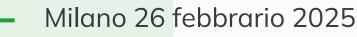


New Business Opportunities: ENGAGE in the Sustainable Finance Reform and the Green ABS Deals











The EU Taxonomy: impact on lenders

Lucia Alessi, European Commission JRC





The EU Taxonomy: impact on lenders

Lucia Alessi

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European Commission – Joint Research Centre

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1. EU TAXONOMY

A common classification of economic activities contributing to climate and environmental objectives.

- Taxonomy Regulation: applies since July 2020
- Climate Delegated Act and Disclosures Delegated Act apply since January 2022
- Complementary Climate Delegated Act applies since January 2023
- Environmental Delegated Act adopted by the Commission in June 2023, applies since January 2024





3. TOOLS

Broad toolbox for companies, market participants and financial intermediaries to develop sustainable investment solutions, while preventing greenwashing.

- EU Climate Benchmarks Regulation applies since April 2020
- Regulation for a EU Green Bond Standard (EUGBS), applies since Decem 2024

Comprehensive disclosure regime for both non-financial and financial institutions to provide investors with the information necessary to make sustainable investment choices.

2. DISCLOSURES

- Benchmark ESG disclosures apply since April 2020
- Sustainable Finance Disclosure Regulation (SFDR) applies since March 2021
- Sustainability preferences apply since August 2022
- Corporate Sustainability Reporting Directive (CSRD): first companies report for financial year 2024

ESG ratings provide an assessment about the ESG characteristics, exposures to ESG risks or impacts of an entity, a financial instrument or a financial product.

Regulation on ESG ratings providers

EU Taxonomy – defining sustainable



A classification system

Provides clarity on what is an environmentally sustainable activity and under which circumstances.



A measuring tool

Measures the degree of sustainability of an investment and the degree of green activities of companies



A transition tool

Helps investors and companies to plan and report on the transition. It sets the objectives and the direction of travel for different economic activities.

What the EU Taxonomy is **not**:



- It's not a mandatory list to invest in
- It does not make any judgement on the financial performance of an investment
- What's not green is not necessarily brown



6 environmental interlinked objectives

CLIMATE CHANGE

OTHER OBJECTIVES

Mitigation

Adaptation

First Technical Screening Criteria in the Climate DA (2021) and Complementary DA (2022) Transition to a **circular economy**

Pollution prevention and control

Sustainable use and protection of water and marine resources

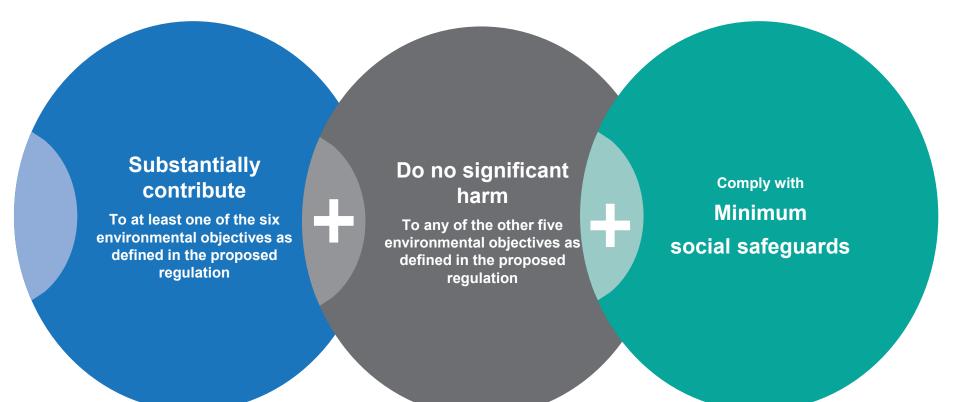
Protection and restoration of **biodiversity & ecosystems**

Environmental DA (2023)



Basic conditions

Activities are green if they...

