

EU Taxonomy Reported Data – User Guide

MSCI ESG Research LLC

September 2023

Authors

Nakul Jadhav

Amandeep Kaur



Table of Contents

Executive summary	3
Introduction to the EU Taxonomy	4
Reporting timelines for Taxonomy templates	7
MSCI's assessment of the NFRD use case	9
Interpreting data requirements for non-financial companies	10
Key performance indicators	10
Interpreting data requirements for financial companies	16
Key performance indicators	16
Sector - specific KPIs	17
MSCI EU Taxonomy Metrics Overview	18
Data availability	20
Appendix	21
Appendix 1: Mapping tables	21
Appendix 2: Company mapping example	35
Appendix 3: Acronyms	39



Executive summary

The objective of this guide is to help users understand and fulfil the reporting requirements under Commission Delegated Regulation (EU) 2021/2178¹ which supplemented Article 8 under the EU Taxonomy Regulation². Clients that are subject to report their Taxonomy data under the Non-financial Reporting Disclosure (NFRD)³ obligation in the EU Taxonomy regulation have encountered common challenges in interpreting the reporting templates. Here, we aim to provide guidance on MSCl's interpretation of the reporting templates and how our EU Sustainable Finance factors may be used to fill these templates.

The guide focuses on explaining MSCI's interpretation of the EU Taxonomy reporting templates for financial and non-financial companies. Based on our analysis of the reported data for FY2022, most non-financial companies have completed their taxonomy reporting by following the reporting template in Annex II of the Commission Delegated Regulation. Hence, this guide aims to explain the requirements of the different columns in the template and how MSCI's reported taxonomy dataset can be used to fulfill this requirement.

For templates related to financial companies, this guide provides an explanation of the various KPIs that are required for reporting, and how such templates can be interpreted by mapping to MSCI's reported financial datapoints.

This guide also provides an easy - to - understand summary on the various reporting timelines that are differentiated based on type of entity, type of reporting metric, environmental objectives, and enforcement status.

In the Appendix, we provide a high-level mapping of MSCI factors to respective EU Taxonomy reporting templates, including nuclear and gas. It is important to note that some datapoints that have been mapped in the tables are in the pipeline and have not yet been published on ESG Manager (as of August 2023). Some missing data points have not yet been mapped. Since the EU Taxonomy reporting requirements continue to undergo changes, this guide will be updated regularly to incorporate new updates to dataset and reporting templates.

It is important to note that the information provided in this guide does not constitute legal advice or any binding interpretation. Any approach to comply with legal, regulatory or policy initiatives should be discussed with your own legal counsel and/or the relevant competent authority, as needed.

¹ Commission Delegated Regulation (EU) 2021/2178, , as of Aug 31, 2023

² EU Taxonomy Regulation 2020/852, Article 8, , as of Aug 31, 2023

³ Non-financial Reporting Directive (EU) 2014/95, , as of Aug 31, 2023



Introduction to the EU Taxonomy

The aim of the EU Taxonomy regulation as per Article 1⁴ is "to establish the criteria for determining whether an economic activity qualifies as environmentally sustainable for the purposes of establishing the degree to which an investment is environmentally sustainable".

The EU Taxonomy Regulation was published in the Official Journal of the European Union ⁵ on 22 June 2020 and entered into force on 12 July 2020. It established the basis for the EU Taxonomy by setting out four overarching conditions that an economic activity must meet in order to qualify as environmentally sustainable.

In Article 3 of the EU Taxonomy regulation, the following critieria for environmentally sustainable economic activities have been defined⁶:

- (a) contributes substantially to one or more of the environmental objectives set out in Article 9 in accordance with Articles 10 to 16;
- (b) does not significantly harm any of the environmental objectives set out in Article 9 in accordance with Article 17;
- (c) is carried out in compliance with the minimum safeguards laid down in Article 18; and
- (d) complies with technical screening criteria that have been established by the Commission in accordance with Article 10 (3), 11(3), 12(2), 13(2), 14(2) or 15(2)"

All six environmental objectives have now been defined by the European Commission.

The below graphic illustrates the EU Taxonomy regulation and the classification process for an economic activity to qualify as taxonomy-aligned

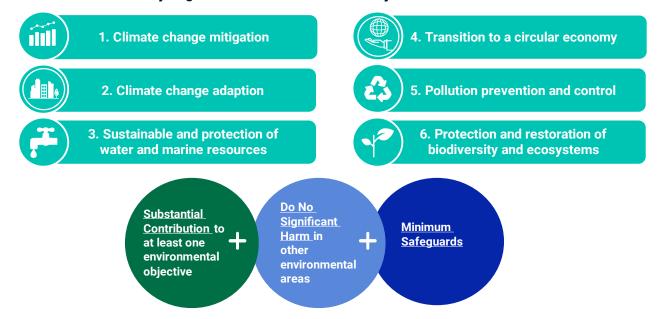
⁴ EU Taxonomy Regulation 2020/852, Article 1, , as of Aug 31, 2023

⁵ Official Journal of the European Union L 198, , as of Aug 31, 2023

⁶ EU Taxonomy Regulation 2020/852, Article 3, , as of Aug 31, 2023



Exhibit 1: EU Taxonomy Regulation - Six environmental objectives & classification criteria



Source: MSCI ESG Research LLC, as of Aug 31, 2023

The EU Taxonomy regulation has different use cases within the EU sustainable finance framework. As per MSCI's interpretation of the usability of EU Taxonomy data, the use cases can be divided among two groups i.e., use cases for reported EU Taxonomy data and use cases for estimated EU Taxonomy data.

The EU Taxonomy reported data is primarily used for the NFRD use case and the estimated data can be used for the SFDR use case. The below graphic explains the scope of application of the EU Taxonomy regulation.



Exhibit 2: EU Taxonomy data use cases

DETAILS



- Taxonomy alignment & eligibility KPIs for Financials and Non financials e.g., Turnover, Capex, OpEx, Assets etc
- NFRD flag identifying companies subject to NFRD

MAIN USE CASES

Regulatory Reporting:

- Taxonomy regulation: report on taxonomy metrics to respond for mandatory reporting for NFRD companies
- SFDR precontractual & periodic reporting: disclosure for article 8&9 product and EU ESG Template (EET) for taxonomy alignment and sustainable investment

Portfolio Construction:

- Develop EU Taxonomy-aligned investment products Include into the definition of Sustainable Investment
- Internal analysis of degree of potential EU Taxonomy alignment or eligibility



Taxonomy alignment & eligibility including substantial contribution, DNSH and minimum safeguards.



Regulatory Reporting:

SFDR precontractual & periodic reporting: use equivalent taxonomy data to fill in the gaps for companies outside of NFRD



Use our estimated taxonomy alignment, DNSH and minimum safeguards model as part of a due diligence process

Portfolio construction:

- Develop products aligned with global taxonomies
- Include into the definition of Sustainable Investment

Source: MSCI ESG Research LLC, as of Aug 31, 2023



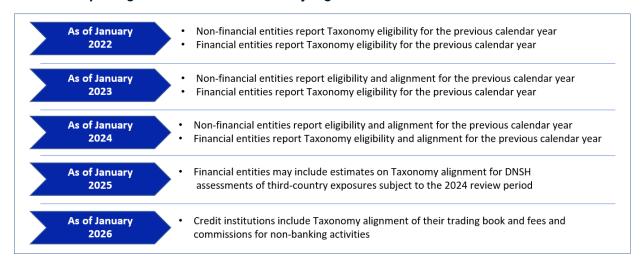
Reporting timelines for Taxonomy templates

The reporting obligations and timelines for financial market participants are set out in the Disclosures Delegated Act⁷ supplementing Article 8 of the Taxonomy Regulation.

As per Article 8(1) –"Financial undertakings and non-financial undertakings shall include all additional disclosures accompanying the key performance indicators laid down in Annexes I, III, V, VII, XI in the same parts of the non-financial statement that contains those indicators, or shall provide cross-references to the parts of the non-financial statements that contain those indicators".⁸

The graphic below illustrates the overall timeline for reporting obligations under the EU Taxonomy regulations.

Exhibit 3: Reporting timelines for EU Taxonomy regulation



Source: European Commission, EU Taxonomy Navigator_MSCI ESG Research LLC, as of Aug 29, 2023

With the adoption of the remaining four environmental objectives, the reporting timelines are as follows:

Reporting period	Based on financial Entity year		Taxonomy reporting metric	Environmental objective	Reporting status
2022	2021	Non-financial	Eligibility	CCM & CCA	In force
2022	2021	Financial	Eligibility	CCM & CCA	In force
2023	2022	Non-financial	Eligibility + Alignment	CCM & CCA	In force
2023	2022	Financial	Eligibility	CCM & CCA	In force
2024	2023	Non-financial	Eligibility + Alignment	CCM & CCA	Expected
2024	2023	Financial	Eligibility + Alignment	CCM & CCA	Expected
2024	2023	Non-financial	Eligibility	Remaining four environmental objectives	Expected

⁷ Disclosures Delegated Act (EU) 2021/4987, , as of Aug 31, 2023

⁸ Disclosures Delegated Act (EU) 2021/4987, Article 8(1), page 15, as of Aug 31, 2023



Reporting period	Based on financial Entity year		Taxonomy reporting metric	Environmental objective	Reporting status
				Remaining four	
2024	2023	Financial	Eligibility	environmental objectives	Expected
				Remaining four	
2025	2024	Non-financial	Eligibility + Alignment	environmental objectives	Expected
				Remaining four	
2025	2024	Financial	Eligibility	environmental objectives	Expected
				Remaining four	
2026	2025	Non-financial	Eligibility + Alignment	environmental objectives	Expected
				Remaining four	
2026	2025	Financial	Eligibility + Alignment	environmental objectives	Expected



MSCI's assessment of the NFRD use case

The EU Taxonomy regulation requires that all NFRD companies report on their taxonomy alignment KPIs. The NFRD use case is important for reported taxonomy data. Financial market participants use the reported taxonomy data from NFRD issuers to fulfill their reporting obligations under Article 8 of the EU Taxonomy regulation.

MSCI partnered with a third-party vendor, CEPS (Centre for European Policy Studies) to provide an indicator for companies that are in scope of the NFRD regulation. Companies are flagged based on company-disclosed data and eligibility thresholds set by the regulatory text. The detailed methodology and process used by CEPS to flag NFRD issuers can be found on the publicly available link, Study on the Non-Financial Reporting Directive⁹.

To qualify as in-scope for the NFRD, a public interest entity (PIE) must:

have more than 500 employees on average throughout the year

as well as either:

- total assets of more than EUR 20 million and/or
- a net turnover of more than EUR 40 million.

A PIE is an EU limited liability company which either has securities listed on an EU - regulated exchange, is a bank, and/or an insurance company as specified in article 2(f) of the NFRD regulation¹⁰. Only companies with listed securities within MSCI EU Taxonomy coverage were considered for review of NFRD eligibility, based on listing status between July 2022 and August 2022.

