

Securitisation Data Report

European Structured Finance

Q4: 2015







Table of Contents

Ma	rket	Highlights and Commentary	4
		pean Securitisation Issuance (EUR m)	
		pean Securitisation Outstanding (EUR m)ed European Issuance: 4Q 15	
		•	
Ma	-	pcoming regulatory, legislative and policy initiatives	
1		Issuance European Historical Issuance	
		US and Australia Historical Issuance	
	1.3	European Issuance by Collateral	7
		European Issuance by Retention	
		Australia Issuance by Collateral	
	1.7	Issuance by Country of Collateral	8
		Issuance by Collateral Type and Country of Collateral: 4Q 15	
	1.9 1.10	European Issuance by Rating	
	1.11	US Issuance by Rating	9
		Securitisation Issuance by Deal Size: 3Q15	
2		standing	
		European Outstandings by Collateral	
	2.3	US Outstandings by Collateral	.11
	2.4	Outstandings by Country of Collateral: 2013-2014	
	2.5 2.6	European Outstandings by Moody's Investors Service Ratings	
	2.7	US Outstandings by Moody's Investors Service Ratings	.13
	2.8 2.9	Australian Outstandings by Vintage	
		European Outstandings by Vintage	
3		lit Quality – Rating Changes	
	3.1	DBRS	.16
	3.2	Fitch Ratings	
	3.3 3.4	Moody's Investors Service	
	3.5	DBRS - Europe	.17
	3.6 3.7	Fitch Ratings - Europe	
	3.8	Standard & Poor's - Europe	.17 .17
		DBRS - US	. 18
		Fitch Ratings - US	
	3.12	Standard & Poor's - US	.18
4	CME	S Spreads	. 19
		European 3-5 Yr AAA CMBS Spreads (bps)	.19
	4.2 4.3	European 3-5 Yr BBB CMBS Spreads (bps)	.19
		US 3 & 5 Yr BBB CMBS Spreads (bps)	
5		S Spreads	
	5.1	European 3-5 Yr AAA RMBS Spreads (bps)	.20
	5.2	European 3-5 Yr BBB RMBS Spreads (bps)	
		UK 3-5 Yr AAA RMBS Spreads (bps)UK 3-5 Yr BBB RMBS Spreads (bps)	
6		Spreads	
	6.1	European 1-4 Yr AAA ABS Spreads (bps)	.21
		US 3 Yr AAA ABS Spreads (bps)	
		US 3 Yr AAA ABS Spreads (bps)US 3 Yr BBB - AA ABS Spreads (bps)	
7		S Prices	
-	7.1	European 3-5 Yr AAA RMBS Prices	
	7.2	European 3 - 5 Yr BBB RMBS Prices	.22
	7.3	UK 3 - 5 Yr BBB RMBS PricesUK 3 - 5 Yr BBB RMBS Prices	
	7.4 7.5	Markit RMBS iBoxx	
8		SS and ABS Prices	
	8.1	Pan-European 3-5 Yr AAA CMBS Prices	.23
	8.2	Pan-European 3-5 Yr BBB CMBS Prices	.23
	8.3 8.4	Pan-European 1-4 AAA ABS Prices Pan-European 1-4 Yr BBB ABS Prices	
		1	

Table of Contents

9	Indices Data	24
	9.1 Securitised Index Option-Adjusted Spreads (bps)	24
	9.4 Australia AA	
	9.5 ABX.HE and CMBX Prices	
	9.6 PrimeX.ARM and FRM Prices	
	9.7 CMBX 6 AAA Prices	
10	Total Return Benchmark Data	26
	10.1 European Total Return	2.6
	10.1 European Total Return	26
	10.3 Europe ex UK RMBS AAA	26
11	Asset-Backed Commercial Paper	
	11.1 European ABCP Historical Issuance	
	11.1 European ABCP ristorical issuance	
	11.2 European ABCP Issuance by Nationality of Issuer	
	11.4 ABCP Outstandings by Nationality of Issuer	
	11.5 European ABCP Outstandings by Programme Type	
	11.6 US ABCP Outstandings by Programme Type	28
	11.7 US ABCP to AA Non-financial CP Spread	
12	Global Comparative Data	
	•	
	12.1 Global Securitisation Issuance	
	12.3 Global Government Bond Issuance	
	12.5 Global Government point issuance	2 3
Su	mmary of the Methodologies Adopted for this Report	30
Δn	nex	37
	IIVA	

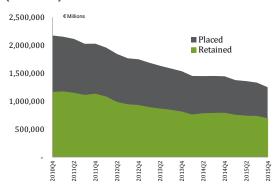
European Securitisation Issuance (EUR m)



Sources: AFME/SIFMA Members, AFME, Bloomberg, Dealogic,

"In Q4 2015, EUR 71.4 billion of securitised product was issued in Europe"

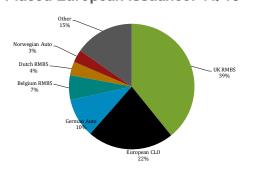
European Securitisation Outstanding (EUR m)



Sources: AFME/SIFMA Members, AFME, Bloomberg, Dealogic, Thomson Reuters, SIFMA

Note: Retained outstandings do not contain retained, then subsequently placed, issues when data are available. Placed deals include bank

Placed European Issuance: 4Q 15



Sources: Bloomberg, AFME & SIFMA Member Firms, Dealogic, AFME, SIFMA

Market Highlights and Commentary

Market Environment

Economic conditions

According to Eurostat, GDP rose by 0.3% quarter-over-quarter (QoQ) in the EU 19 and the EU 28 for the fourth quarter of 2015, unchanged (EU 19) or down slightly (0.4%, EU 28) from the prior quarter.

Term Issuance and Outstanding Volumes

In Q4 2015, EUR 71.4 billion of securitised product was issued in Europe, an increase of 25.0% from Q3 2015 (EUR 57.1 billion) and an increase of 19.3% from Q4 2014 (EUR 59.8 billion). Of the EUR 71.4 billion issued, EUR 15.5 billion was placed, representing 21.7% of issuance, compared to EUR 18.1 billion placed in Q3 2015 (representing 31.8%) and EUR 24.3 billion placed in Q4 2014 (representing 40.6%).

For the full year, EUR 213.7 billion of securitisations were issued in Europe, a decline of 1.5% from the prior year. Of this, EUR 81.5 billion were placed, representing 38.1% of totals, an improvement from the EUR 78.2 billion (36.0%) of securitisations placed in 2014.

For the fourth quarter, UK RMBS continued to lead placed totals (EUR 6.1 billion), followed by European CLOs (EUR 3.5 billion) and German auto ABS (EUR 1.6 billion). For the full year, placed issuance broadly reflected the same trends, with UK RMBS leading placed totals (EUR 20.1 billion), followed by PanEuropean CLOs (EUR 13.7 billion), and German auto ABS (EUR 11.4 billion).

Net issuance of securitised product remained negative, with EUR 1.25 trillion outstanding at the end of 4Q'15, down from EUR 1.33 trillion at the end of 3Q'15. Of this, EUR 690.4 billion, or 55.4%, were retained.

Credit Quality

In Europe, upgrades outpaced downgrades in Q4 2015 among European securitised product, with upgrades concentrated in European CLOs and CMBS.

ABCP Trends

European asset backed commercial paper (ABCP) issuance was EUR 114.3 billion in Q4 2015, an increase of 14.2% QoQ and an increase of 39.6% YoY. Multiseller conduits continue to dominate as the largest category of issuer in the ABCP market, particularly from Ireland and France. European ABCP outstandings decreased slightly from the previous quarter, ending the fourth quarter at EUR 18.3 billion, down by 9.6% from EUR 20.2 billion in Q3 2015.

"The speed of proceedings in Council the has been unprecedentedly fast and the attention has now moved to European Parliament. Here, however, the pace has slowed: the first exchange of Securitisation views on Regulation and CRRbe Amendment may now delayed to May 2016"

Major upcoming regulatory, legislative and policy initiatives

The European Commission's (EC) proposal for a securitisation regulation, defining "Simple, Standard and Transparent securitisation" (STS) was published on 30 September 2015, as part of the wider CMU Action Plan.

On 30 September the EC also published a Proposal for a regulation introducing a revised regulatory framework for capital charges for credit institutions and investment firms originating, sponsoring or investing in securitisation products (CRR Amendment). The EC's proposals were followed by the Council's General Approach published on 1 December. The speed of proceedings in the Council has been unprecedentedly fast and the attention has now moved to the European Parliament. Here, however, the pace has slowed: the first exchange of views on Securitisation Regulation and CRR Amendment may now be delayed to May 2016. At the same time, ESMA's work on disclosures in securitisation has been postponed until finalisation of the STS framework.

On 30 September the Commission launched a Call for Evidence on the EU regulatory framework, which aims to provide a wider review of all recently approved financial services regulations in the EU. AFME's cross-sector response was submitted on 31 January 2016.

Following its final report on criteria for identifying Simple, Transparent and Comparable (STC) securitisations, on 10 November 2015 the Basel/IOSCO Task Force on Securitisation Markets (TFSM) released its consultation paper on capital treatment of STC securitisations. AFME responded to this consultation on 5 February 2016 via GFMA.

On 5 October 2015, ESMA published its technical advice on CRA market competition. The issue of mandatory rotation of CRAs has been postponed for further assessment in 3-5 years.

On 30 November 2015, the EC proposed the new prospectus rules. The Delegated Regulation will be now discussed in the European Parliament and the Council.

On 15 December 2015, the EBA published its final Guidelines regarding limits on institutions' exposures to 'shadow banking entities'. SPVs not covered by consolidated prudential supervision are included in the scope of the guidelines.

On 17 December 2015 the EBA published its report to the European Commission on the implementation of the NSFR in Europe.

Major upcoming regulatory, legislative and policy initiatives

On 17 December 2015, the Basel Committee released a new consultation focused on "step in risk" which is defined as "the risk that a bank may provide financial support to an entity beyond or in the absence of any contractual obligations, should the entity experience financial stress". The consultation will close on 17 March 2016. AFME will be responding via GFMA.

On 18 December 2015, the EBA published a report summarising the findings of its analysis and market practice assessment of the synthetic securitisation market. The EBA supports the limited extension of the prudential treatment granted to STS to banks that originate and retain certain SME balance sheet synthetic securitisation positions, as in the Commission's legislative proposal on securitisation.

On 14 January 2016 the Basel final rules on Fundamental Review of the Trading Book (FRTB) have been published. Despite the BCBS's reiteration not to significantly increase overall capital requirements, trading book capital will increase by 40% under the new rules based on the BCBS's impact assessment.

On 20 January the EBA launched a consultation on draft Guidelines on implicit support for securitisation transactions. The objective of the Guidelines is to provide clarity on what constitutes arm's length conditions and when a transaction is not structured to provide support for securitisations. The consultation runs until 20 April 2016.

On 15 February the EBA published final draft Implementing Technical Standards (ITS) on the mapping of External Credit Assessment Institutions' (ECAIs) credit assessments for securitisation positions. The ITS in principal maintains the current mapping in place for all ECAIs

"Despite the BCBS's reiteration not to significantly increase overall capital requirements, trading book capital will increase by 40% under the new rules based on the BCBS's impact assessment."