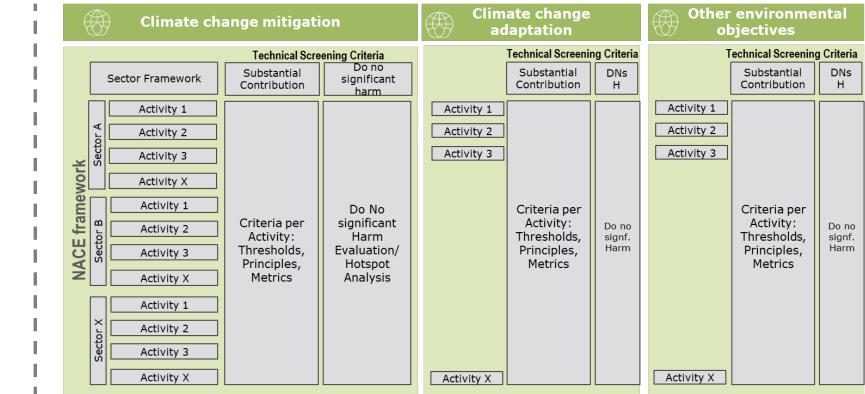


Comply with quantitative or qualitative **Technical Screening Criteria**

UN Guiding Principles and OECD Guidelines



The EU taxonomy – what it looks like





Progressive development of activities

Construction of new buildings

SUBSTANTIAL CONTRIBUTION	Climate change 10% better tha		Shortened from Climate D (illustrative example only)				
	Climate change adaptation	Water and marine resources	Circular economy	Pollution preventio control	n and	Biodiversity and ecosystems	
DO NO SIGNIFICANT HARM CRITERIA	- Performing a robust climate risk and vulnerability assessment	- Thresholds for max water use for water appliances (not for residential RE)	- At least 70% of construction and demolition waste is prepared for reuse/recycling	- No polluting substances a in relevant E (e.g. mercur formaldehyd	as listed U laws y,	 Performing an environmental IA, implementing required measures No construction on fertile soil No destruction of forests No destruction of habitats of endangered species 	

Renovation of existing buildings

SUBSTANTIAL CONTRIBUTION	Climate change At lest 30% imp	e mitigation provement in energ	Shortened from Climate DA (illustrative example only)				
	Climate change adaptation	Water and marine resources	Circular economy	Pollution preventio control	n and	Biodiversity and ecosystems	
DO NO SIGNIFICANT HARM CRITERIA	 Performing a robust climate risk and vulnerability assessment 	- Thresholds for max water use for water appliances (not for residential RE)	- At least 70% of construction and demolition waste is prepared for reuse/recycling	- No pollutin substances in relevant E (e.g. mercur formaldehyd	as listed U laws y,	NA	

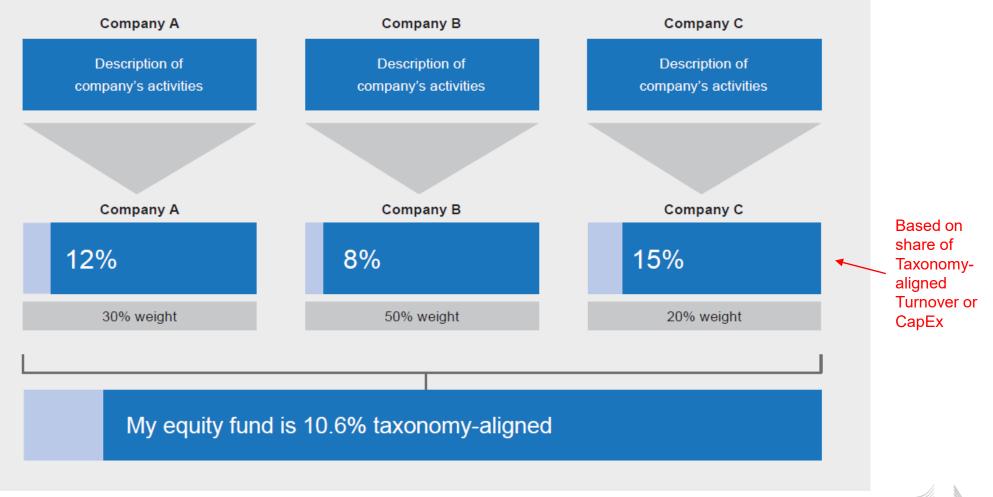
Acquisition and ownership of buildings

	Climate chang	e mitigation			Shortened from Climate D				
SUBSTANTIAL CONTRIBUTION		nance Certificate of the national o	(illustrative example only)						
	Climate change adaptation	Water and marine resources	Circular economy	Pollution prevention control		Biodiversity and ecosystems			
DO NO SIGNIFICANT HARM CRITERIA	- Performing a robust climate risk and vulnerability assessment	NA	NA	NA		NA			