Exemptions of NFRD reporting apply to companies that are a part of a corporate group that at some level of majority ownership are required to publish a non-financial statement under the NFRD. This means that subsidiaries of PIEs are in principle excluded from the requirement to publish a non-financial statement under the NFRD. Therefore, as per MSCI's interpretation of the regulation, subsidiaries of an in-scope NFRD parent company are not required to report their taxonomy KPIs, and they do not inherit the parent company's KPIs in the MSCI data set.

Any company that meets the outlined requirements will be flagged as subject to the NFRD regulation.

The following MSCI factors can be used to screen companies under the NFRD assessment in the MSCI ACWI IMI index.

Factor name	Factor description
NFRD Assessment Year – Time Series	Calendar year in which the company's Non-financial Reporting Directive (NFRD) eligibility is assessed.
NFRD Eligible – Time Series	Indicates (Yes/No) if the company fulfils the criteria to disclose non-financial information defined in the Non-Financial Reporting Directive (NFRD, Directive 2014/95/EU). The data is provided by fiscal year. Additional information on eligibility criteria is provided in the MSCI EU Taxonomy Methodology document.

⁹ CEPS Study on the Non-Financial Reporting Directive, as of Aug 31, 2023

¹⁰ Non-financial Reporting Directive 2014/95/EU Article 2(f), as of Aug 31, 2023



Interpreting data requirements for non-financial companies

Key performance indicators

The EU Taxonomy regulation dictates different reporting requirements for financial companies and non-financial companies.

For non-financial companies (e.g., consumer companies, energy companies, agriculture companies, etc.) the regulation requires that three types of KPIs be disclosed:

- Turnover
- Capital expenditures
- Operating expenditures

For each indicator, companies are required to provide details on what proportion of the assets is **eligible for alignment** with the EU Taxonomy (i.e., the EUR or % that is in scope or has the potential to be green) and how much is actually **aligned** (i.e., is green).

For example, for vehicles, since manufacturing of vehicles falls within the scope of the EU Taxonomy, all vehicle manufacturing is considered *eligible*. However, only electric vehicles, and in some cases, hybrid vehicles are *aligned* to the Taxonomy's sustainable criteria. If a vehicle manufacturing company generates 100% turnover from vehicle sales but only 20% turnover from electric vehicles, then Taxonomy-eligible turnover would be 100%, and Taxonomy-aligned turnover would be 20%.

Beyond this basic example, there are several criteria that need to be met for an activity, product, service, or investment, to be considered taxonomy-aligned as shown in the graphic below:



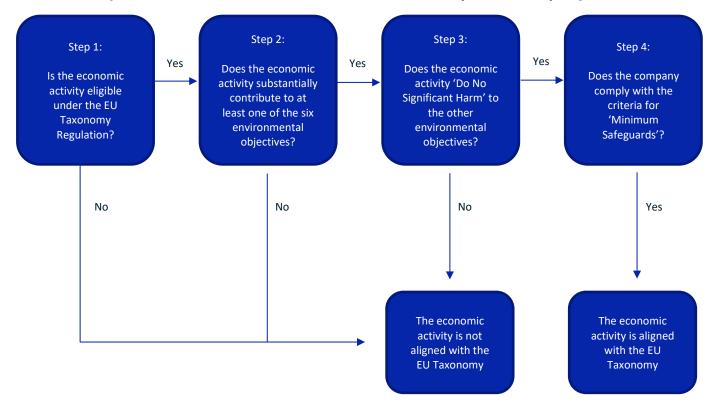


Exhibit 4: Stepwise flowchart for classification of an economic activity as Taxonomy-aligned

Source: MSCI ESG Research LLC, as of Aug 31, 2023

- ELIGIBILITY: In Step 1, a company's economic activities are screened against the activities listed in the Annexes of the Complimentary Climate Delegated Act. Any qualified activities are labeled 'Taxonomy Eligible'. The European Commission has published the list of eligible activities for all six environmental objectives, but for 2023, non-financial companies must report only on the eligibility of activities under the Climate Change Mitigation (CCM) and Climate Change Adaptation (CCA) objectives. Eligibility reporting for the remaining four objectives is due from January 2024.
- 2. SUBSTANTIAL CONTRIBUTION: As per the EU Taxonomy, the economic activities that have been identified as eligible in Step 1 will be considered for taxonomy-alignment if they make a substantial contribution to at least one of the six environmental objectives. The way in which an economic activity can substantially contribute to one of the six environmental objectives has been listed in Articles 10 to 15¹¹ in the EU Taxonomy Regulation. Further detailed information has been given in the activity-specific Technical Screening Criteria (TSC)¹².
- 3. DO NO SIGNIFICANT HARM ("DNSH"): It is not sufficient for an economic activity to substantially contribute to one of the environmental objectives as per Step 2. In fact, it also must demonstrate that it does not actively harm any of the other five environmental objectives; only then may the economic activity be considered for taxonomy-alignment. The European

 $^{^{11}}$ EU Taxonomy Regulation 2020/852, Articles 10 to 15, page 17 $\,$ – 22, as of Aug 31, 2023

¹² EU Taxonomy Technical Screening Criteria (TSC) EU 2021/2139, as of Aug 31, 2023



Commission has given detailed DNSH criteria ¹³ in the Climate Delegated Act and the Complimentary Climate Delegated Act for the economic activities that are considered as taxonomy-eligible, and which comply with the substantial contribution criteria as per the company's assessment. The company must conduct a thorough verification process by gathering relevant data and evidence to ensure that the economic activity adheres to the DNSH criteria set out in the Taxonomy regulation.

- 4. **MINIMUM SAFEGUARDS**: In the final step, the EU Taxonomy regulation requires that a given company demonstrates adherence to minimum human and labor rights standards which support sustainable and inclusive growth. For this, the EU Taxonomy regulation as per Article 18(1) and 18(2)¹⁴ requires companies to have minimum safeguards that comply with the OECD Guidelines for Multinational Enterprises and the UN Guiding Principles on Business and Human Rights, including the principles and rights set out in the eight fundamental conventions identified in the Declaration of International Labor Organization on Fundamental Principles and Rights at Work and the International Bill of Human Rights.
- ALIGNMENT: The taxonomy eligible activity in Step 1 that substantially contributes as per Step 2 and meets the requirements for DNSH and Minimum Safeguards in Steps 3 and 4 is then considered to be taxonomy - aligned.

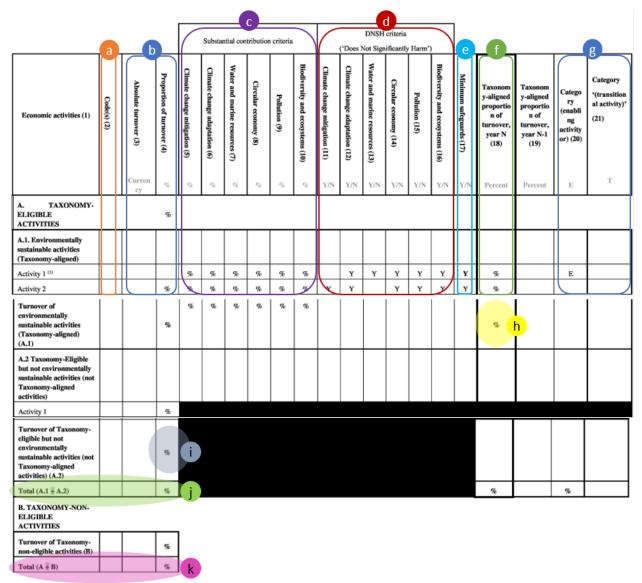
For non-financial companies, the EU Taxonomy regulation requires disclosures as per the above steps. To assist companies in fulfilling their regulatory disclosure requirements, the following reporting template has been specified in Annex II of the EU Taxonomy Regulation.

¹³ EU Taxonomy Regulation 2020/852, Article 17, page 23, as of Aug 31, 2023

 $^{^{14}}$ EU Taxonomy Regulation 2020/852, Article 18, page 23, as of Aug 31, 2023



Exhibit 5: EU Taxonomy reporting template for non-financial companies



Source: European Commission, Commission Delegated Regulation (EU) 2021/2178, MSCI ESG Research LLC, as of Aug 31, 2023

Section A.1: Activities eligible and aligned (or "environmentally sustainable").

<u>Box (a)</u> will provide, by activity, the EU Taxonomy activity code. For example, the activity "Electricity generation using solar photovoltaic technology" has a code of 4.1. This code references the activity from the EU Taxonomy regulation. See below the overview of number of activities/codes that have been defined per environmental objective in the EU Taxonomy Regulation.

Environmental Objective	No. Of EU Taxonomy Activity Codes		
Climate Change Mitigation	88		
Climate Change Adaptation	97		
Water and Marine Resources	6		



Environmental Objective	No. Of EU Taxonomy Activity Codes		
Transition to Circular Economy	21		
Pollution Prevention and Control	6		
Protection and restoration of biodiversity and ecosystem	2		

<u>Note</u>: EU Taxonomy activities are associated with one or more NACE codes (or sector codes) but the two should not be confused. NACE codes often start with a letter, followed by numbers. EU Taxonomy codes are numbered 1 to 13 including decimals in between. As per MSCI's interpretation of the template, column (a) refers to the EU Taxonomy Activity code and this is the information that is collected by MSCI.

<u>Box (b)</u> details the absolute and percentage values of turnover generated from that activity. It is important to note the currency and units for which the data is reported. The percentage turnover from box (b) refers only to the eligible portion of turnover from that activity. It does not necessarily mean the turnover is fully aligned to the EU Taxonomy.

At the bottom of columns/box b will be the aggregate amount of eligible and aligned turnover (referred in the template as activities under A.1). This value corresponding to **A.1** is NOT necessarily the total eligible turnover. It is only the portion of eligible turnover that is also aligned.

Box (c) represents the amount of turnover/turnover that meets the Technical Screening Criteria (TSC)¹⁵ and thus can be considered positively contributing to at least one environmental objective. This figure should represent the **percentage of total turnover** that meets the criteria (i.e., 5% of total turnover from solar power generation has substantial contribution to climate change mitigation), though we have observed that **some companies disclose the percentage of activities with eligible turnover** that meets the criteria. For the latter, this may mean that the company reports 5% eligible turnover from solar power generation in box (b), then in box (c) discloses 93%. This would mean 93% of 5% meets the criteria.

Next, <u>box (d)</u> provides details on if the activity meets the DNSH criteria for each of the environmental objectives. The options are typically "Y" for Yes, "N" for No or blank when there are no criteria to test for that particular activity. This information must be entered into the template at the activity level. The same is true for <u>box (e)</u> regarding Minimum Safeguards.

Finally, box (f) provides the amount of turnover that is aligned, i.e., is eligible, meets the technical criteria to substantially contribute, and passes the DNSH and minimum safeguards. This field can also be disclosed in different ways depending on the company's interpretation of the requirements. In general, it is disclosed as a percentage of total turnover; however, some companies disclose it as a percentage of the activities eligible or as a percentage of total eligible turnover.