1 Issuance

€ BILLIONS

1.1 Issuance European Historical Issuance

Q2 **Q4** TOTAL 2001 20.5 43.2 22.7 66.2 152.6 2002 24.3 42.6 35.7 55.1 157.7 2003 43.3 51.9 39.7 82.4 217.3 2004 59.0 75.5 55.8 53.2 243.5 2005 47.8 94.4 41.5 143.3 327.0 184.9 2006 69.0 481.0 114.3 112.8 2007 151.9 167.2 96.0 179.9 594.9 2008 194.7 157.5 419.2 818.747.3 2009 131.0 83.8 95.8 423.8 113.2 110.7 2010 75.5 32.5 159.2 377.9 2011 115.2 67.1 57.1 136.5 375.9 2012 61.6 67.7 60.2 63.9 253.4 2013 32.8 53.2 38.4 56.4 180.8 2014 19.9 99.5 37.7 59.8 217.0 2015 35.3 49.9 213.7 57.1 71.4

1.2 US and Australia Historical Issuance

	US	AU
2001	2,308.4	15.5
2002	2,592.7	19.4
2003	2,914.5	24.9
2004	1,956.6	31.7
2005	2,650.6	31.5
2006	2,455.8	36.8
2007	2,080.5	34.3
2008	934.9	6.6
2009	1,385.3	9.7
2010	1,203.7	15.5
2011	1,056.6	20.4
2012	1,579.2	14.8
2013	1,515.1	22.4
2014	1,131.5	22.1
2015	1,620.7	19.9

Sources: Bloomberg, Citigroup, Dealogic, Bank of America-Merrill Lynch, Deutsche Bank, JP Morgan, Macquarie, Thomson Reuters, Unicredit, AFME, SIFMA

1.3 European Issuance by Collateral

	2015:Q1	2015:Q2	2015:Q3	2015:Q4	TOTAL
ABS	9.9	17.6	11.5	25.9	64.8
CDO/CLO	3.2	5.0	2.5	3.5	14.2
CMBS	0.7	3.0	1.9	0.4	5.9
RMBS	16.6	19.6	35.7	29.1	101.0
SME	4.1	4.8	5.5	12.6	27.0
WBS/PFI	0.8	-	-	-	0.8
Total	35.3	49.9	57.1	71.4	213.7

2014:Q1	2014:Q2	2014:Q3	2014:Q4	TOTAL
5.4	12.1	13.6	16.8	47.9
3.1	3.1	4.3	4.3	14.8
1.4	0.3	1.6	3.0	6.3
6.5	65.4	15.5	23.4	110.8
1.7	17.6	2.5	11.4	33.3
1.8	1.0	0.2	0.8	3.7
19.9	99.5	37.7	59.8	217.0

1.4 European Issuance by Retention

	2015:Q1	2015:Q2	2015:Q3	2015:Q4	TOTAL
Placed	19.7	28.1	18.1	15.5	81.5
Retained	15.5	21.8	39.0	55.9	132.2
Total ²	35.3	49.9	57.1	71.4	213.7

2014:Q1	2014:Q2	2014:Q3	2014:Q4	TOTAL
14.6	19.6	19.6	24.3	78.2
5.3	79.9	18.1	35.5	138.8
19.9	99.5	37.7	59.8	217.0

1.5 Australia Issuance by Collateral

	2015:Q1	2015:Q2	2015:Q3	2015:Q4	TOTAL
ABS	1.4	1.0	0.5	1.3	4.2
RMBS	6.4	3.4	4.7	1.0	15.5
CMBS	-	-	0.2	0.0	0.2
Total	7.8	4.4	5.4	2.3	19.9

2014:Q1	2014:Q2	2014:Q3	2014:Q4	TOTAL
0.4	0.9	0.7	1.0	3.0
3.9	4.5	5.3	5.4	19.0
-	0.1	-	-	0.1
4.3	5.4	6.0	6.4	22.1

1.6 US Issuance by Collateral

	2015:Q1	2015:Q2	2015:Q3	2015:Q4	TOTAL
ABS	55.4	54.6	35.5	30.6	176.1
CDO	25.4	22.5	16.8	13.9	78.6
Agency MBS	267.6	335.6	325.9	275.0	1,204.2
Non-Agency CMBS	26.5	23.9	22.1	20.0	92.5
Non-Agency RMBS	24.8	16.7	12.4	15.4	69.4
Total	399.8	453.3	412.7	354.8	1,620.7

2014:Q1	2014:Q2	2014:Q3	2014:Q4	TOTAL
40.2	51.3	42.7	35.7	169.8
15.7	25.9	22.7	18.0	82.3
142.4	162.7	223.2	229.8	758.1
14.6	16.2	25.6	22.0	78.4
5.9	7.0	11.5	18.6	43.0
218.7	263.0	325.7	324.1	1,131.5

Sources: Bank of America Merrill-Lynch, Bloomberg, Citigroup, Dealogic, Deutsche Bank, JP Morgan, Macquarie, Thomson Reuters, Unicredit, AFME, SIFMA

€ BILLIONS

1.7 Issuance by Country of Collateral

	2015:Q1	2015:Q2	2015:Q3	2015:Q4	TOTAL
Belgium	0.0	-	-	1.2	1.2
Denmark	-	-	-	-	0.0
France	1.3	2.9	0.7	12.2	17.0
Germany	3.6	7.8	25.5	8.2	45.1
Greece	-	-	-	-	0.0
Ireland	0.2	0.2	-	0.3	0.7
Italy	1.3	8.9	10.0	12.3	32.5
Netherlands	9.9	3.9	6.6	1.1	21.4
Portugal	1.6	0.8	0.6	1.8	4.9
Spain	3.0	10.6	2.7	9.9	26.2
UK	10.9	7.8	8.0	19.0	45.7
PanEurope	3.2	5.2	3.0	3.6	15.0
Other Europe	0.2	0.7	0.1	1.8	2.8
Multinational	-	1.2	-	-	1.2
European Total	35.3	49.9	57.1	71.4	213.7
Australia Total	7.8	4.4	5.4	2.3	19.9
US Total	399.8	453.3	412.7	354.8	1,620.7

2014:Q1	2014:Q2	2014:Q3	2014:Q4	TOTAL
-	4.1	-	-	4.1
-	-	-	0.0	0.0
-	45.0	0.4	5.2	50.6
3.4	5.1	6.8	3.1	18.3
-	-	0.2	-	0.2
-	-	-	2.1	2.1
1.1	8.7	5.3	4.6	19.6
6.0	11.8	3.0	4.4	25.2
1.6	0.4	0.9	-	2.9
-	3.9	7.7	15.7	27.2
4.8	16.7	8.3	19.4	49.1
3.1	3.3	4.4	4.6	15.4
-	0.6	0.8	0.5	1.9
-	-	-	0.2	0.2
19.9	99.5	37.7	59.8	217.0
4.3	5.4	6.0	6.4	22.1
218.7	263.0	325.7	324.1	1,131.5

1.8 Issuance by Collateral Type and Country of Collateral: 4Q 15

	ABS	CDO/CLO	CMBS	RMBS	SME	WBS/PFI	TOTAL
Belgium	-	-	-	1.2	-	-	1.2
Denmark	-	-	-	-	-	-	-
France	2.2	-	-	10.0	-	-	12.2
Germany	5.6	-	-	-	2.5	-	8.2
Greece	-	-	-	-	-	-	-
Ireland	0.3	-	-	-	-	-	0.3
Italy	8.9	-	-	0.7	2.7	-	12.3
Netherlands	-	-	-	1.1	-	-	1.1
Portugal	0.6	-	-	1.2	-	-	1.8
Spain	0.3	-	-	2.2	7.4	-	9.9
UK	6.1	-	0.3	12.6	-	-	19.0
PanEurope	-	3.5	0.1	-	-	-	3.6
Other Europe	1.8	-	-	-	-	-	1.8
Multinational	-	-	-	-	-	-	-
European Total	25.9	3.5	0.4	29.1	12.6	-	71.4

				NO N-	NON-	
			AGENCY	AGENCY	AGENCY	
	ABS	CDO	MBS	CMBS	RMBS	TOTAL
Australia Total	1.3	-	-		1.0	2.3
US Total	30.6	13.9	275.0	20.0	15.4	354.8

Sources: Bloomberg, Citigroup, Dealogic, Bank of America-Merrill Lynch, Deutsche Bank, JP Morgan, Macquarie, Thomson Reuters, Unicredit, AFME, SIFMA

€ BILLIONS

1.9 European Issuance by Rating

	2015:Q1	2015:Q2	2015:Q3	2015:Q4	TOTAL
AAA	24.4	17.2	16.4	33.5	91.5
AA	1.7	11.6	25.2	13.3	51.7
Α	4.9	7.4	6.0	10.7	29.1
BBB & Below	2.1	4.3	1.9	4.0	12.4
Not Rated	2.2	9.4	7.6	9.8	29.0
European Total2	35.3	49.9	57.1	71.4	213.7

2014:Q1	2014:Q2	2014:Q3	2014:Q4	TOTAL
9.9	66.4	16.1	22.6	115.0
1.8	4.6	1.8	5.3	13.6
3.2	11.1	13.4	18.3	46.0
2.6	3.0	1.9	6.0	13.4
2.4	14.5	4.5	7.6	28.9
19.9	99.5	37.7	59.8	217.0

1.10 Australia Issuance by Rating

	2015:Q1	2015:Q2	2015:Q3	2015:Q4	TOTAL
AAA	7.1	3.6	4.9	1.9	17.5
AA	0.3	0.4	0.2	0.3	1.2
A	0.2	0.1	0.1	0.0	0.4
BBB & Below	0.0	0.1	0.1	0.0	0.2
Not Rated	0.2	0.2	0.1	0.1	0.6
US Total	7.8	4.4	5.4	2.3	19.9

2014:Q1	2014:Q2	2014:Q3	2014:Q4	TOTAL
4.0	4.5	5.5	5.9	20.0
0.1	0.6	0.1	0.1	0.9
0.1	0.0	0.2	0.0	0.4
0.0	0.1	0.0	0.1	0.2
0.1	0.2	0.1	0.3	0.6
4.3	5.4	6.0	6.4	22.1

1.11 US Issuance by Rating

	2015:Q1	2015:Q2	2015:Q3	2015:Q4	TOTAL
AAA	57.6	45.9	38.7	40.8	183.0
AA	5.8	5.1	4.5	5.4	20.8
A	7.6	6.7	3.2	5.2	22.8
BBB & Below	11.6	8.7	5.3	7.7	33.2
Not Rated	49.6	51.4	35.1	20.7	156.8
Agency MBS	267.6	335.6	325.9	275.0	1,204.2
US Total	399.8	453.3	412.7	354.8	1,620.7

2014:Q1	2014:Q2	2014:Q3	2014:Q4	TOTAL
50.8	53.8	50.6	51.3	206.5
5.7	6.6	6.0	5.7	24.1
3.9	6.4	5.5	7.4	23.1
5.6	8.8	8.3	6.8	29.5
10.4	24.8	32.0	23.1	90.3
142.4	162.7	223.2	229.8	758.1
218.7	263.0	325.7	324.1	1,131.5

Sources: Bank of America-Merrill Lynch, Bloomberg, Citigroup, Dealogic, Deutsche Bank, JP Morgan, Macquarie, Thomson Reuters, Unicredit, AFME, SIFMA

1.12 Securitisation Issuance by Deal Size: 3Q15

	INCLUDING RETAINED DEALS							
	EUR	ОРЕ	Aust	ralia	US			
	# of Issues	€ Billions	# of Issues	€ Billions	# of Issues	€ Billions		
Less than 0.01 Billion	0%	0%	N/A	N/A	0%	0%		
0.01-0.1 Billion	0%	1%	N/A	N/A	3%	1%		
0.1-1.0 Billion	12%	61%	N/A	N/A	56%	39%		
More than 1.0 Billion	3%	38%	N/A	N/A	8%	9%		
Agency MBS	N/A	N/A	N/A	N/A	19%	52%		
Total	100%	100%	100%	100%	100%	100%		

4Q15

EXCLUDING RETAINED DEALS				INCLUDING RETAINED DEALS								
	EUR	OPE	Aust	ralia	บ	S	EUR	OPE	Aust	ralia	US	
	# of Issues	€ Billions	# of Issues	€ Billions	# of Issues	€ Billions	# of Issues	€ Billions	# of Issues	€ Billions	# of Issues	€ Billions
Less than 0.01 Billion	9%	0%	0%	0%	7%	0%	10%	0%	0%	0%	8%	0%
0.01-0.1 Billion	40%	6%	0%	0%	50%	13%	44%	7%	0%	0%	49%	13%
0.1-1.0 Billion	48%	69%	56%	27%	22%	33%	44%	69%	100%	100%	22%	34%
More than 1.0 Billion	2%	25%	44%	73%	0%	2%	2%	24%	0%	0%	0%	2%
Agency MBS	0%	0%	N/A	N/A	21%	52%	0%	0%	N/A	N/A	20%	52%
Total	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

Sources: Bank of America-Merrill Lynch, Bloomberg, Citigroup, Dealogic, Deutsche Bank, JP Morgan, Macquarie, Thomson Reuters, Unicredit, AFME, SIFMA

