

# **2023 AUTUMN WORKSHOP SERIES**

LISBON - 29 NOVEMBER



### **TODAY'S SPEAKERS**



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### **AGENDA**

#### WELCOME AND REGULATORY DEVELOPMENTS

Marco Angheben, European DataWarehouse

#### MARKET OVERVIEW & DATA QUALITY UPDATE

• Fernando Lopes, European Datawarehouse

#### SECURITISATION: HOW REGULATORY DIVERGENCE IS SHAPING THE INDUSTRY

• Joana Fragata, Freshfields

#### BANCO DE PORTUGAL'S APPROACH ON ABS ELIGIBILITY

Inês Cunha Cabral, Banco de Portugal

#### TIGHTER CONDITIONS - CHALLENGES FOR PORTUGUESE MARKET

Gordon Kerr, KBRA

#### SUSTAINABLE FINANCE INITIATIVES: ENGAGE FOR ESG AND GAS

Marco Angheben, European Datawarehouse

#### POWER OF ANALYTICS: COURT TIMING SENSITIVITY & ML PREDICTIONS

Fulvio Pelargonio, NPL Markets

#### REPORTING DIFFERENCES BETWEEN ESMA AND EBA NPL TEMPLATES

Marco Angheben, European DataWarehouse

#### **COVERED BOND SOLUTIONS**

Marco Angheben, European DataWarehouse

### **CLOSING REMARKS**



# WELCOME AND INTRODUCTION MARCO ANGHEBEN, EDW

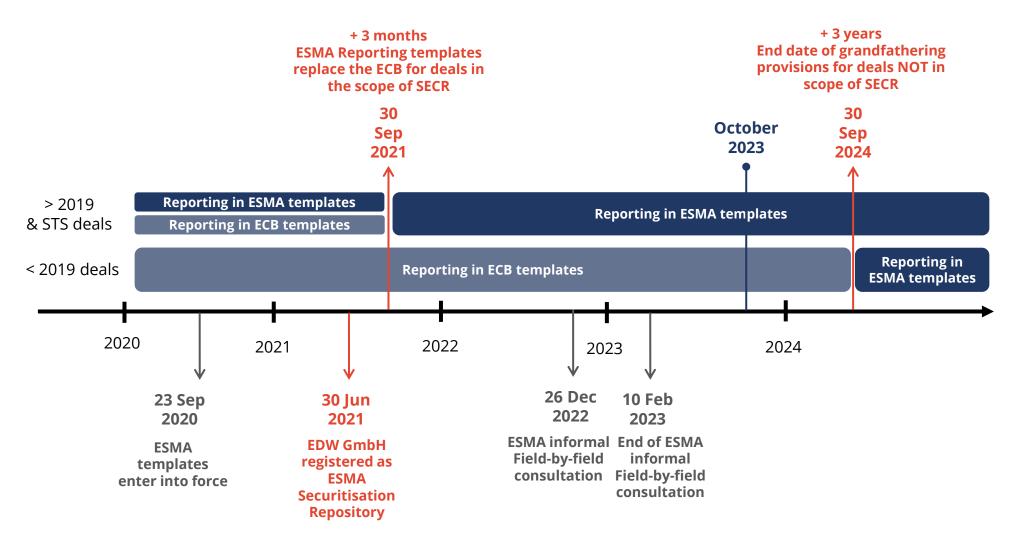


# UPCOMING CONSULTATION ON THE REVISION OF THE ESMA TEMPLATES

MARCO ANGHEBEN, EDW



### 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

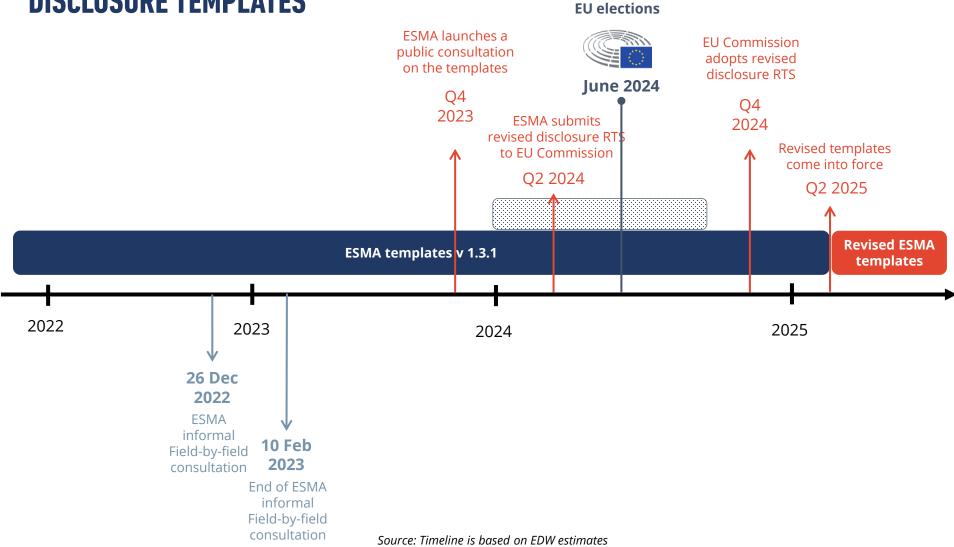


### **EU COMMISSION REPORT ON FUNCTIONING OF SECURITISATION REGULATION**

- On 10 October 2022, the European Commission published its long-awaited report on the functioning of the Securitisation Regulation. The Report covers the mandate to the Commission under Article 46 of the Regulation to deliver a general report.
- The report concludes that it would be premature to suggest a re-opening of the STS legislative framework in light of its short application and the number of exogenous factors, e.g., Covid-19 and the favourable liquidity environment, that make it challenging to assess its impact on the market. Instead, the EC proposes a number of level 2 adjustments that could address some shortcomings in the framework, such as the transparency regime, while offering legal interpretation on provisions on the jurisdictional scope of the regime.
- Important for disclosure framework:
  - The Commission has asked ESMA to review the templates in the disclosure RTS with a view to addressing
    possible technical difficulties, removing unnecessary fields and aligning them more closely with investors'
    needs. It has also asked ESMA to look at whether information on a loan-by-loan basis is useful and
    proportionate to investors' needs for all types of securitisations.
  - The Commission has asked ESMA to draft a dedicated disclosure template for private securitisations
    that is tailored to supervisors' need for an overview of the market and of the main features of those
    transactions.
  - While new template could replace the existing templates for all private securitisations, the EC falls short
    from recommending reporting via a securitisation repository, suggesting this could be a longer-term policy
    action should the EC decide to reopen the STS Regulation in the future.



# TENTATIVE TIMELINE FOR ESMA'S REVIEW OF THE LOAN-LEVEL SECURITISATION DISCLOSURE TEMPLATES EU elections





### A KANTIAN SHIFT FOR THE CAPITAL MARKETS UNION

### Speech by Christine Lagarde, President of the ECB, at the European Banking Congress

- On 17 November, ECB President Christine Lagarde delivered a speech at the European Banking Congress in Frankfurt
- Whilst the assessment of the importance of the Capital Markets Union (CMU) to EU development is not new, it could not have been presented in stronger terms.
- However, the speech was missing a list of measures to facilitate the development of a "sufficiently large" securitisation market in the EU.
- The main tools required to advance an EU CMU are a single rulebook and a single regulator (ESMA), similar to those used to advance the EU banking union. They, however, are not and will not be sufficient to meet all the objectives of the advancement of the securitisation market in the EU.