Box (h) aggregates the aligned turnover percentages to show the amount of total aligned turnover. Again, it is important to collate this as a percentage of total turnover and not a percentage of total eligible turnover.

Section A.2: Eligible but not aligned activities.

 $^{^{\}rm 15}$ EU Taxonomy Technical Screening Criteria 2021/2139, as of Aug 31, 2023



In <u>box (i)</u>, Section A.2 will show eligible turnover that is not aligned. Since this eligible turnover belongs to activities which are identified as not aligned with the EU Taxonomy, the subsequent cells in the same row belonging to DNSH & Minimum Safeguards will remain blank (hence they have been darkened). To calculate the total amount of turnover that is eligible, take the information from box (j) which aggregates box (b) and box (i) (which is A.1 and A.2). Box (j) is total eligible turnover.

Section B will show the information about taxonomy non-eligible activities.

Lastly, sum the total turnover A + B (or A1 + A2 + B) which is shown in box (k).

The same logic can be used for taxonomy reporting related to CapEx and OpEx KPIs.



Interpreting data requirements for financial companies

Key performance indicators

For financial companies, the indicators are not directly based on turnover, CapEx, and OpEx, but rather **assets**. Given this, the template to collect reported EU Taxonomy data is different from the non-financial template. For example, we are not concerned (as it is not required in the regulation) about EU Taxonomy turnover for a bank, but rather what percentage of the assets are EU Taxonomy aligned. This includes the bank's loans and investments (i.e., assets).

There are four types of financial companies subject to these requirements. Each of these has their own template for EU Taxonomy reporting.

- Investment Managers
- Insurance (or Re Insurance)
- Credit institutions (i.e., Banks)
- Asset Managers

From 2024, it is expected that financial companies disclose the percentage of eligible (and aligned) assets based on turnover and CapEx. Thus, there will eventually be three types of indicators eligible:

- 1. **Eligible assets**: Assets on the balance sheet or under management that are eligible for EU Taxonomy reporting
- 2. Eligible assets based on turnover of counterparts/borrowers/investments/Assets under management (AUM): The weighted average percentage of turnover from eligible assets
- 3. Eligible assets based on CapEx of counterparts/borrowers/investments/Assets under management (AUM): The weighted average percentage of CapEx from eligible assets

Financial companies are not required to disclose OpEx. For alignment indicators, it will be based on aligned turnover of counterparties, and aligned CapEx of counterparties (only 2 and 3 above will apply for alignment KPIs).

Eligible assets can be disclosed in several ways, particularly related to the denominator of the calculation. Based on data collection observations, we have observed that companies offer different ways of reporting, e.g., as an **eligible percentage of total assets** or **eligible percentage of covered assets**.

If a company discloses the percentage of eligible assets as 20%, additional due diligence may be performed by financial market participants to confirm whether the figure represents 20% eligible of total assets, or 20% eligible of covered assets. EU Taxonomy has proposed that all asset reporting be based on covered assets by default. However, we have found that many companies are not yet reporting as a percentage of covered assets (as of August 2023).

 <u>Total assets</u> include everything within the business' balance sheet or portfolio/AUM/Investments. Covered assets exclude non-covered securities such as government securities/treasuries.



 <u>Covered assets</u> include only those assets that fall into the scope of reporting. For most companies, this will at a minimum include assets that fall in scope of the NFRD (Non-Financial Reporting Directive) or "Article 19a and 29a" of NFRD.¹⁶

Sector - specific KPIs

As indicated above, four types of entities fall under the financial classification: Banks/credit institutions, insurance (re-insurance), investment, and asset managers.

Insurance companies must disclose the percentage of premiums written that are eligible for the EU Taxonomy. This may be disclosed under other terms such as: gross written premiums, premium turnover, or insurance underwriting activities (these will all fall under premiums category). **Investment firms** will disclose the percentage of investment turnover from fees and commissions when dealing in accounts outside of their own.

Based on the above, while collecting data for the "Sector" column or entity type, if the company reports a percentage of investment turnover as well as a percentage of assets, it is interpreted as an investment firm entity, and the relevant reporting template should be used. If a company reports a percentage of assets and a percentage of gross written premiums, it is interpreted as an insurance company.

In theory, it is possible that large financial institutions may report more than one entity type of KPI. For example, a credit institution may have a business unit or subsidiary that is an insurance firm. In this case, all KPIs should be collected, marked by the domain type for which it is being collected (credit institution domain for the banking assets and insurance domain for the insurance and premiums KPI). The "main" KPIs for the ultimate parent company should be flagged.

1

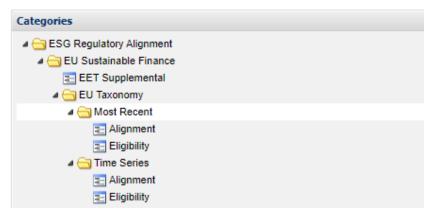
¹⁶ Non-Financial Reporting Directive (EU) 2014/95, as of Aug 31, 2023



MSCI EU Taxonomy Metrics Overview

All EU Taxonomy data points are available in ESG Manager as part of the MSCI Sustainable Finance Package offering. To simplify ease of user access and to best locate the relevant information, the data points are segregated into different folders.

Below is the current folder structure available in ESG Manager:



However, as the number of data points increases, it is important to find a way to make the folder structure leaner and easier to navigate. Hence, we expect to enhance the folder structure for the EU Taxonomy dataset going forward, as proposed below:

Primarily, the EU Taxonomy dataset will be split into two types - Estimated & Reported

- In the Estimated dataset, there will be two main folders Most Recent & Time Series
 - o These two folders will have two sub-folders each Eligibility & Alignment
 - The Alignment sub-folder will also have a separate sub-folder just for DNSH & Minimum Safeguards data points.
- In the Reported dataset, there will be two main folders Most Recent & Time Series
 - These two folders are further divided into two folders Non-financials & Financials
 - Under them, there will be two sub-folders Eligibility & Alignment

Within each sub-folder for Eligibility & Alignment, there will be 7 datasets - one per environmental objective and one total, all of which will be further divided into data points for Turnover/CapEx/OpEx.

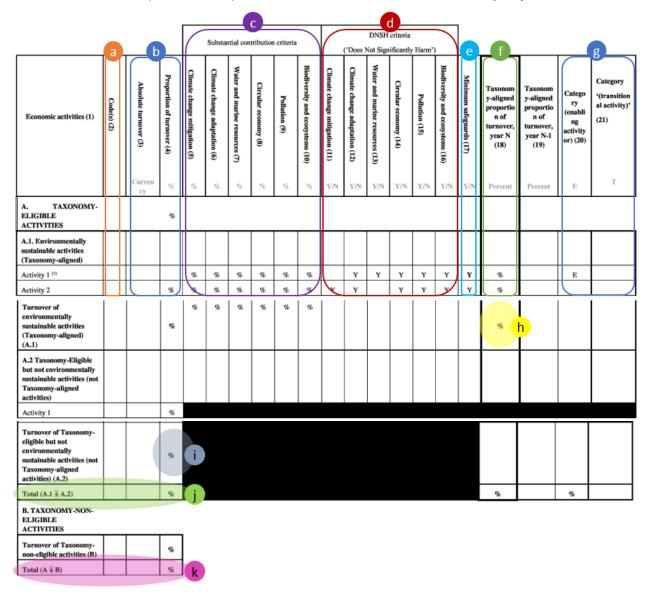
The Alignment dataset will also cover Enabling & Transitional data points.

Nuclear and Gas dataset will be shown in a separate folder.

Users will be able to access this data via ESG Manager and enhanced data feeds.



For non-financial companies, the reported metrics can be used in the following way:



Source: European Commission, Commission Delegated Regulation (EU) 2021/2178, MSCI ESG Research LLC, as of Aug 31, 2023

For Section A (Taxonomy Eligible Activities), the metrics to be used are from the Eligibility Folder as per the column requirements.

In column b for section A, the Reported EU Taxonomy Eligible Turnover (%) factor should be used to disclose the data.

For Section A.1(Taxonomy Aligned), at an aggregated level, the factors to be used are from the Alignment folder in ESG Manager.

In column b for Section A.1, the Reported EU Taxonomy Aligned Turnover (%) should be used.



In column c for section A.1, non-financial companies must report on Turnover/CapEx percentage values related to Substantial Contribution. For this purpose, the Estimated EU Taxonomy Substantial Contribution datapoints can be used.

For Section A.2, non-financial companies must report on the Taxonomy-eligible but not Taxonomy-aligned Turnover/CapEx percentages. For this, the Reported EU Taxonomy Non-aligned datapoints can be used as per the relevance of the columns.

Data availability

As of July 2023, for both financial and non-financial companies, reported data is available for two objectives (Climate Change Adaptation and Climate Change Mitigation) and the Totals. We also provide the reported turnover and CapEx data for Nuclear & Gas.

Below is an overview of the mapping tables available in this guide:

Annex	Template details	Table number	MSCI comments		
Annex II	Template for the KPIs of non-financial undertakings	Appendix 1, table 1	The table shows a mapping of objective level factors, but the data is not available currently since it is only required to report Totals at this point		
Annex II	Template for the KPIs of non-financial undertakings	Appendix 1, table 2	Objective level DNSH for non-financials		
Annex IV	Template for the KPIs of asset managers	Appendix 1, table 3	The table shows a mapping of objective level factors, but the data is not available currently as financials are required to report beginning next year onwards. The missing factors are in the pipeline		
Annex VI	Template for the KPIs of credit institutions	Appendix 1, <u>table 4</u>	The table displays a mapping of overall		
Annex VIII	Template for the KPIs of investment firms Appendix 1, table 4		financial factors, which can be leveraged along with the factor:		
Annex X	Template for the KPIs of insurance and reinsurance undertakings	Appendix 1, table 4	REP_EU_TAXONOMY_TYPE (EU Taxonomy Reported - Financial Type) to report on the corresponding entity type for financials		
Annex III	Template 2 Taxonomy- aligned economic activities (denominator)	Appendix 1, table 5			
Annex III	Template 3 Taxonomy- aligned economic activities (numerator)	Appendix 1, table 6	These tables display mapping of activity-level factors for Nuclear and Gas as per the reporting templates in Annex III of the		
Annex III	Template 4 Taxonomy- eligible but not taxonomy- aligned economic activities	Appendix 1, table 7	COMMISSION DELEGATED REGULATION (EU) 2022/1214		
Annex III	Template 5 Taxonomy non- eligible economic activities	Appendix 1, table 8			



Appendix

Appendix 1: Mapping tables

Table 1:

