

Climate Change and the EU Regulatory Response:

SFDR Art. 9 "Green Superstar" & Absolutely Sustainable 'Paris-Aligned' Investing

Andreas G. F. Hoepner

Notes: The underlying EU TEG work is based on the excellent and tireless efforts of Claudia Bolli, Manuel Coeslier, Theodor Cojoianu, Delphine Dirat, Steffen Hoerter, Nadia Humphreys, Patrik Karlsson, Sebastien Lieblich, Sara Lovisolo, Astrid Matthey, Veronique Menou, Jean-Christophe Nicaise Chateau, Elena Philipova, Antoine Picot, Cesare Posti, Chantal Sourlas, Helena Vines Fiestas and Jean-Yves Wilmotte. Andreas also gratefully acknowledges scientific support on the EU TEG / PSF work from Ifegenia Paliabelos, Saphira Rekker, Joeri Rogelj, Fabiola Schneider, Theresa Spandel and Gabija Zdanceviciute.



Preamble 1:

Is ESG a scam, occasionally?

Are current real world outcomes sustainable?



Sell-Side ESG: Tesla out? Exxon top???



Exxon is rated top ten best in world for environment, social & governance (ESG) by S&P 500, while Tesla didn't make the list!

ESG is a scam. It has been weaponized by phony social justice warriors.

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Hoepner (2023) Climate Change and the EU Regulatory Response. March 9th 2023

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Dilbert's View on ESG ...

Monday September 19, 2022 Esg Scores And Pollution





Real Impact Outcome: Male Execs 99% vs. Female Execs 1%

The Washington Post

washingtonpost.com/business/economy/nearly-75-percent-of-nursing-homes-at-risk-of-closures/2022/06/06/cf03cc12-e59d-11ec-b037-e344f38e0a4f_story.html



10 \$

Try four weeks free



economy may suffer 1970s-style







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UN: Cut emissions by > 7%, every year!



Cut Global Emissions by 7.6 Percent Every Year for Next Decade to Meet 1.5°C Paris Target - UN Report

26 NOV, 2019 EXTERNAL PRESS RELEASE



Geneva, 26 November 2019 – On the eve of a year in which nations are due to strengthen their Paris climate pledges, a new UN Environment Programme (UNEP) report warns that unless global greenhouse gas emissions



ESG Ratings vs. Real Impact Outcomes (RIOs)

ESG Ratings:

- Mostly developed in 2000s
- Based predominantly on Inputs (e.g. Policies, Objectives) given data and technology availability at the time
- Weighting various KPIs into one overall rating that does not uniquely identify one outcome (i.e. "Gaming ESG ratings is easy")



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- Weighting various KPIs into one overall rating that does not uniquely identify one outcome (i.e. "Gaming ESG ratings is easy")
- Real Impact Outcomes (RIOs):
 - Emerged strongly around 2020 with, in particular, the ~7% number Purely Measures Outcomes in commonly known units (e.g. CO2e emissions, Women among Top Execs) Avoid Artificial Ratings Scale (ARS)



SDG literate Finance = Green Bonds + SDG linked Bonds

Principles for SDG literate Financing

"As asset owners, we have a duty to act in the best long-term interests of our beneficiaries. In this fiduciary role, we believe that issues relating to the United Nations' Sustainable Development Goals (SDGs) can affect the financial opportunities (e.g., return, upside deviations), financial risks (e.g., systemic risks, downside deviations) and overall financial performance (i.e., return divided by unit of risk) of investment operations which finance economic activities in primary markets.

While such primary market financing may vary across asset classes, issuers, economic activities, regions, and through time, we acknowledge that the real-world impact of an investors materializes particularly in primary markets which directly fund real world activities.

Investors wishing to enhance their real-world impact may adhere to SDG literate financing in primary markets, either through financing purely an activity supportive of the SDGs or by providing general financing which enables the issuer to achieve specific SDG milestone(s). Consequently, we recognise that applying SDG literate Financing Principles may better align our financing with scientific recommendations to achieve the SDGs, the Paris Agreement, and broader objectives of society.