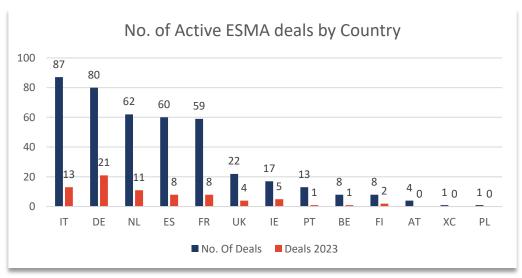


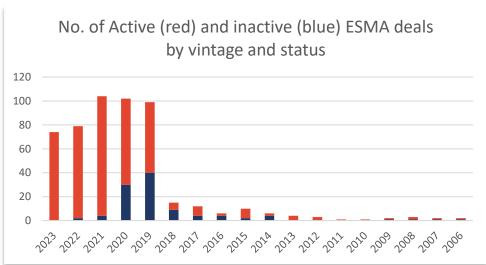


# MARKET OVERVIEW & DATA QUALITY UPDATE FERNANDO LOPES, EDW

### **EUROPEAN ABS MARKET – OVERVIEW**

### 525 public ABS transactions across Europe reporting ESMA



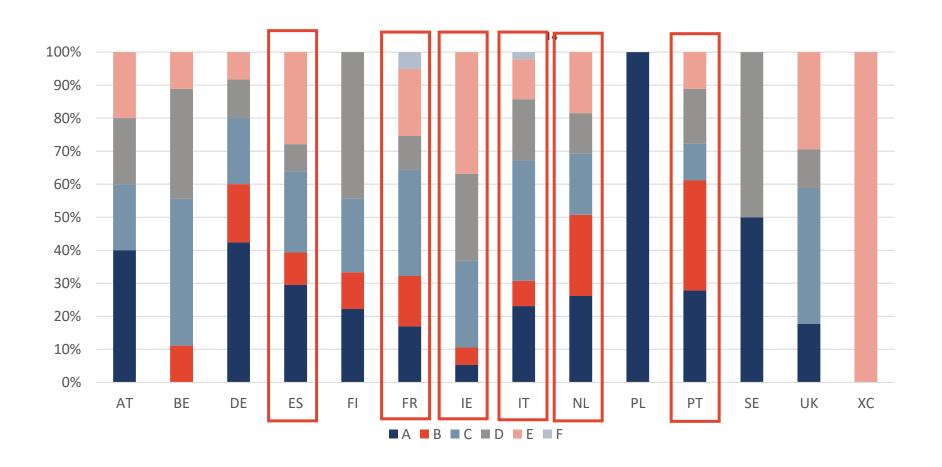






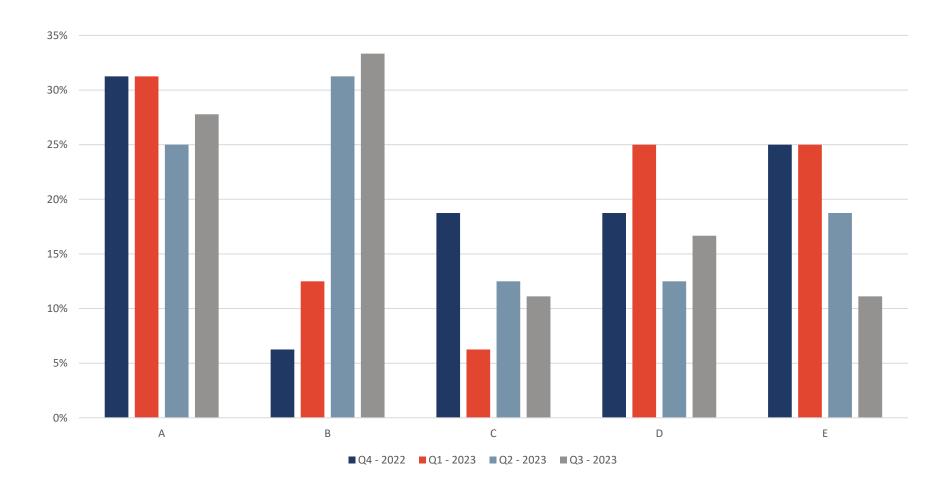
### **DQS - COUNTRY BREAKDOWN**

### Different levels of data quality across countries



### DQS - DISTRIBUTION FOR PORTUGAL BETWEEN Q4 2022 - Q3 2023

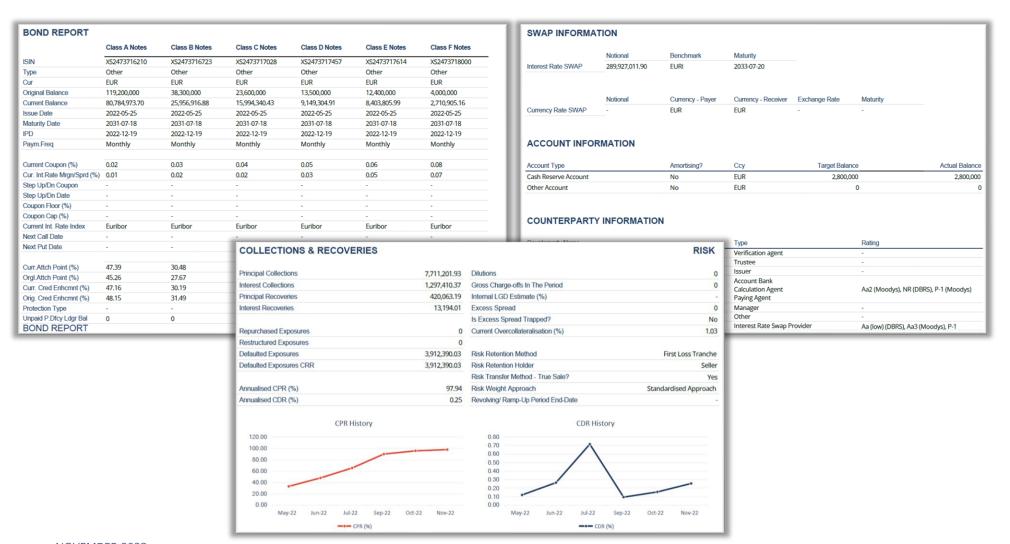
Scores are mainly concentrated in A or B





### **EDW DEAL REPORT**

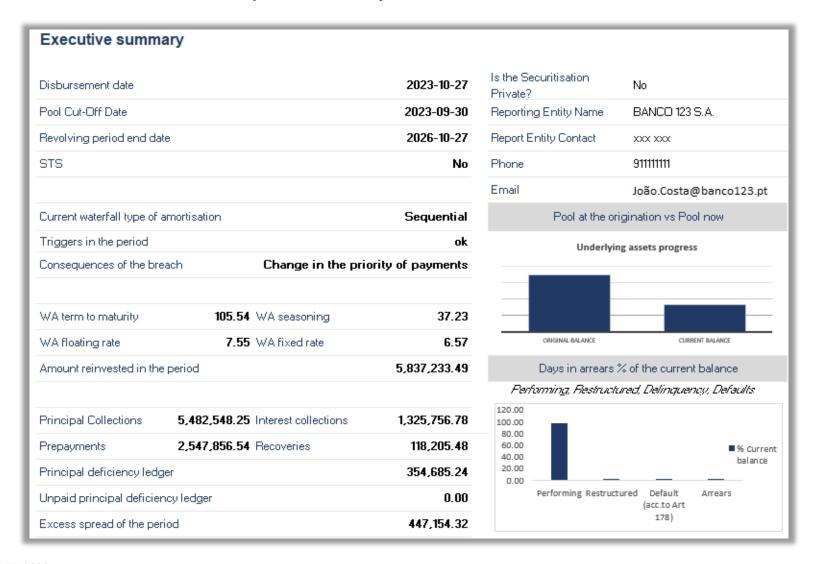
### Valuable transaction relevant information covered in the none- UE templates (Annex 12 & 14)





### **EDW DEAL REPORT - UPDATE**

### Implementation of an Executive Summary in the Deal Report



### ABS STRUCTURING: EDW SUPPORT THROUGHOUT THE LIFE OF A TRANSACTION

### Streamlining information flow in financial markets

- EDW offers various services and activities to facilitate the efficient handling of the ABS securitisation structuring process, including ongoing administrative processes throughout the transaction's life.
- EDW support encompasses:
  - Streamlining the information flow to the market,
  - Ensuring regulatory compliance
  - Enhancing transparency for the benefit of issuers, investors, and regulatory authorities alike.

