





Our Take On Sustainable Investments



Sustainability is about

- Meeting the needs of the present without compromising the ability of future generations to meet their needs
- Recognizing that your contribution to society is instrumental in how you are assesed

Sustainable investing is about

- Investing in innovation and progress
- Identifying and invest in the companies best positioned to solve the world's biggest challenges
- Avoid investing in the companies that are part of the problem, showing no signs
 of a fast transition

We believe that

- Only strong and profitable companies can aspire to be sustainable
- Sustainability is one of the most powerful trends we have seen in investing, and
 it is going to accelerate in decades to come

Societal Value Of Corporate Activities

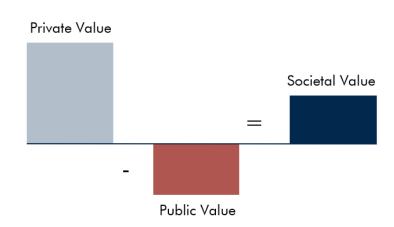
Case A: Positive externalities

Private Value

Public Value

+ =

Case B: Negative externalities



- The public value of business activities will increasingly be included in company valuations
- Sustainable business models will be able to attract more capital at a lower cost of capital
- New innovative business models and stranded assets



How to achieve a robust and balanced sustainability measure?

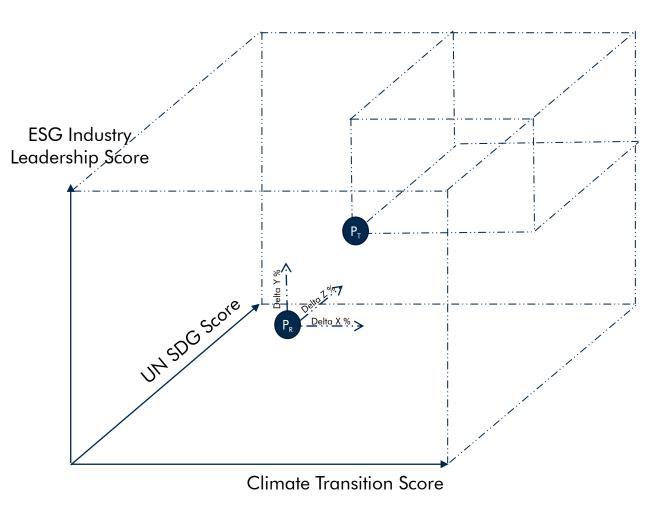
- Societal value and sustainability are multi-dimensional
- O2 Data are short, incomplete and noisy
- OS Comparisons between as well as within industries matter
- O4 Sustainability definition has to be dynamic and changes over time
- 05 A company's current position and forward looking trajectory may very well differ
- Perceptions and sentiments are important



The Sustainability CubeTM deals with all of the above



The Sustainability CubeTM



The Sustainability CubeTM

X-axis: Climate Transition Score

Measures how well a company is positioned to deal with the current and future challenges imposed by climate changes. Current carbon footprint, carbon targets and decarbonization progress are considered. All companies are scored on an absolute scale between 0–10, where 10 is the best.

Y-axis: ESG Industry Leadership Score

Measures how well a company is positioned to deal with the potential risks related to Environmental, Social and Governance issues. All companies are scored on an industry relative scale between 0–10, where 10 represents the leading company within an industry.

Z-axis: UN SDG Score

Measures how aligned a company is with the 17 UN Sustainable Development Goals (SDG). Measured e.g. by identifying revenue and R&D that can be attributed to products and services that can help solve some of the world's major social and environmental challenges. All companies are scored on an absolute scale between 0–10, where 10 is the best.

$P_{R,\chi,\gamma,Z}$ The reference or benchmark portfolio.

$P_{T, \chi, Y, Z}$ A hypothetical target of

A hypothetical target portfolio.