2 Outstanding

€ BILLIONS

2.1 European Outstandings by Collateral

	2015:Q1	2015:Q2	2015:Q3	2015:Q4
ABS	195.7	202.1	191.4	190.5
CDO/CLO	108.5	108.1	102.1	103.0
CMBS	82.9	82.9	81.7	77.6
RMBS	812.5	791.9	786.8	716.1
SME	100.1	97.0	95.8	88.8
WBS/PFI	72.5	72.4	70.2	69.6
Total	1,372.3	1,354.4	1,328.1	1,245.6

2014:Q1	2014:Q2	2014:Q3	2014:Q4
193.1	188.0	195.1	199.6
130.5	121.1	121.2	118.7
95.7	87.3	85.5	86.0
849.8	869.6	866.7	855.7
104.3	104.3	104.4	106.9
73.2	74.0	73.7	73.9
1,446.5	1,444.3	1,446.5	1,440.7

2.2 Australia Outstandings by Collateral

	2015:Q1	2015:Q2	2015:Q3	2015:Q4
ABS	7.7	7.5	6.4	7.1
CMBS	0.3	0.3	0.4	0.3
RMBS	57.4	54.9	49.6	50.4
Total	65.4	62.7	56.4	57.8

2014:Q1	2014:Q2	2014:Q3	2014:Q4
6.4	6.7	6.7	6.8
0.4	0.3	0.4	0.3
51.0	52.6	53.1	52.7
57.9	59.6	60.2	59.8

2.3 US Outstandings by Collateral

	2015:Q1	2015:Q2	2015:Q3	2015:Q4
ABS	1,284.7	1,268.4	1,257.3	1,221.7
Agency MBS	5,609.3	5,449.7	5,499.5	5,718.0
Non-Agency RMBS	892.0	840.8	811.0	806.1
Non-Agency CMBS	589.9	565.8	554.4	536.8
Total	8,375.9	8,124.6	8,122.2	8,282.7

2014:Q1	2014:Q2	2014:Q3	2014:Q4
931.8	935.0	1,052.2	1,118.1
4,296.5	4,329.6	4,721.7	4,966.6
768.6	727.7	786.3	803.2
452.1	447.5	497.0	520.8
6,449.1	6,439.8	7,057.3	7,408.6

Sources: Bloomberg (US & Europe), Fannie Mae (US), Federal Reserve (US), Freddie Mac (US), Ginnie Mae (US), Loan Performance (US), Dealogic (US), Macquarie (Australia), Thomson Reuters (US), AFME & SIFMA Estimates (US & Europe)

€ BILLIONS

2.4 Outstandings by Country of Collateral: 2013-2014

	2014:Q1	2014:Q2	2014:Q3	2014:Q4
Austria	2.3	2.2	2.2	2.2
Belgium	80.3	77.2	76.6	74.5
Finland	1.0	0.9	0.8	1.2
France	32.9	68.8	69.3	72.0
Germany	73.4	70.5	74.7	72.0
Greece	26.3	25.7	25.1	25.1
Ireland	37.3	36.7	35.3	36.6
Italy	175.7	169.9	169.5	165.2
Netherlands	258.7	259.5	258.2	254.7
Portugal	37.7	36.1	36.0	35.2
Russia	1.2	1.1	0.9	0.5
Spain	168.7	162.5	167.6	176.3
Turkey	2.0	1.8	1.8	1.7
UK	420.7	411.7	408.4	406.5
Other	4.7	4.7	5.1	4.7
PanEurope	49.0	46.9	50.1	51.0
Multinational	74.7	68.0	65.0	61.4
European Total	1,446.5	1,444.3	1,446.5	1,440.7
Australia Total	57.9	59.6	60.2	59.8
US Total	6,449.1	6,439.8	7,057.3	7,408.6

2013:Q1	2013:Q2	2013:Q3	2013:Q4
2.1	2.1	2.1	2.3
88.3	86.7	85.2	81.4
0.3	0.2	0.2	1.1
42.2	42.7	37.8	38.2
86.1	85.9	78.5	78.9
33.4	30.3	29.3	27.6
47.1	46.4	44.0	38.5
205.9	198.7	194.9	187.7
277.7	279.1	281.6	263.8
40.7	40.0	39.8	38.7
1.8	1.6	1.6	1.3
200.2	186.4	181.6	183.7
2.0	1.8	1.6	2.2
485.3	469.7	453.7	445.7
4.7	4.6	4.7	5.2
58.5	55.3	53.5	52.7
106.5	97.0	89.9	83.3
1,682.9	1,628.3	1,580.0	1,532.3
69.2	60.3	59.8	56.3
6,882.0	6,780.2	6,524.8	6,459.9

2015

	2015:Q1	2015:Q2	2015:Q3	2015:Q4
Austria	2.2	1.9	1.8	2.1
Belgium	69.8	67.7	65.8	65.7
Finland	1.1	1.0	1.0	1.2
France	70.3	70.4	69.6	77.9
Germany	71.2	68.5	88.7	62.9
Greece	24.2	24.2	21.4	20.6
Ireland	35.9	34.7	33.5	32.0
Italy	156.9	158.0	154.9	140.9
Netherlands	247.0	243.5	240.3	215.9
Portugal	34.5	34.0	32.1	31.5
Russia	0.5	0.4	0.4	0.4
Spain	170.4	170.5	163.6	159.7
Turkey	1.6	1.5	1.5	1.4
UK	374.0	365.2	347.4	327.0
Other	4.4	4.7	4.1	4.7
PanEurope	52.0	54.2	54.1	57.0
Multinational	56.5	53.8	47.9	44.8
European Total	1,372.3	1,354.4	1,328.1	1,245.6
Australia Total	65.4	62.7	56.4	57.8
US Total	8,375.9	8,124.6	8,122.2	8,282.7

Sources: Bloomberg (US & Europe), Fannie Mae (US), Federal Reserve (US), Freddie Mac (US), Ginnie Mae (US), Loan Performance (US), Dealogic (US), Macquarie (Australia), Thomson Reuters (US), AFME & SIFMA Estimates (US & Europe)

2.5 European Outstandings by Moody's Investors Service Ratings (as a percentage of total Moody's rated securitisations)

	2015:Q1	2015:Q2	2015:Q3	2015:Q4
Aaa/AAA	44.63%	45.48%	46.42%	47.29%
Aa/AA	23.14%	26.00%	28.49%	28.69%
A/A	17.61%	15.63%	13.43%	13.18%
Baa/BBB	8.01%	6.65%	5.74%	5.14%
Ba/BB	2.95%	2.13%	1.96%	1.91%
B/B	1.62%	2.04%	1.16%	1.21%
Caa/CCC	0.97%	1.02%	1.73%	1.63%
Ca/CC	0.75%	0.71%	0.73%	0.62%
C/C	0.33%	0.34%	0.35%	0.34%
Total	100.00%	100.00%	100.00%	100.00%

2014:Q1	2014:Q2	2014:Q3	2014:Q4
45.56%	44.30%	44.79%	44.63%
7.59%	9.21%	9.88%	9.56%
25.35%	23.44%	26.33%	29.39%
12.95%	15.34%	11.52%	9.63%
3.91%	3.43%	3.58%	2.99%
1.37%	1.89%	1.62%	1.67%
1.72%	1.32%	1.22%	1.06%
0.93%	0.71%	0.70%	0.75%
0.62%	0.34%	0.35%	0.32%
100.00%	100.00%	100.01%	99.99%

2.6 Australia Outstandings by Standard and Poor's Ratings (as a percentage of total S&P rated securitisations)

	2015:Q1	2015:Q2	2015:Q3	2015:Q4
Aaa/AAA	88.44%	87.80%	87.99%	87.30%
Aa/AA	4.92%	5.34%	5.20%	5.58%
A/A	2.63%	2.66%	2.51%	2.60%
Baa/BBB	0.79%	0.76%	0.74%	0.73%
Ba/BB	0.33%	0.32%	0.32%	0.31%
B/B	0.07%	0.08%	0.09%	0.10%
Caa/CCC	0.00%	0.00%	0.00%	0.00%
Ca/CC	0.00%	0.00%	0.00%	0.00%
C/C	0.02%	0.02%	0.02%	0.02%
D	0.00%	0.00%	0.00%	0.00%
NR	2.80%	3.02%	3.13%	3.36%
Total	100.00%	100.00%	100.00%	100.00%

2014:Q1	2014:Q2	2014:Q3	2014:Q4
88.04%	87.58%	87.97%	88.17%
6.71%	6.92%	6.52%	5.45%
1.82%	1.82%	1.79%	2.38%
0.87%	0.87%	0.84%	0.82%
0.38%	0.37%	0.37%	0.35%
0.05%	0.06%	0.05%	0.07%
0.01%	0.01%	0.01%	0.00%
0.00%	0.00%	0.00%	0.00%
0.02%	0.02%	0.02%	0.02%
0.00%	0.00%	0.00%	0.00%
2.11%	2.34%	2.42%	2.73%
100.00%	100.00%	100.00%	100.00%

2.7 US Outstandings by Moody's Investors Service Ratings (as a percentage of total Moody's rated securitisations)

	2015:Q1	2015:Q2	2015:Q3	2015:Q4
Aaa/AAA	28.30%	28.67%	28.90%	28.72%
Aa/AA	4.61%	4.88%	4.61%	4.79%
A/A	6.20%	6.21%	6.36%	6.38%
Baa/BBB	7.65%	7.55%	7.68%	7.82%
Ba/BB	6.67%	6.55%	6.37%	6.25%
B/B	6.85%	6.79%	6.61%	6.55%
Caa/CCC	19.85%	19.62% 19.66%		19.65%
Ca/CC	11.22%	11.23%	11.43%	11.55%
C/C	8.64%	8.50%	8.39%	8.30%
Total	100.00%	100.00%	100.00%	100.00%

2014:Q1	2014:Q2	2014:Q3	2014:Q4
27.41%	27.45%	27.51%	27.94%
6.02%	4.82%	4.89%	4.92%
7.20%	6.50%	6.33%	6.23%
6.24%	7.67%	7.73%	7.75%
5.93%	6.28%	6.45%	6.44%
6.75%	7.19%	7.08%	7.00%
20.34%	19.97%	19.97%	19.74%
10.50%	11.22%	11.30%	11.31%
9.62%	8.91%	8.75%	8.68%
100.00%	100.00%	100.00%	100.00%

Sources: Macquarie, Moody's Investors Service, Standard and Poor's

€ BILLIONS

2.8 Australian Outstandings by Vintage

	2015:Q1	2015:Q2	2015:Q3	2015:Q4
2015	7.8	11.5	14.7	17.0
2014	19.2	17.3	14.5	14.3
2013	13.5	12.1	10.0	9.8
2012	5.8	5.0	4.1	4.0
2011	6.1	5.4	4.3	4.3
2010	3.6	3.2	2.6	2.6
2009	1.7	1.6	1.3	1.3
2008	0.4	0.4	0.3	0.3
2007	3.6	3.3	2.4	2.3
2006	2.6	2.0	1.4	1.2
2005	0.5	0.4	0.3	0.3
2004	0.3	0.3	0.2	0.2
2003	0.0	0.0	0.0	0.0
2002	0.1	0.1	0.0	0.0
2001	0.1	0.1	0.1	0.1
2000	0.0	0.0	0.0	0.0
Prior	0.0	0.0	0.0	0.0
Total	65.4	62.7	56.4	56.4

2.9 European Outstandings by Vintage

	2015:Q1	2015:Q2	2015:Q3	2015:Q4
2015	35.7	84.3	135.1	147.2
2014	193.3	186.9	181.5	174.8
2013	141.9	135.6	130.4	121.5
2012	137.6	126.9	116.8	104.2
2011	132.0	126.1	117.3	95.3
2010	139.2	133.0	125.3	114.9
2009	82.9	79.7	68.5	66.4
2008	130.1	117.4	112.3	104.5
2007	133.1	125.6	113.9	105.8
2006	111.3	107.7	101.7	93.5
2005	48.4	46.4	44.3	39.4
2004	31.6	30.8	29.9	28.1
2003	21.6	21.0	19.9	19.4
2002	9.0	8.9	8.5	8.2
2001	10.5	10.3	8.7	8.5
2000	4.1	4.0	4.0	3.9
Prior	10.2	10.1	10.1	9.9
Total	1,372.3	1,354.4	1,328.1	1,245.6