Therefore, where consistent with our fiduciary responsibilities, we commit to the following:

 Principle 1 – Our Preferences & Expectations: We will prefer to finance SDG literate issuances wherever possible. Where we provide general financing, we expect

(i) issuers of securities to make clear commitments to one or more SDGs to be achieved by a specific time stamp.

(ii) whereby these clear commitments must be incentivized by a coupon step up or equivalent financial penalty in case the issuer fails to achieve them in time.

Principle 2 – Our Issuer Engagement: We will be active financiers and

(i) discourage issuers to issue bonds which are illiterate with respect to SDGs as they neither relate to an SDG supportive activity nor make a specific SDG commitment.

(ii) encourage appropriate disclosure on SDG performance information with respect to both issuers themselves and the issuances which we finance.

(iii) engage directly with Chief Financial Officers to enhance our effectiveness in implementing the Principles for SDG literate Financing.

- Principle 3 Our Commitment: Where market realities do not permit us to finance purely SDG literate securities, we will disclose our percentage of SDG literate financing annually.
- Principle 4 Walking the Talk: We will promote acceptance and implementation of the Principles
 for SDG literate Financing within primary financing markets through collaboration with other
 asset owners and scientists through

(i) participating in joint communication and outreach events

(ii) coordinating SDG preferences during pre-issuance periods

(iii) and supporting the joint development of SDG related assessments of securities during the post-issuance period.

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SDG linked Bonds:

Invented by Enel in Sep 2019

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In signing the Principles, we as financiers publicly commit to adopt and implement them, where consistent with our fiduciary responsibilities. We also commit to collaborate with scientists to evaluate the effectiveness and improve the content of the Principles for SDG literate Financing over time. We encourage other investors to adopt the Principles."

SDG literate Finance = Green Bonds + SDG linked Bonds

SDG linked Bonds:

- Invented by Enel in Sep 2019
- Strong growth rates
- Infinitely scalable

Principles for SDG literate Financing

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- Legally enforceable engagement milestones, ideal for PAI Engagements

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- Legally enforceable engagement milestones, ideal for PAI Engagements
- Prioritization of KPIs case by case by investors & issuer rather than outside (accounting) bodies

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Preamble 3:

SDG linked Bonds: a future superstar?



SDG Goals Mapped - Step up Bonds vs No Step up Bonds 139 140 120 100 80 70 60 44 40 40 25 20 20 13 13 12 11 8 5 3 3 3 2 0 2 2 3 2 0 0 0 0 0 50G N2: Responsible Consumption and Production 5068. Decent Work and Economic Growth 5069-Industrial Innovation and Infrastructure SDG 11: Susainabe Cities and Communities SDG 16: Peace, Justice and Strong Institutions 0 SDG 6: Clean Water and Sanitation SDG^{T. Affordable and Clean Energy} SDG 1^T. Patherships for the Goals 50G^{3: Good Health and Well-Being} 506^{10, Reduced mediatiles} SDG 5: Gandar Eduality 506^{13: Clinate Action} 50G1. No Povety 50GA. Quality Education SDS 14: Life below Water 5062:1er0 Hunger Step up Bonds No Step up Bonds



SDG Targets Mapped - Step Up Bonds vs No Step Up Bonds



Step up Bonds No Step Up Bonds



Currency - Step up Bonds Vs No Step up Bonds









Preamble 4:

With the Taxonomy nowadays defining "french fries as salad",

SFDR Art. 9 is the new Green Superstar!





"#Article9 claims to be walking the walk,



"#Article9 claims to be walking the walk, #Article8 claims to be talking the walk,



"#Article9 claims to be walking the walk,

#Article8 claims to be talking the walk,

#Article6 you have to do it whether or not you are talking or walking"

Alain Deckers (Head of Asset Management Unit, EU FISMA) on LinkedIn (May 13th '22) in response to my simplification below



"#Article9 claims to be walking the walk, #Article8 claims to be talking the walk, #Article6 you have to do it whether or not you are talking or walking"

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#SFDR simplified: #Article9 is walking the talk, #Article8 is talking the talk, #Article6 ain't talking.

