

Q2:2011





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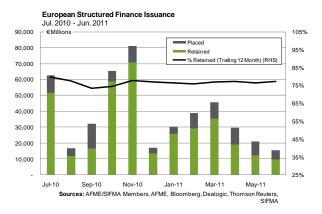
## Demonstrated Demand in ABS But Fundamental Concerns in Eurozone

## Market Environment Economic Conditions

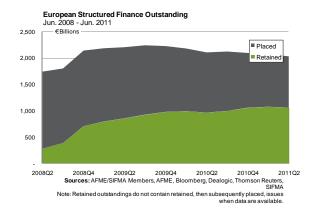
- According to Eurostat, at the end of June 2011, the unemployment levels in the Eurozone and European Union remained generally unchanged at 9.9% and 9.4% respectively, compared to end March levels of 9.9% and 9.5%.
- The European sovereign debt crisis continued to weigh in on fundamentals in the second quarter of 2011 (Q2 2011), with nearly every asset class impacted by deteriorating sovereign credit.

### **Term Issuance and Outstanding Volumes**

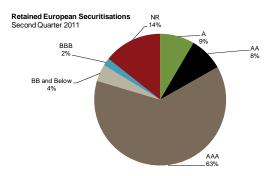
• EUR 66.2 billion of securitised products were issued in Europe in Q2 2011, a decrease of 42.3% from Q1 2011 (EUR 114.6 billion) but more than double that of Q2 2010 issuance (32.2 billion). 39.2% of Q2 issuance was placed (EUR 25.9 billion), compared to Q1 at 21.8% (EUR 25bn), continuing the trend of increasing placed-to-retained issuance ratio.



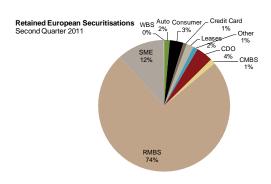
 By the end of Q2 2011, retained securitised debt made up 52.2% of total outstanding debt, an increase from Q1 2011 (51.7%). Approximately EUR 1.1 trillion outstanding is currently retained on originator of sponsor bank balance sheets.



- Shortly after the end of Q2, the European Banking Authority (EBA) released the results of the EU stress tests, designed to assess the resilience of the European banking system a base and adverse scenario, which revealed a shortfall of EUR 26.8 billion. The stress tests also generally revealed, for the first time, the size of both sovereign and securitisation exposures.
- According to AFME estimates, currently retained European outstanding securitised debt, estimated at EUR 1.06 trillion as of Q2 2011, is predominantly AAA-rated RMBS. See Table A at the end of the commentary for AFME's estimates of retained securitisations by current rating and underlying collateral assets.



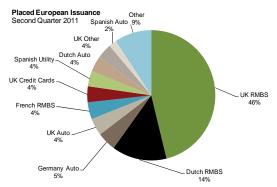
Sources: Bloomberg, AFME & SIFMA Member Firms, Dealogic, AFME, SIFMA Ratings are lowest current rating assigned by either Moody's, Fitch Ratings, or Standard and Poor's as of June 30 2011.



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

UK RMBS continued to make up the majority of placed issuance in Q2; however, compared to Q1 2011, there was an increase in the diversity of asset types placed with investors. For example, investors bought Spanish, German, French, and Dutch auto ABS; UK credit card ABS; French and Italian RMBS; and Sweden and Norwegian consumer loan ABS.

## MARKET HIGHLIGHTS AND COMMENTARY



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

 Moody's noted that sponsored leveraged loans, which make up the bulk of loans in European CLOs, enjoyed relatively robust recoveries even in the downturn period from 2008 to 2010 (average 71% recovery in senior debt; 59% in second lien debt, and 35% on mezzanine debt).

## **Credit Quality**

- Generally, negative ratings migrations increased in Q2.
  The adverse affect of the Eurozone crisis on the credit
  condition of certain sovereign states has caused securitised products backed by collateral from these states
  to experience downgrades.
- In its July update, Moody's gave stable outlooks for French RMBS, German auto ABS, German SME, German RMBS, Dutch RMBS, UK credit card ABS and prime UK RMBS. However, it gave negative outlooks for the products backed by collateral from countries affected by the Eurozone crisis (e.g. Greece, Ireland, Portugal and Spain); UK non-conforming RMBS; and Italian consumer ABS and RMBS.
- Except for Germany and the Netherlands, Moody's noted that the performance of the SME ABS market continued to remain weak.
- In a recent study on ABS and RMBS rating performance during the crisis, Moody's noted that European securitisation remained generally resilient during the period May 2007 to May 2011.
- Due to the changes made in Standard and Poor's counterparty risk assessment criteria in December 2010, European CMBS was particularly impacted by negative rating actions in Q2.