TIMELINE	Weeks to Settlement							Ongoing life of											
Workstream	-17	-16	-15	-14	-13	-12	-11	-10	-9	-8	-7	-6	-5	-4	-3	-2	-1	0	Transaction
Transaction termsheet																			
Historical performance & proxy data																			
Marketing phase																			
Closing & maintenance procedures																			

Weeks where the stage is performed Other weeks Areas where EDW can provide support

### STRUCTURING PROCESS SUPPORT

### Stages where EDW can support



### Transaction term sheet:

EDW empowers issuers by translating complex data into strategic decisions, ensuring clarity, efficiency, and well-informed choices throughout the entire term sheet creation process.



### Historical performance and proxy data:

EDW collected loan data from 15 regions, covering seven asset types in 1700+ transactions over the past 10+ years. This helps issuers, originators, and SSPEs meet performance data standards for the STS Label on new transactions.



### **Marketing phase**

In the marketing phase, EDW's platform acts as a key data room, giving investors access to vital information. Our global connections enhance deal visibility and conditions.



### **Closing and Maintenance procedures**

EDW can provide alert system for issuers and periodic deal reports with overviews after each submission



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# SECURITISATION: HOW REGULATORY DIVERGENCE IS SHAPING THE INDUSTRY

JOANA FRAGATA, FRESHFIELDS



European DataWarehouse 2023 Autumn Securitisation Workshop Series

Banco de Portugal, Lisbon

29 November 2023

Joana Fragata



Freshfields Bruckhaus Deringer

## **Agenda**

### The regulatory framework for securitisation in the EU and the UK

- Key instruments pre-Brexit and post-Brexit
- Snapshot of key recent developments in the EU
- Snapshot of key recent developments in the UK
- Are the EU and the UK drifting apart?

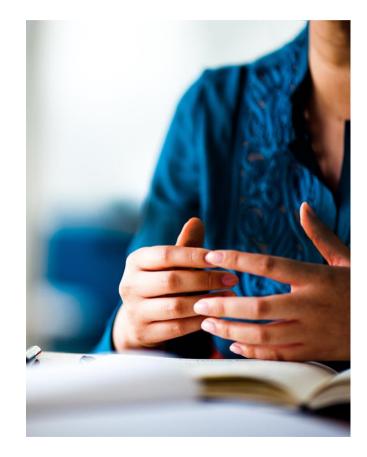
### Regulatory divergence

- Who is affected and why does it matter?
- Is anything being done about it?

How is regulatory divergence shaping the industry?

Q&A

NB: we will not cover in detail prudential matters / green securitisation / NPE securitisation



# The regulatory framework for securitisation in the EU and the UK

Key instruments pre-Brexit and post-Brexit

### **Pre-Brexit**

• **EU (including UK):** EU SECR/ CRR / Solvency II + all RTS/ITS (Level 2) and guidance (Level 3)

#### **Post-Brexit**

- **EU:** EU SECR / CRR / Solvency II RTS/ITS (Level 2) and guidance (Level 3)
- UK: "onshored" EU SECR / CRR / Solvency II +
   "onshored" RTS/ITS (Level 2) and recognition of EU
   guidance (Level 3)

# The regulatory framework for securitisation in the EU and the UK

Snapshot of key recent developments in the EU

 CMRP STS for synthetics + RTS (homogeneity/SES/pro-rata amortisation triggers/notification/sustainability indicators) Securitisation of NPEs (including risk retention by servicer) 2021 Restrictions to where SSPEs can be located (anti-tax avoidance) ESAs Joint Opinion on jurisdictional scope under the EU SECR • ECB Guide on the notification of securitisation transactions (published 2022) Report from the European Commission to the European Parliament and the Council on the functioning of the EU SECR 2022 RTS on risk retention (adopted in 2023) ESAs joint advice to the EU Commission on the review of the securitisation prudential framework CRR banking package Trilogue negotiations 2023 ESMA's informal pre-consultation on the disclosure templates revision EBA STS guidelines for synthetics (consultation closed in 2023) **Forthcoming** ESMA guidance on Article 5 Revision of disclosure templates



# The regulatory framework for securitisation in the EU and the UK

Snapshot of key recent developments in the UK

 "Onshoring" process 2021 • HM Treasury Report and Responses to the Call of Evidence on the Review of the UK SECR HMT introduces the Financial Services and Markets Bill to Parliament Consultation on a draft Securitisation Statutory Instrument 2022 Consultation on Solvency II (outcomes published) Consultation on implementation of Basel 3.1 standards 2023 FCA and PRA consultations on new rules for securitisation **Forthcoming** Revision of disclosure templates and of the definition of public and private securitisation



### The regulatory framework for securitisation

### Are the EU and the UK drifting apart?

Touis	FILE	UK							
Topic	EU	Pre-reforms	Post-reforms (expected)						
Synthetic STS	Yes	No	No						
Risk retention by NPE servicer	Yes	No	No						
Investor DD in third country transactions (disclosure)	Strict approach	More flexible approach	Even more flexible approach						
Recognition of STS	No recognition of UK STS	Recognition of EU STS (until 2025)	Recognition of EU STS (and potentially of other third countries)						
Simplified template for private securitisations	No (although in the future potentially)	No	Yes						
Pace of regulatory process	Lengthy	Lengthy	More agile						
Distinction between private and public securitisations	Not likely to change	-	Likely to change						



### Regulatory divergence

Who is affected and why does it matter?

### Regulatory compliance is often not a one-way street – even for "domestic" transactions

- Buy-side parties need to ensure compliance with investor due-diligence requirements applicable to them
- Sell-side parties need to ensure marketability of transactions and adapt to target investors
- Other parties / service providers need to adapt scope of services provided to participant requirements



### Regulatory divergence

Is anything being done about it?



Industry participation is often leading the way in identifying potential areas of regulatory divergence



Discussions about ongoing reforms often include discussions of what can be addressed to prevent market distortions; however, there is no evidence of an express intention of aligning regimes



The regulatory process is dynamic and timelines/ processes are not aligned between UK and EU

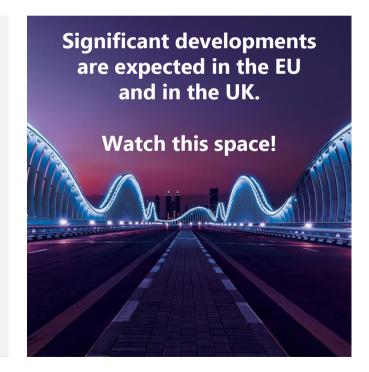


There is no expectation that the two regimes will align or remain aligned in the future, including due to fundamentally different legislative / regulatory processes

## How is regulatory divergence shaping the industry?

### Trends and Outlook

- Dual compliance
- Increasing number of private transactions with limited number of investors
- Polarisation of the investor base (and exacerbation of competitiveness issues vis-à-vis third country investors)
- Moving to alternative structures