Adding it all up — The Sustainability CubeTM Score

- The inputs are the sub-scores from each dimension (ESG, Climate and SDG)
- 12 Sub-scores are equally weighted in order to calculate the final Score
- Os Companies can now be ranked between as well as within industries
- O4 Continued improvements in data and data quality
- 15 The Score can be used for portfolio construction purposes as well as reporting



The Sustainability CubeTM is integrated into everything we do



Our Sustainable Investment Process

Our 2-step approach to sustainable investments

Engagement & Exclusions

Identify problematic companies



Identify unwanted product and/or industry exposure

We favour engagement over exclusion

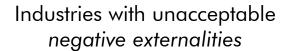


Fact based assessments



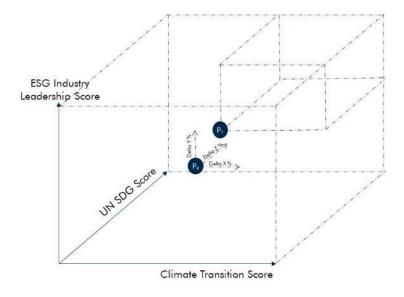
We exclude companies that intentionally and repeatedly violate national/internationally endorsed standards

Harmful or inhumane products



We exclude companies associated with production of controversial weapons, tobacco, thermal coal mining, nuclear weapons, oil sand extraction, arctic drilling, adult entertainment, gambling, alcohol and cannabis

Sustainability CubeTM screening & portfolio construction



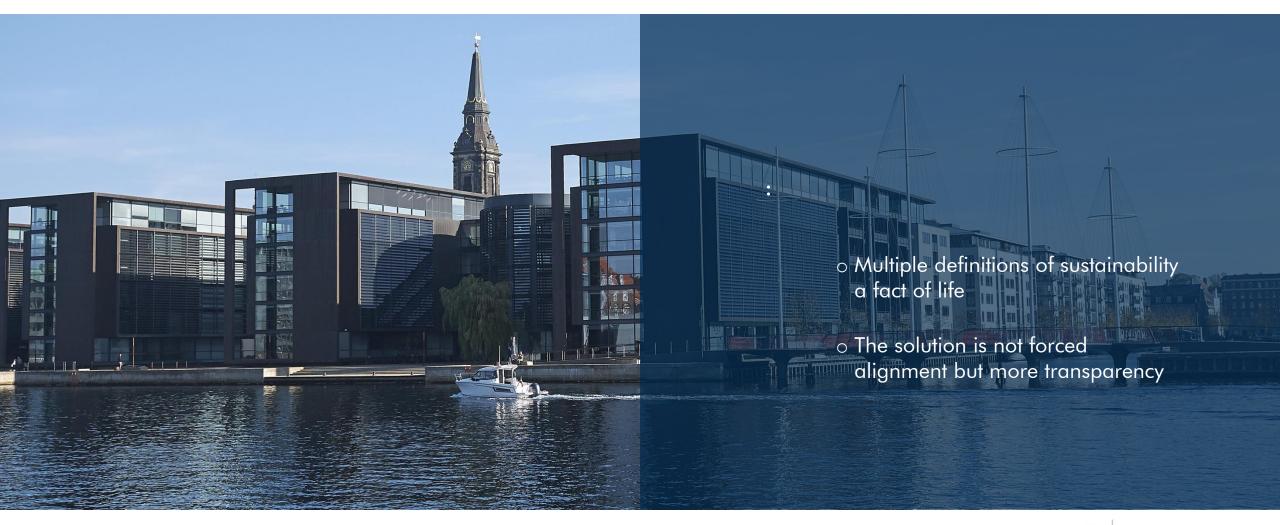


Progress or Greenwashing?

- SFDR Article 8 and 9 and Taxonomy
- Old wine in new bottles negative screening and passive investments
- Marketing Rules in retail "Give them what they want"
- O4 Sector tilts Health Care, Information Technology, Finance and Industrials
- Of Green Bonds a road to absolution?
- Carbon emission targets as a barrier to progress Fossil fuels and transportation