#### Lending

 According to the July European Central Bank (ECB) bank lending survey, banks reported, a small tightening of lending standards in Q2 2011 for both small and medium enterprises (SMEs) and large enterprises. Standards for short-term loans, as in prior quarters, continued to ease. The ECB stated that factors contributing to tightening standards were: industry specific outlooks, expectations on future economic activity, bank access to market financing and bank liquidity due to the sovereign crisis and the vulnerability of banks. Conversely, competition contributed to the easing of standards.

Loan demand continued to increase in the second quarter, primarily for working capital needs and debt restructuring.

#### **ABCP Trends**

According to Dealogic, European ABCP issuance increased slightly in Q2 (EUR 35.3 billion), compared to Q1 2011 (EUR 32.8 billion). Multiseller conduits continued to remain the largest issuer (73.3%).

## Major Regulatory, Legislative and Policy Initiatives

- On 12 April, the Financial Stability Board (FSB) issued a consultation providing initial recommendations on the shadow banking system. The paper addressed the definition of the term "shadow banking system", set out potential approaches for monitoring the shadow banking system and proposed regulatory measures. The FSB will submit recommendations to the G20 in autumn.
- At the end of April, the ECB announced requirements for the provision of loan-by-loan information on two additional asset classes: CMBS and SME (RMBS was introduced in 2010).
- On 31 March 2011, six U.S. agencies (SEC, FDIC, Federal Reserve, OCC, US Treasury, FHFA and HUD) sought comment on a proposal to introduce risk retention requirements on U.S securitised products. The requirement would mandate 5% risk retention at the very minimum for all assets that do not meet exemption criteria.
- In May, the UK Financial Services Authority released its CP11/9 consultation. The paper set out proposals for implementing the changes to the Capital Requirements Directive (CRD) set out in the Commission's CRD2 and CRD3 amendments.

## MARKET HIGHLIGHTS AND COMMENTARY

Table A: Retained Securitisations by Rating and Asset Class:

Rating	Auto	Consumer	Credit Card	Leases	Other	CDO	CMBS	Mixed MBS	RMBS	SME	WBS	Total
AAA	8,775.9	17,744.8	3,768.9	6,771.4	1,453.0	10,290.9	5,216.2	6,070.5	535,613.5	69,487.9		665,193.0
AA+									5,622.4	1,091.6		6,714.0
AA	175.9	294.2		437.5	2,000.0	2,143.0	43.4		39,187.1	4,337.9		48,619.0
AA-	195.1	2,680.0		1,320.5	1,162.7	617.9	124.9	555.8	25,080.1	1,542.3		33,279.2
A+	835.2	97.0		65.4		1,321.0		898.0	34,165.5	3,912.2		41,294.2
A	407.4	906.9	239.2	3,582.9		6,411.7	2,194.6	1,161.9	12,630.5	4,557.3		32,092.3
A-	33.0	2,443.9			328.0		244.2	21.2	8,368.6	3,322.2	1,003.2	15,764.1
BBB+	155.6	107.0	480.4					50.0	6,938.9	104.6		7,836.4
BBB	87.3	713.9	0.0	29.9		371.1	281.6	64.0	3,586.7	1,031.1		6,165.6
BBB-	247.1	673.5						160.0	3,207.2	1,791.3		6,079.0
BB+	49.4	1,127.0	2,102.4	664.4					1,088.0	2,582.9		7,614.1
BB	35.0	43.3				38.9	847.2	23.4	6,240.9	1,285.1		8,513.9
BB-		20.1	379.2						1,513.9	751.9		2,665.1
B+						1,408.8			929.1	2,460.4		4,798.3
В		44.9		96.0			391.4		478.0	370.6		1,380.8
В-		176.2							266.3	477.0		919.5
CCC+	27.0			128.0	4,918.9				1,258.7	3,245.4		9,578.0
CCC	45.7	844.5					138.8		1,453.6	108.1		2,590.6
CCC-		42.0							12.4	100.5		154.9
CC	118.0	51.0					299.0	6.6	460.7	837.8		1,773.1
C	36.5	280.6							784.5	345.6		1,447.2
D	20.0					1,481.2			133.4	595.5		2,230.1
NR	3,458.2	6,787.2	2,349.2	5,330.9	2,316.4	19,413.3	3,792.2	1,985.7	87,003.0	19,296.3		151,732.4
Total	14,702.3	35,078.0	9,319.3	18,426.7	12,178.9	43,497.7	13,573.6	10,996.9	776,022.7	123,635.6	1,003.2	1,058,434.8

Numbers in EUR millions; rating is lowest currently assigned rating by either Moody's, Fitch Ratings, or Standard and Poor's.