Andreas Hoepner on LinkedIn on May 13th 2022



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Alain Deckers UA • 1st Head of unit, Asset management 2d ***

Um, no.

#Article9 claims to be walking the walk #Article8 claims to be talking the walk #Article6 you have to do it whether or not you are talking or walking

Celebrate · CCC 26 Reply · 6 Replies



walk

2d •••

Alain Deckers us But is it not really: #Article9 requires specific pre contractual elements and periodic reporting if you claim the product to be walking the

#Article8 requires specific pre contractual elements and periodic reporting if you claim the product to be talking the walk

#Article6 you have to inform about whether you integrate ESG risks in investment decisions and explain (how or why not) whether or not you are talking or walking or none of them

It is all about disclosure and not classification!

Like Reply



Alain Deckers UA • 1st

2d •••

Head of unit. Asset management

If you go back through my social media channels you'll see that I make this point over and over again. "Claims" in my comment refers to disclosures.

Like · 🖰 1 Reply

SFDR Article 9

Article 9

Transparency of sustainable investments in pre-contractual disclosures

1. Where a financial product has sustainable investment as its objective and an index has been designated as a reference benchmark, the information to be disclosed pursuant to Article 6(1) and (3) shall be accompanied by the following:

(a) information on how the designated index is aligned with that objective;

(b) an explanation as to why and how the designated index aligned with that objective differs from a broad market index.

2. Where a financial product has sustainable investment as its objective and no index has been designated as a reference benchmark, the information to be disclosed pursuant to Article 6(1) and (3) shall include an explanation on how that objective is to be attained.

3. Where a financial product has a reduction in carbon emissions as its objective, the information to be disclosed pursuant to Article 6(1) and (3) shall include the objective of low carbon emission exposure in view of achieving the long-term global warming objectives of the Paris Agreement.

By way of derogation from paragraph 2 of this Article, where no EU Climate Transition Benchmark or EU Paris-aligned Benchmark in accordance with Regulation (EU) 2016/1011 of the European Parliament and of the Council (²⁰) is available, the information referred to in Article 6 shall include a detailed explanation of how the continued effort of attaining the objective of reducing carbon emissions is ensured in view of achieving the long-term global warming objectives of the Paris Agreement.

4. Financial market participants shall include in the information to be disclosed pursuant to Article 6(1) and (3) an indication of where the methodology used for the calculation of the indices referred to in paragraph 1 of this Article and the benchmarks referred to in the second subparagraph of paragraph 3 of this Article are to be found.

5. The ESAs shall, through the Joint Committee, develop draft regulatory technical standards to specify the details of the presentation and content of the information to be disclosed pursuant to this Article.



SFDR Article 9 (3)

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SFDR Article 9 (1)(a)

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SFDR Article 2 (17)

(17) 'sustainable investment' means an investment in an economic activity that contributes to an environmental objective, as measured, for example, by key resource efficiency indicators on the use of energy, renewable energy, raw materials, water and land, on the production of waste, and greenhouse gas emissions, or on its impact on biodiversity and the circular economy, or an investment in an economic activity that contributes to a social objective, in particular an investment that contributes to tackling inequality or that fosters social cohesion, social integration and labour relations, or an investment in human capital or economically or socially disadvantaged communities, provided that such investments do not significantly harm any of those objectives and that the investee companies follow good governance practices, in particular with respect to sound management structures, employee relations, remuneration of staff and tax compliance;



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SFDR 2(17) simplified:

(a) You can include any investment with at least one underlying activity contributing [somewhat or substantial] to one of the sustainability objectives chosen for your fund



SFDR 2(17) simplified:

(a) You can include any investment with at least one underlying activity contributing [somewhat or substantial] to one of the sustainability objectives chosen for your fund