Acquisition and ownership of buildings

	Climate cha	nge adaptation		Shortened from Climate D				
SUBSTANTIAL CONTRIBUTION	•	solutions are imple ate risk and vulner	(illustrative example only)					
	Climate change mitigation	e Water and marine resources	Circular economy	Pollution prevention control		Biodiversity and ecosystems		
DO NO SIGNIFICANT HARM CRITERIA	 EPC C at least of the top 30% of the building store NZEB or better buildings built a of 2021 	of :k for	NA	NA		NA		

The Taxonomy-alignment of a financial portfolio





Banks' Green Asset Ratio (GAR)

Proportion of the bank's assets invested in Taxonomy-aligned economic activities as a share of total assets (except sovereign exposures)

Breakdown based on the objective, type of counterparty, transitional and enabling activities

Mortgages, renovation loans and car loans included.

Exposures to **SMEs and non-EU** counterparties excluded from the numerator

Green bonds included in the numerator (but not green loans to SMEs) based on their Taxonomy-alignment

Financial institutions can disclose **voluntary KPIs** including (estimates of) exposures to sovereigns, SMEs, non-EU



Schedule of disclosures – Climate

	2022*	2023	2024	2025
Corporates (NFRD)				
Investment firms				
Asset managers			***	
Insurers	KPI Underwriting			
	KPI Assets		***	
Credit institutions	Main GAR			
	Additional KPIs**		***	

*Entry into force: 1 January 2022, reporting based on previous FY e.g. 2021 data for 2022 reporting **Trading book and Fees and Commissions delayed to 2026 ***Reporting for financial holdings may only account eligible data from previous FY, aligned in 2025

Taxonomy-eligible data

Taxonomy-aligned data

Mix according to holdings



Schedule of disclosures – Environment

	2024*	2025	2026	2027
Corporates				
Investment firms				
Asset managers			***	
Insurers	KPI Underwriting			
	KPI Assets		***	
Credit institutions	Main GAR			
	Additional KPIs**		***	

*Entry into force: 1 January 2024, reporting based on previous FY e.g. 2023 data for 2024 reporting **Trading book and Fees and Commissions KPIs apply as of 2026

***Reporting for financial holdings may only account KPIs data from previous FY, alignment reporting in 2027

Taxonomy-eligible data
Taxonomy-aligned data
Mix according to holdings



Thank you

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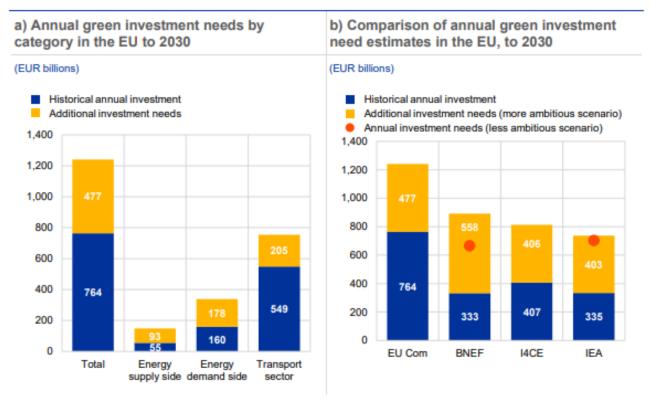
The ENGAGE for ESG initiative



