

# **VIRTUAL CLIENT UPDATE**

25 APRIL 2024





#### AT TODAY'S UPDATE



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#### AGENDA

- WELCOME & INTRODUCTION
- "WIND OF CHANGE" POLITICAL PERSPECTIVES ON SECURITISATION
- EDW CORPORATE UPDATE AND Q1 RECAP
- **PRODUCT UPDATE AND NEW FEATURES**
- UPDATE ON DATA QUALITY
- SUSTAINABLE FINANCE PROJECTS: ENGAGE FOR ESG & GREEN AUTO SECURITISATION
- Q&A, CLOSING REMARKS

# "WIND OF CHANGE" - NEW PERSPECTIVES ON SECURITISATION



#### **EUROPE'S SECURITISATION MARKET GAINS SUPPORT (1)**

A Kantian shift for the capital markets	union	<mark>banken</mark> verband	
Speech by Christine Lagarde, President of the the European Banking Congress	ECB, at		
Frankfurt am Main, 17 November 2023			
In 1844, the American poet Ralph Waldo Emerson observed that "ra a magician's rod in its power to evoke the sleeping energies of land [1]		Position paper of the Association of German	Banks on securitisations
A genuine CMU would mean building a sufficiently large securit allowing banks to transfer some risk to investors, release capita		9 April 2024	Nicole Quade Director Telephone: +49 30 1663-2130
additional lending. In the United States, banks have access to a market that is three times the size of Europe's. This could be ev powerful in our bank-based financial system.	se Marian Eu	curitisation process, particularly for secur ansformation. Isolated measures will not l rercome the challenges expected from the ying the foundations today, so we can ma uropean markets need to be taken into ac	a comprehensive evaluation of the entire itisations of portfolios which could be useful for the boost the securitisation market. In order to be able to a sustainable and digital transformation, we should be take a contribution tomorrow. The specifics of the count when doing so. The securitisation process must need to fall and processes need to be optimised.
	MAR	KET	
	CREED CECURITY COURADITY		

#### SPEED, SECURITY, SOLIDARITY

Securitization: Securitization acts as a unique link between credit and capital markets. In this sense, the securitization market offers significant potential. Increasing its utilization brings two key benefits: i) broadening and diversifying the pool of assets available for investment, and ii) unlocking banks' balance sheet capacity to facilitate additional financing. Moreover, the adoption of green securitization, whether through securitizing green assets or directing securitization proceeds towards green financing, holds promise as a significant contributor to the transition towards sustainability. Therefore, we advocate for reforms in the European securitization framework to enhance its accessibility and effectiveness.



#### **EUROPE'S SECURITISATION MARKET GAINS SUPPORT (2)**



#### 3. Bold and decisive action is essential to revive the securitisation market

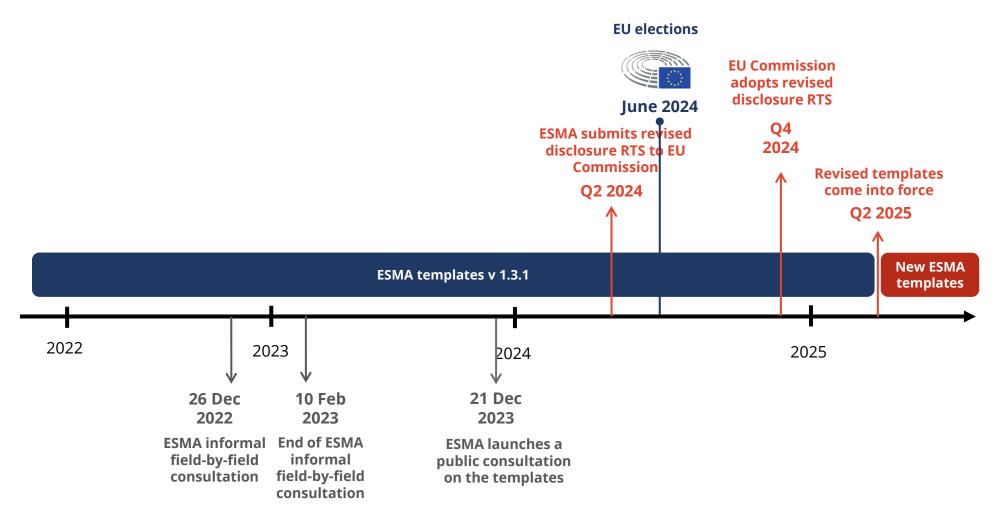
3.1 Securitisation is an essential tool for the efficient allocation of risk, which remains largely underexploited in Europe