(b) Provided that, you exclude (i) any investment with at least one underlying activity doing significant harm on any social or environmental PAI and (ii) any corporation with less than good management structures, employee relations, employee renumeration and tax structures



SFDR 2(17) simplified:

(a) You can include any investment with at least one underlying activity contributing [somewhat or substantial] to one of the sustainability objectives chosen for your fund

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Key to understanding 2(17) is to recognise that (a) and (b)(i) represent an assessment of activities NOT the corporation itself, which is only assessed in (b)(ii). In other words, two corporations with an identical portfolio of activities but very different public reputation should be classified equivalently under (a) and (b)(i), which is crucial to insulate 2(17) from PR based Greenwashing.



Absolutely Sustainable Investing =





Precautionary Principle based Estimation



Fig. 1 | Application of the precautionary principle to estimation of under- and non-reporting companies.

a, Theoretical distribution of company GHG emissions as a function of production.
 b, Illustrative actual distribution of company GHG emissions under full (blue), underreporting (yellow) and non-reporting (red) scenarios.
 c, Proposed application of the precautionary principle to estimate the GHG emissions for an under- or non-reporting company with a specific production level.
 d, Outcome of the application of the precautionary principle to estimating under- and non-reporting emissions, providing incentives for improvement.



Absolutely Sustainable Investing: Paris Aligned Benchmarks and/or Climate Transition Benchmarks

Quasi Mandatory as **Benchmark** for **EU SFDR Article 9 funds with climate objective** (clarified by ESMA July 2021)

8

Total AUM since Dec 23rd 2020 effective launch > €50bn.

&

3

4

100+ of Indices, ETFs and even inhouse AO mandates launched.

 \sim

Real World Impact: The strong growth in PABs and CTBs combined with the mandatory application for Article 9 funds with climate objective will lead to top tier EU sustainability funds being benchmarked on

- ROI: Sufficient financial performance (i.e. return per unit of risk)
- RIO: Sufficient GHG reduction performance (i.e. at least 7% p.a.)


What is needed?! A trajectory to Net Carbon/Climate Neutral in 2050

IPCC based Trajectory to Net Carbon Neutral from Paris Agreement 1.5C scenario 'Total net GHG emissions' (in GtCO2/yr)

based on IPCC Special Report on Global Warming of 1.5C (Table 2.1 & 2.4, Rogelj et al., 2018)







Climate Transition (i.e. Paris-Aligned) Investing: absolutely sustainable.

"Thank you for your attention. I would love to learn from your questions and comments."

Andreas G. F. Hoepner





Climate Transition (i.e. Paris-Aligned) Investing: absolutely sustainable.

Appendices

Andreas G. F. Hoepner



Key Objective of the Climate Benchmarks (1/3)

(5) The benchmark methodology of EU Climate Transition Benchmarks and EU Parisaligned Benchmarks should be linked to the commitments laid down in the Paris Agreement. It is therefore necessary to use the 1,5°C scenario, with no or limited overshoot, referred to in the Special Report on Global Warming of 1,5°C from the Intergovernmental Panel on Climate Change (IPCC)⁶ ('IPCC scenario'). That IPCC scenario is in line with the Commission's objective to reach net zero greenhouse gas (GHG) emissions by 2050, set out in the European Green Deal. To be in line with the IPCC scenario, investments should be reallocated from fossil-fuels dependent activities to green or renewable activities and the climate impact of those investments should improve year after year.



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(5) The benchmark methodology of EU Climate Transition Benchmarks and EU Parisaligned Benchmarks should be linked to the commitments laid down in the Paris Agreement. It is therefore necessary to use the 1,5°C scenario, with no or limited overshoot, referred to in the Special Report on Global Warming of 1,5°C from the Intergovernmental Panel on Climate Change (IPCC)⁶ ('IPCC scenario'). That IPCC scenario is in line with the Commission's objective to reach net zero greenhouse gas (GHG) emissions by 2050, set out in the European Green Deal. To be in line with the

IPCC scenario, investments should be reallocated from fossil-fuels dependent activities to green or renewable activities and the climate impact of those investments should improve year after year.