Annex II: Template for the KPIs of non-financial undertakings

Climate Change Mitigation (CCM)					
Taxonomy REP_EU_TAXONOMY_NON_FIN_MITIGATION_ELIGIBLE_TURNOVER					
Taxonomy REP EU TAXONOMY MITIGATION ALIGNED					
Transitional REP_EU_TAXONOMY_NON_FIN_MITIGATION_ALIG			Enabling REP_EU_TAXONOMY_NON_FIN_MITIGATION_ALI		
	NED_TRANSITION_TURNOVER GNED_ENABLING_TURNOVER				

C	Climate Change Adaptation (CCA)					
	Taxonomy REP_EU_TAXONOMY_NON_FIN_ADAPTATION_ELIGIBLE_TURNOVER					
	Taxonomy REP_EU_TAXONOMY_ADAPT_ALIGNED					
		Transitional REP_EU_TAXONOMY_NON_FIN_ADAPTATION_ALIG NED_TRANSITION_TURNOVER	Enabling REP_EU_TAXONOMY_NON_FIN_ADAPTATION_ALI GNED_ENABLING_TURNOVER			

To	tal ((CCM + CCA)		
Taxonomy REP_EU_TAXONOMY_REV_ELIGIBLE				
Taxonomy REP_EU_TAXONOMY_REVENUE_ALIGNED			Aligned	
		Transitional REP_EU_TAXONOMY_TRANSITION_ALIGNED	Enabling REP_EU_TAXONOMY_ENABLE_ALIGNED	



Table 2:Annex II: Template for the KPIs of non-financial undertakings (DNSH)

	DNSH criteria					Daining	
Economic Activities	Climate Change Mitigation REP_EU_TA XONOMY_M ITIGATION_ DNSH_TOTA L	Climate Change Adaptation REP_EU_TAX ONOMY_AD APTATION_D NSH_TOTAL	Water and Marine resources REP_EU_T AXONOMY _WATER_D NSH_TOTA L	Circular Economy REP_EU_TAX ONOMY_CIR C_ECONOMY _DNSH_TOTA L	Pollution REP_EU_T AXONOMY _POLL_DN SH TOTAL	Biodiversit y and Ecosystem s REP_EU_T AXONOMY _BIODIV_D NSH_TOTA L	Minimum Safeguard s REP_EU_T AXONOM Y_MIN_S AFEGUAR D
Taxonomy Eligible	L	NSH_TOTAL	L	L	3H_TOTAL	L	
Activities- refer to							
Appendix 1, table 1							
Taxonomy Aligned							
Activities- refer to							
Appendix 1, table 1							
Taxonomy Non-							
Aligned							
REP_EU_TAXONO							
MY_NON_FIN_ADA							
PTATION_NON_ALI							
GNED_TURNOVER							
DED ELL TAVONO							
REP_EU_TAXONO							
MY_NON_FIN_MIT IGATION_NON_ALI							
GNED_TURNOVER							
ONED_TORROVER							
REP_EU_TAXONO							
MY_NON_FIN_TOT							
AL_NON_ALIGNED							
_TURNOVER							
Taxonomy Non-							
Eligible							
DED EIL TWOM							
REP_EU_TAXONO							
MY_NON_FIN_ADA							
PTATION_NON_ELI							
GIBLE_TURNOVER							
REP_EU_TAXONO							
MY_NON_FIN_MIT							
IGATION_NON_ELI							
GIBLE_TURNOVER							
_							
REP_EU_TAXONO							
MY_REV_NON_ELI							
GIBLE							



Table 3:

Annex IV: Template for the KPIs of asset managers

Annex IV: Template for the KPIs of asset managers	
The weighted average value of all the investments that are directed at funding, or are associated with taxonomy-aligned economic activities relative to the value of total assets covered by the KPI, with following weights for investments in undertakings per below: Turnover-based: %	The weighted average value of all of the investments that are directed at funding, or are associated with taxonomy-aligned economic activities, with following weights for investments in undertakings per below: Turnover-based: [monetary amount] CapEx-based: [monetary amount]
CapEx—based: %	T
The percentage of assets covered by the KPI relative to	The monetary value of assets covered by the KPI.
total investments (total AuM). Excluding investments in	Excluding investments in sovereign entities.
sovereign entities, Coverage ratio: %	Coverage: [monetary amount]
Additional, complementary disclosures: Breakdown of de	enominator of the KPI
The percentage of derivatives relative to total assets	The value in monetary amounts of derivatives:
covered by the KPI.	[monetary amount]
X %	
The proportion of exposures to EU financial and non-financial undertakings not subject to Articles 19a and 29a of Directive 2013/34/EU over total assets covered by the KPI:	Value of exposures to EU financial and non-financial undertakings not subject to Articles 19a and 29a of Directive 2013/34/EU: For non-financial undertakings: [monetary amount] For financial undertakings: [monetary amount]
For non-financial undertakings:	
For financial undertakings:	
The proportion of exposures to financial and non-financial undertakings from non-EU countries not subject to Articles 19a and 29a of Directive 2013/34/EU over total assets covered by the KPI: For non-financial undertakings:	Value of exposures to financial and non-financial undertakings from non-EU countries not subject to Articles 19a and 29a of Directive 2013/34/EU: For non-financial undertakings: [monetary amount] For financial undertakings: [monetary amount]
For financial undertakings:	
The proportion of exposures to financial and non-financial undertakings subject to Articles 19a and 29a of Directive 2013/34/EU over total assets covered by the KPI:	Value of exposures to financial and non-financial undertakings subject to Articles 19a and 29a of Directive 2013/34/EU: For non-financial undertakings: [monetary amount] For financial undertakings: [monetary amount]
For non-financial undertakings:	
For financial undertakings:	Value of expecting to other counterparties:
The proportion of exposures to other counterparties over total assets covered by the KPI: X %	Value of exposures to other counterparties: [monetary amount]
The value of all the investments that are funding	Value of all of the investments that are funding
economic activities that are not taxonomy-eligible relative to the value of total assets covered by the KPI: X %	economic activities that are not taxonomy-eligible: [monetary amount]
The value of all the investments that are funding taxonomy-eligible economic activities, but not taxonomy-aligned relative to the value of total assets covered by the KPI:	Value of all the investments that are funding Taxonomy- eligible economic activities, but not taxonomy- aligned: [monetary amount]



Additiona	I, complementary disclosures: Breakdown of nu	imerator of the KDI
	ortion of Taxonomy-aligned exposures to	Value of Taxonomy-aligned exposures to financial and
	and non-financial undertakings subject to	non-financial undertakings subject to Articles 19a and
	and 29a of Directive 2013/34/EU over total	29a of Directive 2013/34/EU:
	vered by the KPI:	For non-financial undertakings:
assets cov	refea by the KPI.	Turnover-based: [monetary amount]
For non fi	nancial undertakings:	Capital expenditures-based: [monetary amount]
Turnover-	nancial undertakings:	
	penditures-based:	For financial undertakings:
	penditures-based: :ial undertakings:	Turnover-based: [monetary amount]
Turnover-	•	Capital expenditures-based: [monetary amount]
	penditures-based:	Value of toward and allowed and a sthere
	ortion of taxonomy-aligned exposures to	Value of taxonomy-aligned exposures to other
	nterparties in over total assets covered by	counterparties:
the KPI:		Turnover-based: [monetary amount]
T	hanad. 0/	Capital expenditures-based: [monetary amount]
Turnover-		
	penditures-based: %	
	n of the numerator of the KPI per environment	al objective
	y-aligned activities	
1.	Turnover:	Transitional activities:
Climate	REP_EU_TAXONOMY_AM_MITIGATION_ALI	REP_EU_TAXONOMY_AM_MITIGATION_ALIGNED_TR
Change	GNED_TURNOVER	ANSITION_TURNOVER
Mitigati	CapEx:	REP_EU_TAXONOMY_AM_MITIGATION_ALIGNED_TR
on	REP_EU_TAXONOMY_AM_MITIGATION_ALI	ANSITION_CAPEX
	GNED_CAPEX	Enabling activities:
		REP_EU_TAXONOMY_AM_MITIGATION_ALIGNED_EN
		ABLE_TURNOVER
		REP_EU_TAXONOMY_AM_MITIGATION_ALIGNED_EN
		ABLE_CAPEX
2.	Turnover:	Transitional activities:
Climate	REP_EU_TAXONOMY_AM_ADAPTATION_ALI	REP_EU_TAXONOMY_AM_ADAPTATION_ALIGNED_T
Change	GNED_TURNOVER	RANSITION_TURNOVER
Adapta	REP_EU_TAXONOMY_AM_ADAPTATION_ALI	REP_EU_TAXONOMY_AM_ADAPTATION_ALIGNED_T
tion	GNED_CAPEX	RANSITION_CAPEX
		Enabling activities:
		REP_EU_TAXONOMY_AM_ADAPTATION_ALIGNED_E
		NABLE_TURNOVER
		REP_EU_TAXONOMY_AM_ADAPTATION_ALIGNED_E
		NABLE_CAPEX
3. The	Turnover:	Transitional activities:
sustain	REP_EU_TAXONOMY_AM_WATER_ALIGNED	REP_EU_TAXONOMY_AM_WATER_ALIGNED_TRANSI
able	_TURNOVER	TION_TURNOVER
use and	CapEx:	REP_EU_TAXONOMY_AM_WATER_ALIGNED_TRANSI
protecti	REP_EU_TAXONOMY_AM_WATER_ALIGNED	TION_CAPEX
on of	_CAPEX	Enabling activities:
water		REP_EU_TAXONOMY_AM_WATER_ALIGNED_ENABLE
and		_TURNOVER
marine		REP_EU_TAXONOMY_AM_WATER_ALIGNED_ENABLE
resourc		_CAPEX
es		_CAPEX



Taxonom	Taxonomy-aligned activities			
4. The	Turnover:	Transitional activities:		
transiti	REP_EU_TAXONOMY_AM_CIRC_ECONOMY_	REP_EU_TAXONOMY_AM_CIRC_ECONOMY_ALIGNED		
on to a	ALIGNED TURNOVER	TRANSITION TURNOVER		
circular	CapEx:	REP_EU_TAXONOMY_AM_CIRC_ECONOMY_ALIGNED		
econo	REP_EU_TAXONOMY_AM_CIRC_ECONOMY_	_TRANSITION_CAPEX		
my	ALIGNED_CAPEX	Enabling activities:		
		REP_EU_TAXONOMY_AM_CIRC_ECONOMY_ALIGNED		
		_ENABLE_TURNOVER		
		REP_EU_TAXONOMY_AM_CIRC_ECONOMY_ALIGNED		
		_ENABLE_CAPEX		
5.	Turnover:	Transitional activities:		
Pollutio	REP_EU_TAXONOMY_AM_POLL_ALIGNED_T	REP_EU_TAXONOMY_AM_POLL_ALIGNED_TRANSITIO		
n	URNOVER	N_TURNOVER		
prevent	CapEx:	REP_EU_TAXONOMY_AM_POLL_ALIGNED_TRANSITIO		
ion and	REP_EU_TAXONOMY_AM_POLL_ALIGNED_C	N_CAPEX		
control	APEX	Enabling activities:		
		REP_EU_TAXONOMY_AM_POLL_ALIGNED_ENABLE_T		
		URNOVER		
		REP_EU_TAXONOMY_AM_POLL_ALIGNED_ENABLE_C		
		APEX		
6. The	Turnover:	Transitional activities:		
protecti	REP_EU_TAXONOMY_AM_BIODIV_ALIGNED	REP_EU_TAXONOMY_AM_BIODIV_ALIGNED_TRANSIT		
on and	_TURNOVER	ION_TURNOVER		
restora	CapEx:	REP_EU_TAXONOMY_AM_BIODIV_ALIGNED_TRANSIT		
tion of	REP_EU_TAXONOMY_AM_BIODIV_ALIGNED	ION_CAPEX		
biodive	_CAPEX	Enabling activities:		
rsity		REP_EU_TAXONOMY_AM_BIODIV_ALIGNED_ENABLE		
and .		_TURNOVER		
ecosyst		REP_EU_TAXONOMY_AM_BIODIV_ALIGNED_ENABLE		
ems		_CAPEX		