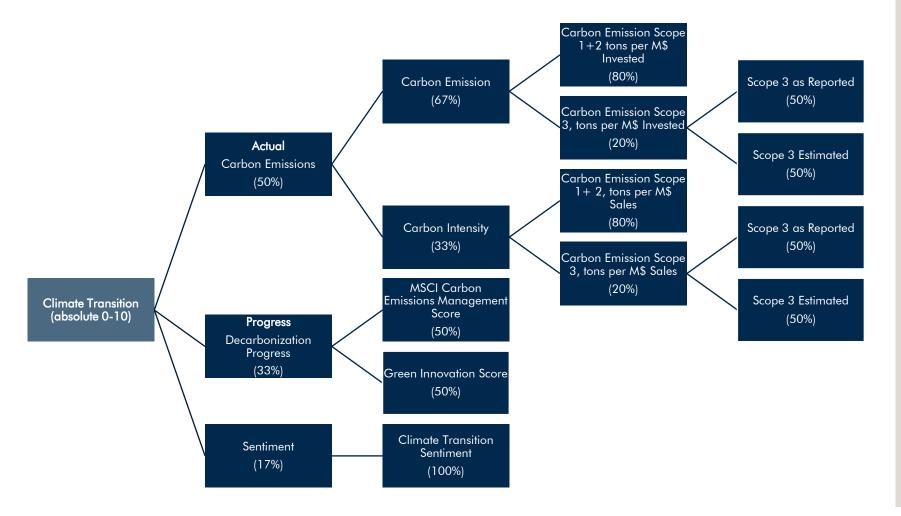


Final Remark





The Climate Transition Score



Continuous Improvement

Since not all companies disclose carbon emissions, we continuously work on improving data quality by incorporating estimated values both from analysts and from own models.

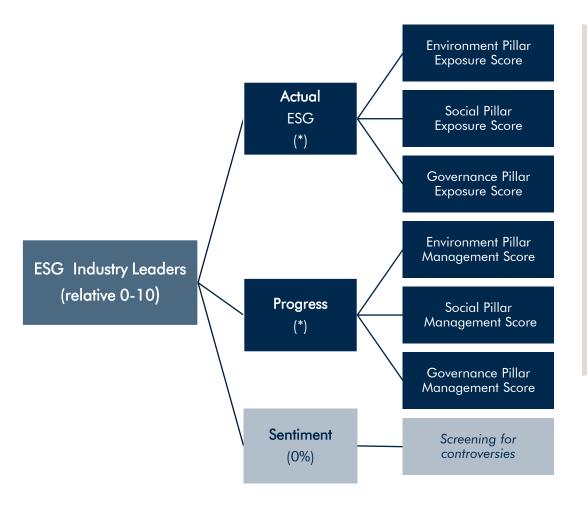
It is our belief that it will become increasingly important how well a company is delivering on their carbon reduction promises and Paris agreement alignment. Therefore, we will include e.g. carbon target analysis, both on historical and future targets, and we have included patent data in measuring the decarbonization progress of a company.

Due to the lacking nature of reported values and to get a "public" opinion on how well a company is doing with respect to solving carbon related issues, we have recently included a market wide Climate Transition sentiment score using NLP methods.



^{*}All emissions are measured in CO2e i.e., carbon dioxide equivalent

The ESG Industry Leadership Score



Continuous Improvement

Even though ESG is well-known there is a lack on consensus on how to measure it. We will continue to incorporate ESG data from various sources to improve the robustness.

In addition, we are looking into the weightings of the different ESG scores. The research on the tax governance score is ongoing and the weight is expected to be increased.

Due to the lacking nature of reported values, we will include real-time controversies screening to ensure that we address potential issues early.



^{*} The weights vary between industries and companies in accordance with MSCI ESG Ratings Methodology

The UN SDG Score **SDG Revenue**, Percent of total revenue that can be associated with sustainable impact categories (50%) Actual SDG (33%)SDG Product Alignment, The net impact of products and services on achieving targets associated with the 17 SDGs (50%)SDG Operational Alignment, The extent to which operations may result in a positive or negative impact in addressing the 17 SDGs **UN SDG Progress** (50%)(absolute 0-10) (33%)SDG Innovation Score, Based on the number of patents that can be associated with one or more of the 17 SDGs (50%)SDG Sentiment, The market-wide Sentiment sentiment with respect to the UN SDGⁱs (33%)(100%)

Continuous Improvement

All revenue and R&D that can be attributed to the 17 UN SDG's are not equal. We will continue to work on ways to differentiate companies on their efforts to solve some of the world's major challenges. As an example, we will soon include issued SDG innovation patents as an indicator of progress.

To get a "public" opinion on how well a company is doing with respect to addressing UN SDG's we have recently included a market wide sentiment score using NLP methods.



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