2014:Q1	2014:Q2	2014:Q3	2014:Q4
N/A	N/A	N/A	N/A
4.3	9.5	14.7	19.7
17.1	16.3	15.3	13.9
7.9	7.4	6.8	6.0
8.4	7.8	7.1	6.3
4.8	4.6	4.2	3.8
2.8	2.4	2.2	1.8
0.6	0.5	0.5	0.4
5.3	5.1	4.3	3.9
4.4	4.2	3.5	2.8
1.4	1.2	1.0	0.7
0.4	0.4	0.3	0.3
0.0	0.0	0.0	0.0
0.1	0.1	0.1	0.1
0.1	0.1	0.1	0.1
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
57.9	59.6	60.2	59.8

2014:Q1	2014:Q2	2014:Q3	2014:Q4
N/A	N/A	N/A	N/A
19.3	108.4	145.3	199.9
159.7	152.0	150.5	146.4
186.2	168.9	164.0	156.2
193.6	179.4	170.2	159.3
167.3	158.1	156.5	150.8
112.4	103.6	100.8	91.1
151.9	144.3	143.2	136.1
161.3	149.9	146.9	140.3
134.9	127.6	123.0	116.5
58.9	55.7	53.4	51.9
37.1	35.5	33.8	34.0
25.3	23.9	23.6	23.2
10.3	10.0	9.7	9.6
11.0	10.7	10.6	10.7
6.4	5.4	4.2	4.1
11.0	10.9	10.8	10.6
1,446.5	1,444.3	1,446.5	1,440.7

Sources: Bloomberg, Macquarie, AFME, SIFMA

€ BILLIONS

2.10 European Outstandings by Country and Collateral: 3Q 2015

	ABS	CDO/CLO	CMBS	RMBS	SME	WBS/PFI	TOTAL
Austria	0.2	-	0.0	1.6	-	-	1.8
Belgium	0.0	-	0.2	47.9	17.7	-	65.8
Finland	0.5	-	-	-	-	0.5	1.0
France	18.1	-	0.5	50.1	0.3	0.5	69.6
Germany	45.4	0.4	6.5	31.8	4.4	0.0	88.7
Greece	9.8	1.8	0.2	3.3	6.3	-	21.4
Ireland	0.0	0.1	0.2	33.3	-	-	33.5
Italy	46.5	1.7	9.3	74.6	22.4	0.3	154.9
Netherlands	3.9	0.6	1.6	226.9	7.3	-	240.3
Portugal	3.5	-	-	21.9	6.6	-	32.1
Russia	0.0	-	-	0.4	-	-	0.4
Spain	21.0	0.4	0.1	119.5	22.7	0.0	163.6
Turkey	1.5	-	-	-	-	-	1.5
UK	36.0	8.5	52.5	174.6	7.6	68.2	347.4
Other	3.3	0.3	-	0.6	-	-	4.1
PanEurope	1.2	44.3	7.7	0.2	0.5	0.2	54.1
Multinational	0.5	44.0	2.9	-	-	0.5	47.9
European Total	191.4	102.1	81.7	786.8	95.8	70.2	1328.1

4Q15

	ABS	CDO/CLO	CMBS	RMBS	SME	WBS/PFI	TOTAL
Austria	0.5	-	-	1.6	-	-	2.1
Belgium	0.2	-	0.1	47.7	17.6	-	65.7
Finland	0.7	-	-	-	-	0.5	1.2
France	17.4	-	0.4	59.3	0.3	0.5	77.9
Germany	45.9	0.3	6.3	6.1	4.3	0.0	62.9
Greece	9.7	1.8	0.2	2.6	6.3	-	20.6
Ireland	0.27	0.1	0.2	31.5	-	-	32.0
Italy	45.1	1.7	8.7	67.7	17.4	0.3	140.9
Netherlands	3.8	0.6	1.5	203.2	6.8	-	215.9
Portugal	2.6	-	-	22.7	6.1	-	31.5
Russia	0.0	-	-	0.4	-	-	0.4
Spain	19.1	0.4	0.1	118.1	22.0	0.0	159.7
Turkey	1.4	-	-	-	-	-	1.4
UK	38.2	8.5	50.8	154.5	7.5	67.5	327.0
Other	3.9	0.2	-	0.5	-	-	4.7
PanEurope	1.2	48.5	6.4	0.2	0.5	0.2	57.0
Multinational	0.5	41.0	2.8	-	_	0.5	44.8
European Total	190.5	103.0	77.6	716.1	88.8	69.6	1245.6

Sources: Bloomberg, AFME, SIFMA

3 Credit Quality – Rating Changes

Upgrades/Downgrades by Country

3.1 DBRS

	2015:Q1	2015:Q2	2015:Q3	2015:Q4	TOTAL
France	0/0	0/0	0/0	0/0	0/0
Germany	1/0	0/0	5/0	0/0	6/0
Italy	3/0	5/1	8/0	9/0	25/1
Netherlands	0/0	0/0	0/0	0/0	0/0
Spain	0/3	20/0	1/7	5/8	26/18
UK	0/0	1/1	0/0	0/0	1/1
Multinational	0/3	0/7	2/5	4/0	6/15
European Total	4/6	26/9	16/12	18/8	64/35
US	391/18	485/36	12/4	24/9	912/67

2014:Q1	2014:Q2	2014:Q3	2014:Q4	TOTAL
0/0	0/0	1/0	0/0	1/0
2/0	4/0	3/2	1/0	10/2
3/0	2/1	3/0	0/0	8/1
0/0	0/0	0/0	0/0	0/0
0/3	20/1	0/0	3/0	23/4
0/0	4/0	0/0	0/0	4/0
0/0	4/2	1/0	0/0	5/2
5/3	34/4	8/2	4/0	51/9
177/16	264/25	549/64	30/13	1020/118

3.2 Fitch Ratings

	2015:Q1	2015:Q2	2015:Q3	2015:Q4	TOTAL
France	0/0	0/2	0/0	5/0	5/2
Germany	19/10	3/6	8/12	22/14	52/42
Italy	2/7	5/10	9/7	1/6	17/30
Netherlands	2/3	3/3	2/3	1/8	8/17
Spain	11/24	35/6	24/17	18/4	88/51
UK	34/17	76/28	102/8	28/13	148/66
Multinational	0/0	0/0	0/0	0/0	0/0
European Total	68/62	127/67	167/69	85/47	447/245
US	330/602	365/109	364/690	1,251/332	2310/1733

2014:Q1	2014:Q2	2014:Q3	2014:Q4	TOTAL
2/6	3/0	0/4	2/3	7/13
11/23	7/15	19/4	11/8	48/50
7/6	1/9	5/6	11/9	24/30
0/0	0/4	9/17	7/4	16/25
14/12	136/26	52/12	37/17	239/67
33/36	90/33	61/17	69/22	253/108
0/0	0/0	2/0	0/1	2/1
67/84	242/139	198/67	157/90	664/380
569/1353	528/612	210/396	1822/909	3129/3270

3.3 Moody's Investors Service

	2015:Q1	2015:Q2	2015:Q3	2015:Q4	TOTAL
France	1/2	0/0	0/0	0/0	1/2
Germany	4/3	1/2	6/4	1/1	12/10
Italy	124/6	69/0	7/2	31/5	231/13
Netherlands	3/7	8/0	30/0	0/0	41/7
Spain	420/7	0/0	257/7	14/5	691/19
UK	12/12	223/1	59/12	219/0	513/25
Multinational	107/7	86/10	87/2	132/3	412/22
European Total	671/44	387/13	446/27	407/14	1911/98
US	1258/440	1744/404	1183/261	1707/336	5892/1441

2014:Q1	2014:Q2	2014:Q3	2014:Q4	TOTAL
0/0	0/0	0/0	0/0	0/0
1/7	0/1	4/13	0/7	5/28
0/3	1/3	2/0	0/0	3/6
0/1	0/10	0/1	0/0	0/12
63/8	9/1	158/17	174/4	404/30
124/58	30/32	63/39	34/53	251/182
196/29	174/43	149/8	163/7	682/87
384/106	214/90	376/78	371/71	1345/345
1172/434	1960/441	1886/444	1036/318	6054/1637

3.4 Standard & Poor's

	2015:Q1	2015:Q2	2015:Q3	2015:Q4	TOTAL
France	2/2	1/1	0/0	2/0	5/3
Germany	2/2	2/8	4/7	3/2	11/19
Italy	9/47	0/4	3/0	0/4	12/55
Netherlands	0/0	1/2	0/0	1/5	2/7
Spain	17/102	0/0	0/0	31/16	48/118
UK	31/18	64/47	28/339	24/85	147/489
Multinational	68/37	115/24	113/24	138/24	434/109
European Total	129/208	183/86	148/370	199/136	659/800
US	403/482	290/726	738/729	943/695	2374/2632

2014:Q1	2014:Q2	2014:Q3	2014:Q4	TOTAL
0/3	2/3	1/0	0/0	3/6
11/1	7/24	0/12	3/8	21/45
0/11	2/5	6/5	6/164	14/185
0/2	3/0	5/17	4/3	12/22
2/22	57/15	5/11	8/74	72/122
29/34	105/18	28/24	43/21	205/97
67/53	140/66	150/55	92/37	449/211
109/126	316/131	195/124	156/307	776/688
466/743	526/878	528/553	467/511	1987/2685

Sources: DBRS, Fitch Ratings, Moody's Investors Service, Standard & Poor's

Upgrades/Downgrades by Collateral

3.5 DBRS - Europe

	2015:Q1	2015:Q2	2015:Q3	2015:Q4	TOTAL
Auto	1/0	4/0	6/0	3/0	14/0
CDO	3/1	18/0	1/1	6/4	28/6
CMBS	0/2	1/8	0/5	0/0	1/15
Credit Card	0/0	0/0	6/0	5/2	11/2
RMBS (prime)	0/3	0/0	3/5	4/2	7/10
RMBS (non-prime)	0/0	0/1	0/1	0/0	0/2
Other ABS	0/0	3/0	/0	0/0	3/0
Total	4/6	26/9	16/12	18/8	64/35

5/0 4/0 12/0 2/0 3/2 14/0 3/0 22/2 0/0 0/0 0/0 1/0 1/0 0/0 0/0 0/0 0/0 0/0 0/0 2/3 0/0 2/4 0/1 0/0 0/0 0/0 3/1 3/1 0/0 10/0 1/2 0/0 11/2 5/3 34/4 8/2 4/0 51/9

3.6 Fitch Ratings - Europe

	2015:Q1	2015:Q2	2015:Q3	2015:Q4	TOTAL
Auto	2/0	2/0	6/0	3/0	13/0
Credit Card	0/0	2/0	0/0	0/1	2/1
Other ABS	5/3	7/4	5/5	8/1	25/13
CDO	15/4	33/16	35/8	32/8	115/36
CMBS	11/18	1/26	2/16	2/21	16/81
RMBS (prime)	18/27	82/14	46/40	21/9	167/90
RMBS (non-conforming)	17/10	0/7	73/0	19/7	109/24
Total	68/62	127/67	167/69	85/47	447/245

2014:Q1	2014:Q2	2014:Q3	2014:Q4	TOTAL
0/0	15/0	4/0	3/0	22/0
0/0	0/0	0/0	0/0	0/0
12/5	50/47	1/5	13/5	76/62
15/28	67/15	26/7	17/13	125/63
13/29	3/36	13/21	4/19	33/105
15/22	103/23	102/28	58/45	278/118
12/0	4/18	52/6	62/8	130/32
67/84	242/139	198/67	157/90	664/380

3.7 Moody's Investors Service - Europe

	2015:Q1	2015:Q2	2015:Q3	2015:Q4	TOTAL
Auto	17/0	2/0	2/0	0/1	21/1
CDO	102/5	85/8	87/0	132/3	406/16
CMBS	7/15	2/2	12/19	12/1	33/37
Credit Card	0/0	1/0	0/0	0/0	1/0
RMBS (prime)	595/43	151/18	335/19	51/8	1132/88
RMBS (non-conforming)	38/9	165/1	65/1	212/1	480/12
Total	759/72	406/29	501/39	407/14	2073/154