# BDP'S APPROACH ON ABS ELIGIBILITY INÊS CUNHA CABRAL, BANCO DE PORTUGAL



# TIGHTER CONDITIONS – CHALLENGES FOR PORTUGUESE MARKET

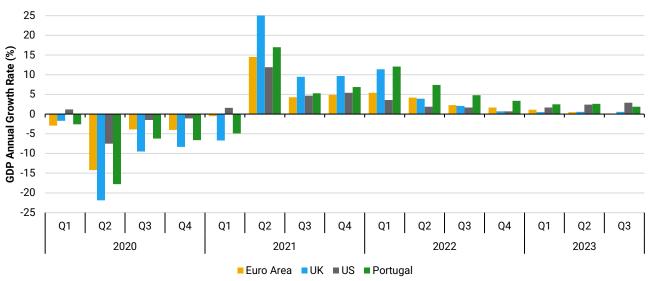
GORDON KERR, KBRA



# Tighter Conditions - Challenges for Portuguese Market

### **Growth Slows**



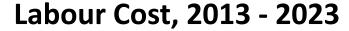


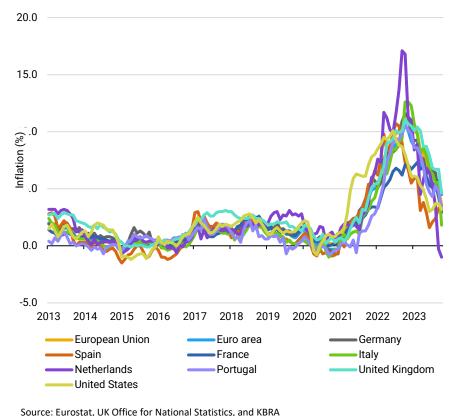
Source: Bloomberg

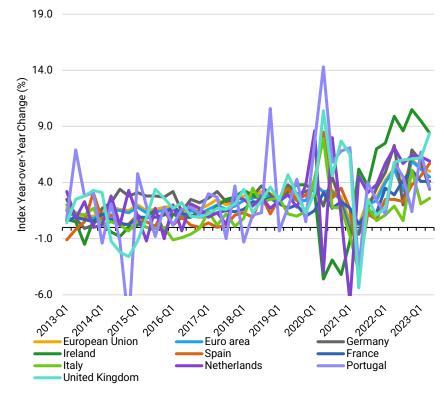
- COVID Major Impact and Bounce Back
- Post Pandemic Growth Slows
  - Russia/Ukraine Conflict and Energy Price / Inflation Burden
- UK More Heavily Impacted
- Portugal has Outperformed in Post-Pandemic Period

### Inflation Easing, but Last Bit to be a Challenge

### Inflation Rate, 2013 - 2023





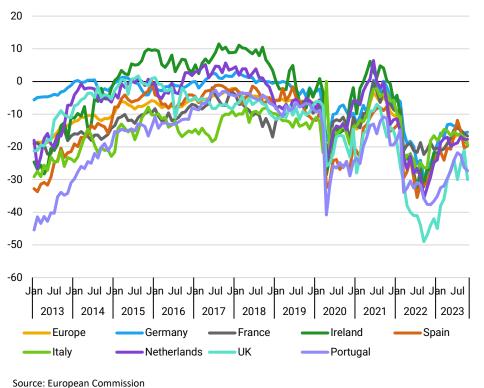


Source: Eurostat, UK Office for National Statistics, and KBRA

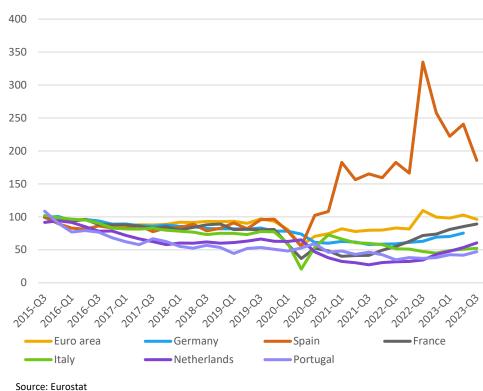
- Extreme Levels of Inflation Easing
  - UK Remains Elevated, Netherlands Leads Lower
- Wage Inflation Risk of Keeping Inflation High, Particularly UK (and Ireland)

### **Trouble Still Brewing**

### **Consumer Confidence Index**



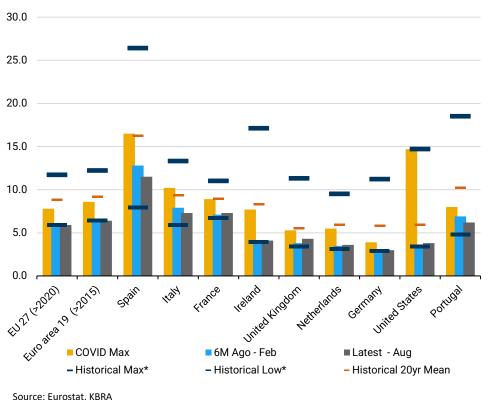
### **European Business Insolvencies**



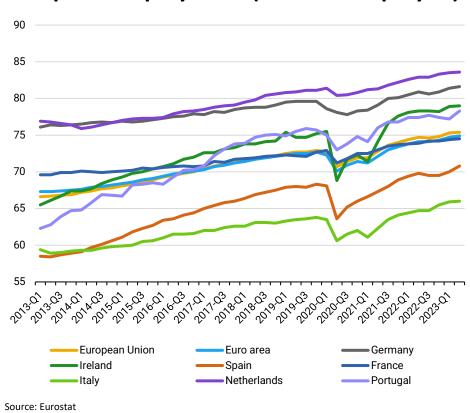
- Negative Consumer Confidence, but Returning (slowly) from Lows
- Insolvencies Increase, Excessively in Spain
  - Index still in infancy in terms of accuracy, but trend is same

### **Support Remains in Employment Picture**

### **European Unemployment**



### **European Employment (% 16-65 Employed)**



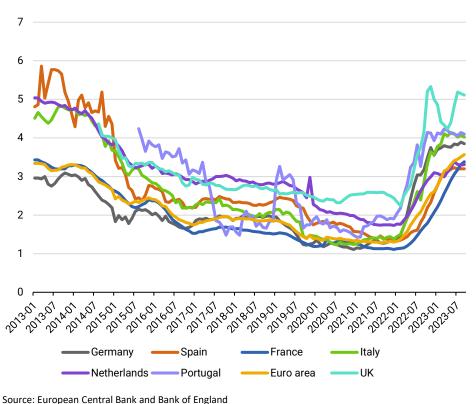
- Unemployment Remains at or Near Lows
- Participation Rate Recovery from COVID

### Rate Rises and Impact Upon Borrowers

### **Policy Rate and Expectations**

# UK As of 27/11/2023 UK As of 03/31/2023 EUR As of 27/11/2023 USD As of 27/11/2023 USD As of 31/03/2023 5.5 5.0 4.5

### **European Mortgage Rates**



- Rate Rises Flattening, but Not Turning Down Yet
- Rise in Mortgage Rates, Heavy Impact on Floating and Refinancing
- UK Stands Out (Again), Portugal Towards High End

Policy Rate

3.5

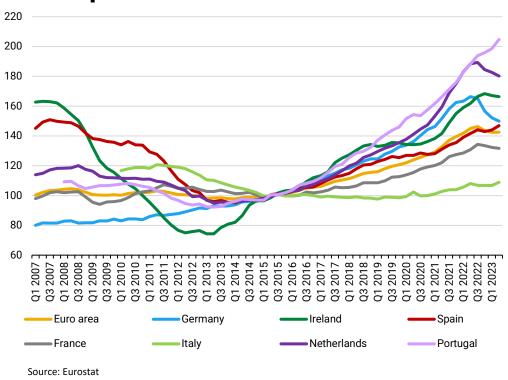
2.5

#### **Impact Beginning to Take Hold**

#### **Mortgage Lending, YoY Change**

# 10 Netherlands —— Portugal

#### **European House Price Index**



- Household Mortgage Lending Declines
- Some Housing Markets Cooling
- Portugal Remains Resilient

Source: Eurostat



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## ENGAGE FOR ESG & GAS MARCO ANGHEBEN, EDW



# ENGAGE: A Solution for EU Taxonomy Compliance

21 November 2023







## ENGAGE description

- Name: Engage for ESG activation investments (ENGAGE)
- Co-funded by the European Union with a LIFE grant
- Duration: 1 November 2022 31 October 2025
- Six consortium partners from across Europe
- Scope: ENGAGE aims to provide a solution based on a data disclosure format for mortgage funding and home renovations encompassing the key European ESG regulations.