Table 4:

Annex VI: Template for the KPIs of credit institutions

Annex VIII: Template for the KPIs of investment firms

Annex X: Template for the KPIs of insurance and reinsurance undertakings

C	Climate Change Mitigation (CCM)					
	Taxonomy REP_EU_TAXONOMY_FIN_MITIGATION_ELIGIBLE_TURNOVER					
	Taxonomy REP_EU_TAXONOMY_FIN_MITIGATION_ALIGNED_TURNOVER					
		Transitional REP_EU_TAXONOMY_FIN_MITIGATION_ALIGNED_TR ANSITIONAL_TURNOVER	Enabling REP_EU_TAXONOMY_FIN_MITIGATION_ALIGNED _ENABLING_TURNOVER			

C	Climate Change Adaptation (CCA)					
	Taxonomy REP_EU_TAXONOMY_FIN_ADAPTATION_ELIGIBLE_TURNOVER					
	Taxonomy REP_EU_TAXONOMY_FIN_ADAPTATION_ALIGNED_TURNOVER					
		Transitional REP_EU_TAXONOMY_FIN_ADAPTATION_ALIGNED_T RANSITIONAL_TURNOVER	Enabling REP_EU_TAXONOMY_FIN_ADAPTATION_ALIGNED _ENABLING_TURNOVER			

Total (CCI	Total (CCM + CCA)				
Taxonomy REP_EU_TAXONOMY_FIN_TOTAL_ELIGIBLE_ASSETS_TURNOVER					
	Taxonomy		Aligned		
		Transitional	Enabling		



Table 5:Annex III Template 2: Taxonomy-aligned economic activities (denominator)

Row	Economic activities	CCM + CCA	Climate Change Mitigation (CCM)	Climate Change Adaptation (CCA)
1	Amount and proportion of taxonomy- aligned economic activity referred to in Section 4.26 of Annexes I and II to	REP_EU_TAXONOMY_ TOTAL_ELIGIBLE_ALIG NED_4_26_DENOM_T URNOVER	REP_EU_TAXONOMY _MITIGATION_ELIGIB LE_ALIGNED_4_26_D ENOM_TURNOVER	REP_EU_TAXONOM Y_ADAPTATION_ELI GIBLE_ALIGNED_4_ 26_DENOM_TURNO VER
	Delegated Regulation 2021/2139 in the denominator of the applicable KPI	REP_EU_TAXONOMY_ TOTAL_ELIGIBLE_ALIG NED_4_26_DENOM_C APEX	REP_EU_TAXONOMY _MITIGATION_ELIGIB LE_ALIGNED_4_26_D ENOM_CAPEX	REP_EU_TAXONOM Y_ADAPTATION_ELI GIBLE_ALIGNED_4_ 26_DENOM_CAPEX
2	Amount and proportion of taxonomy- aligned economic activity referred to in Section 4.27 of Annexes I and II to	REP_EU_TAXONOMY_ TOTAL_ELIGIBLE_ALIG NED_4_27_DENOM_T URNOVER	REP_EU_TAXONOMY _MITIGATION_ELIGIB LE_ALIGNED_4_27_D ENOM_TURNOVER	REP_EU_TAXONOM Y_ADAPTATION_ELI GIBLE_ALIGNED_4_ 27_DENOM_TURNO VER
2	Delegated Regulation 2021/2139 in the denominator of the applicable KPI	REP_EU_TAXONOMY_ TOTAL_ELIGIBLE_ALIG NED_4_27_DENOM_C APEX	REP_EU_TAXONOMY _MITIGATION_ELIGIB LE_ALIGNED_4_27_D ENOM_CAPEX	REP_EU_TAXONOM Y_ADAPTATION_ELI GIBLE_ALIGNED_4_ 27_DENOM_CAPEX
3	Amount and proportion of taxonomy- aligned economic activity referred to in Section 4.28 of Annexes I and II to Delegated Regulation 2021/2139 in the denominator of the applicable KPI	REP_EU_TAXONOMY_ TOTAL_ELIGIBLE_ALIG NED_4_28_DENOM_T URNOVER	REP_EU_TAXONOMY _MITIGATION_ELIGIB LE_ALIGNED_4_28_D ENOM_TURNOVER	REP_EU_TAXONOM Y_ADAPTATION_ELI GIBLE_ALIGNED_4_ 28_DENOM_TURNO VER
		REP_EU_TAXONOMY_ TOTAL_ELIGIBLE_ALIG NED_4_28_DENOM_C APEX	REP_EU_TAXONOMY _MITIGATION_ELIGIB LE_ALIGNED_4_28_D ENOM_CAPEX	REP_EU_TAXONOM Y_ADAPTATION_ELI GIBLE_ALIGNED_4_ 28_DENOM_CAPEX
4	Amount and proportion of taxonomy- aligned economic activity referred to in Section 4.29 of Annexes I and II to Delegated Regulation 2021/2139 in the denominator of the applicable KPI	REP_EU_TAXONOMY_ TOTAL_ELIGIBLE_ALIG NED_4_29_DENOM_T URNOVER	REP_EU_TAXONOMY _MITIGATION_ELIGIB LE_ALIGNED_4_29_D ENOM_TURNOVER	REP_EU_TAXONOM Y_ADAPTATION_ELI GIBLE_ALIGNED_4_ 29_DENOM_TURNO VER
4		REP_EU_TAXONOMY_ TOTAL_ELIGIBLE_ALIG NED_4_29_DENOM_C APEX	REP_EU_TAXONOMY _MITIGATION_ELIGIB LE_ALIGNED_4_29_D ENOM_CAPEX	REP_EU_TAXONOM Y_ADAPTATION_ELI GIBLE_ALIGNED_4_ 29_DENOM_CAPEX
5	Amount and proportion of taxonomy- aligned economic activity referred to in Section 4.30 of Annexes I and II to Delegated Regulation 2021/2139 in the	REP_EU_TAXONOMY_ TOTAL_ELIGIBLE_ALIG NED_4_30_DENOM_T URNOVER	REP_EU_TAXONOMY _MITIGATION_ELIGIB LE_ALIGNED_4_30_D ENOM_TURNOVER	REP_EU_TAXONOM Y_ADAPTATION_ELI GIBLE_ALIGNED_4_ 30_DENOM_TURNO VER



Row	Economic activities	CCM + CCA	Climate Change Mitigation (CCM)	Climate Change Adaptation (CCA)
	denominator of the applicable KPI	REP_EU_TAXONOMY_ TOTAL_ELIGIBLE_ALIG NED_4_30_DENOM_C APEX	REP_EU_TAXONOMY _MITIGATION_ELIGIB LE_ALIGNED_4_30_D ENOM_CAPEX	REP_EU_TAXONOM Y_ADAPTATION_ELI GIBLE_ALIGNED_4_ 30_DENOM_CAPEX
6	Amount and proportion of taxonomy- aligned economic activity referred to in Section 4.31 of Annexes I and II to Delegated Regulation 2021/2139 in the denominator of the applicable KPI	REP_EU_TAXONOMY_ TOTAL_ELIGIBLE_ALIG NED_4_31_DENOM_T URNOVER	REP_EU_TAXONOMY _MITIGATION_ELIGIB LE_ALIGNED_4_31_D ENOM_TURNOVER	REP_EU_TAXONOM Y_ADAPTATION_ELI GIBLE_ALIGNED_4_ 31_DENOM_TURNO VER
		REP_EU_TAXONOMY_ TOTAL_ELIGIBLE_ALIG NED_4_31_DENOM_C APEX	REP_EU_TAXONOMY _MITIGATION_ELIGIB LE_ALIGNED_4_31_D ENOM_CAPEX	REP_EU_TAXONOM Y_ADAPTATION_ELI GIBLE_ALIGNED_4_ 31_DENOM_CAPEX
7	Amount and proportion of other taxonomy-aligned economic activities not referred to in rows 1 to 6 above in the denominator of the applicable KPI	REP_EU_TAXONOMY_ TOTAL_OTHER_ELIGIBL E_ALIGNED_DENOM_T URNOVER	REP_EU_TAXONOM Y_MITIGATION_OTH ER_ELIGIBLE_ALIGNE D_DENOM_TURNOV ER	REP_EU_TAXONOM Y_ADAPTATION_OT HER_ELIGIBLE_ALIG NED_DENOM_TUR NOVER
,		REP_EU_TAXONOMY_ TOTAL_OTHER_ELIGIBL E_ALIGNED_DENOM_C APEX	REP_EU_TAXONOMY _MITIGATION_OTHE R_ELIGIBLE_ALIGNED _DENOM_CAPEX	REP_EU_TAXONOM Y_ADAPTATION_OT HER_ELIGIBLE_ALIG NED_DENOM_OPEX
8	Total applicable KPI			



Table 6:Annex III Template 3: Taxonomy-aligned economic activities (numerator)