E ENGAGE for ESG initiative

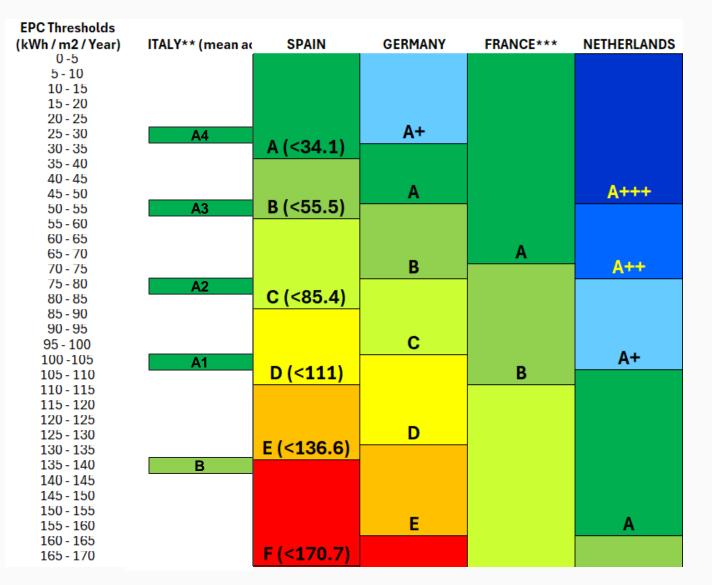
Chart 1

Green investment need estimates in the EU



Sources: European Commission (2023a), IEA (2024), BNEF (2024), Institute for Climate Economics (2024) and ECB calculations. Notes: The additional annual investment estimates reflect the needs to 2030, in addition to past investment, to achieve the Green Deal targets for 2030. Total green investment needs are the sum of the historical and additional investments in the EU. Panel a) shows the green investment needs estimates of the European Commission. Historical investments refer to the period 2011-20. Panel b) shows the annual estimates of green investment needs of various institutions to 2030. Historical investment refers to annual averages: European Commission (2011-20), BNEF (2023), I4CE (2022) and IEA (2021-23). The IEA and BNEF estimates are adjusted for fossil fuel investments. For Bloomberg, the historical investment figure pertains to the EU-27 countries, whereas the estimates for additional investment needs include the EU-27 as well as Norway and Switzerland, as no EU average was available. The BNEF and IEA estimates in the more ambitious Net Zero Scenario are compared with the less ambitious scenario: the Economic Transition Scenario for BNEF and the Announced Pledged Scenario for the IEA. See also footnote 6.

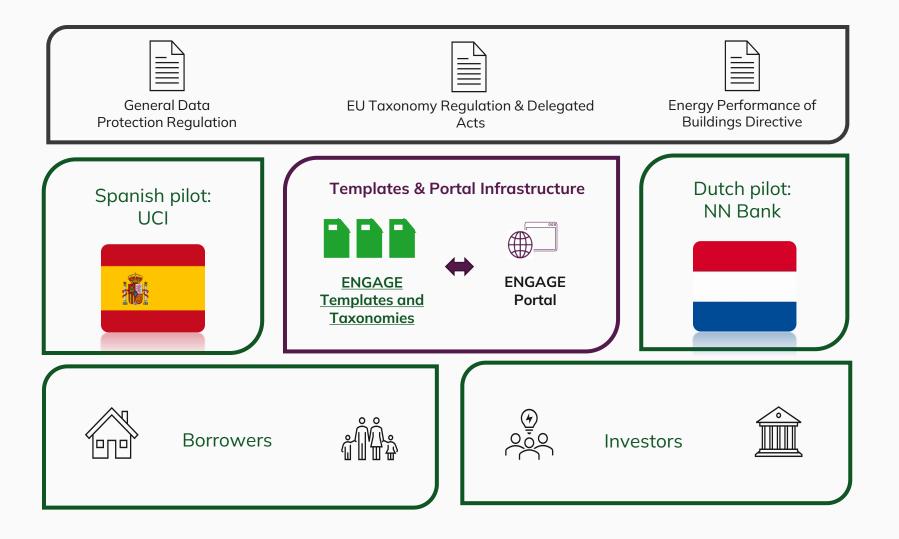
E EPC Discrepancies Across Europe



E ENGAGE for ESG initiative description

Two main pillars:

- 1. A **template** for real estate data encompassing key EU sustainable finance disclosure requirements;
- 2. A **portal** to assess EU Taxonomy alignment.



Building block 1 created

Building block 2 under construction

c 2 N Building block 1

> Building block 2

- Current ESMA underlying exposures for residential mortgages (Annex 2) and consumer loans (Annex 6)
 - Compliance with the EU Taxonomy Regulation for:
 - a)Mortgages for the acquisition of new buildings and existing buildings;
- Building b)Loans for the renovation of existing buildings.
 - European Investment Bank information requirements (Green Eligibility Checker) to capture funds from green financing programs for the financing of the renovation wave.