Key Objective of the Climate Benchmarks (1/3)

(5) The benchmark methodology of EU Climate Transition Benchmarks and EU Parisaligned Benchmarks should be linked to the commitments laid down in the Paris Agreement. It is therefore necessary to use the 1,5°C scenario, with no or limited overshoot, referred to in the Special Report on Global Warming of 1,5°C from the Intergovernmental Panel on Climate Change (IPCC)⁶ ('IPCC scenario'). That IPCC scenario is in line with the Commission's objective to reach net zero greenhouse gas (GHG) emissions by 2050, set out in the European Green Deal. To be in line with the IPCC scenario, investments should be reallocated from fossil-fuels dependent activities to green or renewable activities and the climate impact of those investments

should improve year after year.



Absolutely Sustainable Investing =

1

Reduce GHG emissions vs. Market Benchmark in a given year (Relatively more sustainable investing as practiced in 2019)

+

2

3

5



Absolutely Sustainable Investing =





Differentiation of climate benchmarks

The two climate benchmarks vary in their level of ambition.

As a result, most of the recommendations are **common** to both climate benchmarks but with **different thresholds**.

Specifically, the Paris-Aligned Benchmark (PAB) **use exclusions**, while the Climate Transition Benchmark (CTB) does not.



The TEG recommends minimum standards for the **EU Climate Transition Benchmark** and the **EU Paris-aligned Benchmark:**





The TEG recommends minimum standards for the **EU Climate Transition Benchmark** and the **EU Paris-aligned Benchmark:**





The TEG recommends minimum standards for the **EU Climate Transition Benchmark** and the **EU Paris-aligned Benchmark:**

Climate Scenario	Relative decarbonization	Self decarbonization		
IPCC 1.5°C with no or limited overshoot	CTB: -30% PAB: -50% Minimum reduction in GHG emissions intensity (GHG/EVIC) compared to market index	-7% Minimum on average per annum reduction in GHG emissions intensity until 2050		
\checkmark	\checkmark	\checkmark		
\checkmark	\checkmark	\checkmark		

EU CTE

EU

PAE



The TEG recommends minimum standards for the EU Climate Transition Benchmark and the EU Paris-aligned Benchmark: 2-factor Greenwashing Protection

	Climate Scenario	Relative decarbonization	Self decarbonization	Equity Allocation Constraint	
	IPCC 1.5°C with no or limited overshoot	CTB: -30% PAB: -50% Minimum reduction in GHG emissions intensity (GHG/EVIC) compared to market index	-7% Minimum on average per annum reduction in GHG emissions intensity until 2050	= Or > AH: Degree of Exposure to "asset heavy" sectors compared with investable universe [Equities Only]	
	\checkmark	\checkmark	\checkmark	\checkmark	
3	\checkmark	\checkmark	\checkmark	\checkmark	



Hoepner (2023) Climate Change and the EU Regulatory Response. March 9th 2023

EU CTE

EU PAI

The TEG recommends minimum standards for the EU Climate Transition Benchmark and the EU Paris-aligned Benchmark: 2-factor Greenwashing Protection

	Climate Scenario	Relative decarbonization	Self decarbonization	Equity Allocation Constraint	Activity Exclusion	
	IPCC 1.5°C with no or limited overshoot	CTB: -30% PAB: -50% Minimum reduction in GHG emissions intensity (GHG/EVIC) compared to market index	-7% Minimum on average per annum reduction in GHG emissions intensity until 2050	= Or > Degree of Exposure to "asset heavy" sectors compared with investable universe [Equities Only]	1) Coal (1%+ rev.) 2) Oil (10%+ rev.) 3) Natural Gas 4) Electricity producers with carbon intensity of lifecycle GHG emissions higher than 100gCO2e/kWh (both 50%+ rev)	
3	\checkmark	\checkmark	\checkmark	\checkmark		
3	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	



EU CTE

EU PAI



CTBs & PABs curve the right trajectory to Net Zero 2050



Dotted line falls 3-4% depending on base year (e.g. 2017 vs. 2025). **Red** line is focused on economic efficiency and falls lesser. Green line is focused on impact sufficiency and falls steeper.