Row	Economic activities	CCM + CCA	Climate Change Mitigation (CCM)	Climate Change Adaptation (CCA)
1	Amount and proportion of taxonomy- aligned economic activity referred to in Section 4.26 of Annexes I and II to	REP_EU_TAXONOMY_ TOTAL_ELIGIBLE_ALIG NED_4_26_NUMER_T URNOVER	REP_EU_TAXONOMY _MITIGATION_ELIGIB LE_ALIGNED_4_26_N UMER_TURNOVER	REP_EU_TAXONOM Y_ADAPTATION_ELI GIBLE_ALIGNED_4_ 26_NUMER_TURNO VER
_	Delegated Regulation 2021/2139 in the numerator of the applicable KPI	REP_EU_TAXONOMY_ TOTAL_ELIGIBLE_ALIG NED_4_26_NUMER_C APEX	REP_EU_TAXONOMY _MITIGATION_ELIGIB LE_ALIGNED_4_26_N UMER_CAPEX	REP_EU_TAXONOM Y_ADAPTATION_ELI GIBLE_ALIGNED_4_ 26_NUMER_CAPEX
2	Amount and proportion of taxonomy- aligned economic activity referred to in Section 4.27 of Annexes I and II to	REP_EU_TAXONOMY_ TOTAL_ELIGIBLE_ALIG NED_4_27_NUMER_T URNOVER	REP_EU_TAXONOMY _MITIGATION_ELIGIB LE_ALIGNED_4_27_N UMER_TURNOVER	REP_EU_TAXONOM Y_ADAPTATION_ELI GIBLE_ALIGNED_4_ 27_NUMER_TURNO VER
	Delegated Regulation 2021/2139 in the numerator of the applicable KPI	REP_EU_TAXONOMY_ TOTAL_ELIGIBLE_ALIG NED_4_27_NUMER_C APEX	REP_EU_TAXONOMY _MITIGATION_ELIGIB LE_ALIGNED_4_27_N UMER_CAPEX	REP_EU_TAXONOM Y_ADAPTATION_ELI GIBLE_ALIGNED_4_ 27_NUMER_CAPEX
3	Amount and proportion of taxonomy- aligned economic activity referred to in Section 4.28 of Annexes I and II to	REP_EU_TAXONOMY_ TOTAL_ELIGIBLE_ALIG NED_4_28_NUMER_T URNOVER	REP_EU_TAXONOMY _MITIGATION_ELIGIB LE_ALIGNED_4_28_N UMER_TURNOVER	REP_EU_TAXONOM Y_ADAPTATION_ELI GIBLE_ALIGNED_4_ 28_NUMER_TURNO VER
	Delegated Regulation 2021/2139 in the numerator of the applicable KPI	REP_EU_TAXONOMY_ TOTAL_ELIGIBLE_ALIG NED_4_28_NUMER_C APEX	REP_EU_TAXONOMY _MITIGATION_ELIGIB LE_ALIGNED_4_28_N UMER_CAPEX	REP_EU_TAXONOM Y_ADAPTATION_ELI GIBLE_ALIGNED_4_ 28_NUMER_CAPEX
4	Amount and proportion of taxonomy- aligned economic activity referred to in Section 4.29 of Annexes I and II to	REP_EU_TAXONOMY_ TOTAL_ELIGIBLE_ALIG NED_4_29_NUMER_T URNOVER	REP_EU_TAXONOMY _MITIGATION_ELIGIB LE_ALIGNED_4_29_N UMER_TURNOVER	REP_EU_TAXONOM Y_ADAPTATION_ELI GIBLE_ALIGNED_4_ 29_NUMER_TURNO VER
	Delegated Regulation 2021/2139 in the numerator of the applicable KPI	REP_EU_TAXONOMY_ TOTAL_ELIGIBLE_ALIG NED_4_29_NUMER_C APEX	REP_EU_TAXONOMY _MITIGATION_ELIGIB LE_ALIGNED_4_29_N UMER_CAPEX	REP_EU_TAXONOM Y_ADAPTATION_ELI GIBLE_ALIGNED_4_ 29_NUMER_CAPEX
5	Amount and proportion of taxonomy- aligned economic activity referred to in Section 4.30 of Annexes I and II to Delegated Regulation	REP_EU_TAXONOMY_ TOTAL_ELIGIBLE_ALIG NED_4_30_NUMER_T URNOVER	REP_EU_TAXONOMY _MITIGATION_ELIGIB LE_ALIGNED_4_30_N UMER_TURNOVER	REP_EU_TAXONOM Y_ADAPTATION_ELI GIBLE_ALIGNED_4_ 30_NUMER_TURNO VER



Row	Economic activities	CCM + CCA	Climate Change Mitigation (CCM)	Climate Change Adaptation (CCA)
	2021/2139 in the numerator of the applicable KPI	REP_EU_TAXONOMY_ TOTAL_ELIGIBLE_ALIG NED_4_30_NUMER_C APEX	REP_EU_TAXONOMY _MITIGATION_ELIGIB LE_ALIGNED_4_30_N UMER_CAPEX	REP_EU_TAXONOM Y_ADAPTATION_ELI GIBLE_ALIGNED_4_ 30_NUMER_CAPEX
6	Amount and proportion of taxonomy- aligned economic activity referred to in Section 4.31 of Annexes I and II to	REP_EU_TAXONOMY_ TOTAL_ELIGIBLE_ALIG NED_4_31_NUMER_T URNOVER	REP_EU_TAXONOMY _MITIGATION_ELIGIB LE_ALIGNED_4_31_N UMER_TURNOVER	REP_EU_TAXONOM Y_ADAPTATION_ELI GIBLE_ALIGNED_4_ 31_NUMER_TURNO VER
6	Delegated Regulation 2021/2139 in the numerator of the applicable KPI	REP_EU_TAXONOMY_ TOTAL_ELIGIBLE_ALIG NED_4_31_NUMER_C APEX	REP_EU_TAXONOMY _MITIGATION_ELIGIB LE_ALIGNED_4_31_N UMER_CAPEX	REP_EU_TAXONOM Y_ADAPTATION_ELI GIBLE_ALIGNED_4_ 31_NUMER_CAPEX
7	Amount and proportion of other taxonomy-aligned economic activities not	REP_EU_TAXONOMY_ TOTAL_OTHER_ELIGIBL E_ALIGNED_NUMER_T URNOVER	REP_EU_TAXONOM Y_MITIGATION_OTH ER_ELIGIBLE_ALIGNE D_NUMER_TURNOV ER	REP_EU_TAXONOM Y_ADAPTATION_OT HER_ELIGIBLE_ALIG NED_NUMER_TURN OVER
,	referred to in rows 1 to 6 above in the numerator of the applicable KPI	REP_EU_TAXONOMY_ TOTAL_OTHER_ELIGIBL E_ALIGNED_NUMER_C APEX	REP_EU_TAXONOMY _MITIGATION_OTHE R_ELIGIBLE_ALIGNED _NUMER_CAPEX	REP_EU_TAXONOM Y_ADAPTATION_OT HER_ELIGIBLE_ALIG NED_NUMER_OPEX
8	Total amount and proportion of taxonomy-aligned economic activities in the numerator of the applicable KPI			



Table 7:Annex III Template 4: Taxonomy-eligible but not taxonomy-aligned economic activities

Row	Economic activities	CCM + CCA	Climate Change Mitigation (CCM)	Climate Change Adaptation (CCA)
1	Amount and proportion of taxonomy- eligible but not taxonomy-aligned economic activity referred to in Section 4.26 of Annexes I and II to	REP_EU_TAXONOMY_ TOTAL_ELIGIBLE_NON _ALIGNED_4_26_DEN OM_TURNOVER	REP_EU_TAXONOM Y_MITIGATION_ELIGI BLE_NON_ALIGNED_ 4_26_DENOM_TURN OVER	REP_EU_TAXONO MY_ADAPTATION_E LIGIBLE_NON_ALIG NED_4_26_DENOM _TURNOVER
	Delegated Regulation 2021/2139 in the denominator of the applicable KPI	REP_EU_TAXONOMY_ TOTAL_ELIGIBLE_NON _ALIGNED_4_26_DEN OM_CAPEX	REP_EU_TAXONOMY _MITIGATION_ELIGIB LE_NON_ALIGNED_4 _26_DENOM_CAPEX	REP_EU_TAXONOM Y_ADAPTATION_ELI GIBLE_NON_ALIGN ED_4_26_DENOM_ CAPEX
2	Amount and proportion of taxonomy- eligible but not taxonomy-aligned economic activity referred to in Section 4.27 of Annexes I and II to	REP_EU_TAXONOMY_ TOTAL_ELIGIBLE_NON _ALIGNED_4_27_DEN OM_TURNOVER	REP_EU_TAXONOM Y_MITIGATION_ELIGI BLE_NON_ALIGNED_ 4_27_DENOM_TURN OVER	REP_EU_TAXONO MY_ADAPTATION_E LIGIBLE_NON_ALIG NED_4_27_DENOM _TURNOVER
2	Delegated Regulation 2021/2139 in the denominator of the applicable KPI	REP_EU_TAXONOMY_ TOTAL_ELIGIBLE_NON _ALIGNED_4_27_DEN OM_CAPEX	REP_EU_TAXONOMY _MITIGATION_ELIGIB LE_NON_ALIGNED_4 _27_DENOM_CAPEX	REP_EU_TAXONOM Y_ADAPTATION_ELI GIBLE_NON_ALIGN ED_4_27_DENOM_ CAPEX
3	Amount and proportion of taxonomy- eligible but not taxonomy-aligned economic activity referred to in Section 4.28 of Annexes I and II to	REP_EU_TAXONOMY_ TOTAL_ELIGIBLE_NON _ALIGNED_4_28_DEN OM_TURNOVER	REP_EU_TAXONOM Y_MITIGATION_ELIGI BLE_NON_ALIGNED_ 4_28_DENOM_TURN OVER	REP_EU_TAXONO MY_ADAPTATION_E LIGIBLE_NON_ALIG NED_4_28_DENOM _TURNOVER
	Delegated Regulation 2021/2139 in the denominator of the applicable KPI	REP_EU_TAXONOMY_ TOTAL_ELIGIBLE_NON _ALIGNED_4_28_DEN OM_CAPEX	REP_EU_TAXONOMY _MITIGATION_ELIGIB LE_NON_ALIGNED_4 _28_DENOM_CAPEX	REP_EU_TAXONOM Y_ADAPTATION_ELI GIBLE_NON_ALIGN ED_4_28_DENOM_ CAPEX
4	Amount and proportion of taxonomy- eligible but not taxonomy-aligned economic activity referred to in Section 4.29 of Annexes I and II to	REP_EU_TAXONOMY_ TOTAL_ELIGIBLE_NON _ALIGNED_4_29_DEN OM_TURNOVER	REP_EU_TAXONOM Y_MITIGATION_ELIGI BLE_NON_ALIGNED_ 4_29_DENOM_TURN OVER	REP_EU_TAXONO MY_ADAPTATION_E LIGIBLE_NON_ALIG NED_4_29_DENOM _TURNOVER
	Delegated Regulation 2021/2139 in the denominator of the applicable KPI	REP_EU_TAXONOMY_ TOTAL_ELIGIBLE_NON _ALIGNED_4_29_DEN OM_CAPEX	REP_EU_TAXONOMY _MITIGATION_ELIGIB LE_NON_ALIGNED_4 _29_DENOM_CAPEX	REP_EU_TAXONOM Y_ADAPTATION_ELI GIBLE_NON_ALIGN ED_4_29_DENOM_ CAPEX