3.2 The first priority is to quickly adjust the regulatory and prudential framework for securitisation

3.3 In addition to these regulatory and prudential measure, a securitisation platform could be a powerful tool to deepen EU capital markets

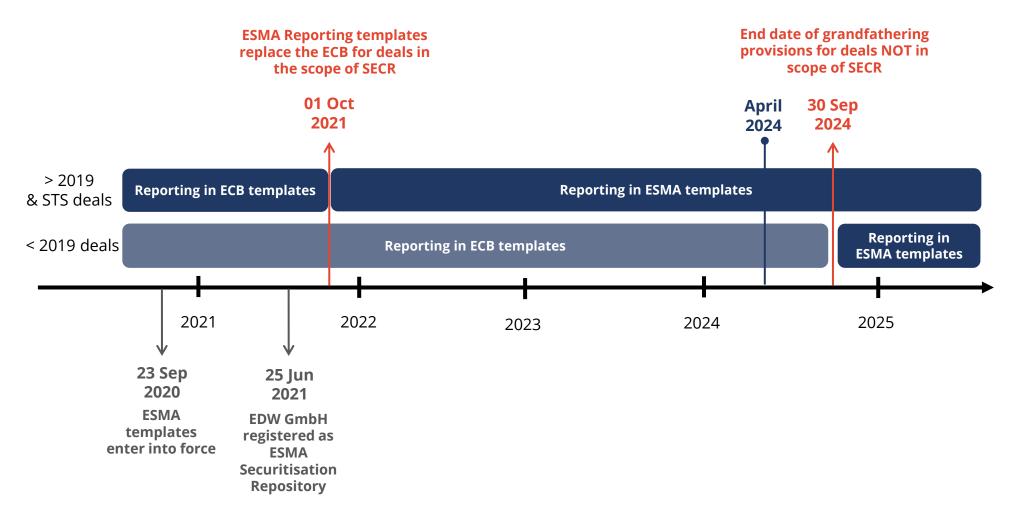
https://www.tresor.economie.gouv.fr/Articles/2024/04/25/developing-european-capital-markets-to-finance-the-future

#### **ESMA'S REVIEW OF THE LOAN-LEVEL SECURITISATION DISCLOSURE TEMPLATES**





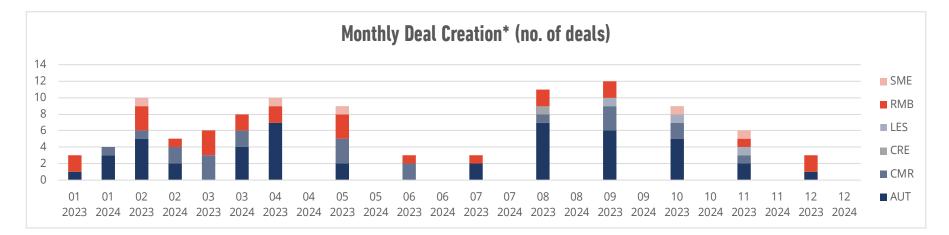
#### **CHANGES TO THE EUROSYSTEM'S LOAN-LEVEL DATA REQUIREMENTS**

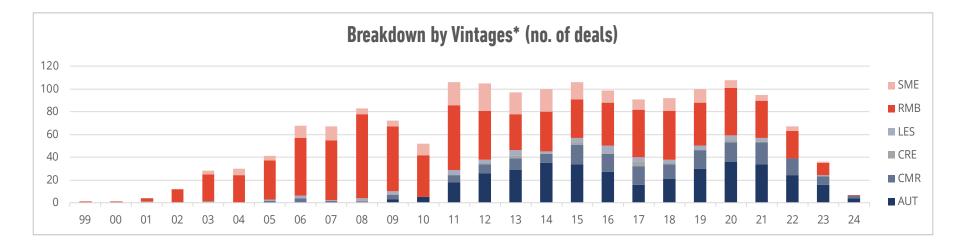


Source: Timeline is based on the information provided in the ECB press release as of 28 June 2021

