,388	27,595,833	25,353,290
CO2 Equivalents Emission Indirect (tonnes)	75,238	75,238	-	-	-
CO2 Equivalent Indirect Emissions, Scope Three (tonnes)	-	-	-	-	-
Commercial Risks and/or Opportunities Due to Climate Change	No	Yes	Yes	Yes	Yes
CO2 Reduction	Yes	Yes	Yes	Yes	Yes
Ozone-Depleting Substances Reduction	No	No	No	No	No
NOx and SOx Emissions Reduction	Yes	Yes	Yes	Yes	Yes
NOx Emissions (tonnes)	141,200	133,696	135,784	144,390	131,717
SOx Emissions (tonnes)	6,468	6,859	11,086	14,952	12,921
VOC Emissions Reduction	Yes	Yes	Yes	Yes	Yes
VOC Emissions (tonnes)	-	-	123	142	127
Waste Total (tonnes)	52,436	47,781	74,696	67,138	67,028
Non-Hazardous Waste (tonnes)	46,715	42,316	69,176	61,054	61,067
Hazardous Waste (tonnes)	5,721	5,465	5,520	6,084	5,961
Waste Recycling Ratio	-	-	-	-	-
Water Pollutant Emissions (tonnes)	4	10	0	9	-
Waste Reduction Initiatives	Yes	Yes	Yes	Yes	Yes
Environmental Management System Certified Percent	-	-	-	-	-
Sustainable Transportation	No	No	Yes	Yes	Yes
Environmental Expenditures	-	7,900,000	15,500,000	33,200,000	40,800,000

Waste Total (tonnes)

CO2 Equivalents Emission Total (tonnes)

The Company Level ESG template allows you to select a company from the ASSET4 universe and analyze its ESG performance on over 120 datatypes for up to five fiscal years.

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ASSET4 Environmental, Social and Corporate Governance Data
Template for Sector and Industry Analysis

1. Select Sector/Industry

Airline Services

2. Select Criteria then hit

GO Clear Selections

Environmental

- CO2 Equivalents Emission Total (Tonnes)
- Energy Use Total (GJ)
- Water Use Total (m3)
- Waste Total (Tonnes)
- Clean Energy Products (Y/N)
- CO2 Equivalent Indirect Emissions, Scope Three (Tonnes)
- CO2 Equivalents Emission Direct (Tonnes)
- CO2 Equivalents Emission Indirect (Tonnes)
- CO2 Reduction Reporting (Y/N)
- Coal Energy Produced (GJ)
- Coal Energy Purchased (GJ)
- Commercial Risks and or Opportunities Due to Climate Change
- Direct Energy Produced (GJ)

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Top 5 by market segment

Companies with the highest points scores within the chosen sector/industry based on transparency and performance.

Small Market Cap Leaders

Company	Aggregated Total Points Score	Total Performance Score	Total Transparency Score
SAS	68	14	54
BBA AVIATION	46	12	34
AMR	41	12	29
VIRGIN BLUE HOLDINGS	41	9	32
WESTJET AIRLINES	35	9	26

Mid Market Cap Leaders

Company	Aggregated Total Points Score	Total Performance Score	Total Transparency Score
QANTAS AIRWAYS	61	13	48
HONG KONG AIRCRAFT ENGR.	56	14	42
AIR FRANCE-KLM	46	15	31
AUCKLAND INTL AIRPORT	45	10	35
EASJET	42	10	32

Median AIR FRANCE-KLM

CO2 Equivalents Emission Total (Tonnes)

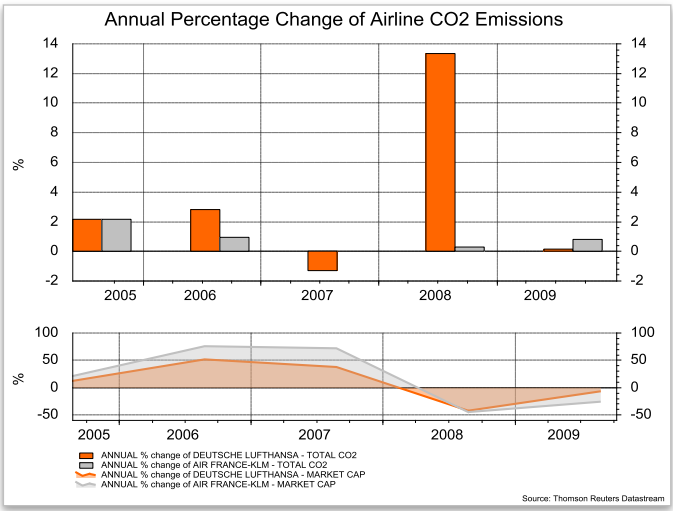
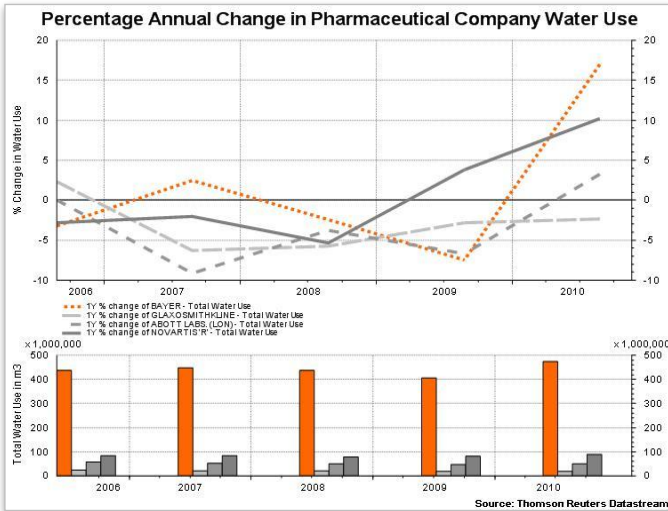
Distribution charts