ESMA-designated Securitisation Repository and Eurosystem repository for ABS & pools of additional credit claims



IT company, developers of software solutions for the financial sector



Pioneer university in sustainable finance programmes and research



Specialist entity in sustainable financing for mortgages and loans in the Spanish market. Leader of the Spanish pilot



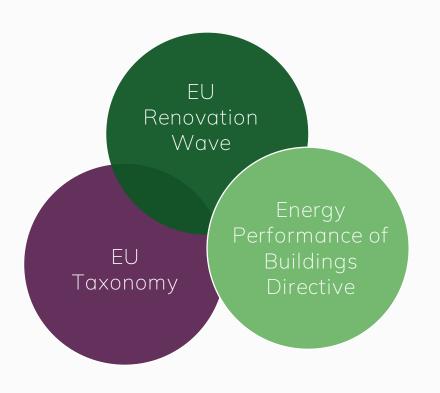
Innovative sustainable mortgage loan originator in the Dutch market. Leader of the Dutch pilot

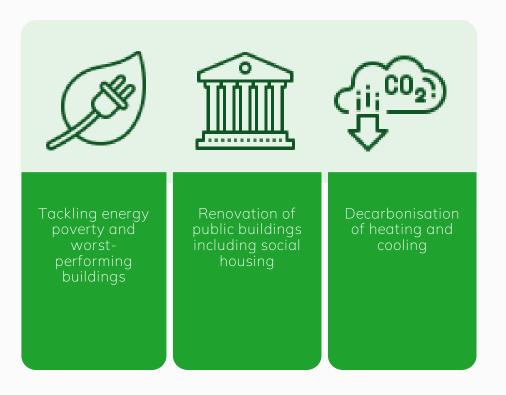


Experts in ensuring compliance of new technologies with legal and ethical standards



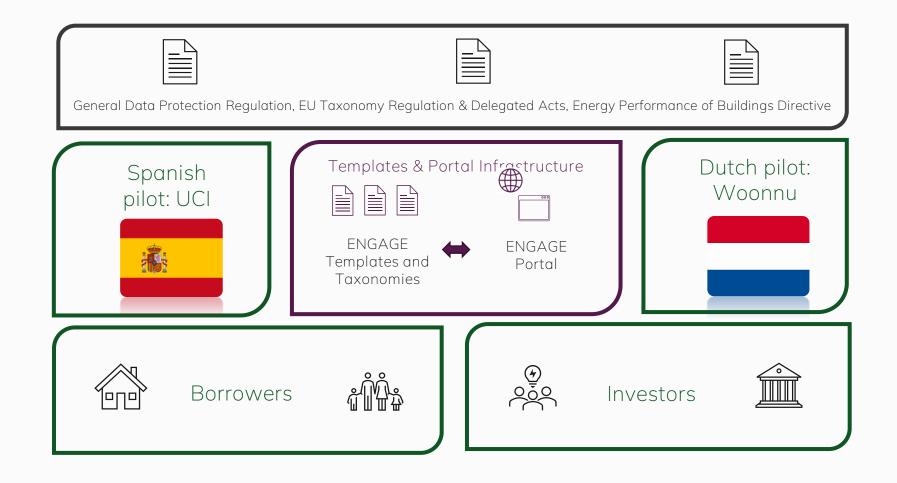
## Energy Efficiency Regulations







## ENGAGE: The High-Level Concept





## **ENGAGE** Templates Structure

Building block 1 created

Building blocks 2 & 3 under construction Building block 0

- Current ESMA underlying exposures for residential mortgages (Annex 2) and consumer loans (Annex 6);
- A public consultation is expected in Q4 2023 for the revision of the technical standards.

Compliance with the EU Taxonomy Regulation for:

a) Mortgages for the acquisition of new buildings (a)

a) Mortgages for the acquisition of new buildings (already built or under construction) and existing buildings;

b) Loans for the renovation of existing buildings.

Building block 2

block 1

• European Investment Bank information requirements to capture funds from green financing programmes (e.g., ELENA) for the financing of the renovation wave.

Building block 3

• European Central Bank stress test fields related to climate change (such as flooding and heating) for financing activities related to the building stock.



## EU Taxonomy challenges for buildings

- The ENGAGE Templates translate the EU Taxonomy Regulation based on the Climate Delegated Act and the draft Commission Notice of 19 December 2022 on the interpretation and implementation of the following three Sections of Annex I of the Climate Delegated Act:
  - 7.1 Construction of new buildings
  - 7.2 Renovation of existing buildings
  - 7.7 Acquisition and ownership of buildings



## ENGAGE Building Blocks

- The ENGAGE Templates currently consist of two building blocks:
  - Building block 0, which covers information about the underlying exposures (fields RREL1 to RREL84 of Annex 2 of the ESMA templates) and the collateral (fields RREC1 to RREC23 of Annex 2 of the ESMA templates).
  - Building block 1, which covers information about the Technical Screening Criteria (TSC) for determining the conditions under which the granting of a mortgage and a home renovation loan qualifies as contributing substantially to Climate Change Mitigation (CCM), as well as about the Minimum Safeguards (Article 18 of the EU Taxonomy Regulation).



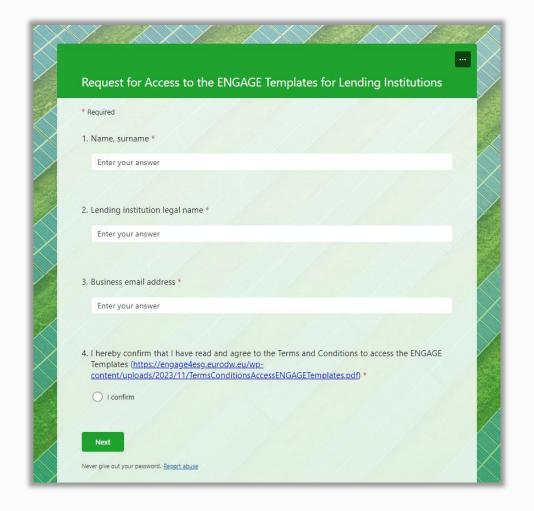
## How to get ENGAGED?





## 1. Access the ENGAGE templates

- The ENGAGE templates are now available to lending institutions.
- To get access to the ENGAGE templates, lending institutions are required to complete a simple access request form.
- Once the request is processed, the ENGAGE templates will be sent through email to the applicant along with the supporting guiding documentation that will help lending institutions understand the templates.





### 2. Register for the Webinar

#### Preliminary agenda:

- Welcome & Intro | Dr. Christian Thun, European
   DataWarehouse
- Keynote Compliance with the EU Taxonomy: Why and how Lending Institutions can become Aligned | Lucia Alessi, European Commission
- Fireside chat The ENGAGE Templates as a Solution for EU Taxonomy Compliance: Template Overview and Logic | Vincent Mahieu, Hypoport & Marco Angheben, European DataWarehouse
- Roadmap & Closing Remarks Next steps on getting involved with ENGAGE | Marco Angheben, European DataWarehouse



Register for the event **here** 



### 3. Test ENGAGE Templates

- Once the ENGAGE Portal is available, UCI and Wonnu, the two pilots of the ENGAGE initiative, will be the first lending institutions testing the ENGAGE Templates.
- All lending institutions across the European
   Union are invited to test the ENGAGE
   Templates.
- The ENGAGE Templates and Portal will help lending institutions to assess the alignment of their mortgages and home renovation loans with the EU Taxonomy Regulation.







