

### PwC Climate Risk Impairment Solution (CRIS)

Supporting clients in measuring IFRS 9 impairments stemming from climate related risks



- ✓ Scenarios short, medium and long term real-world macro-economic and climate scenarios - event and shock-driven scenarios
- ✓ Physical Risk Models best estimate and stress calibrations for Flood and Subsidence Risk
- ✓ Transition Risk Models sector level macroeconomic projections, energy performance regulation, retrofitting costs, energy mix evolution and costs
- ✓ Credit Risk Profile vulnerability assessment, climate adjusted climate risk profile - PD, LGD, Collateral Values and LTVs
- Integration with IFRS 9 Models revised credit risk profile, Stage transitions - quantitative and qualitative. Compatible with any existing IFRS 9 modelling suite
- Automated reporting solution and interactive dashboard allowing for portfolio level and account level outputs
- ✓ Retail and Commercial portfolios

#### Benefits

- Immediate insights in the portfolio risks and vulnerabilities in your portfolio and Assess the impacts of climate transition on your investment and financing activities
- ✓ Enhance your risk management strategies, Risk Appetite and Limites and proactively mitigate climate-risk
- ✓ Accelerate your roadmap for sustainability reporting disclosures - Transition Planning, International Sustainability Standards Board ("ISSB") and Corporate Sustainability Reporting Directive ("CSRD")
- Achieve alignment with the High Quality practices as prescribed by the <u>latest PRA Dear</u> CFO letter
- ✓ Full transparency on methodology and assumptions powered by trusted and reputable data sources enabling good Model Risk Management practices and SS 1/23 alignment
- ✓ Cost efficient solution and rapid turnaround of results





based





Secure

access



Interactive

analytics





### PwC Climate Risk Impairment Solution (CRIS) Portfolio overview



#### POLITOIIO OVELVIEW

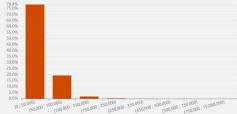
The portfolio has been successfully loaded in the application. This section provides the user with a general overview of the portfolio size, value, geographical distribution as well as key risk metrics such as loan to value, probability of default and loss given default.

Attribute	Value
Number of loans	100000
Total loan value	£18,808,333,600
Total collateral value	£32,024,230,886

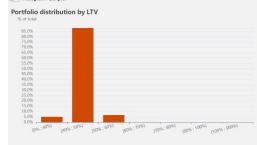
#### Portfolio summary and distribution

Histogram / Boxplot

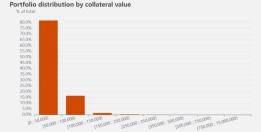
#### Portfolio distribution by exposure % of total



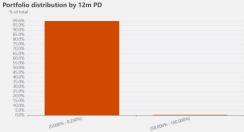




### Histogram / Boxplot

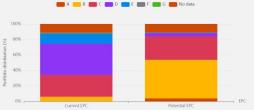


Histogram / Boxplot



#### Distribution by: Mortgage value / Collateral value





#### Histogram / Boxplot

#### Portfolio distribution by LGD



## PwC Climate Risk Impairment Solution (CRIS) Portfolio overview



#### Portfolio summary by geographical area

As physical risk is associated with the location of the properties, more initial insight is provided around the characteristics per UK Area Using the map chart on the right hand side, concentrations within the portfolio can be assessed in terms of the number of properties and their associated value.

#### Portfolio distribution in the UK

Please select a metric to plot

Exposure of portfolio in geographic area

The map will show the geographical distribution of the portfolio relative to the total exposure, number of mortgages and key risk indicators (PD, LGD and LTV). The colour indicate a potential level of concentrations in certain areas.

#### Exposure of portfolio in geographic area (£k)

Balance total



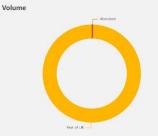


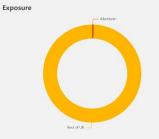
#### Area level detail

Select area to see detail

Aberdeen

Area	Volume	Total exposure Value (m£)	Total Property Value (m£)	LTV	Average PD	Average LGD	
Aberdeen	518	98	168	58.92%	1.57%	4.03%	

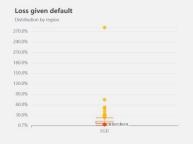












# PwC Climate Risk Impairment Solution (CRIS) Portfolio overview





Current EPC rating	Number of observations	Average refurb. costs (downturn)			
A	82	5,348	6,488		
В	4,521	7,826	9,596		
С	26,540	9,953	12,550		
D	40.629	16,164	20,915		
E	12,591	18,999	24,799		
F	1,438	20,954	27,331		
G	333	23,733	31,140		

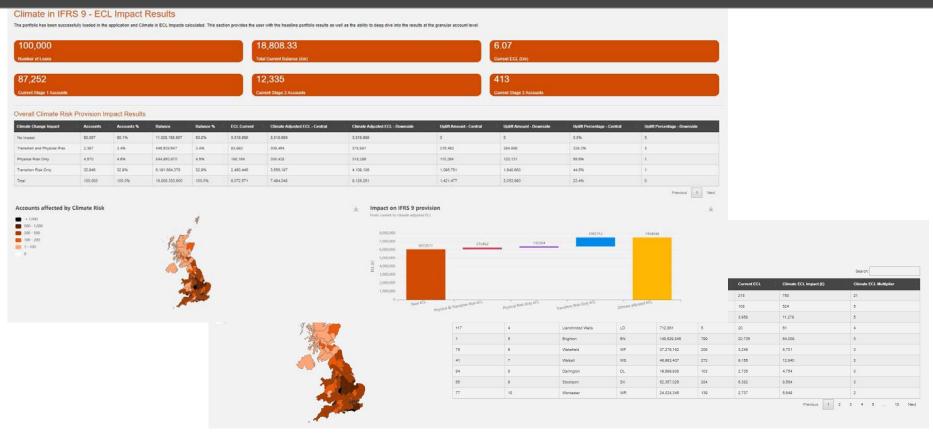
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CURRENT_ENERGY_RATING								Missing
A	100	0	0	0.	0	0	0	0
В	2,261	3,620	0	0	0	0	0	0
С	691	17,441	9,772	0	0	0	0	0
D	492	23,629	14,487	2,167	0	0	0	0
E	236	4,707	5,525	1,741	407	0	0	0
F	38	381	491	252	213	68	0	0
G	18	78	84	59	31	45	18	0
Missing	0	0	0	0	0	0	0	10,948

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## PwC Climate Risk Impairment Solution (CRIS) ECL impacts





## PwC Climate Risk Impairment Solution (CRIS) ECL Impacts - deepdive