Select sector / industry, select ESG criteria, click GO.

View the sector / industry top 5 on the selected ESG criteria and compare company performance versus sector / industry median per market cap.

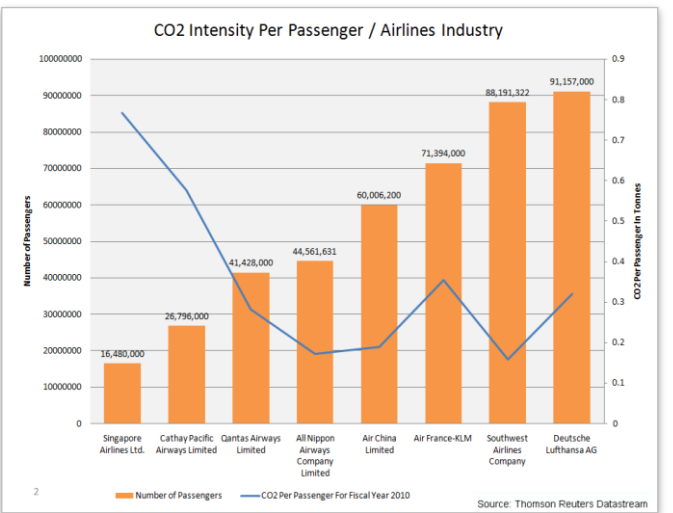
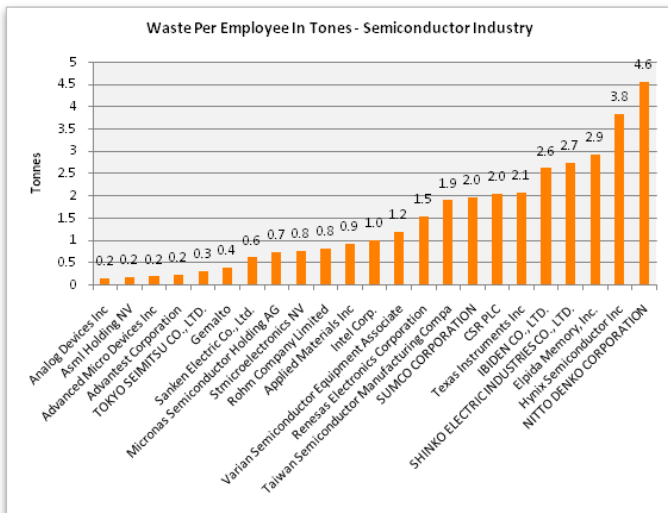
SOPHISTICATED CHARTING

- Datastream charting simplifies the manipulation of Datastream's content and publication.
- Easily to manipulate content with our intuitive interface. You can test ideas, see patterns, forecast market conditions as well as incorporate ESG content with other access classes in order understand cross asset relationships.
- For sample charts, please visit the Charting Library (Sample Charts > ESG ASSET4).



For this chart we focused on the annual change in water use by four pharmaceutical companies to see how these underlying water consumption values have evolved over a period of 5 fiscal years. The second pane focuses on the total water consumption to visualize the raw values versus the normalized ones. [Link to chart.](#)

One of the great functions in DS Charting is the ability to look at how values evolve over time. In this example, we look at the annual percentage change in CO2 emissions for Air France KLM and Deutsche Lufthansa. To create, select the series for the two airline companies and then the datatype for total CO2 emissions. In the chart settings the frequency is set to annual and divided into two panes. The pane at the top shows annual percentage change of total CO2 emissions, while the second pane highlights the percentage change in market capitalization over the same period. [Link to chart.](#)



Created using Datastream time series datatype for total waste and dividing it by the number of employees for each of the companies covered by the ASSET4 universe in the semiconductor industry. By simply downloading the data into Excel using Datastream, one can create charts using normal Excel functionality like the above.

This chart combines ASSET4 data regarding total CO2 emissions and Worldscope data for each airline on the number of passengers. We then downloaded both time series datatypes into Excel and performed the division to give us CO2 intensity per passenger.