2014:Q1	2014:Q2	2014:Q3	2014:Q4	TOTAL
7/0	1/0	12/0	0/0	20/0
196/29	173/38	148/8	162/7	679/82
2/8	3/22	6/43	8/15	19/88
0/0	0/0	5/0	0/0	5/0
155/41	24/21	214/29	226/38	619/129
36/28	25/9	65/1	28/21	154/59
396/106	226/90	450/81	424/81	1496/358

3.8 Standard & Poor's - Europe

	2015:Q1	2015:Q2	2015:Q3	2015:Q4	TOTAL
Auto	2/0	2/0	1/0	1/0	6/0
CDO	84/37	139/26	137/18	161/27	521/108
CMBS	6/32	3/28	2/20	7/33	18/113
Credit Card	0/0	0/0	0/0	0/0	0/0
RMBS (prime)	26/139	8/10	6/143	30/16	70/308
RMBS (non-conforming)	11/0	31/22	2/189	0/60	44/271
Total	129/208	183/86	148/370	199/136	659/800

2014:Q1	2014:Q2	2014:Q3	2014:Q4	TOTAL
8/1	7/0	0/0	3/5	18/6
70/44	196/72	166/40	107/32	539/188
11/38	15/38	2/54	6/62	34/192
0/0	0/0	0/0	0/0	0/0
0/36	51/21	17/18	14/204	82/279
20/7	47/0	10/12	26/4	103/23
109/126	316/131	195/124	156/307	776/688
	8/1 70/44 11/38 0/0 0/36 20/7	8/1 7/0 70/44 196/72 11/38 15/38 0/0 0/0 0/36 51/21 20/7 47/0	8/1 7/0 0/0 70/44 196/72 166/40 11/38 15/38 2/54 0/0 0/0 0/0 0/36 51/21 17/18 20/7 47/0 10/12	8/1 7/0 0/0 3/5 70/44 196/72 166/40 107/32 11/38 15/38 2/54 6/62 0/0 0/0 0/0 0/0 0/36 51/21 17/18 14/204 20/7 47/0 10/12 26/4

Sources: DBRS, Fitch Ratings, Moody's Investors Service, Standard & Poor's

Upgrades/Downgrades by Collateral

3.9 DBRS - US

	2015:Q1	2015:Q2	2015:Q3	2015:Q4	TOTAL
Auto	22/0	21/0	0/1	0/0	43/1
CDO	4/0	2/0	0/0	4/1	10/1
CMBS	7/4	14/9	12/3	20/7	53/23
Credit Card	0/0	0/0	0/0	0/0	0/0
RMBS	346/14	446/26	0/0	0/0	792/40
Other ABS	12/0	2/1	0/0	0/1	14/2
Total	391/18	485/36	12/4	24/9	912/67

3.10 Fitch Ratings - US

	2015:Q1	2015:Q2	2015:Q3	2015:Q4	TOTAL
Auto	0/0	0/0	1/0	0/0	1/0
Credit Card	0/0	0/0	0/0	0/0	0/0
Other ABS	25/3	51/5	50/12	38/1	164/21
CDO	34/6	58/18	49/10	29/14	170/48
CMBS	159/97	114/64	65/56	99/55	437/272
RMBS (prime)	4/171	0/0	180/500	11/100	195/771
RMBS (subprime)	20/90	3/1	0/37	933/43	956/171
Other RMBS	88/235	139/21	19/75	141/119	387/450
Total	330/602	365/109	364/690	1.251/332	2310/1733

3.11 Moody's Investors Service - US

	2015:Q1	2015:Q2	2015:Q3	2015:Q4	TOTAL
Auto	95/0	36/0	78/0	110/0	319/0
CDO	273/5	388/2	249/2	320/1	1230/10
CMBS	226/61	246/70	143/53	370/73	985/257
Credit Card	0/0	17/0	0/0	0/0	17/0
RMBS	664/374	1057/332	713/206	907/262	3341/1174
Total	1258/440	1744/404	1183/261	1707/336	5892/1441

3.12 Standard & Poor's - US

	2015:Q1	2015:Q2	2015:Q3	2015:Q4	TOTAL
Auto	5/0	54/0	87/0	22/0	168/0
CDO	296/11	136/24	176/12	122/22	730/69
CMBS	28/19	36/72	76/52	120/63	260/206
Credit Card	0/0	0/0	0/0	0/0	0/0
RMBS (prime)	37/334	19/322	240/460	121/265	417/1381
RMBS (subprime)	37/118	45/308	159/205	558/345	799/976
Total	403/482	290/726	738/729	943/695	2374/2632

2014:Q1	2014:Q2	2014:Q3	2014:Q4	TOTAL
6/1	15/0	0/0	11/0	32/1
8/0	0/1	11/0	3/6	22/7
0/6	12/14	7/17	12/7	31/44
0/0	0/0	0/0	0/0	0/0
143/9	236/9	531/47	0/0	910/65
20/0	1/1	0/0	4/0	25/1
177/16	264/25	549/64	30/13	1020/118

2014:Q1	2014:Q2	2014:Q3	2014:Q4	TOTAL
1/0	0/0	0/0	0/0	1/0
0/0	3/0	0/0	12/0	15/0
65/10	66/25	47/57	39/2	217/94
23/29	55/37	76/14	40/6	194/86
111/122	146/121	39/66	46/88	342/397
120/1,014	3/117	0/143	211/686	334/1960
18/50	156/48	12/24	1,305/23	1491/145
231/128	99/264	36/92	169/104	535/588
569/1,353	528/612	210/396	1,822/909	3011/3270

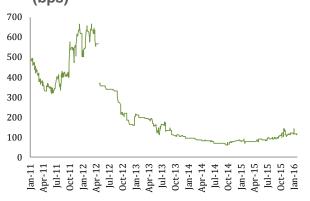
2014:Q1	2014:Q2	2014:Q3	2014:Q4	TOTAL
84/0	14/0	113/0	40/0	251/0
425/13	465/10	589/13	342/1	1821/37
182/112	303/112	283/106	187/80	955/410
0/0	0/0	23/0	17/0	40/0
481/309	1178/319	878/325	450/237	2987/1190
1172/434	1960/441	1886/444	1036/318	6054/1637

2014:Q1	2014:Q2	2014:Q3	2014:Q4	TOTAL
17/0	38/0	13/0	28/0	96/0
263/63	396/69	415/35	289/25	1363/192
112/92	58/68	55/40	73/46	298/246
0/1	1/1	0/0	12/2	13/4
8/354	23/547	32/325	31/281	94/1507
66/233	10/193	13/153	34/157	123/736
466/743	526/878	528/553	467/511	1987/2685

Sources: DBRS, Fitch Ratings, Moody's Investors Service, Standard & Poor's

4 CMBS Spreads

4.1 European 3-5 Yr AAA CMBS Spreads (bps)

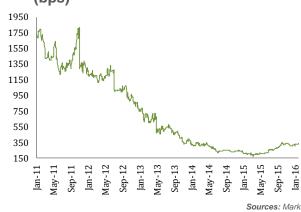


4.3 US 3 & 5 Yr AAA CMBS Spreads (bps)

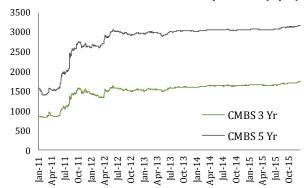


Sources: Trepp LLC

4.2 European 3-5 Yr BBB CMBS Spreads (bps)



4.4 US 3 & 5 Yr BBB CMBS Spreads (bps)



Sources: Trepp LLC

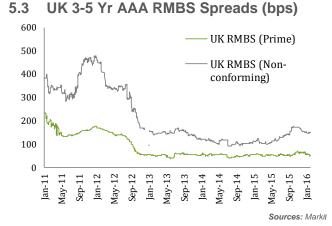
5 RMBS Spreads

5.1 European 3-5 Yr AAA RMBS Spreads (bps)

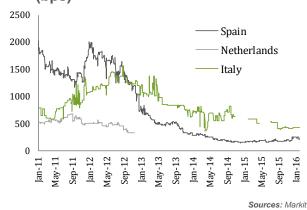


. . .

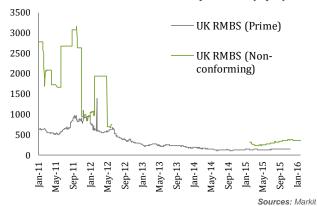
Source



5.2 European 3-5 Yr BBB RMBS Spreads (bps)

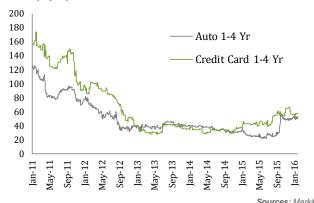


5.4 UK 3-5 Yr BBB RMBS Spreads (bps)

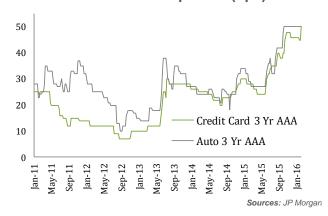


6 ABS Spreads

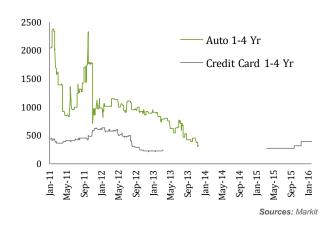
6.1 European 1-4 Yr AAA ABS Spreads (bps)



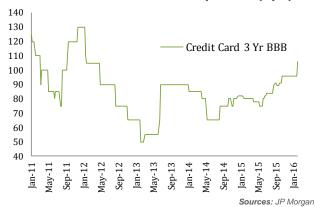
6.3 US 3 Yr AAA ABS Spreads (bps)



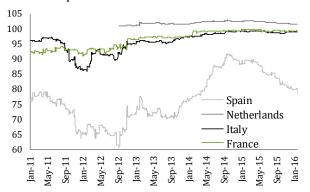
6.2 US 3 Yr AAA ABS Spreads (bps)



6.4 US 3 Yr BBB - AA ABS Spreads (bps)



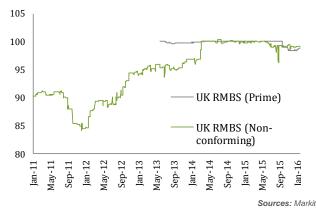
7.1 European 3-5 Yr AAA RMBS Prices



Sources: Markit

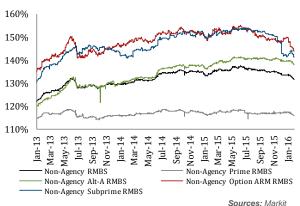
- Spanish AAA RMBS provided: IM Pastor 3, Fondo de Titulizacion Hipotecaria, Class A, Series 3. ISIN# ES0347862007. EURdenominated
- Italian AAA RMBS provided: Vela Home S.r.l. 3, Class A, Series 3. ISIN# IT0003933998. EUR-denominated.
- 3. French AAA RMBS provided: FCC Loggias Compartment 2003, Class A, Series 1. ISIN# FR0010029231. EUR-denominated.
- Dutch AAA RMBS provided: Storm 2012-IV BV, Class A2, Series 4 ISIN# XS0815105472. EUR-denominated.

7.3 UK 3-5 Yr AAA RMBS Prices

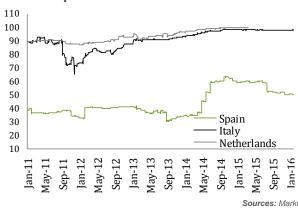


- UK AAA prime RMBS provided: Permanent Financing (No. 9) PLC, Class A3, Series 2009-1. ISIN# XS0454744458. EUR-denominated.
- UK AAA non-conforming RMBS provided: First Flexible No. 4 PLC, Class A, Series 4. ISIN#XS0132692384. GBP-denominated.