## EDW CORPORATE UPDATE AND Q1 RECAP

#### DATASET COMPOSITION AS OF 31 MAR 2024

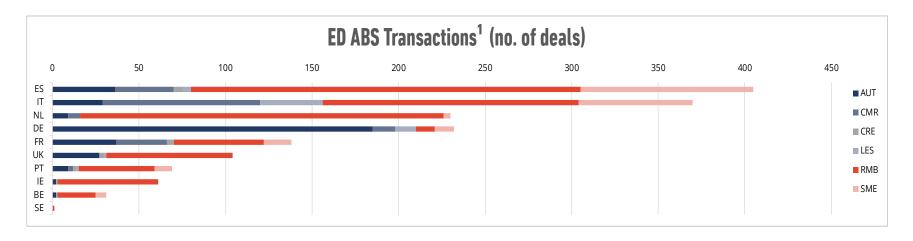


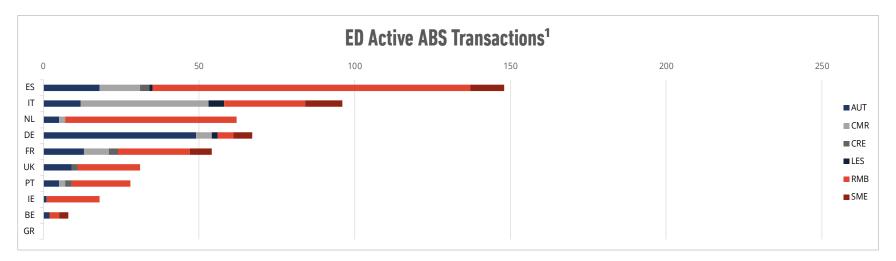


Source: European DataWarehouse



#### DATASET COMPOSITION AS OF 31 MAR 2024



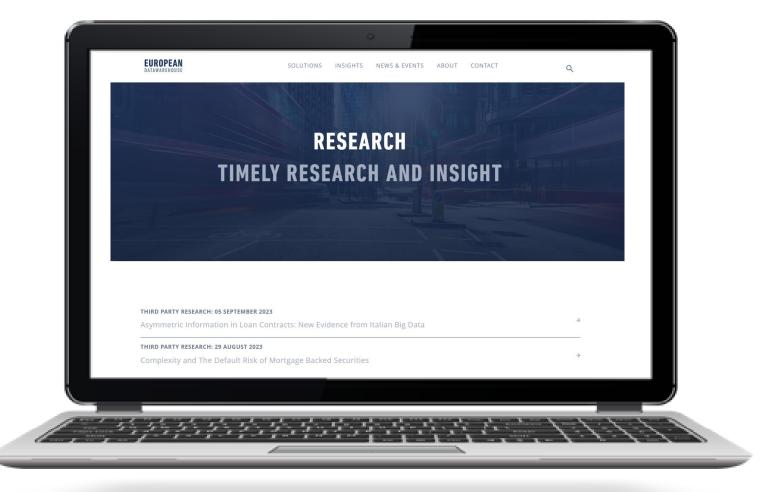


<sup>1</sup> Austria, Norway, Finland and Luxembourg are not included in the chart