Website: engage4esg.eurodw.eu/

#### Social Media:

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



Co-funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or CINEA. Neither the European Union nor the granting authority can be held responsible for them.

#### Project Coordinator:

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#### Communications

Carla Scarsella carla.scarsella@eurodw.eu

#### GAS FOUR-PILLARS SUSTAINABILITY DATABASE

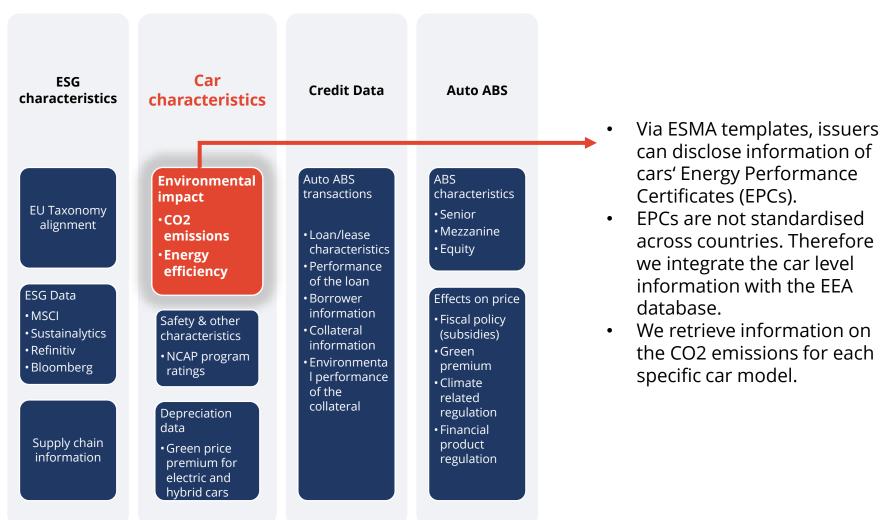
#### **Credit and Auto ABS Data**

**Credit Data Auto ABS ESG** characteristics Car characteristics Environmental **Auto ABS** ABS EDW has been collecting data impact transactions characteristics **EU Taxonomy** on ABS deals since 2013 CO2 emissions ·Loan/lease Senior alignment Energy characteristics Mezzanine efficiency The analysis makes use of Performance of • Equity the loan data collected under the ECB · Borrower FSG Data Safety & other and ESMA regimes information characteristics • MSCI Collateral NCAP program Sustainalytics All available information on information ratings Refinitiv Effects on price Environmental auto and leasing ABS deals Bloomberg performance of Fiscal policy issued in Germany, France, (subsidies) the collateral and Spain is being used for Green premium Depreciation data Climate related GAS Supply chain regulation Green price information Financial product premium for regulation electric and hybrid cars

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#### GAS FOUR-PILLARS SUSTAINABILITY DATABASE

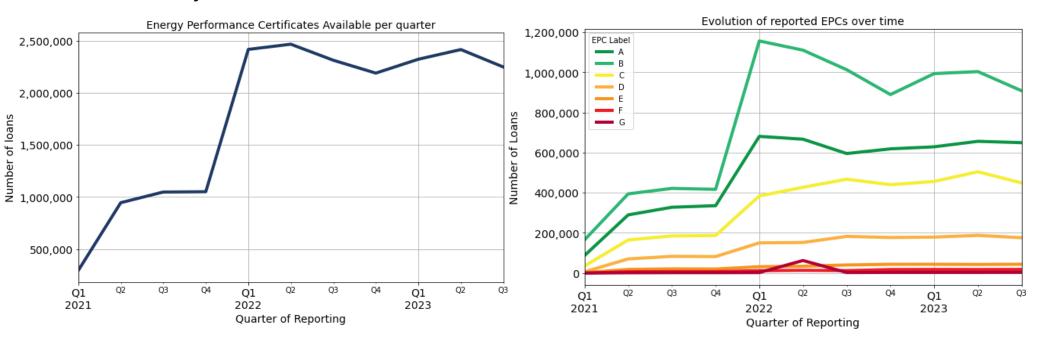
#### Sustainability Data



#### **AVAILABLE ENERGY PERFORMANCE CERTIFICATES IN EDW**

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

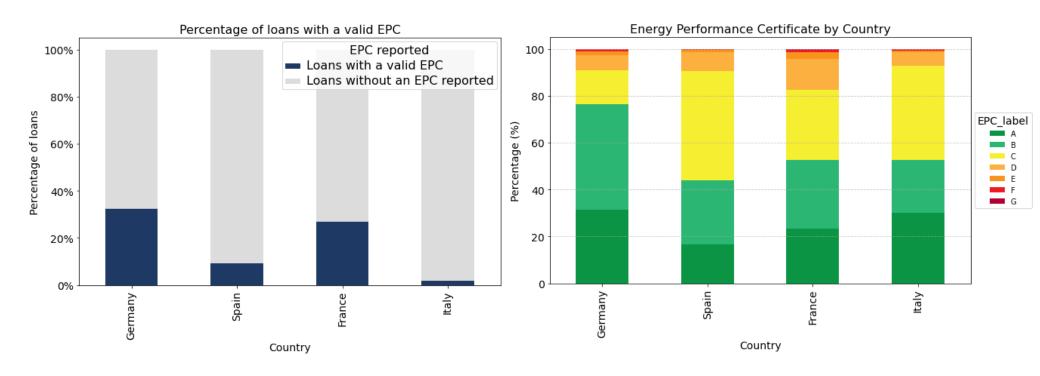
- The percentage of Auto loans and leases with a valid EPC is steadily increasing over time reaching 2.3 million in Q3 2023.
- The increasing trend is driven by cars with better EPC.
- We noticed an increasing trend from issuers to disclose EPC information and from investors to ask for sustainability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





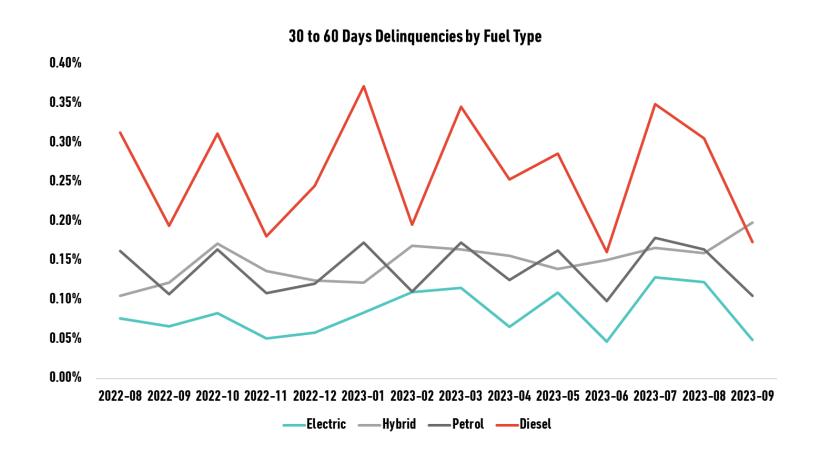
#### **ENERGY PERFORMANCE CERTIFICATES ACROSS COUNTRIES**

Germany has the highest amount of Energy Performance Certificates outstanding as of Q3 2023