7.5 Markit RMBS iBoxx

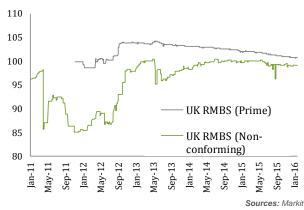


7.2 European 3 - 5 Yr BBB RMBS Prices



- Spanish BBB RMBS provided: Hipocat 8, Fondo de Titulizacion Activos, Class D, Series 1: ISIN# ES0345784047. EUR-denominated
- Dutch BBB RMBS provided: Holland Mortgage-Backed Securities (HERMES) X B.V., Class C, Series 10. ISIN# XS0228806831. EURdenominated
- Italian BBB RMBS provided: Vela Home S.r.I. 4, Class A2, Series 4, ISIN# IT0004102007. EUR-denominated.

7.4 UK 3 - 5 Yr BBB RMBS Prices



- UK BBB prime RMBS provided: Permanent Financing PLC, Class 2A, Series 2011-2. ISIN# XS0700016750. GBP-denominated.
- UK BBB subprime RMBS provided: Leek Finance Number Seventeen Plc, Class Cc, Series 1. ISIN# XS0249478073. EUR-denominated.

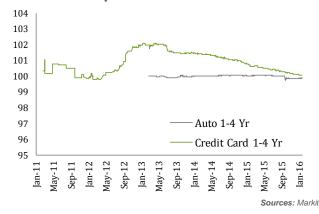
8 CMBS and ABS Prices

8.1 Pan-European 3-5 Yr AAA CMBS Prices



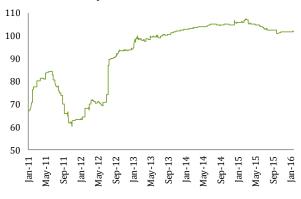
 Pan-European AAA CMBS provided: German Residential Funding, Class A, Series 2013-1. ISIN# XS0944452563. EUR-denominated

8.3 Pan-European 1-4 AAA ABS Prices



- Pan-European AAA Auto ABS provided: Driver Three GmbH, Class A, Series 3. ISIN# XS0270108573. EUR-denominated.
- Pan-European AAA Credit Card ABS provided: Chester Asset Receivables DGS 2004-1, Class A, Series UK2004-1. ISIN# XS0188611783. GBP-denominated.

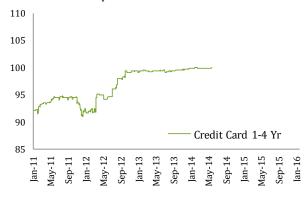
8.2 Pan-European 3-5 Yr BBB CMBS Prices



Sources: Markit

 Pan-European BBB CMBS provided: German Residential Funding, Class D, Series 2013-1. ISIN# XS0944454858. EUR-denominated.

8.4 Pan-European 1-4 Yr BBB ABS Prices



Sources: Markit

 Pan-European BBB Credit Card ABS provided: Chester Asset Receivables DGS 2004-1, Class C, Series UK2004-1. ISIN# XS0188612245. GBP-denominated.

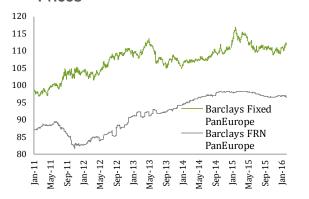
9 Indices Data

9.1 Securitised Index Option-Adjusted Spreads (bps)



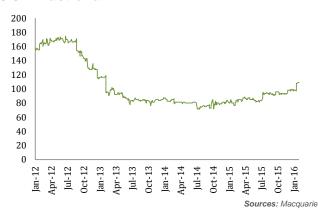
Sources: Barclays Capital

9.2 Barclays PanEurope Fixed and Floating Prices

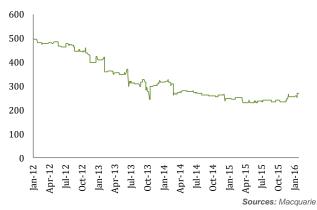


Sources: Barclays Capital

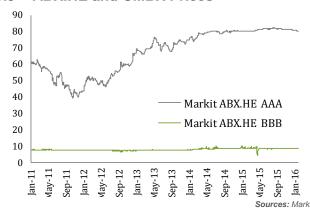
9.3 Australia AAA



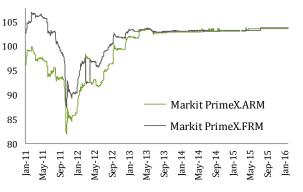
9.4 Australia AA



9.5 ABX.HE and CMBX Prices

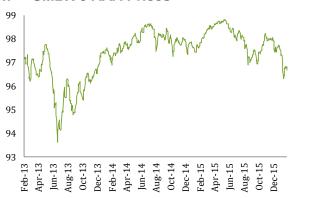


9.6 PrimeX.ARM and FRM Prices



Sources: Markit

9.7 CMBX 6 AAA Prices



Sources: Markit

10 Total Return Benchmark Data

European Total Return 10.1 150 140 130 120 110 100 All Europe RMBS (EUR) 90 All Europe CMBS (EUR) 80 All Europe ABS (EUR) 70 All Europe ABS (GBP) 60 May-13 Sep-13 Jan-14 May-14 Sep-14 Jan-15 May-15 Sep-15 Jan-16 Sep-12 Jan-13 Sources: Markit

10.2 UK Total Return 170 150 130 110 — UK CMBS AA (GBP) — UK PRMBS AAA (GBP) — UK Nonconforming RMBS AAA (GBP) 70

Sep-11
Jan-12
May-12
Sep-12
Jan-13
May-13
Sep-13

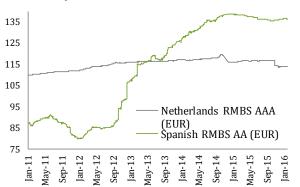
Sources: Markit

Sep-15 Jan-16

Jan-15

Jan-14 May-14 Sep-14

10.3 Europe ex UK RMBS AAA



Sources: Markit

50

Jan-11

11 Asset-Backed Commercial Paper

€ BILLIONS

11.1 European ABCP Historical Issuance

	Q1	Q2	Q3	Q4	TOTAL
2005	44.9	52.4	51.2	46.6	195.1
2006	61.6	65.8	76.1	84.7	288.2
2007	111.0	108.5	100.9	129.9	450.2
2008	75.0	66.8	73.8	86.2	301.8
2009	46.1	39.9	39.0	32.1	157.2
2010	32.1	35.7	38.8	38.8	145.4
2011	35.4	38.6	56.7	100.0	230.7
2012	117.0	106.1	80.3	53.8	357.2
2013	45.4	50.2	54.0	38.1	187.7
2014	53.9	62.6	68.7	81.8	267.2
2015	82.3	102.9	100.1	114.3	399.5

11.2 European ABCP Issuance by Nationality of Issuer

	2015:Q1	2015:Q2	2015:Q3	2015:Q4	TOTAL
France	31.3	49.4	47.3	54.5	182.5
Germany	4.1	5.0	4.4	6.1	19.7
Ireland	44.0	46.1	45.1	51.4	186.5
Italy	-	-	-	-	0.0
Luxembourg	2.9	2.3	2.1	1.4	8.7
Netherlands	-	-	-		0.0
Spain	-	-	-		0.0
UK	-	-	1.2	0.9	2.1
Total	82.3	102.9	102.9	114.3	399.5

2014:Q1	2014:Q2	2014:Q3	2014:Q4	TOTAL
17.8	25.0	23.0	26.8	92.6
4.8	5.1	7.4	4.7	22.0
29.2	30.2	35.7	48.7	143.7
-	-	-	-	0.0
2.1	2.3	2.6	1.7	8.8
-	-	-	-	0.0
-	-	-	-	0.0
-	-	-	-	0.0
53.9	62.6	68.7	81.8	267.2

11.3 European ABCP Issuance by Programme Type

	2015:Q1	2015:Q2	2015:Q3	2015:Q4	TOTAL
Hybrid	-	3.4	2.0	1.1	6.5
SIVs	-	-	-	-	0.0
Single-Seller Conduits	-	-	-	-	0.0
Multi-Seller Conduits	63.8	83.5	82.6	98.7	328.6
Unspecified	18.5	15.9	15.5	14.5	64.4
Total	82.3	102.9	102.9	114.3	402.3

2014:Q1	2014:Q2	2014:Q3	2014:Q4	TOTAL
-	-	-	-	0.0
-	-	-	-	0.0
-	-	-	-	0.0
38.8	47.3	55.9	65.9	207.8
15.2	15.3	12.9	16.0	59.4
53.9	62.6	68.7	81.8	267.2

11.4 ABCP Outstandings by Nationality of Issuer

	2015:Q1	2015:Q2	2015:Q3	2015:Q4
France	6.1	6.8	8.1	7.2
Germany	1.0	1.0	0.9	0.9
Ireland	10.7	10.9	9.9	9.0
Italy	-	-	-	-
Luxembourg	1.0	0.8	0.7	0.6
Netherlands	-	-	-	-
Spain	-	-	-	-
UK	-	-	0.6	0.6
European Total	18.8	19.4	20.2	18.3
US Total	218.1	190.6	205.3	219.2

2014:Q1	2014:Q2	2014:Q3	2014:Q4
5.3	5.7	4.9	6.8
0.6	0.7	0.7	0.9
8.0	8.2	8.7	9.5
-	-	-	-
0.8	1.0	0.7	0.8
-	-	-	-
-			-
-	-	-	-
14.6	15.7	15.0	18.0
152.2	158.3	169.2	193.9

Sources: Dealogic, Moody's Investors Service

11.5 European ABCP Outstandings by Programme Type

	2015:Q1	2015:Q2	2015:Q3	2015:Q4
Hybrid	-	1.7	1.0	0.2
SIVs	-	-	-	-
Single-Seller	-	-	-	-
Multi-Seller	13.1	13.9	15.8	14.9
Unspecified	5.7	3.8	3.4	3.2
Total	18.8	19.4	20.2	18.3

2014:	Q1	2014:Q2	2014:Q3	2014:Q4
-		-	-	-
-		-	-	-
-		-	-	-
11.2		11.9	11.2	13.4
3.4		3.8	3.8	4.6
14.6		15.7	15.0	18.0

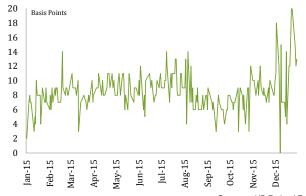
11.6 US ABCP Outstandings by Programme Type

	2015:Q1	2015:Q2	2015:Q3	2015:Q4
Loan-Backed	-	-	-	
SIVs	-	-	-	
Single-Seller	6.1	7.7	6.0	6.4
Multi-Seller	157.0	140.8	155.9	178.9
Other	55.0	42.1	43.4	33.9
Total	218.1	190.6	205.3	219.2

2014:Q1	2014:Q2	2014:Q3	2014:Q4
-	-	-	-
-	-	-	-
21.6	18.2	19.4	18.6
105.6	113.4	120.8	139.2
25.0	26.7	29.1	36.0
152.2	158.3	169.2	193.8

Sources: Dealogic, Moody's Investors Service

11.7 US ABCP to AA Non-financial CP Spread



12 Global Comparative Data

€ BILLIONS

12.1 Global Securitisation Issuance

	2015:Q1	2015:Q2	2015:Q3	2015:Q4	TOTAL
US	125.8	132.8	117.1	111.0	486.8
Europe	26.7	24.4	29.9	31.5	112.5
Asia	16.4	24.2	16.7	22.4	79.6
Total	168.9	181.3	163.7	164.9	678.9

2014:Q1	2014:Q2	2014:Q3	2014:Q4	TOTAL
115.4	94.3	107.5	92.3	409.4
10.7	15.2	14.4	20.2	60.4
17.5	17.0	24.0	34.5	93.1
143.6	126.5	145.9	147.0	562.9

12.2 Global Corporate Bond Issuance

	2015:Q1	2015:Q2	2015:Q3	2015:Q4	TOTAL
US	236.8	235.3	178.2	168.4	818.6
Europe	199.0	140.3	99.6	111.1	550.0
Asia	158.7	220.5	206.9	236.3	822.4
Total	594.6	596.1	484.6	515.7	2191.0

2014:Q1	2014:Q2	2014:Q3	2014:Q4	TOTAL
144.7	138.1	114.1	150.5	547.4
189.1	166.1	110.9	114.1	580.1
124.0	203.6	201.3	162.0	690.8
457.7	507.8	426.2	426.6	1818.3

12.3 Global Government Bond Issuance

	2015:Q1	2015:Q2	2015:Q3	2015:Q4	TOTAL
US	98.6	97.7	82.8	87.7	366.9
Europe	196.9	95.1	91.0	79.2	462.2
Asia	40.5	35.8	41.3	39.1	156.7
Total	336.0	228.6	215.1	206.0	985.8

2014:Q1	2014:Q2	2014:Q3	2014:Q4	TOTAL
320.5	614.6	588.9	861.1	600.6
523.4	532.6	456.5	457.3	577.1
176.7	229.4	165.9	182.2	141.4
1020.6	1376.6	1211.3	1500.6	1319.1

Summary of the Methodologies Adopted for this Report

1. Issuance

1.1. – 1.2. European, Australian, and US Historical Issuance

The tables covering historical issuance in Europe and the US are denominated in EUR billions. Historical issuance volumes are calculated by adding all transactions in different asset classes including, among others, asset-backed securities collateralised (ABS), obligations/collateralised loan obligations (CDOs/CLOs), commercial mortgage-backed securities (CMBS), and residential mortgage-back securities (RMBS). Please note that numbers may not add due to independent rounding and that historical or prior period numbers are revised to reflect changes in classification, refined selection methodology, or information submitted to our data sources after the prior period cut-off dates.