#### **RESEARCH SECTION**

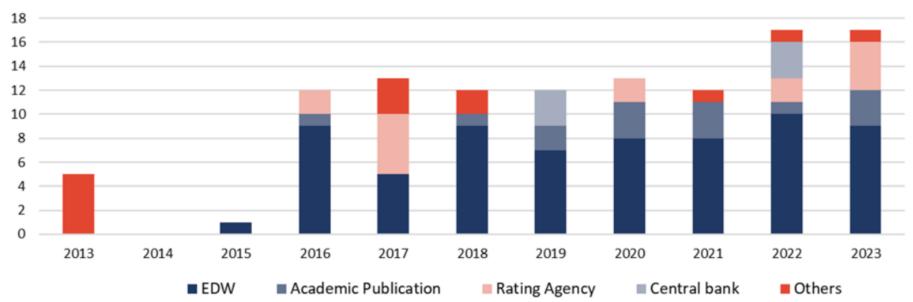
#### Our own publications, plus third-party research https://eurodw.eu/knowledge/research/



https://eurodw.eu/knowledge/magazine//

#### **BLOG ON PUBLICATIONS INVENTORY (1)**

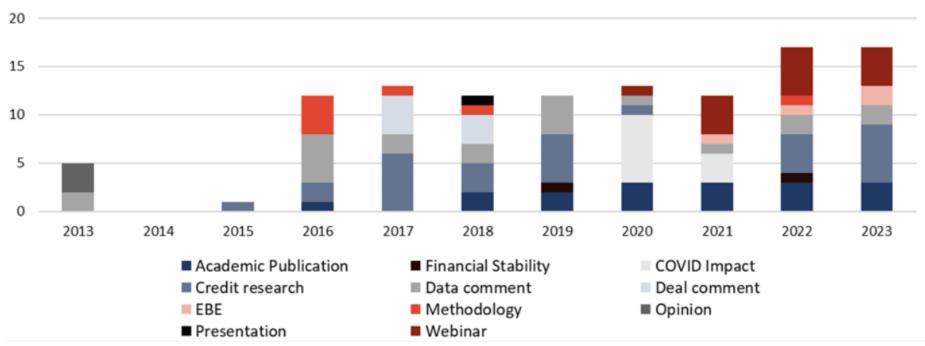
EDW Publication Inventory - Showcasing Loan-Level Insight Beyond the Field of Securitisation - European DataWarehouse (eurodw.eu)



#### **Publications By Source**

#### **BLOG ON PUBLICATIONS INVENTORY (2)**

EDW Publication Inventory - Showcasing Loan-Level Insight Beyond the Field of Securitisation - European DataWarehouse (eurodw.eu)



#### Publications By Type/Topic



#### **EUROPEAN BENCHMARKING EXERCISE – UPDATED REPORT ON PRIVATE DEALS**

The 5<sup>th</sup> update of the European Benchmarking Exercise is a joint publication from AFME, TSI and EDW

EBE\_2023-H1\_Report\_20240311.pdf (eurodw.eu)



#### **EBE HIGHLIGHTS – UPDATED REPORT ON PRIVATE DEALS**

		2023-06	2022-12	2022-06	2021-12	2021-06	Δ <sub>P</sub>	Δ
Number of Participants	#	12	12	12	12	12	0.0%	0.0%
Number of Commitments	#	610	556	525	527	504	9.7%	10.5%
Committed Amount	Million EUR	78,590	73,182	67,241	65,064	62,814	7.4%	12.6%
Funded Amount	Million EUR	57,748	60,502	56,400	53,009	50,205	-4.6%	7.5%
Utilisation		73.5%	82.7%	83.9%	81.5%	80.0%	-11.1%	-4.1%
Total Asset Amount	Million EUR	184,765	184,159	183,326	173,016	177,329	0.3%	2.1%
Estimated Market Size	Million EUR	209,400	195,669	194,784	183,830	188,412	7.0%	5.6%
Number of Transactions	#	443	433	412	387	404	2.3%	4.8%

 $\Delta$ =annualised growth rate,  $\Delta$ P=growth in last period



#### **EDW – UPCOMING EVENTS**

Date	
15 May 2024	2024 Portuguese Securitisation Event – Lisbon
22 May 2024	2024 UK Securitisation Event – London
28 May 2024	Q2 Research Update Webinar
29 May 2024	Webinar Series: ENGAGE Templates – Technical Session III
25 June 2024	Webinar Series: ENGAGE Templates – Technical Session IV
24 Sep 2024	Q3 Research Update Webinar
15 Oct 2024	EDW's 2024 Autumn Virtual Update
29 Oct 2024	2024 Dutch Securitisation Event – Amsterdam
05 Nov 2024	2024 Spanish Securitisation Event – Madrid
06 Nov 2024	2024 UK Securitisation Summit – with London Stock Exchange Group (LSEG)
12 Nov 2024	2024 German Securitisation Event – Frankfurt
12 Nov 2024	Securitisation Workshop – with Leibniz Institute for Financial Research SAFE
12 Dec 2024	Q4 Research Update Webinar