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## ISSUANCE

#### € BILLIONS12

## 1.1. European Historical Issuance

	Q1	Q2	Q3	Q4	TOTAL <sup>2</sup>
2000	14.1	16.4	21.4	26.3	78.2
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	55.8	59.0	53.2	75.5	243.5
2005	47.8	94.4	41.5	143.3	327.0
2006	69.0	114.3	112.8	184.9	481.0
2007	128.7	152.0	98.3	74.7	453.7
2008	40.0	169.5	134.1	367.6	711.1
2009	123.2	81.2	114.7	94.9	414.1
2010	75.5	32.2	111.5	163.6	382.9
2011	114.6	66.2			180.8

## 1.3.a. European Issuance by Collateral

	2011:Q1	2011:Q2	2011:Q3	2011:Q4	TOTAL <sup>2</sup>
ABS <sup>3</sup>	20.6	16.6			37.1
CDO <sup>4</sup>	7.1	0.9			8.0
CMBS	1.5	0.7			2.2
RMBS	68.2	37.5			105.7
SME	15.7	10.4			26.1
WBS	1.6				1.6
Total <sup>2</sup>	114.6	66.2			180.8

## 1.3.b. European Issuance by Retention

	2011:Q1	2011:Q2	2011:Q3	2011:Q4	TOTAL <sup>2</sup>
Place d <sup>7</sup>	25.0	25.9			50.9
Retained	89.7	40.2			129.9
Total <sup>2</sup>	114.6	66.2			180.8

#### 1.4 LIS Issuance by Collateral

1.4. 03 issuance by conduct di							
	2011:Q1	2011:Q2	2011:Q3	2011:Q4	TOTAL <sup>1,2</sup>		
ABS <sup>5</sup>	18.7	24.5			43.2		
CDO <sub>6</sub>	1.0	1.0			1.9		
Agency MBS	240.3	232.2			472.5		
Non-Agency CMBS	5.1	0.0			5.1		
Non-Agency RMBS	0.3	0.0			0.3		
Total <sup>1,2</sup>	265.3	257.6			522.9		

#### 1.2. US Historical Issuance

	TOTAL <sup>1,2</sup>
2000	1,088.0
2001	2,308.4
2002	2,592.7
2003	2,914.5
2004	1,956.6
2005	2,650.6
2006	2,455.8
2007	2,147.1
2008	933.6
2009	1,358.9
2010	1,276.7
2011 <sup>8</sup>	522.9

2010:Q1	2010:Q2	2010:Q3	2010:Q4	TOTAL <sup>2</sup>
6.5	3.9	11.8	9.2	31.4
1.6	0.5	26.1	1.4	29.6
1.7	1.5	0.7	2.1	6.1
51.7	24.9	58.2	136.9	271.7
13.4	13.4 1.3 12.2 1		12.7	39.7
0.6		2.5	1.4	4.5
75.5	32.2	111.5	163.6	382.9

2010:Q1	2010:Q2	2010:Q3	2010:Q4	TOTAL <sup>2</sup>
16.1	18.8	32.2	21.0	88.1
59.4	13.4	79.4	142.6	294.8
75.5	32.2	111.5	163.6	382.9

2010:Q1	2010:Q2	2010:Q3	2010:Q4	TOTAL <sup>1,2</sup>
25.0	23.1	19.3	15.2	82.6
0.4	0.9	0.1	1.2	2.7
224.7	239.4	320.1	397.1	1,181.3
0.0	0.2	1.3	4.5	6.0
0.0	0.3	0.5	3.3	4.1
250.2	264.0	341.2	421.2	1,276.7

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

<sup>1</sup> All volumes are denominated in euro. The US volumes were converted from dollar to euro based on the \$/€ exchange rates as of quarter-end.
2 Numbers may not add due to independent rounding. Historical or prior period numbers are revised to reflect changes in classification, refined selection methodology, or information submitted to our data source after the prior period cut-off dates.

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

<sup>&</sup>lt;sup>4</sup> European CDO issuance numbers only include issuance denominated in a European currency regardless of the country of collateral. A substantial percentage of CDOs are backed by multi-jurisdictional collateral. Historical CDO issuance totals have been revised due to periodic updates of the sector.

<sup>5</sup> 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.

Gus 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.

Includes all publicly placed, privately placed, and pre-placed tranches of a security. Partial placements of tranches are considered placed if more than half the euro amount has been placed.