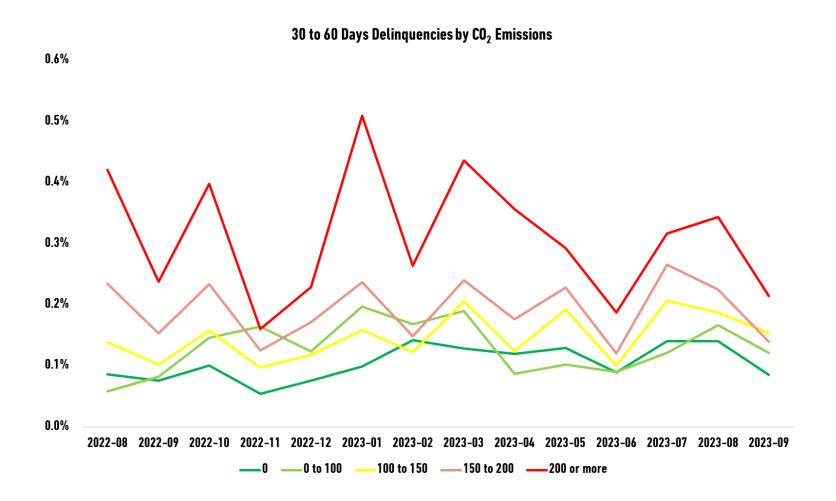
#### GERMAN AUTO ABS - 30 TO 60 DAY DELINQUENCIES (% OF BALANCE)

Electric cars seem to have the lowest delinquency levels when compared with cars of other fuel types



#### GERMAN AUTO ABS - 30 TO 60 DAY DELINQUENCIES (% OF BALANCE)

Low emission vehicles seem to have lower delinquency levels

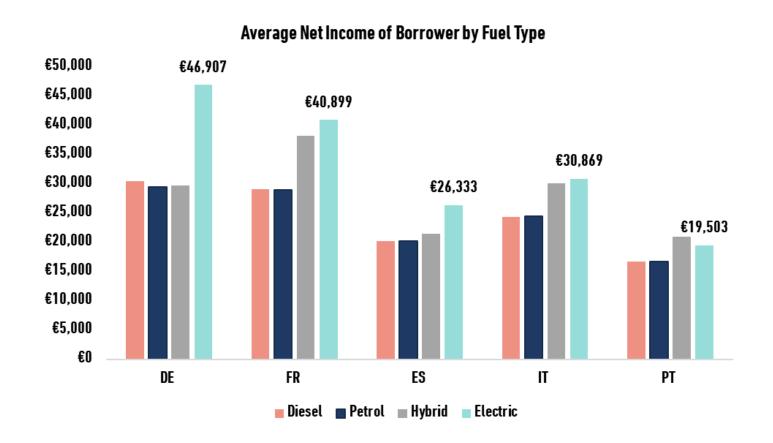




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#### **AUTO ABS – BORROWER INCOME BY FUEL TYPE**

Borrowers that get a loan/lease for electric cars have the highest incomes





# POWER OF ANALYTICS: COURT TIMING SENSITIVITY & ML PREDICTIONS FULVIO PELARGONIO, NPL MARKETS

Power of analytics

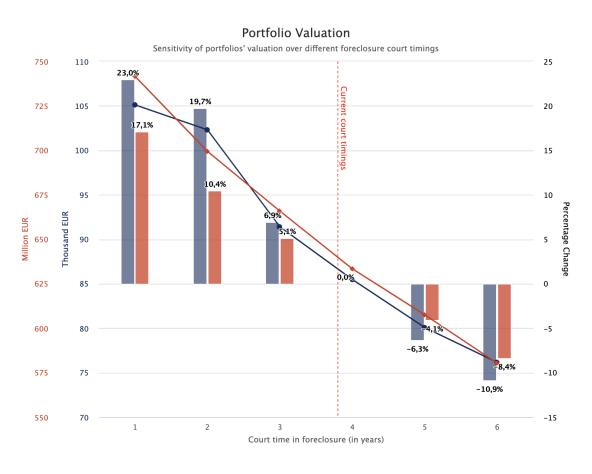
Court timing sensitivity & ML predictions

Nov 2023





#### NPL Portfolio Valuation Sensitivity to Court Timing Changes

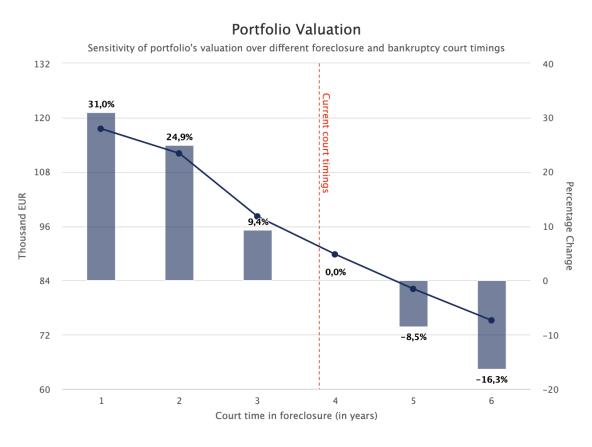


#### Sensitivity to Forclosure Court Timings

- Currently Greek courts last on average 3.8 years.
- Currently Greece ranks second to last in the EU.
- · Considering only foreclosure court timings!
- One-year decrease in court timings increases valuations by 5-7%.
- If Greece matched EU's top judicial efficiency, then valuations would increase by 17-23%.



#### NPL Portfolio Valuation Sensitivity to Court Timing Changes

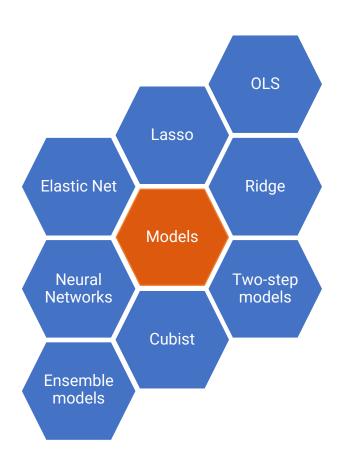


#### Sensitivity to Forclosure and Bankruptcy Court Timings

- Reducing court timings directly enhance NPL portfolio valuations.
- One-year decrease in court timings increases valuations by 10%.
- If Greece matched EU's top judicial efficiency, then valuations would increase by 30%.
- Greece's shift towards judicial efficiency is expected and so are considerable NPL portfolio gains.



#### Looking to machine learning to improve recovery rate forecasts

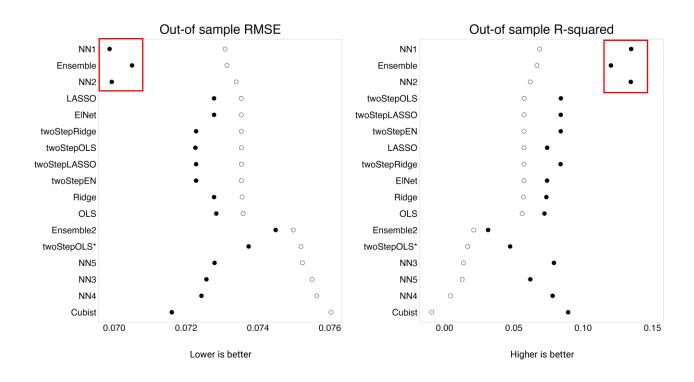


#### Why use ML?

- Minimize Manual Assumptions
- Performance at Scale
- Complex Relationship Modeling
- Robust Outlier Management
- Scalable and Adaptable Frameworks
- Empirical Superiority