## PRODUCT UPDATE AND NEW FEATURES



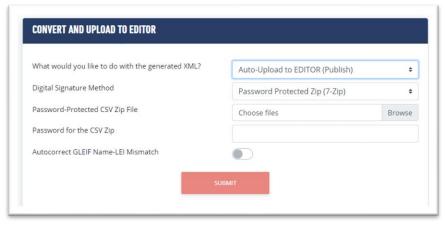
#### **PRODUCT HIGHLIGHTS – DATA OWNERS / DATA PROVIDERS**

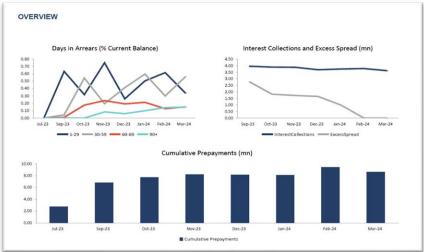
#### **CSV2XML** Converter

- 7-zip password protected file support (*in addition to Digital Signatures*)
- Direct push of converted XMLs to EDITOR
- Support for Reserve Bank of Australia Excel to ESMA XML

#### **EDITOR**

- Enhanced document upload experience no naming conventions and easy categorisation
- New Executive Summary page for Deal Reports







#### **PRODUCT HIGHLIGHTS – DATA USERS**

#### **EDW Convenience Pack**

- Data Push Service
  - Create a portfolio of deals
  - Choose the data and format (e.g. Loan templates in CSV)
  - Choose delivery frequency and destination (email / SFTP)
- Access to EDW Deal Reports through EDITOR and SFTP
  - Aggregates
  - Benchmarks
  - Strat Tables
  - Transition Matrices

#### **EDW Direct – Database Access**

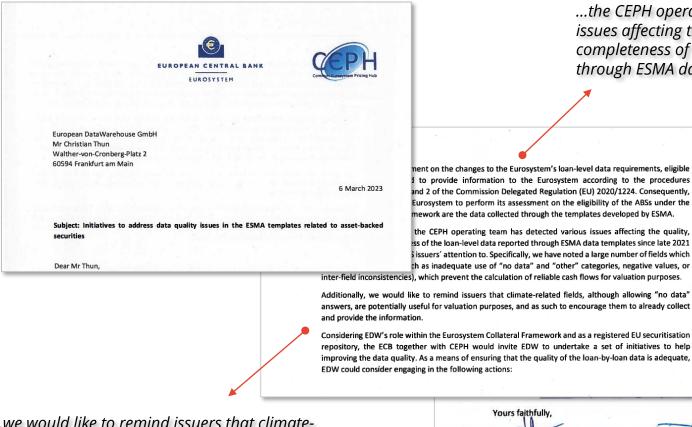
- Query loan level data across ECB, ESMA and FCA templates
- Direct access to Deal Report data tables for subscribers of the EDW convenience pack

Query Name		Query
Regime		
O EU i UK		
Portfolio		
	s / Jurisdiction O Sec ID O ISIN	
All Deals Asset Class		
Content & File Type		
Templates		
Underlying Exposures		
Investor Report		
Sign. Event / Inside Info		
ECB LLD		
Other Reports		
EDW Deal Report		
Frequency of Delivery		
O Daily O Weekly		

# UPDATE ON DATA QUALITY



#### **ECB/CEPH LETTER TO EDW**



...the CEPH operating team has detected various issues affecting the quality, accuracy, and completeness of the loan-level data reported through ESMA data templates...

> ive data providers with the aim of highlighting een identified for a potential correction of the

BS issuers or their respective data providers if

s related to the performance of the underlying

ance on a quarterly basis, on the progress on ction basis.

contact the ECB (Andres Manzanares pking@ecb.europa.eu) or CEPH (Emmanuelle

...we would like to remind issuers that climaterelated fields, ..., are potentially useful for valuation purposes, and as such encourage them to already collect and provide the information.