Row	Economic activities	CCM + CCA	Climate Change Mitigation (CCM)	Climate Change Adaptation (CCA)
5	Amount and proportion of taxonomy- eligible but not taxonomy-aligned economic activity referred to in Section 4.30 of Annexes I and II to Delegated Regulation 2021/2139 in the denominator of the applicable KPI	REP_EU_TAXONOMY_ TOTAL_ELIGIBLE_NON _ALIGNED_4_30_DEN OM_TURNOVER	REP_EU_TAXONOM Y_MITIGATION_ELIGI BLE_NON_ALIGNED_ 4_30_DENOM_TURN OVER	REP_EU_TAXONO MY_ADAPTATION_E LIGIBLE_NON_ALIG NED_4_30_DENOM _TURNOVER
5		REP_EU_TAXONOMY_ TOTAL_ELIGIBLE_NON _ALIGNED_4_30_DEN OM_CAPEX	REP_EU_TAXONOMY _MITIGATION_ELIGIB LE_NON_ALIGNED_4 _30_DENOM_CAPEX	REP_EU_TAXONOM Y_ADAPTATION_ELI GIBLE_NON_ALIGN ED_4_30_DENOM_ CAPEX
6	Amount and proportion of taxonomy- eligible but not taxonomy-aligned economic activity referred to in Section 4.31 of Annexes I and II to	REP_EU_TAXONOMY_ TOTAL_ELIGIBLE_NON _ALIGNED_4_31_DEN OM_TURNOVER	REP_EU_TAXONOM Y_MITIGATION_ELIGI BLE_NON_ALIGNED_ 4_31_DENOM_TURN OVER	REP_EU_TAXONO MY_ADAPTATION_E LIGIBLE_NON_ALIG NED_4_31_DENOM _TURNOVER
	Delegated Regulation 2021/2139 in the denominator of the applicable KPI	REP_EU_TAXONOMY_ TOTAL_ELIGIBLE_NON _ALIGNED_4_31_DEN OM_CAPEX	REP_EU_TAXONOMY _MITIGATION_ELIGIB LE_NON_ALIGNED_4 _31_DENOM_CAPEX	REP_EU_TAXONOM Y_ADAPTATION_ELI GIBLE_NON_ALIGN ED_4_31_DENOM_ CAPEX
7	Amount and proportion of other taxonomy-eligible but not taxonomy-aligned economic activities not referred to in rows 1 to 6 above in the denominator of	REP_EU_TAXONOMY_ TOTAL_OTHER_ELIGIBL E_NON_ALIGNED_DEN OM_TURNOVER REP_EU_TAXONOMY_ TOTAL_OTHER_ELIGIBL	REP_EU_TAXONOMY _MITIGATION_OTHE R_ELIGIBLE_NON_AL IGNED_DENOM_TUR NOVER REP_EU_TAXONOMY _MITIGATION_OTHE	REP_EU_TAXONO MY_ADAPTATION_ OTHER_ELIGIBLE_N ON_ALIGNED_DEN OM_TURNOVER REP_EU_TAXONOM Y_ADAPTATION_OT
	the applicable KPI	E_NON_ALIGNED_DEN OM_CAPEX	R_ELIGIBLE_NON_AL IGNED_DENOM_CAP EX	HER_ELIGIBLE_NON _ALIGNED_DENOM _CAPEX
8	Total amount and proportion of taxonomy eligible but not taxonomy- aligned economic activities in the denominator of the applicable KPI			



 Table 8

 Annex III Template 5: Taxonomy non-eligible economic activities

Row	Economic activities	Factor
1	Amount and proportion of economic activity referred to in row 1 of Template 1 that is taxonomy-non-eligible in accordance with Section 4.26 of Annexes I and II to Delegated Regulation 2021/2139 in the denominator of the applicable KPI	REP_EU_TAXONOMY_NON_ELIGIBLE_4_26_DENOM_TURNOVER REP_EU_TAXONOMY_NON_ELIGIBLE_4_26_DENOM_CAPEX
2	Amount and proportion of economic activity referred to in row 2 of Template 1 that is taxonomy-non-eligible in accordance with Section 4.27 of Annexes I and II to Delegated Regulation 2021/2139 in the denominator of the applicable KPI	REP_EU_TAXONOMY_NON_ELIGIBLE_4_27_DENOM_TURNOVER REP_EU_TAXONOMY_NON_ELIGIBLE_4_27_DENOM_CAPEX
3	Amount and proportion of economic activity referred to in row 3 of Template 1 that is taxonomy-non-eligible in accordance with Section 4.28 of Annexes I and II to Delegated Regulation 2021/2139 in the denominator of the applicable KPI	REP_EU_TAXONOMY_NON_ELIGIBLE_4_28_DENOM_TURNOVER REP_EU_TAXONOMY_NON_ELIGIBLE_4_28_DENOM_CAPEX
4	Amount and proportion of economic activity referred to in row 4 of Template 1 that is taxonomy-non-eligible in accordance with Section 4.29 of Annexes I and II to Delegated Regulation 2021/2139 in the denominator of the applicable KPI	REP_EU_TAXONOMY_NON_ELIGIBLE_4_29_DENOM_TURNOVER REP_EU_TAXONOMY_NON_ELIGIBLE_4_29_DENOM_CAPEX
5	Amount and proportion of economic activity referred to in row 5 of Template 1 that is taxonomy-non-eligible in accordance with Section 4.30 of Annexes I and II to Delegated Regulation 2021/2139 in the denominator of the applicable KPI	REP_EU_TAXONOMY_NON_ELIGIBLE_4_30_DENOM_TURNOVER REP_EU_TAXONOMY_NON_ELIGIBLE_4_30_DENOM_CAPEX
6	Amount and proportion of economic activity referred to in row 6 of Template 1 that is taxonomy-non-eligible in accordance with Section 4.31 of Annexes I and II to Delegated Regulation 2021/2139 in the denominator of the applicable KPI	REP_EU_TAXONOMY_NON_ELIGIBLE_4_31_DENOM_TURNOVER REP_EU_TAXONOMY_NON_ELIGIBLE_4_31_DENOM_CAPEX
7	Amount and proportion of other taxonomy-non-eligible economic activities not referred to in rows 1 to 6 above in the denominator of the applicable KPI	REP_EU_TAXONOMY_NON_ELIGIBLE_DENOM_TURNOVER REP_EU_TAXONOMY_NON_ELIGIBLE_DENOM_CAPEX



Row	Economic activities	Factor
	Total amount and proportion of	
0	taxonomy-non-eligible economic	
0	activities in the denominator of the	
	applicable KPI'	



Appendix 2: Company mapping example

Below, you can find an example with data for a company (Acciona S.A) for FY2022 and how MSCI metrics can be used to interpret the taxonomy information reported by the company in its annual report. The table also shows the relevant section of the reporting template in which the information is reported.

Exhibit 6: EU Taxonomy Reporting - Acciona S.A

ACCIONA: APPENDICE	S																
About this report 189 Sco	pe		nition naterial cs 19		Annex of itemized indicators		02		env	evani irom cato	enta		200	GRI table cont			212
TURNOVER				SUBST	RIA FOR ANTIAL RIBUTION	OF:	SIGNI DES N	FICAI NOT (THE A NT HA CAUS HARM	ARM E	NCE						
BUSINESS ACTIVITIES	Codes	Absolute turnover (€)	Proportion of tumover (%)	Mitigation of climate change (%)	Adaptation to climate change (%)	Mitigation of climate change (Y/N)	Adaptation to climate change (Y/N)	Water and marine resources (Y/N)	Circular economy (Y/N)	Pollution (Y /N)	Biodiversity and ecosystems (Y/N)	Minimum safeguards (Y/N)	Proportion of taxonomy-compliant turnover (%) 2022	Proportion of taxonomy-compliant turnover (%) 2021	Category (facilitator action) (F)	Category (transition action) (T)	
Installation, maintenance and repair of renewable energy technologies	7.6	1,248,207	0.01%	0.01%	0.00%	Y	Y	Y	Y	Y	Y	Y	0.02%	0.20%	F		
Professional services related to the energy efficiency of buildings	9.3	64,579,392	0.58%	0.58%	0.00%	Y	Y	Y	Y	Y	Y	Y	1.13%	0.26%	F		
Turnover of environmentally sustainable activities (Taxonomy-aligned) (A.1)		4,432,480,127	39.59%	39.59%	0.00%								77.46%	54.98%			

Source: Acciona S.A data, Annual Report 2022 pages 204-211, as of Aug 31, 2023



TURNOVER				CRITER SUBSTA CONTR		OF S	SIGNI DES N	FOR T FICAN NOT C ANT H	IT HA	RM	VCE					
BUSINESS ACTIVITIES	Codes	Absolute turnover $(\boldsymbol{\epsilon})$	Proportion of turnover (%)	Mitgation of climate change (%)	Adaptation to climate change (%)	Mitigation of climate change (Y /N)	Adaptation to climate change (Y/N)	Water and marine resources (Y/N)	Circular economy (Y/N)	Pollution (Y/N)	Biodiversity and ecosystems (Y/N)	Minimum safeguards (Y/N)	Proportion of taxonomy-compliant turnover (%) 2022	Proportion of taxonomy-compliant turnover (%) 2021	Category (facilitator action) (F)	Category (transition action) (T)
Acquisition and ownership of buildings	7.7	1,323,705	0.01%													
Turnover of taxonomy- eligible but not environmentally sustainable activities (not aligned with taxonomy) (A.2)		1,289,575,411	11.52%										22.54%	45.02%		
TOTAL (A1 + A2)		5,722,055,538	51.11%										100%	100%		_
B. TAXONOMY NON-ELIGIBLE ACTIVITIES																
Turnover of taxonomy- non-eligible activities (B)		5,473,042,597	48.89%													
TOTAL (A + B)		11,195,098,134	100%													

Table of contents of spanish law 11/2018 218 Table of contents according to the exposure drafts on european sustainability reporting standards published in november 2022 (ESRS) 221

Table of contents according to the recommendations of the task force on climate-related financial disclosures (TCFD) 224

Independent verification

224

CapEx	CRITERI SUBSTA CONTRI	CRITERIA FOR THE ABSENCE OF SIGNIFICANT HARM ("DOES NOT CAUSE SIGNIFICANT HARM")													
BUSINESS ACTIVITIES	Codes	Absolute CapEx (€)	Proportion of CapEx (%)	Mitgation of climate change (%)	Adaptation to climate change (%)	Mitigation of climate change (Y /N)	Adaptation to climate change (Y/N)	Water and marine resources (Y/N)	Circular economy (Y/N)	Pollution (Y/N)	Biodiversity and ecosystems (Y/N)	Minimum safeguards (Y/N)	Proportion of taxonomy-compliant CapEx (%) 2022	Proportion of taxonomy-compliant CapEx (%) 2021	Category (facilitator action) (F) Category (transition action) (T)
CapEx for sustainable environmental activities (taxonomy-compliant) (A.1)		1,837,799,425	84.54%	84.54%	0.00%								97.96%	93.15%	