Australian data are contributed by Macquarie.

1.3. -1.6. Issuance by Collateral

The European issuance volumes are determined based on the review of several data sources: Bloomberg, JP Morgan, Thomson Reuters, and UniCredit starting from Q1 2009; and Deutsche Bank starting from Q1 2010; Citigroup from Q2 2010; and Dealogic from Q1 2011. In prior quarters our sources were Bloomberg, JP Morgan, Merrill Lynch, RBS, and Thomson Reuters. RMBS, CMBS and ABS are defined as European by having underlying assets located in a European country. European securities included in the calculation are the ones for which there is a specific match in terms of size, name, country of collateral and collateral type from at least two sources. Securities that fail to meet these criteria are excluded. With respect to CDOs/CLOs, securities are designated as European if they are issued in any European currency, regardless of their country of collateral. A substantial percentage of CDOs/CLOs are backed multi-jurisdictional collateral. CDO/CLO issuance totals have been revised due to periodic updates of the sector.

European ABS issuance includes auto, credit card, leases, loans, receivables and other.

European whole business securitisation ("WBS") are securitisations where cashflows derive from the whole operating revenues generated by an entire business or segmented part of a larger business. Certain WBS deals may be bucketed in the ABS or CMBS class based on deal specifics. As

of 2013 Q4, certain public finance initaitves ("PFI") hav been moved from ABS to WBS and the category renamed "PFI/WBS".

Placed and retained European issuance collateral are sourced from AFME and/or SIFMA dealer member research, Dealogic, Bloomberg, and Thomson Reuters. Placed issuance includes all tranches placed in the public market, private placements, and preplacements. Partial issuance of a tranche is considered to be placed if half or more by euro amount of the tranche is reported placed. Placed and retained issuance will not retroactively consider securities originally issued retained and then placed in the marketplace, and are estimates.

The US non-agency RMBS, CMBS, ABS and CDO/CLO issuance data sources are Dealogic and Thomson Reuters. Agency mortgage-backed securities (MBS) are defined as securities issued by Fannie Mae, Freddie Mac, and Ginnie Mae and are acquired from company statements. US issuance data are generally based on the sum of securities with US collateral; agency issuance numbers do not include securitisations of existing agency securities. US CDO/CLO data are defined as USD-denominated CDOs/CLOs regardless of the country of collateral.

Australian securitisation volumes are contributed by Macquarie.

The US and Australia issuance data are converted to Euros based on the exchange rate at each quarter-end indicated below.

Quarter	USD to EUR	AUD to EUR
Q1 2012	0.7495	0.7753
Q2 2012	0.7899	0.8084
Q3 2012	0.7777	0.8071
Q4 2012	0.7580	0.7879
Q1 2013	0.7802	0.8128
Q2 2013	0.7687	0.7025
Q3 2013	0.7393	0.6889
Q4 2013	0.7277	0.6488
Q1 2014	0.7263	0.6728
Q2 2014	0.7305	0.6889
Q3 2014	0.7917	0.6925
Q4 2014	0.8226	0.6753
Q1 2015	0.9318	0.7088
Q2 2015	0.8979	0.6917
Q3 2015	0.8947	0.6278
Q4 2015	0.9210	0.6711

These same conversion rates, sourced from Bloomberg, are used on all US issuance and outstanding volume data.

US ABS issuance includes auto, credit card, home equity, student loan, equipment leases, manufactured housing, and other. Historical ABS issuance totals have been revised due to periodic updates of the sector.

US CDO issuance numbers only include US-denominated issuance regardless of the country of collateral and may include European transactions which are denominated in US dollars. Historical CDO issuance totals have been revised due to periodic updates of the sector.

1.7. Issuance by Country of Collateral

The tables covering issuance in the US and Europe are presented in EUR billions. For Europe the information is segmented by country of collateral.

The European issuance is segmented by country to the extent that a determination can be made. collateral Securities with the underlying originating from more than one jurisdiction are Multinational. categorised as Almost CDOs/CLOs are classified under this Multinational group due to the complexity involved in identifying origin of collateral for each specific tranche. The European issuance volumes are determined based on the review of multiple data sources: Deutsche Bank and Bank of America-Merrill Lynch as of O1 2010, Bloomberg, JP Morgan, Thomson Reuters and UniCredit starting from Q1 2009; and RBS starting from 03 2009. In prior quarters the sources were Bloomberg, JP Morgan, Thomson Reuters and Merrill Lynch.

US CDO/CLO data are defined as USD-denominated issues regardless of country of collateral.

Other includes countries with outstanding securities that are too small to be displayed, such as Georgia, Iceland, Ukraine, Swit-zerland, Sweden, and Hungary.

PanEurope has been pulled out of the Multinational parent category and will be retroactively displayed for Euro-pean outstandings.

Multinational includes all deals in which assets originate from a variety of jurisdictions. This includes the majority of CDOs/CLOs denominated in a European currency.

Australian data are contributed by Macquarie.

1.8. Issuance by Collateral Type and Country of Collateral

Issuance information is further specified by country of collateral for European issuance only

and by asset class. CDO/CLO classification is the same as above.

1.9. - 1.11. Issuance by Rating

Issuance is presented by credit rating classification (AAA; AA; A; BBB and below; and Not Rated) on a quarterly basis. The credit rating assigned is the lowest of the ratings provided by Fitch Ratings, Moody's Investors Service and/or Standard & Poor's. These ratings are intended to represent their corresponding equivalent at each agency; e.g., an AAA rating is equal to an Aaa Moody's rating, AA equal to Aa1, etc. Securities are classified 'Not Rated' if none of the credit rating agencies have provided an opinion on the underlying credit quality of a particular tranche, or if the ratings are unknown. US agency MBS issues are generally not rated and therefore grouped separately under Agency MBS.

Australian securitisation data are contributed by Macquarie.

1.12. Issuance by Deal Size

European and US securitisation issuance volume is segmented by transaction size based on data provided by Dealogic. The European data covers all asset classes and EUR-denominated CDOs/CLOs. US non-Agency data includes ABS, non-agency CMBS and RMBS, and USD-denominated CDOs/CLOs. US agency MBS, which includes agency CMBS and RMBS, is shown separately.

All data, except for CDOs/CLOs, are included according to the country of collateral. The number of issues refers to the number of deals, not the number of tranches within each deal.

Dealogic data for retained deals are based on available information from both European and US dealers' syndicate desks. Further statistics on retained deals are added based on intelligence from other market participants such as regulatory bodies and newswires across Europe.

Australian securitisation issuance volumes are contributed by Macquarie.

2. Balances Outstanding

2.1. - 2.3. Outstandings by Collateral

The outstanding volumes are reported by asset class. Subtotals may not add to totals due to independent rounding and historical or prior period numbers are continuously revised to reflect changes in classification, refined selection methodology, or information submitted to our data sources after the prior period cut-off dates. For Europe, balances outstanding are calculated by the principal balance outstanding on structured

product transactions including public, private, rated, unrated, listed and unlisted securities provided by Bloomberg. Balances outstanding are determined by multiplying eligible securities by their pool factor for the quarter and sorted Tranches that are accordingly. denominated are converted to EUR by Bloomberg based on the exchange rate at the time of the pricing date (as specified by the lead manager/arranger), or, if missing, the issue date as specified in each security's original offering documentation. Securities included calculations, except for CDOs/CLOs, have collateral originated from at least one European country to the extent that a determination can be made. However, for ABS and MBS securities with collateral originated in multiple countries, or where the origin of the underlying collateral is undefined, the following selection criteria apply: securities are considered eligible as European only if they are denominated in a European currency, as defined below, and the country of issuer (considered to be the country in which the issuing SPV is incorporated) is within Europe. In certain limited cases, the Channel Islands and the Cayman Islands are considered eligible as European jurisdictions for ABS and MBS products if underlying collateral is derived from a variety of jurisdictions and the original currency of issue is EUR only.

For our selection criteria, European currencies include the euro (EUR) and all predecessor currencies, as well as the Turkish lira (TRY), the Danish kroner (DKK), the Swedish krona (SEK), the Swiss franc (CHF), the Polish zloty (PLN), the British pound (GBP), and the Russian ruble (RUB).

Furthermore, our selection criteria consider Europe to include all European Economic Area (EEA) countries and certain non-EEA countries located on the geographic European continent. We have included Turkey, Kazakhstan, Iceland, Georgia and the Russian Federation in these criteria.

European ABS outstanding collateral types include auto loans, credit cards, loans (consumer and student), and other.

For the CDO/CLO sector, only issuance denominated in a European currency (as specified above) is included, regardless of the country of collateral.

Beginning in Q2 2010, the CDO/CLO asset class has been further broken down into the CDO/CLO and SME asset classes. SME securities follow the same criteria application as non-CDOs/CLOs. Revisions

during this quarter were retroactively applied and balances outstanding from prior quarters have all been restated accordingly.

The US outstanding calculations are based on information derived from Bloomberg for ABS, nonagency RMBS, and non-agency CMBS; agency balance statements for agency MBS. The following asset classes are segmented: agency MBS, nonagency RMBS, non-agency CMBS, and ABS. The agency MBS figures include both agency RMBS and agency CMBS (i.e., multifamily). outstanding collateral types include auto loans, credit cards, loans (equipment and student loans), CDOs, and other. CDOs outstanding are included in ABS outstandings and represents denominated tranches. As of 2013 Q4 home equity and certain other mortgage-related debt has been moved into Non-Agency RMBS.

Australian outstanding figures are contributed by Macquarie. Reverse mortgages are included in RMBS figures, while small balance CMBS are included in CMBS figures.

2.4. Outstandings by Country of Collateral

The European outstanding volumes are segmented by country of collateral based on the above methodology. For our selection criteria, Europe is considered to include all European Economic Area (EEA) countries and certain non-EEA countries located on the geographic European continent (Georgia, Iceland, Turkey, Kazakhstan and the Russian Federation). In certain limited cases, the Channel Islands and the Cayman islands are considered eligible for ABS and MBS products if underlying collateral is derived from a variety of jurisdictions and the original currency of issue is European. CDOs/CLOs issued in a European currency with either collateral from multiple jurisdictions or for which the underlying location of collateral is undefined are categorized under 'Multinational' for the purpose of determining outstanding balances by country. Collateral from multiple European countries is now categorised under 'PanEurope' unless collateral predominantly (over 90%) from one country.

The US outstandings include both agency and non-agency securities.

2.5. – 2.7. Outstandings by Moody's Rating

The percentage rating distribution for Europe and the US is based on Moody's Investors Service data for balances outstanding, and from Standard and Poor's for Australian data. The data provides current ratings as of the end of the quarter. The data presented are based on original issuance volumes for European, US, and Australian securities, and therefore do not reflect amortised balances. Information on current ratings by outstanding volumes is not currently available. Moody's and Standard and Poor's data have been converted to percentages based on the original issuance size to make it easily comparable with the outstanding volumes provided in this report. Defaulted and unrated issues are excluded from these data.