Fernando Manai Director, DRM ECB



ECB

Marc Baran Directeur, DRCO BdF

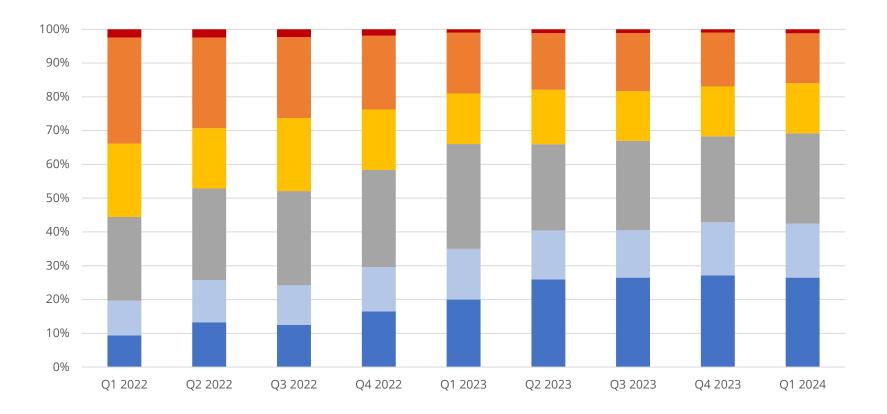
#### **EUROPEAN DATAWAREHOUSE – PROPRIETARY DATA QUALITY SCORE (DQS)**

- Automated score based on hard failed rules subset of EDW Data Quality Plus rules
- Objective and common approach for all deals, jurisdictions and asset classes
- The score is calculated for all deals passing the minimum ESMA validation checks
- Based on the following formula:  $\frac{\sum_{1}^{n} (F_{f})}{n \times MF}$ Where:
  - *n* is the total number of loans for each relevant field
  - $F_f$  represents a field that failed a rule
  - *MF* represents the number of the field for which there is at least one DQS rule. This number is specific per each asset class.

DQS Score	Min. Fail Ratio	Max. Fail Ratio	Ratio
А	0.0000%	0.0001%	Up until 1 in a million
В	0.0001%	0.005%	Up until 5 in 100k
С	0.005%	0.1%	Up until 1 in a thousand
D	0.1%	1%	Up until 1 in a hundred
E	1%	4%	Up until 4 in a hundred
F	4%	100%	> 4 in a hundred