Source: Acciona S.A, Annual Report 2022 pages 204-211_as of Aug 31, 2023



CapEx				CRITER SUBSTA CONTR		OF:	TERIA SIGNI OES N	FICAI NOT (NT HA	E	NCE					
BUSINESS ACTIVITIES	Codes	Ab solute CapEx (€)	Proportion of CapEx (%)	Mitigation of climate change (96)	Adaptation to climate change (%)	Mitigation of climate change (Y/N)	Adaptation to climate change (Y/N)	Water and marine resources (Y/N)	Circular economy (Y/N)	Pollution (Y/N)	Biodiversity and ecosystems (Y/N)	Minimum safeguards (Y/N)	Proportion of taxonomy -compliant CapEx (%) 2022	Proportion of taxonomy-compliant CapEx (%) 2021	Category (facilitator action) (F)	Category (transition action) (T)
Infrastructure allowing low-carbon road and public transport	6.15	21,103,731	0.97%													
Construction of new buildings	7.1	2,288,053	0.11%													
Refurbishment of existing buildings	7.2	26,201	0.00%													
Acquisition and ownership of buildings	7.7	240,968	0.01%													
Research, development and innovation close to the market	9.1	1,904,248	0.09%													
CapEx for taxonomy- eligible activities but not environmentally sustainable (not compliant with taxonomy) (A.2)		38,229,628	1.76%										2.04%	6.85%		
TOTAL (A.1 + A.2)		1,876,029,053	86.29%										100%	100%		
B. TAXONOMY NON-ELIG	BLE	ACTIVITIES														
CapEx for taxonomy non-eligible activities (B)		297,948,357	13.71%													
Total (A + B)		2,173,977,410	100%													

Source: Acciona S.A data, Annual Report 2022 pages 204-211, MSCI ESG Research LLC, as of Aug 31, 2023

Exhibit 7: Mapping example of MSCI metrics to EU Taxonomy reporting templates - Acciona S.A

MSCI Metric	% Reported Value of Total	Non-financial template section
REP_EU_TAXONOMY_CAPEX_ELIGIBLE	86,29	A.1 + A.2
REP_EU_TAXONOMY_CAPEX_NON_ELIGIBLE	13,71	В
REP_EU_TAXONOMY_CAPEX_MITIGATION_ALIGNED	84,54	A.1
REP_EU_TAXONOMY_REV_ELIGIBLE	51,11	A.1 + A.2
REP_EU_TAXONOMY_REV_NON_ELIGIBLE	48,89	В
REP_EU_TAXONOMY_REVENUE_ALIGNED	39,59	A.1
REP_EU_TAXONOMY_MITIGATION_ALIGNED	39,59	A.1
REP_EU_TAXONOMY_CAPEX_ADAPT_ALIGNED	0,00	A.1



MSCI Metric	% Reported Value of Total	Non-financial template section
REP_EU_TAXONOMY_ADAPT_ALIGNED	0,00	A.1



Appendix 3: Acronyms

CCA	Climate Change Adaptation
ССМ	Climate Change Mitigation
DNSH	Do No Significant Harm
NACE	Nomenclature of Economic Activities
NFRD	Non-Financial Reporting Directive
PIE	Public Interest Entity
SFDR	Sustainable Finance Disclosure Regulation
TSC	Technical Screening Criteria



Contact us

msci.com/contact-us

AMERICAS

Americas	1 888 588 4567 *
Atlanta	+ 1 404 551 3212
Boston	+ 1 617 532 0920
Chicago	+ 1 312 675 0545
Monterrey	+ 52 81 1253 4020
New York	+ 1 212 804 3901
San Francisco	+ 1 415 836 8800
São Paulo	+ 55 11 3706 1360
Toronto	+ 1 416 628 1007

EUROPE, MIDDLE EAST & AFRICA

Cape Town + 27 21 673 0100 Frankfurt + 49 69 133 859 00 Geneva + 41 22 817 9777 London + 44 20 7618 2222 Milan + 39 02 5849 0415 Paris 0800 91 59 17 *

ASIA PACIFIC

China North 10800 852 1032 * China South 10800 152 1032 * Hong Kong +852 2844 9333 Mumbai + 91 22 6784 9160 00798 8521 3392 * Seoul 800 852 3749 * Singapore Sydney +61 2 9033 9333 Taipei 008 0112 7513 *

Thailand 0018 0015 6207 7181 *

Tokyo + 81 3 5290 1555

About MSCI

MSCI is a leading provider of critical decision support tools and services for the global investment community. With over 50 years of expertise in research, data and technology, we power better investment decisions by enabling clients to understand and analyze key drivers of risk and return and confidently build more effective portfolios. We create industry-leading researchenhanced solutions that clients use to gain insight into and improve transparency across the investment process.

To learn more, please visit www.msci.com.

^{*} toll-free



Notice and disclaimer

This document and all of the information contained in it, including without limitation all text, data, graphs, charts (collectively, the "Information") is the property of MSCI Inc. or its subsidiaries (collectively, "MSCI"), or MSCI's licensors, direct or indirect suppliers or any third party involved in making or compiling any Information (collectively, with MSCI, the "Information Providers") and is provided for informational purposes only. The Information may not be modified, reverse-engineered, reproduced or redisseminated in whole or in part without prior written permission from MSCI. All rights in the Information are reserved by MSCI and/or its Information Providers.

The Information may not be used to create derivative works or to verify or correct other data or information. For example (but without limitation), the Information may not be used to create indexes, databases, risk models, analytics, software, or in connection with the issuing, offering, sponsoring, managing or marketing of any securities, portfolios, financial products or other investment vehicles utilizing or based on, linked to, tracking or otherwise derived from the Information or any other MSCI data, information, products or services.

The user of the Information assumes the entire risk of any use it may make or permit to be made of the Information. NONE OF THE INFORMATION PROVIDERS MAKES ANY EXPRESS OR IMPLIED WARRANTIES OR REPRESENTATIONS WITH RESPECT TO THE INFORMATION (OR THE RESULTS TO BE OBTAINED BY THE USE THEREOF), AND TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, EACH INFORMATION PROVIDER EXPRESSLY DISCLAIMS ALL IMPLIED WARRANTIES (INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTIES OF ORIGINALITY, ACCURACY, TIMELINESS, NON-INFRINGEMENT, COMPLETENESS, MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE) WITH RESPECT TO ANY OF THE INFORMATION.

Without limiting any of the foregoing and to the maximum extent permitted by applicable law, in no event shall any Information Provider have any liability regarding any of the Information for any direct, indirect, special, punitive, consequential (including lost profits) or any other damages even if notified of the possibility of such damages. The foregoing shall not exclude or limit any liability that may not by applicable law be excluded or limited, including without limitation (as applicable), any liability for death or personal injury to the extent that such injury results from the negligence or willful default of itself, its servants, agents or sub-contractors.

Information containing any historical information, data or analysis should not be taken as an indication or guarantee of any future performance, analysis, forecast or prediction. Past performance does not guarantee future results.

The Information should not be relied on and is not a substitute for the skill, judgment and experience of the user, its management, employees, advisors and/or clients when making investment and other business decisions. All Information is impersonal and not tailored to the needs of any person, entity or group of persons.

None of the Information constitutes an offer to sell (or a solicitation of an offer to buy), any security, financial product or other investment vehicle or any trading strategy.

It is not possible to invest directly in an index. Exposure to an asset class or trading strategy or other category represented by an index is only available through third party investable instruments (if any) based on that index. MSCI does not issue, sponsor, endorse, market, offer, review or otherwise express any opinion regarding any fund, ETF, derivative or other security, investment, financial product or trading strategy that is based on, linked to or seeks to provide an investment return related to the performance of any MSCI index (collectively, "Index Linked Investments"). MSCI makes no assurance that any Index Linked Investments will accurately track index performance or provide positive investment returns. MSCI Inc. is not an investment adviser or fiduciary and MSCI makes no representation regarding the advisability of investing in any Index Linked Investments.

Index returns do not represent the results of actual trading of investible assets/securities. MSCI maintains and calculates indexes, but does not manage actual assets. Index returns do not reflect payment of any sales charges or fees an investor may pay to purchase the securities underlying the index or Index Linked Investments. The imposition of these fees and charges would cause the performance of an Index Linked Investment to be different than the MSCI index performance.

The Information may contain back tested data. Back-tested performance is not actual performance, but is hypothetical. There are frequently material differences between back tested performance results and actual results subsequently achieved by any investment strategy.

Constituents of MSCI equity indexes are listed companies, which are included in or excluded from the indexes according to the application of the relevant index methodologies. Accordingly, constituents in MSCI equity indexes may include MSCI Inc., clients of MSCI or suppliers to MSCI. Inclusion of a security within an MSCI index is not a recommendation by MSCI to buy, sell, or hold such security, nor is it considered to be investment advice.

Data and information produced by various affiliates of MSCI Inc., including MSCI ESG Research LLC and Barra LLC, may be used in calculating certain MSCI indexes. More information can be found in the relevant index methodologies on www.msci.com.

MSCI receives compensation in connection with licensing its indexes to third parties. MSCI Inc.'s turnover includes fees based on assets in Index Linked Investments. Information can be found in MSCI Inc.'s company filings on the Investor Relations section of www.msci.com.

MSCI ESG Research LLC is a Registered Investment Adviser under the Investment Advisers Act of 1940 and a subsidiary of MSCI Inc. Except with respect to any applicable products or services from MSCI ESG Research, neither MSCI nor any of its products or services recommends, endorses, approves or otherwise expresses any opinion regarding any issuer, securities, financial products or instruments or trading strategies and MSCI's products or services are not intended to constitute investment advice or a recommendation to make (or refrain from making) any kind of investment decision and may not be relied on as such. Issuers mentioned or included in any MSCI ESG Research materials may include MSCI Inc., clients of MSCI or suppliers to MSCI, and may also purchase research or other products or services from MSCI ESG Research. MSCI ESG Research materials, including materials utilized in any MSCI ESG Indexes or other products, have not been submitted to, nor received approval from, the United States Securities and Exchange Commission or any other regulatory body.

Any use of or access to products, services or information of MSCI requires a license from MSCI. MSCI, Barra, RiskMetrics, IPD and other MSCI brands and product names are the trademarks, service marks, or registered trademarks of MSCI or its subsidiaries in the United States and other jurisdictions. The Global Industry Classification Standard (GICS) was developed by and is the exclusive property of MSCI and S&P Global Market Intelligence. "Global Industry Classification Standard (GICS)" is a service mark of MSCI and S&P Global Market Intelligence.

MIFID2/MIFIR notice: MSCI ESG Research LLC does not distribute or act as an intermediary for financial instruments or structured deposits, nor does it deal on its own account, provide execution services for others or manage client accounts. No MSCI ESG Research product or service supports, promotes or is intended to support or promote any such activity. MSCI ESG Research is an independent provider of ESG data, reports and ratings based on published methodologies and available to clients on a subscription basis.

Privacy notice: For information about how MSCI collects and uses personal data, please refer to our Privacy Notice at https://www.msci.com/privacy-pledge.