Building block 0

						ND Optio BUILDING	ns for the BLOCK 0	ND Options for the BUILDING BLOCK 1		
BUILDING BLOCK	TEMPLATE CATEGORY	SECTION	FIELD CODE	FIELD NAME	CONTENT TO REPORT	ND1-ND4 allowe	ND5 allowed	ND1-ND7 ND5 allowed allowed	FORMAT	Building block 0: Minimum level of fields for mortgages
0	ESMA_ANNEX 2: RRE	Underlying exposures inf	ormation secti	on						
0	ESMA _ANNEX 2: RRE	Underlying exposures inf	RREL1	Unique Identifier	The unique identifier of the transaction. For securitised pool, please use the unique identifier assigned by the reporting entity in accordance with Article 11(1) of Delegated Regulation (EU)/ [include number of the disclosure RTS]. For not securitised pool, please use the unique identifier code that you have received from the ENGAGE platform when you have registered your transaction	NO	NO		{ALPHANUM-28}	Y
0	ESMA _ANNEX 2: RRE	Underlying exposures inf	RREL2		Unique underlying exposure identifier. The identifier must be different from any external identification number, to ensure anonymity of the obligor. The reporting entity must not amend this unique identifier.	NO	NO		{ALPHANUM-1000}	Y
0	ESMA _ANNEX 2: RRE	Underlying exposures inf	RREL3	New Underlying Exposure Identifier	If the original identifier in field RREL2 cannot be maintained in this field enter the new identifier here. If there has been no change in the identifier, enter the same identifier as in RREL2. The reporting entity must not amend this unique identifier.	NO	NO		{ALPHANUM-1000}	Y
0	ESMA _ANNEX 2: RRE	Underlying exposures inf	RREL4	Original Obligor Identifier	Original unique obligor identifier. The identifier must be different from any external identification number, in order to ensure anonymity of the obligor. The reporting entity must not amend this unique identifier.	NO	NO		{ALPHANUM-1000}	Y
0	ESMA _ANNEX 2: RRE	Underlying exposures inf	RREL5	New Obligor Identifier	If the original identifier in field RREL4 cannot be maintained in this field enter the new identifier here. If there has been no change in the identifier, enter the same identifier as in RREL4. The reporting entity must not amend this unique identifier.	NO	NO		{ALPHANUM-1000}	Y
0	ESMA _ANNEX 2: RRE	Underlying exposures inf	RREL6	Data Cut-Off Date	The data cut-off date for this data submission.	NO	NO		{DATEFORMAT}	Y
0	ESMA _ANNEX 2: RRE	Underlying exposures inf	RREL7	Pool Addition Date	The date that the underlying exposure was transferred into the portfolio. For all underlying exposures in the pool as at the cut-off date in the first report submitted to the securitisation repository, if this information is not available enter the later of: (i) the closing date of the securitisation, and (ii) the origination date of the underlying exposure.	NO	YES		{DATEFORMAT}	