#### Looking to machine learning to improve recovery rate forecasts



#### What we learned from building 17 models?

- Neural Networks and Ensemble Models worked the best
- Lower complexity ML models performed better
- ML models work best when using both historical and original expectation recoveries
- ML models improved mean prediction errors by 4% compared to original recovery expectations



# REPORTING DIFFERENCES BETWEEN ESMA AND EBA NPL TEMPLATES MARCO ANGHEBEN, EDW

#### PRELIMINARY RESULTS OF THE EDW NPL GAP ANALYSIS (1/3)

- EDW conducted a GAP Analysis highlighting the key differences between the EBA NPL transaction data templates and the ESMA technical standards as of 23 September 2020
- The EBA NPL templates have been streamlined and new fields added:
  - The "No data option" has been simplified (ND1, ND2 etc. into one ND only)
  - The € 25,000 threshold has been eliminated
- Among the 129 fields plus 5 identifiers proposed by EBA, EDW found a potential correspondence with the ESMA fields in 71 cases
- Scope of application for the EBA templates, as according to the proposed Regulation Article 2, is for the sale or transfers of portfolios of non-performing loans held in the banking book of credit institutions that meet the criteria set out in Article 16 (7) of Directive (EU) 2021/2167 on credit servicers and purchasers. Out of scope, among others:
  - Securitised NPL loans where Regulation (EU) 2017/2402 applies;
  - Loans held in the trading book of credit institutions
- NPL data quality is key to improve investor confidence and boost secondary market liquidity



#### PRELIMINARY RESULTS ON THE EDW GAP ANALYSIS (2/3)

Template	Number of Fields	Number of fields with potential correspondence
1 - Counterparty	33	14
2 - Relationship	4	3
3 - Loan	44	21
4 - Collateral guarantee and enforcement	43	28
4.2 Mortgage Guarantee	5	4
5 - Historical collection of repayments	5	1
Total number of fields	134	71

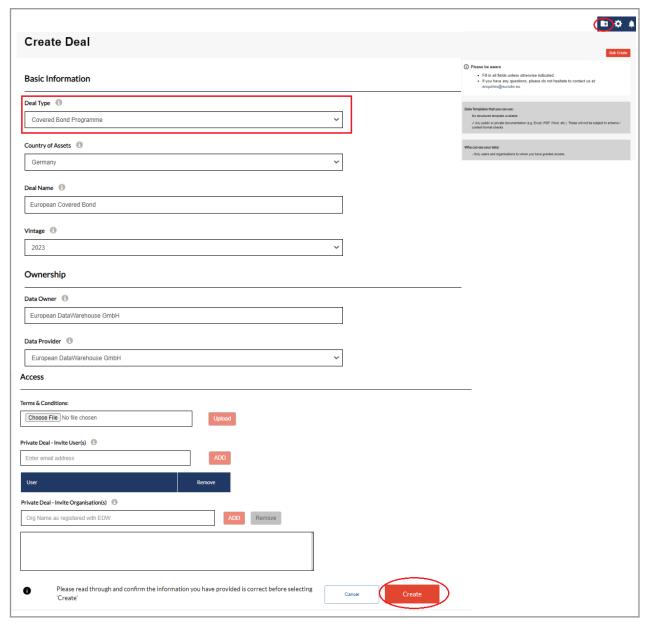
## REPORTING FRAMEWORKS UNDER THE SECREG & UPCOMING EBA NPL SECONDARY MARKET DIRECTIVE

**Reporting Framework for Reporting Framework for Type of Assets** Securitisation **Straight Sale Performing Loans ESMA Templates ESMA Templates with** Non-performing loans (NPL) **EBA Templates** Add-on Annex 10 One ESMA Annex with Homogeneous NPL pool **EBA Templates Add-on Annex 10** Non-Homogeneous NPL **Multiple ESMA Annexes EBA Templates** with Add-on Annex 10 pool



## COVERED BOND SOLUTIONS MARCO ANGHEBEN, EDW

#### 2.2 COVERED BOND CREATION PROCESS



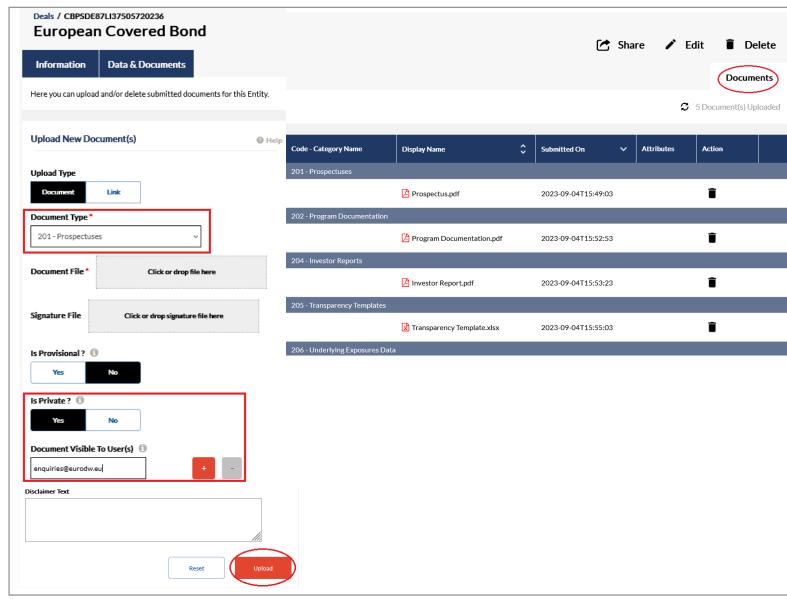
A few simple steps are needed for a covered bond creation:

- An issuer can create a new covered bond by clicking on the deal creation button and selecting "Covered Bond Programme" as the deal type. The relevant fields to be populated will be automatically displayed.
- 2. The issuer can invite users to access the covered bond area. This field can be edited at a later stage

#### **Please note:**

 The covered bond is created by default in EDW private area with controlled access.

#### 2.3 COVERED BOND DOCUMENT UPLOAD PROCESS



 An issuer can upload documents by clicking on "Documents" and selecting the relevant document types:

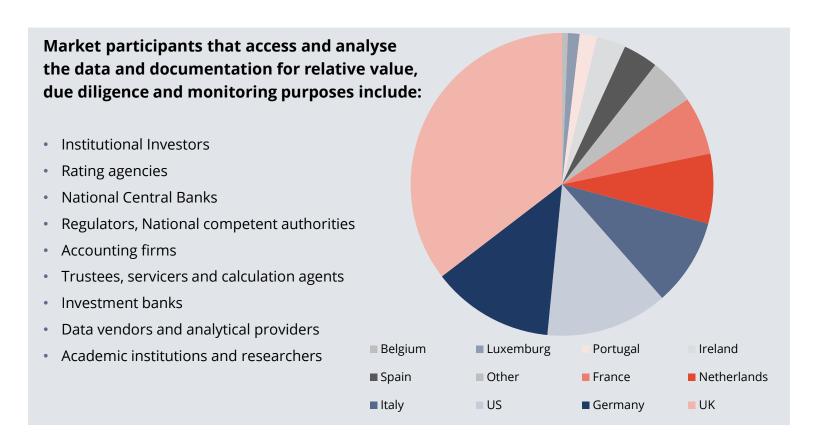
#### **Covered Bond Programme Documents**

- 201 Prospectuses
- 202 Program Documentation
- 203 Series Documentation
- 204 Investor Reports
- 205 Transparency Templates
- 206 Underlying Exposures Data
- 207 Financial Information
- 208 Other
- 2. An issuer can upload private documents related to a specific covered bond and define user access.

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#### 2.4 EDW DATA USER TYPES

EDW currently has more than 300 data user institutions including more than 170 institutional investors





### **CLOSING REMARKS**

### THANK YOU//CONTACT US

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