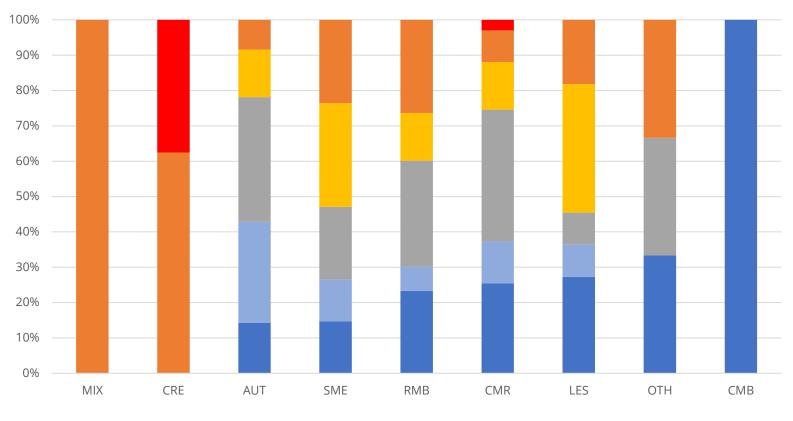
#### DATA QUALITY – OVER TIME



■A ■B ■C ■D ■E ■F



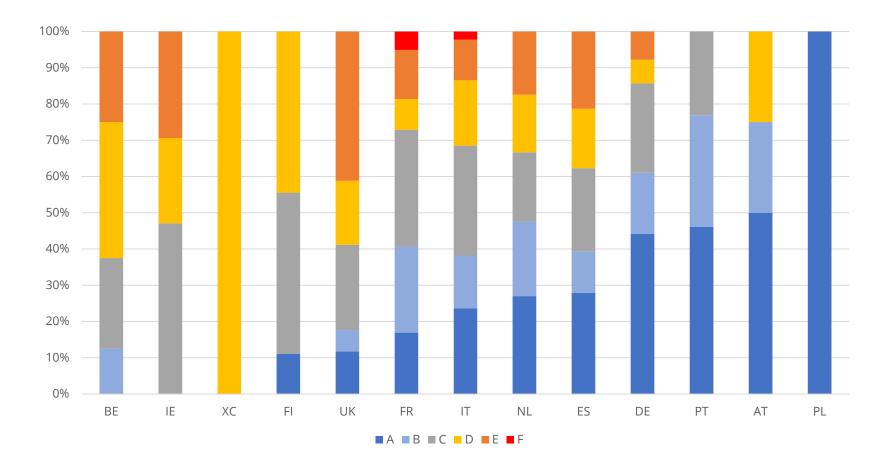
#### DATA QUALITY – BY ASSET CLASS



A B C D F



#### DATA QUALITY – BY COUNTRY



#### **DATA QUALITY – DATA FIELDS WITH MOST ERRORS**

Top 10 (position in Q4)	ESMA Field	No. of deals (no. in Q4)
1 (1)	Number Of Days in Arrears	182 (181)
2 (2)	Redemption Date	134 (140)
3 (4)	Default Amount	91 (95)
4 (3)	Current Principal Balance	87 (120)
5 (5)	Current Valuation Date	62 (54)
6 (6)	Default Date	62 (51)
7 (7)	Reason for Default or Foreclosure	54 (48)
8 (9)	Maturity Date	51 (45)
9 (8)	Account Status	50 (45)
10 (10)	Pool Addition Date	45 (43)

# SUSTAINABLE FINANCE PROJECTS: ENGAGE FOR ESG & GREEN AUTO SECURITISATION



# THE ENGAGE TEMPLATES VERSION 1.0: EU TAXONOMY COMPLIANCE FOR MORTGAGES





# THE ENGAGE FOR ESG INITIATIVE

- The ENGAGE for ESG initiative aims to contribute to the goals of the EU Green Deal, by promoting ESG transparency for residential mortgages.
- The ENGAGE Templates 1.0, released in November 2023, include data elements that allow financial institutions to disclose the alignment of their mortgages with the EU Taxonomy requirements in line with the Substantial Contribution Criteria of the Climate Delegated Act
- The Templates will also enable the assessment of the degree of sustainability for mortgages and the classification of investments for certain mortgages as "sustainable" according to the EU Taxonomy.
- The Templates will be updated and expanded to incorporate the most relevant European sustainability regulations. They will be operationalised through the ENGAGE Portal, a dedicated IT infrastructure currently under development.





# HOW TO GET ENGAGED IN THE PILOT

1. Request the ENGAGE Templates: https://forms.office.com/e/td14aYsMQS

2. Set up a One-to-One demo with the ENGAGE team of 30 minutes

3. Sign the ENGAGE agreement for the sample data submission

4. Submit the ENGAGE Templates (mortgage sample file) into the ENGAGE Portal

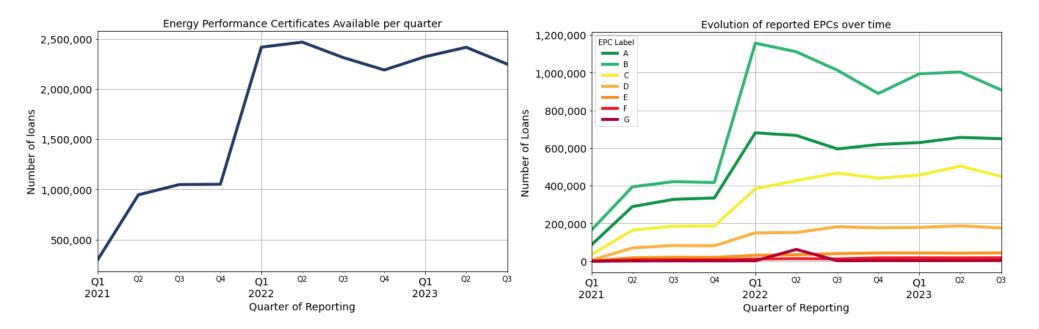
**5.** Receive the ENGAGE report on the EU Taxonomy compliance