Absolutely Sustainable Investing =





GHG emissions: Scope 3 is Key!

GHG emissions should be considered using Life-Cycle Analysis with scope 3 being phased-in during a four year period

Period considered	NACE Level 2 (L2) Sectors considered	Suggested metric to be used by order of priority	Potential reduction target
At the date of implementation	At least energy (O&G), mining (i.e. NACE L2: 05, 06, 07, 08, 09, 19, 20)	Scope 3 emissions, Fossil fuel reserves (volume or revenue data)	30% for CTBs, 50% for PABs
Two years after implementation	At least transportation, construction, buildings, materials, industrial activities (i.e. NACE L2: 10-18, 21-33, 41- 43, 49-53, 81)	Scope 3	30% for CTBs, 50% for PABs
Four years after implementation	Every sector	Scope 3	30% for CTBs, 50% for PABs

Double counting can be addressed by 'Footprinting Scope 1' and separately 'Benchmarking Scope 2 & 3', with at least 7% reductions on both



Key Objective of the Climate Benchmarks (2/3)

(8) A decarbonisation based only on Scope 1 and Scope 2 (GHG) emissions could lead to counterintuitive results. It should therefore be clarified that the minimum standards for EU Climate Transition Benchmarks and EU Paris-aligned Benchmarks should not only consider direct emissions from companies, but also emissions assessed on a life-cycle basis and thus including Scope 3 (GHG) emissions. However, due to the insufficient quality of the data currently available for Scope 3 GHG emissions, it is necessary to set out an appropriate phase-in timeline. That phase-in timeline should be based on the list of economic activities set out in Regulation (EC) No 1893/2006.



Key Objective of the Climate Benchmarks (2/3)

(8) A decarbonisation based only on Scope 1 and Scope 2 (GHG) emissions could lead to counterintuitive results. It should therefore be clarified that the minimum standards for EU Climate Transition Benchmarks and EU Paris-aligned Benchmarks should not only consider direct emissions from companies, but also emissions assessed on a life-cycle basis and thus including Scope 3 (GHG) emissions. However, due to the insufficient quality of the data currently available for Scope 3 GHG emissions, it is necessary to set out an appropriate phase-in timeline. That phase-in timeline should be based on the list of economic activities set out in Regulation (EC) No 1893/2006.



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Key Objective of the Climate Benchmarks (3/3)

Article 12

Transparency requirements for estimations

In addition to the requirements laid down in Annex III to Regulation (EU) 2016/1011, administrators of EU Climate Transition Benchmarks or of EU Paris-aligned Benchmarks shall comply with the following requirements:

- (a) administrators of EU Climate Transition Benchmarks or of EU Paris-aligned Benchmarks that use estimations that are not based on data provided by an external data provider, shall formalise, document and make public the methodology upon which such estimations are based, including:
 - (i) the approach that they have used to calculate GHG emissions, and the main assumptions and the precautionary principles underlying those estimations;
 - (ii) the research methodology to estimate missing, unreported, or underreported GHG emissions;
 - (iii) the external data sets used in the estimation of missing, unreported or underreported GHG emissions;

Key Objective of the Climate Benchmarks (3/3)

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Absolutely Sustainable Investing =







Professor @AndreasHoepner: "companies are pretending they care about the environment, but they can't even add up the [#emissions] data." It shows their #NetZero targets are just a big public relations exercise.''



bloomberg.com

Corporate Greenhouse Gas Numbers Don't Always Add Up

A new study reveals errors, omissions and even rounding issues. "It shows that their net-zero targets are just a big public relations exercise," a researcher said.