2.8. - 2.9. Outstandings by Vintage

Outstanding volumes by vintage are determined by year of original pricing date. Restructurings are counted from original pricing date rather than remarketed date.

2.10. Outstandings by Country and Collateral European outstanding volumes are segmented by country and collateral based on above

3. Credit Quality - Rating Changes

methodology.

3.1. – 3.4. Upgrades/Downgrades by Country

These tables present the aggregate number of upgrades and downgrades for securitisation (including CDOs/CLOs) by country of collateral for European deals and in total for US deals. The information is based on data provided by DBRS, Fitch Ratings, Moody's Investors Service and Standard & Poor's. The upgrade number is shown first followed by the downgrade number. The upgrades and downgrades of each of credit rating agency is shown in separate tables and presented as the number of rating changes. Because the credit rating agencies track different securities and apply different credit rating methodologies, these numbers are not directly comparable.

According to Moody's Investors Service, a security is classified as European or American based on if it is monitored out of Moody's office in Europe or the US. More specifically, European securities are classified within a particular country if all of its assets are located within that country.

Fitch's US category may contain non-US issues (e.g., Canada) from the North American continent.

The Multinational category includes CDOs/CLOs and all other cross-jurisdictional securitisations for both Moody's Investors Service and Standard & Poor's. The Fitch Ratings Multinational classification includes cross-jurisdictional CMBS as well as the aggregated sum of rating actions in other countries including Austria, Belgium, Greece, Ireland, Portugal and the Russian Federation. Fitch

Ratings assigns CDO issues to the country in which the majority of the underlying assets are located.

DBRS' "ABS Other" category may include student loans, equipment lease and other securities.

3.5. – 3.12. Upgrades/Downgrades by Collateral

These tables present aggregate upgrades and downgrades for securitisation and CDO/CLO issues by securitised product type for Europe and the US. The upgrade number is shown first followed by the downgrade number. The upgrades downgrades of each agency are shown in separate tables and presented by number rating changes. For Fitch Ratings, the category Other RMBS includes other categories of RMBS transactions such as ALT-A, reverse mortgage, government RMBS, etc. The category 'Other ABS' may include student loans and the whole business securitisations/public finance initiatives (WBS/PFI). For Moody's Investors Service and Standard & Poor's, the total number of European upgrades/downgrades reported by collateral type comparable are not always with upgrades/downgrades presented by country because there may be securities that experience rating migrations that are backed by collateral originated from a country outside of those specified and will not be captured under the "Multinational" category.

4 - 6 Spreads

4.1. - 4.4. CMBS Spreads

These graphs present credit spread data for European and US AAA and BBB 3-5 Yr CMBS. European 3-5 year AAA & BBB CMBS data are provided by Markit. Composite spread levels are calculated from dealer contributions which have been subjected to multiple cleaning algorithms. Spread levels are equivalent to the discount margin. The discount margin is defined as the effective spread to maturity of a floating rate security after discounting the yield value of a price other than par over the life of the security. The spread calculation is based on data provided by dealer trading desks.

US CMBS 3 and 5 year spreads are provided by Trepp LLC. US CMBS spreads are quoted as fixed rate bonds based on the yield of US treasury bonds with the same average life.

5.1. - 5.4. RMBS Spreads

European RMBS credit spreads are provided for 3-5 year AAA and BBB securities based on data provided by Markit. European credit spreads cover Spain, Netherlands, Italy, Germany and France. UK

RMBS spreads are provided for both prime and non-conforming transactions. Markit spread calculations are based on data provided by dealer trading desks.

As of April 2012, Italian AAA has been replaced with Italian AA due to downgrades. Spanish RMBS 3-5 year AAA and BBB spreads have been replaced with 5-8 years due to lack of bonds.

Due to a lack of bonds populating the WAL 3-5 year sector for UK Prime RMBS BBB, the sector has been replaced with WAL 5-15 UK Granite BBB Float. The UK non-conforming RMBS BBB sector will continue to remain WAL 3-5 years. As of November 2012, UK non-conforming AAA has been replaced with non-conforming AA due to downgrades, while BBB UK non-conforming RMBS are no longer available.

6.1. - 6.4. ABS Spreads

European ABS credit spreads are provided for 1-4 year AAA and BBB securities based on data provided by Markit based on the same calculations described above.

US spreads reflect levels for AAA autos, AAA credit cards, and BBB credit cards; spreads are fixed against swaps and are provided by JP Morgan. US 3 Yr Auto ABS BBB spreads are not available.

7 - 8 Prices

7.1. - 7.4. RMBS Prices

These graphs represent price data for specific European and UK RMBS selected as benchmarks in the respective jurisdictions. The price calculations are provided by Markit and are based on data provided by dealer trading desks.

8.1. - 8.4. CMBS and ABS Prices

The graphs represent price data for specific pan-European CMBS and ABS selected as benchmarks. The price calculations provided by Markit and are based on data provided by dealer trading desks.

9.1. - 9.8. Indices Data

The first graph presents daily option-adjusted spreads provided by Barclays Capital for Europe from a cross-section of securitised products. The second graph, provided by Barclays Capital, presents daily fixed and floating prices of pan-European deals.

The third and fourth graphs present daily prices provided by Macquarie for the Australian AAA and AA securitised market.

The fifth, sixth, and seventh graphs present daily prices provided by Markit for the US synthetic ABS, RMBS, and CMBS indices. The final graph present

daily prices, also provided by Markit, for the US cash non-agency RMBS market.

10 Total Return Benchmark Data

10.1. - 10.3. Total Return Data

These graphs represent historical return composites generated by tracking the aggregate asset value on an underlying portfolio of single name bonds. Data are provided by Markit and are preliminary.

11. Asset-Backed Commercial Paper (ABCP)

11.1. – 11.2. ABCP Historical Issuance; ABCP Issuance by Nationality of Issuer

Aggregate issuance data covers the period 2008 through 2009 for Europe and the US. European issuance is provided by Dealogic, which identifies the issuer's nationality as the country in which the SPV is domiciled. These data do not represent the seller-servicers of the underlying assets or the bank conduits for the ABCP deals. The US data are provided by Moody's Investors Service. The volumes are converted from dollar to euro based on the end-of-quarter exchange rate.

11.3. European ABCP Issuance by Programme Type

ABCP data by programme type is provided by Dealogic. The programme type classifications included are: SIVs, single-seller conduit, multiseller conduit and 'unspecified'.

Dealogic provides the issuer's nationality as the country in which the SPV is domiciled. This data does not represent the seller-servicers of the underlying assets or the bank conduits for ABCP deals.

11.4. ABCP Outstandings by Nationality of Issuer

Outstanding quarterly data are provided from the first quarter of 2008 through 2009 for Europe and the US. The European outstanding is provided by country through the Dealogic database, and the US data are provided by Moody's Investors Service. Dealogic identifies the issuer's nationality as the country in which the SPV is domiciled. The dollar volumes were converted to euro based on the end-of-quarter exchange rate.

US ABCP figures are based on programmes rated by Moody's NY office ABCP Program Index, regardless of market; some euro-denominated ABCP may be included in volume totals.

11.5. – 11.6. ABCP Outstandings by Programme Type

Outstanding quarterly data are provided for Europe and the US by, respectively, Dealogic and Moody's Investor Service. The volumes are converted from dollars to euro based on the end-of-quarter exchange rate. The programme type classifications included are: loan-backed, SIVs, single-seller conduit, multi-seller conduit and 'unspecified'.

Unspecified programme types within the US data contain both arbitrage and hybrid programme types.

11.7. ABCP Spreads

The US ABCP spread information is based on data collected and developed by the Federal Reserve. The spread is defined as the difference between AA ABCP and AA nonfinancial CP.

12. Global Comparative Data

12.1. - 12.3. Global Securitisation Issuance, Global Corporate Bond Issuance, Global Government Bond Issuance

These statistics are provided by Dealogic and present issuance volumes for securitisation, corporate bonds and government bonds in Asia, the US and Europe. Securitisation and government bond figures represent gross issuance; corporate bond issuance is provided on a gross, not net, basis. All types of securitisation are included; CDOs are included based on the region of the currency in which they are denominated. These statistics do not correspond to the issuance numbers provided elsewhere in this report as different sources and selection methodologies are used to determine both the European and US securitisation issuance. In terms of geographical description, Europe represents the European, the Middle East and African (EMEA) countries while Asia includes the Pacific countries and Japan.

Global securitisation issuance includes ABS & MBS, both public and private placements, but excludes any retained volumes. Global corporate bond issuance is for investment grade bonds, public placements only. Global government bond issuance includes all agency and non-agency issuances and does not include supranationals.

13. Commentary Sources

Basel Committee on Banking Supervision (BCBS), and International Organization for Securities Commissions (IOSCO), Capital treatment for "simple, transparent and comparable" securitisations published by the Basel Committee, 10 November 2015

http://www.bis.org/press/p151110a.htm

Basel Committee on Banking Supervision (BCBS), Identification and measurement of step-in risk - consultative document, 17 December 2015

http://www.bis.org/bcbs/publ/d349.htm

Basel Committee on Banking Supervision (BCBS), Final FRTB Rules, 14 January 2016

http://www.bis.org/bcbs/publ/d352.htm

European Banking Authority (EBA), Report on exposures to shadow banking entities, 15 December 2015

http://www.eba.europa.eu/documents/101 80/950548/Report+on+institutions+exposures+to+shadow+banking+entities.pdf

European Banking Authority (EBA), report to the European Commission on the implementation of the NSFR in Europe, 17 December 2015

http://www.eba.europa.eu/-/eba-recommends-introducing-the-nsfr-in-the-eu

European Banking Authority (EBA), advice on synthetic securtisaions for SMEs , 18 December 2015

http://www.eba.europa.eu/-/eba-issues-advice-on-synthetic-securitisation-for-smes

European Banking Authority (EBA), consultation on draft guidelines on implicit support for securitisation transactions, 20 January 2016

http://www.eba.europa.eu/-/eba-consultson-draft-guidelines-on-implicit-support-forsecuritisation-transactions

European Banking Authority (EBA), ITS on the mapping of ECAIs credit assessment for securitisation positions, 15 February 2016

http://www.eba.europa.eu/-/eba-publishes-final-draft-its-on-the-mapping-of-ecais-credit-assessments-for-securitisation-positions

European Central Bank (ECB), "The Euro Area Bank Lending Survey – July 2014"

http://www.ecb.int/stats/money/surveys/lend/html/index.en.html

European Commission, "Green Paper on building CMU", 18 February 2015

http://ec.europa.eu/finance/consultations/2 015/capital-markets-union/docs/greenpaper_en.pdf

European Commission, "An EU framework for simple, transparent and standardised securitisation" 30 September 2015

http://ec.europa.eu/finance/securities/securitisation/index_en.htm

European Commission, Call for Evidence – financial regulatory framework, 30 September 2015

http://ec.europa.eu/finance/consultations/2 015/financial-regulatory-frameworkreview/docs/consultationdocument_en.pdf

European Commission, Delegated Regulation on the Prospectus, 3- November 2015

http://europa.eu/rapid/press-release_IP-15-6196 en.htm

Eurostat, Statistics

http://epp.eurostat.ec.europa.eu

Annex

Disclaimer

Your receipt of this document is subject to paragraphs 3, 4, 5, 9, 10, 11 and 13 of the Terms of Use which are applicable to AFME's website (available at http://www.afme.eu/Legal/Terms-of-Use.aspx) and, for the purposes of such Terms of Use, this document shall be considered a "Material" (regardless of whether you have received or accessed it via AFME's website or otherwise).



London Office

39th Floor 25 Canada Square London E14 5LQ United Kingdom

Switchboard:

2700

+44 (0)20 3828

Brussels Office

Rue de la Loi, 82 1040 Brussels Belgium

Switchboard:

+32 (0) 2 788 3971

AFME

Richard Hopkin - Managing Director, Head of Fixed Income

Anna Bak - Manager **Julio Suarez** - Manager

www.afme.eu

SIFMA

Kyle Brandon - Managing Director, Director of Research

Sharon Sung – Assistant Vice President, Research

www.sifma.org

AFME is registered on the EU Transparency Register, registration number 65110063986-76