#### AVAILABLE ENERGY PERFORMANCE CERTIFICATES IN EDW

The percentage of auto loans and leases with a valid EPC is increasing

- The percentage of auto loans and leases with a valid EPC is steadily increasing over time reaching 2.3 million in Q3 2023.
- The increasing trend is driven by cars with better EPC.
- We noticed an increasing trend from issuers to disclose EPC information and from investors to ask for sustainability related data.



#### **ESTIMATING CO2 EMISSIONS FOR CAR LOANS/LEASES IN EDW DATA**

Matching EDW data with European Environment Agency (EEA) data

# Standardised ManufacturerStandardised ManufacturerStandardised ModelImplied FuelStandardised ModelImplied FuelImplied FuelFuelCountry of AssetImplied FuelCountryYear of RegistrationImplied FuelYear of RegistrationCO2 EmissionsImplied FuelCO2 EmissionsCar WeightImplied FuelImplied Fuel

#### **EDW DATA**



#### Assumptions

- If fuel cannot be implied using available info, the average CO2 emissions of Petrol + Diesel cars for the manufacturer, model, year, and country are used
- For cases where only NEDC standard emissions are available, a factor of 1.2 is used to convert NEDC emissions to estimated WLTP emissions

#### DATA ENRICHMENT FOR AUTO LOAN PORTFOLIOS

EDW is working with selected partners to enrich their auto loan portfolio with CO2 emission estimates

	Original Data		Adji	usted Data			Enriched information
Manufacturer	Model	Manufacturer	Model	Fuel type	Year of manufacture		Co2 Emissions
ΤΟΥΟΤΑ	C-HR 1.8 HYBRID LOUNGE MY20			Liste at al	2020	]	87 g/km
ΤΟΥΟΤΑ	C-HR 1.8 HYBRID 122CV ACT MY21	τονοτά	C-HR	Hybrid	2021		87 g/km
ΤΟΥΟΤΑ	COROLLA 1.8 H STYLE MY19	ΤΟΥΟΤΑ			2010		 110 g/km
ΤΟΥΟΤΑ	COROLLA 1.8 H ACTIVE MY19		COROLLA	-	2019		 110 g/km

- The algorithm allows for manufacturer and model standardisation
- Relevant information (such as CO2 emissions) are estimated based on manufacturer, model, and year of manufacture
- NB: estimates cannot be used for ESMA reporting purposes as per the Q&A published in February 2023

02 011	nission	is from ne	w pass	enger car	S							
02 emiss	sions fror	n new passeng	er cars re	gistered in EU	I27, Iceland (fr	rom 2018) and	Norway (from 201	9) – Regula	tion (EU) 2	2019/631.		
🔠 Dat	ta table e	explorer	<b>lıl</b> Dash	board								
<b>Q</b> Sea	rch teri	m										
🗸 Curr	rent filt	ers applied:	4 🥒 Re	set filters								
	rent filt Provision		4 🥒 Restration yea		Manufacture	er name(Match: an	υ) ΤΟΥΟΤΑ 🗶	Commercial	name(Match	n: any) C-HR 🗴		
✓ Curr Status:					Manufacture	er name(Match: an	Y TOYOTA X	Commercial	name <sub>(Match</sub>	n: any) C-HR X		
					Manufacture Manufacturer name (OEM	er name(Match: an Manufacturer name (MS r	y) TOYOTA x Type approval number	Commercial <b>Type</b>	name <sub>(Matc</sub>	n: any) C-HR X Version	Make	Commercial name
Status:	Provision	al x Regist	tration yea	r: 2021 x Manufacturer	Manufacturer	Manufacturer	Type approval				Make TOYOTA	

# **Q&A, CLOSING REMARKS**



# THANK YOU//CONTACT US

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