3:15 PM · Jan 13, 2022 · Twitter Web App

Be aware of corporate GHG reporting!



Reported Global Emissions \neq Sum of Breakdowns



	2010	2011	2012	2012	2014	2015	2016	2017	2010	18 2019	Mismatch	
	2010	2011	2012	2015	2014	2015	2010	2017	2018		Total	Percentage
Activity												
Business		\checkmark	\checkmark	\checkmark	\checkmark	X	\checkmark	\checkmark			1	14.3%
Facility												
GHG	\checkmark			0	0%							
Region	\checkmark										0	0%



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Reported Global Emissions \neq Sum of Breakdowns





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Reported Global Emissions \neq Sum of Breakdowns

Example 2 Walmart : (Wal-Mart Stores, Inc.)





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UCD Michael Smurfit Graduate Business School

Reported Global Emissions \neq Sum of Breakdowns





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Reported Global Emissions \neq Sum of Breakdowns



	2010	2011	2012	2012	2014	2015	2016	2017	2018	2019	Mismatch	
	2010	2011	2012	2013	2014	2015	2010	2017			Total	Percentage
Activity												
Business	X	X	X	\checkmark	X	X	X	X		X	8	88.9%
Facility												
GHG	X	X	X	X	X	X	X	X		X	9	100%
Region	X	X	\checkmark	X	X	X	X	X		X	8	88.9%



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Reported Global Emissions \neq Sum of Breakdowns







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	2010	2011	2012	2012	2014	2015	2016	2017	2018	2019	Mismatch	
	2010	2011	2012	2013	2014	2015	2010	2017			Total	Percentage
Activity												
Business	\checkmark	X	X	X	X	X	X	X		X	8	88.9%
Facility												
GHG	X	X	X	X	X	X	X	X	X	X	10	100%
Region	X	X	X	X	X	X	X	X	X	\checkmark	9	90%



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Reported Global Emissions \neq Sum of Breakdowns





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Reported Global Emissions \neq Sum of Breakdowns





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Recommendations for climate benchmarks: Companies' Targets

It is crucial to understand that IPCC trajectory alignment can only be sufficiently assessed for 'self-sufficient subsets of the economy' (i.e. diversified indices).

 Analysis on sector or firm level ignore the interactions between firms and sector specific carbon budgets are usually constructed by sector insiders, who tend to give themselves a too large share of the global carbon budget.

Hence, a firm itself cannot be 1.5 degree aligned unless it is net climate/carbon neutral. Firms can only be assessed as 'suitable, somewhat suitable or unsuitable for 1.5 degree alignment'

Inspired by the Precautionary Principle, benchmark administrators shall consider increasing the weight of a company that set and publish evidence based decarbonisation objectives in case all of the subsequent conditions apply:

a) the benchmark administrator deems the company's Scope 1 GHG emissions reporting fully credible in terms of consistency and accuracy

b) the benchmark administrator deems the company's Scope 2 GHG emissions reporting fully credible in terms of consistency and accuracy

c) the benchmark administrator deems the company's Scope 3 GHG emissions reporting fully credible in terms of consistency and accuracy

d) the benchmark administrator observes the company to have reduced its total GHG emissions intensity of Scope 1, 2 and 3 emissions by an average of at least 7% per annum for at least three consecutive years.



Net Zero Zeal (NZZ) greenwashing-proof 'Scientinnz' Conditional Rating



Scientinnz Greenwashing-Proof Rating Development Team:

Co-Leads:

Prof. Andreas Hoepner, Co-Inventor and Lead Author of EU Paris-Aligned Benchmarks, Head of the Data Subgroup of the European Platform for Sustainable Finance, SVL & UCD

Assoc. Prof. Joeri Rogelj, Lead Author of the IPPC's 'Mitigation pathways compatible with 1.5°C' & Imperial College London

Members:

Assoc. Prof. Theodor Cojoianu, Member of the European Platform for Sustainable Finance, Member of the UK Treasury's Green Technical Advisory Group & University of Edinburgh Prof. Giovanna Michelon, University of Bristol Drs. Ifigeneia Paliabelos, NZZ & University of Hamburg Assoc. Prof. Saphira Rekker, University of Oueensland





Hoepner (2023) Climate Change and the EU Regulatory Response. March 9th 2023



Climate Action 100+: NZZ Graph (as of April 2022)



Climate Action 100+: NZZ Graph (as of April 2022)





Recommendations for climate benchmarks: Reviews

The report emphasizes the need for a **regular update** of these requirements, considering evolutions in the state of the market and the research in the field, and newly released IPCC reports.

These updates in the regulation will be key to the **success and consistency** of both climate benchmarks over time.

In light of the legislative text as agreed between co-legislators, the Commission shall **review the minimum standards** of the benchmarks by 31 December 2022, in order to ensure consistency with the **EU Taxonomy**.



Does the fund have environmental objectives?













"The ESAs had proposed in the [first] consultation paper that, because taxonomy-aligned investments would already be subject to a DNSH requirement under the Taxonomy Regulation, such investments would not need to be subject to the SFDR DNSH requirement.

<u>https://www.simmons-simmons.com/en/publications/ckv6uumi61gkt0a71sjft7khz/esg-esas-</u> <u>publish-their-final-report-with-draft-rts-under-sfdr</u>



"The ESAs had proposed in the [first] consultation paper that, because taxonomy-aligned investments would already be subject to a DNSH requirement under the Taxonomy Regulation, such investments would not need to be subject to the SFDR DNSH requirement.

However, the ESAs have determined that they are not legally capable to make this derogation and therefore all sustainable investments (including taxonomy-aligned investments) will be subject to the SFDR DNSH requirement (including [but not equal to] consideration of the adverse impact indicators in Annex I SFDR RTS).

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Firms and data providers will therefore have to make adjustments to their processes for determining whether an investment is taxonomy-aligned. As the SFDR DNSH requirement is more subjective than the prescriptive measures for the Taxonomy DNSH requirements under the technical screening criteria (**as under SFDR, it is up to firms to determine what would amount to "significant" harm**), firms may need to add the SFDR DNSH assessment as an overlay to any taxonomy-alignment assessment that they obtain from third party data vendors."

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AH: "The relevant ESA official(s) have clarified many times to me that SFDR DNSH is not intended to have any quantitative (exclusion) thresholds"

"The ESAs had proposed in the [first] consultation paper that, because taxonomy-aligned investments would already be subject to a DNSH requirement under the Taxonomy Regulation, such investments would not need to be subject to the SFDR DNSH requirement. However, the ESAs have determined that they are not legally capable to make this derogation and therefore all sustainable investments (including taxonomy-aligned investments) will be subject to the SFDR DNSH requirement (including [but not equal to] consideration of the adverse impact indicators in Annex I SFDR RTS).

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Level 1 approach

- Information about their policies on the identification and prioritisation of principal adverse sustainability impacts
- A description of the principal adverse sustainability impacts and of any actions in relation thereto taken or where relevant, planned
- Brief summaries of engagement policies
- A reference to their adherence to responsible business conduct codes and internationally recognised standards for due diligence and reporting and, where relevant, the degree of their alignment with the objectives of the Paris Agreement

ESAs proposed approach

- Prescriptive template
- Description of principal adverse sustainability impacts
- 64 ESG indicators in total
- 14 mandatory indicators (+2 from optional lists) for investee companies (as opposed to 32 mandatory indicators +2 from optional lists)
- 2 mandatory indicators for sovereigns and supranationals
- 2 mandatory indicators applicable to real estate
- Description of policies to identify and prioritise principal adverse sustainability impacts
- Description of actions to address principal adverse sustainability impacts (beside each indicator)
- Engagement policies
- · References to international standards
- Historical comparison (5 years as opposed to 10)





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AH: "Quantitative KPIs should comply with improvement over time or explain otherwise."

th 2023