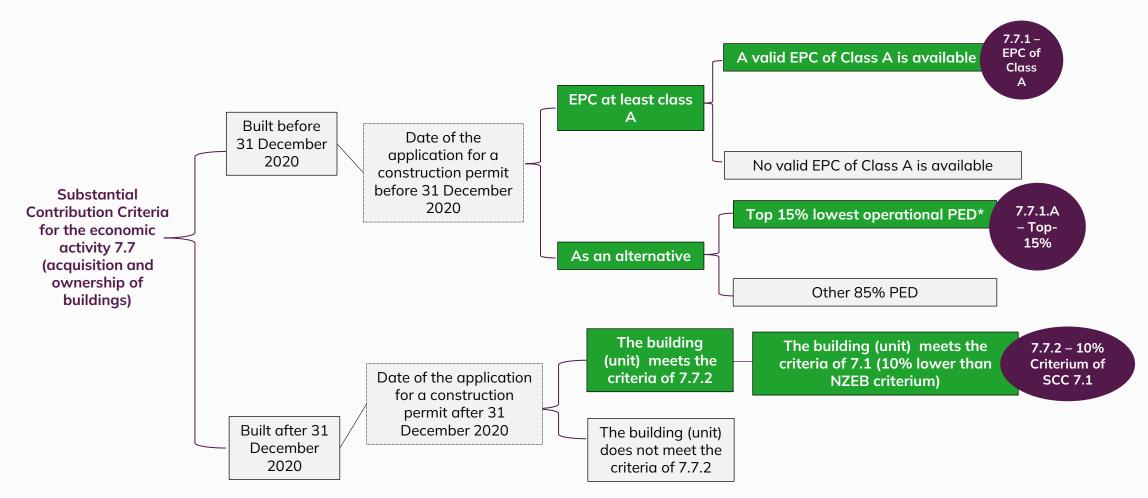
Building block 1

							ND Optio BUILDING	ons for the BLOCK 0	ND Optio BUILDING			
	TEMPLATE CATEGORY	SECTION	FIELD CODE	FIELD NAME	CONTENT TO REPORT		ND1-ND4 allowe(ND5 allowed _w	ND1-ND7 allowed	ND5 allowed 🚽	FORMAT	Building block 0: Minimum level of fields for mortgages
1	ENG Annex 2: RRE Add- on	ENGAGE Additional Colla	teral-level info	ormation section		Ĺ						
1	ENG Annex 2: RRE Add- on	Economic Activity information	EREC1	Unique Identifier	Report the same unique identifier here as the one entered into field RREL1.				NO	NO	{ALPHANUM-28}	
1	ENG Annex 2: RRE Add- on	Economic Activity information	EREC2	Underlying Exposure Identifier Building block 0	Unique identifier for each underlying exposure. This must match field RREL3.				YES	YES	{ALPHANUM-1000}	
1	ENG Annex 2: RRE Add- on	Economic Activity information	EREC3	Collateral Identifier Building block 0	Unique identifier for each collateral. This must match field RREC3.				YES	YES	{ALPHANUM-1000}	
1	ENG Annex 2: RRE Add- on	Economic Activity information	EREC4	General Activity Designation	Enter the activity designation: - Construction of a new building (CNNB) - Acquisition and ownership of building (AAOB) - Renovation of existing building (ROEB) - Acquisition and ownership of buildings + renovation (AOBR) - One or more Renovation Measures (REMO)				YES	YES	{LIST}	
1	ENG Annex 2: RRE Add- on	Building information	EREC5		Construction year of the building or apartment as per the cadastral or other relevant documentation				YES	YES	{YEAR}	
					As described in "Commission Notice on the interpretation and implementation of certain legal provisions of the EU Taxonomy Climate Delegated Act							

Building block 1 – Alignment with EU Climate Delegate Act

Building block	< 1: Field Optio	nal for the cal	culation of:							Legenda for Y means op N means no	
Section 3.1	Section 3.5	Section 7.1	Section 7.2	Section 7.3	Section 7.6	Section 7.7.1 - EPC class A	Section 7.7.1 - Top 15%	Section 7.7.2 or 7.1 - PED 10% lower NZEB	Minimum Safeguards	T	•
								,			
Ν	Ν	Ν	Ν	Ν	Ν	Ν	Ν	N			
N	N	N	N	N	N	Ν	Ν	Ν			
N	Ν	Ν	Ν	Ν	N	Ν	Ν	Ν			
Y	Y	Ν	Y	Y	у	Ν	N	Ν			

E The ENGAGE Templates: decision tree



The EU Taxonomy is the common denominator of many sustainable finance regulations

E ENGAGE: EU Taxonomy alignment report

	θE															
Portfolio Name Portfolio Date (DD-MM-YY)	Example Portfolio 2024 01-08-2024															
Total # of Loans Total # of Building Units Total Balance TSC passed %	1300 1100 €444,600,000.00 0.00%			TSC asse									TSC pass To	tal Postfolio		
				150 asse	ssment"								150 pass to	tal Portiolio		
Section Economic Activity	Subsection		CC (check passed)	DNSH* (check)			TSC Passed (SCC +			SCC (check pass			DNSH (check) pass	sed	TSC Passed (SCC +	
		# of loans # of Bu	uilding Units Balance	# of loans # of Building Units	Balance	# of loans	# of Building Units	Balance	% of all loans	% of total Building u	% of total Balance	% of total loans	% of total Building u	r % of total Balance	% of total loans % of total Building	ur % of total Balance
7.1 Construction of new buildings																
7.2(1)	Major Renovations							1								
Popoyotion of existing building																
7.2(2)	Energy Demand															
Installation, maintenance and																
7.3 repair of energy efficiency																
equipment	_															
Installation, maintenance and repair of charging stations for																
7.4 electric vehicles in buildings (a	nd															
parking spaces attached to																
buildings)	_															
Installation, maintenance and																
7.5 devices for measuring,																
regulation and controlling ener	gy															
performance of buildings																
Installation, maintenance and																
7.6 repair of renewable energy																
technologies																
	Buildings built before 31															
7.7(4)	December 2020: building															
7.7(1)	has at least an Energy Performance Certificate															
Acquisition and ownership of	(EPC) class A.															
buildings	Buildings built before 31															
7.7(1a)	December 2020 - Alternative: building is															
	within Top 15%															
7.7(2)	Buildings built after 31															
	December 2020		I		I			1		I						
Total																

* If there are multiple checks under this criteria we display the aggregate result of the applicable underlying checks.

