

# Climate Change and Digital Solutions

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arabesque s-ray

# Mission Statement



ESG Big Data

AI / Machine Learning

Make sustainable investing financially attractive and available to the mainstream.

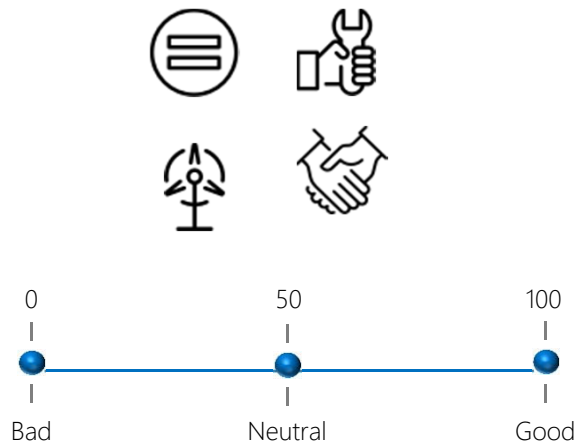
We integrate Environmental, Social and Governance (ESG) data with quantitative investment strategies to generate financial outperformance.



# Three Lenses of S-Ray

## GC Score

A normative assessment of each company based on the core principles of the United Nations Global Compact



## ESG Score

A sector specific analysis of each company's performance on financially material environmental, social and governance (ESG) issues



## Preferences

A search tool that allows anyone to check the business involvements of companies against their personal values

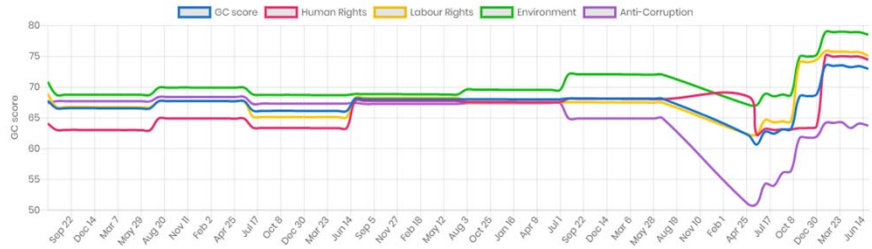


# Mondi plc

Country: [United Kingdom](#)    Sector: [Process Industries](#)    Size: [Mid](#)  
 Region: [Europe](#)    Industry: [Pulp & Paper](#)

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GC score **72.95**    ESG score **68.17**



Country rank [100](#)    Sector rank [98.84](#)



Business involvements

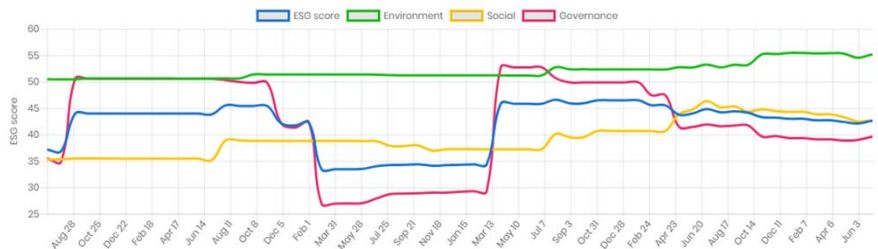


# Facebook, Inc. Class A

Country: [United States](#)    Sector: [Technology Services](#)    Size: [Mega](#)  
 Region: [North America](#)    Industry: [Internet Software/Services](#)

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GC score **43.1**    ESG score **42.57**



Country rank [19.53](#)    Sector rank [26.95](#)



Business involvements



# Applying S-Ray approach to challenge of climate change

*"To achieve the objective of the Convention, Parties need accurate, consistent and internationally comparable data on trends in GHG emissions and on efforts to change these trends"*  
-UNFCCC



# Climate change is driven by and is a risk for corporates

- Publicly listed companies were responsible for at least 20% of global GHG emissions in 2015
- Every sector will be affected by climate change
- But minority of companies acknowledge climate change as a financial risk
- Challenges:
  - Data availability
  - Data quality
  - Simplifying complexity





# Data transparency is key to fighting climate change

## Challenges:

- Estimated data adds unnecessary uncertainty and does not incentivise disclosure
- Disclosure behind a paywall isn't disclosure

## Solutions:

- Require that data is publicly reported
- Make it easier to disclose (without causing survey fatigue!)



# Data needs to be accurate, consistent and comparable

## Challenges:

- Emissions data often not split by scope
- Reduction targets use variety of scenarios and timeframes

## Solutions:

- Require companies to report following GHG Protocol
  - Encourage broader adoption of common target setting initiatives e.g. Science Based Targets initiative
- Allows automated data collection





# Simplifying complexity of climate science

- Output is:
  - Easy to use
  - Tangible
  - Meaningful







Sustainable finance for all