** Failed at least one of the underlying check or no data was present to accuratly assess the criteria of the relevant economic activity

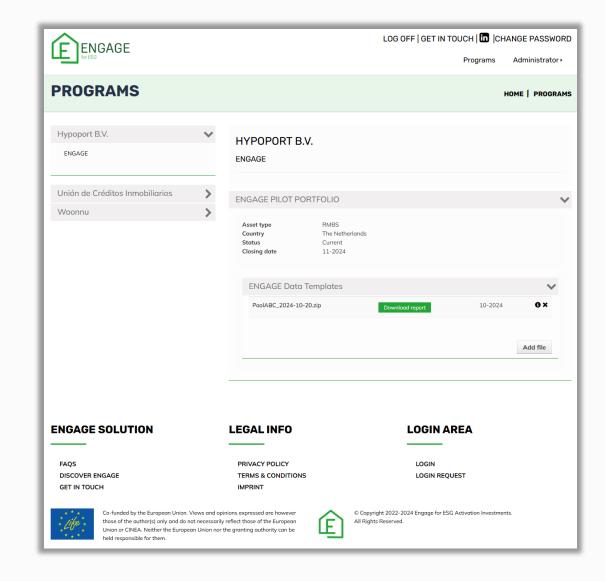
First overview of the ENGAGE – EU Taxonomy alignment report. Portraying a breakdown of Technical Screening Criteria assessment as per economic (sub) activity

ENGAGE: EU Taxonomy alignment report

for ESG	GE																		
ortfolio Name Iortfolio Date (DD-MM-YY)	Example Portfolio 2024 01-08-2024																		
tal # of Loans tal # of Building Units tal Balance	1300 1100 €444,600,000.00																		
C passed %	50.94%					TSC asse	essment*								TSC pass Tot	al Portfolio			
tion Economic Activity Subsection		SCC (check passed) # of loans # of Building Units Balance			Building Units Balance			TSC Passed (SCC + DNSH)		SCC (check passed)			DNSH (check) passed			TSC Passed (SCC + DNSH) % of total loans % of total Building y% of total E			
		# of loans	# of Building Units	Balance	# of loans	# of Building Unit	s Balance	# of loans	# of Building Units	Balance	% of all loans	% of total Building u	% of total Balance	% of total loans	% of total Building i	% of total Balance	% of total loans	% of total Building	9% of total Ba
7(1)	Buildings built before 31 December 2020: building has at least an Energy Performance Certificate (EPC) class A.	460	411	€133,400,000.00	414	370	€120,060,000.00	411	363	€119,190,000.00	35.38%	37.36%	30%	31.85%	33.64%	27%	31.62%	33.00%	27%
Acquisition and ownership of buildings (1a)	Buildings built before 31 December 2020 - Alternative: building is within Top 15%	392	301	€113,680,000.00	353	271	€102,370,000.00	349	301	€101,210,000.00	30.15%	27.36%	26%	27.15%	24.64%	23%	26.85%	27.36%	23%
(/)	Buildings built after 31 December 2020	23	22	€6,670,000.00	21	20	€6,090,000.00	21	22	€6,090,000.00	1.77%	2.00%	2%	1.62%	1.82%	1%	1.62%	2.00%	1%
.7(2)																			

E The ENGAGE Portal

- The ENGAGE Portal will enable lending institutions to **upload and assess the alignment of their loan portfolios with the EU Taxonomy**.
- The Portal incorporates detailed **loan** and **collateral level checks**.
- Access to multiple stakeholders (internal reporting, rating agencies, investors, regulatory supervisors, etc.) upon invitation.
- The ENGAGE Portal will enable users to assess multiple portfolios based on the EU Taxonomy.
- The Portal output is twofold:
 - 1. The data quality feedback;
 - 2. The EU Taxonomy alignment report.
- **Trial access** available subject to a standard legal arrangement (available upon request).





V. Become a trial user & upcoming ENGAGE events



Benefits of the ENGAGE for ESG solution

The ENGAGE Templates are an **add-on to the existing disclosure requirements** under the Securitisation Regulation (ESMA Templates).

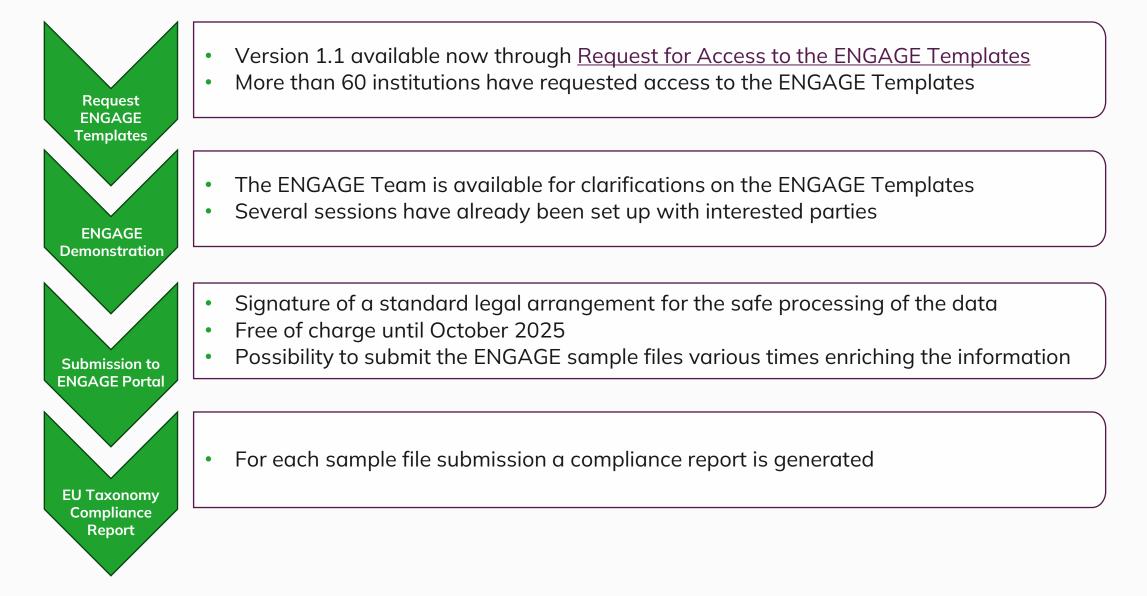
The ENGAGE Templates expect to be a one-size-fit all solution that **minimises the reporting burden** of lending institutions. The ENGAGE Templates can be used for portfolios of loans and different funding structures (e.g., securitisations, covered bonds).

Proportionality: where information is not available, the ENGAGE Templates provide with the possibility to use "no data" options.

The ENGAGE Portal **does not require any IT implementation** by lending institutions. The **ENGAGE team support**s test users through the data extraction process, with data enrichment and data quality checks.

The use of the ENGAGE solution is **free of charge until October 2025**.

ENGAGE trial period open until October 2025



E Upcoming Events

Upcoming In-Person Events:

- Outvie Securitisation Event Amsterdam, 25 March
- <u>Sustainable Finance conference</u> Athens, 27 March
- ENGAGE In-Person Event Madrid, 7 May

2025 ENGAGE Webinar Series:

- Session II: Omnibus Special 13 March at 16:00 CET
- Session III: The ENGAGE Portal Launch 27 March at 15:00 CET, which will feature Sergio Mayordomo (Banco de España research department) on his work and papers currently being prepared. Sergio is the latest addition to the ENGAGE Expert Group.



Register here: 2025 ENGAGE Webinar Series Session II: Omnibus Special – ENGAGE4ESG



Contact us



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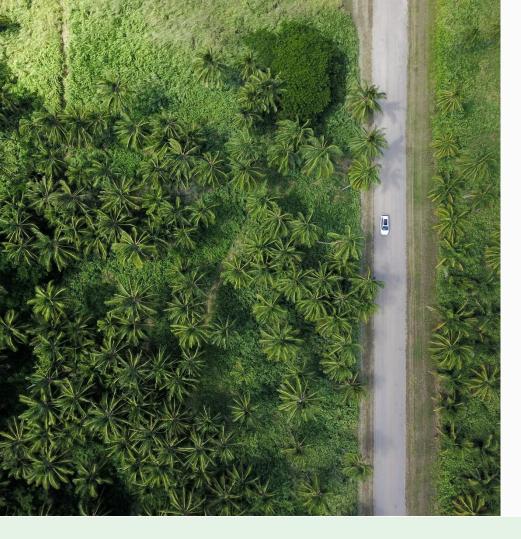


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Website: engage4esg.eurodw.eu/

Social Media:

https://www.linkedin.com/company/engage-for-esg-activationinvestments/



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