## ISSUANCE

#### € BILLIONS1

1.5. Issuance by Country of Collateral

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	2011:Q1	2011:Q2	2011:Q3	2011:Q4	TOTAL <sup>2</sup>
Belgium		0.0			0.0
Denmark		0.0			0.0
France	5.0	1.5			6.5
Germany	2.9	2.4			5.3
Greece	1.2	0.0			1.2
Ireland		0.0			0.0
Italy	8.0	2.2			10.2
Netherlands	31.9	17.2			49.1
Portugal	6.9	2.2			9.2
Spain	19.2	16.7			35.9
UK	32.2	22.2			54.4
PanEurope		1.1			1.1
Other Europe	1.4	0.6			1.9
Multinational <sup>7</sup>	5.9	0.0			5.9
European Total <sup>2</sup>	114.6	66.2			180.8
US Total <sup>1,2</sup>	265.3	257.6			522.9

2010:Q1	2010:Q2	2010:Q3	2010:Q4	TOTAL <sup>2</sup>
	6.1	6.3	5.3	17.7
1.0	0.5			1.5
	2.9		6.1	9.0
4.6	0.5	3.4	4.8	13.4
1.0				1.0
2.4	1.1	2.1	1.0	6.6
0.6	0.4	9.1	5.9	16.0
50.4	5.4	21.2	61.5	138.5
1.2	1.2	3.9	10.6	16.9
1.7	4.1	36.9	12.3	54.9
11.5	10.0	25.6	55.5	102.6
1.2		1.4		2.6
		1.6		1.6
0.1	0.1		0.6	0.7
75.5	32.2	111.5	163.6	382.9
250.2	264.0	341.2	421.2	1,276.7

## 1.6. Issuance by Collateral Type and Country of Collateral<sup>23,4567</sup>

2011.Q2	ı		1				
	ABS <sup>3</sup>	CDO⁴	CMBS	RMBS	SME	WBS	TOTAL <sup>2</sup>
Belgium							0.0
Denmark							0.0
France	0.5			1.1			1.5
Germany	2.4						2.4
Greece							0.0
Ireland							0.0
Italy	0.2		0.2	1.8			2.2
Netherlands	1.2			15.0	1.0		17.2
Portugal	1.1				1.1		2.2
Spain	5.6			2.9	8.3		16.7
UK	5.3		0.3	16.5			22.2
PanEurope		0.9	0.2				1.1
Other Europe	0.4			0.2			0.6
Multinational <sup>7</sup>		0.0					0.0
European Total <sup>2</sup>	16.6	0.9	0.7	37.5	10.4	0.0	66.2

				NON-	NON-	
			AGENCY	AGENCY	AGENCY	
	ABS <sup>5</sup>	CDO6	MBS	CMBS	RMBS	TOTAL <sup>1,2</sup>
US Total <sup>1,2</sup>	24.5	1.0	232.2	0.0	0.0	257.6

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

<sup>&</sup>lt;sup>1</sup> All volumes are denominated in euro. The US volumes were converted from dollar to euro based on the \$/€ exchange rates as of quarter-end.

<sup>2</sup> Numbers may not add due to independent rounding. Historical or prior period numbers are revised to reflect changes in classification, refined selection methodology, or information submitted to our data source after the prior period cut-off dates.

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

European CDO issuance numbers only include issuance denominated in a European currency regardless of the country of collateral. A substantial percentage of CDOs are backed by multi-jurisdictional collateral. Historical CDO issuance totals have been revised due to periodic updates of the sector

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

bus has instance includes add, clear, control search, many search, the sector.

6 US CDO issuance numbers only include USD-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.

7 Multinational includes all deals, including CDOs, in which assets are originated from a variety of jurisdictions, or from countries whose total amounts are too small to display.

### ISSUANCE

#### € BILLIONS1

### 1.7. European Issuance by Rating<sup>3</sup>

u. opea ieeuuee u.jug							
	2011:Q1	2011:Q2	2011:Q3	2011:Q4	TOTAL <sup>2</sup>		
AAA	87.3	51.6			138.9		
AA	7.9	2.5			10.3		
Α	2.7	1.7			4.3		
BBB & Below	4.3	3.8			8.1		
Not Rated	12.4	6.7			19.1		
European Total <sup>2</sup>	114.6	66.2			180.8		

2010:Q1	2010:Q2	2010:Q3	2010:Q4	TOTAL <sup>2</sup>
61.2	26.7	84.5	142.0	314.4
1.0	0.3	1.5	3.3	6.2
1.5	1.6	2.4	5.3	10.8
0.7	0.7	6.8	3.6	11.8
11.2	2.9	16.2	9.4	39.7
75.5	32.2	111.5	163.6	382.9

#### 1.8. US Issuance by Rating<sup>4</sup>

1.0. 05 issuance by rating							
	2011:Q1	2011:Q2	2011:Q3	2011:Q4	TOTAL <sup>1,2</sup>		
AAA	16.7	16.5			33.2		
AA	1.1	0.6			1.7		
Α	1.9	2.3			4.2		
BBB & Below	1.0	3.1			4.1		
Not Rated	4.4	3.0			7.3		
Agency MBS	240.3	232.2			472.5		
US Total <sup>1,2</sup>	265.3	257.6			522.9		

2010:Q1	2010:Q2	2010:Q3	2010:Q4	TOTAL <sup>1,2</sup>
15.9	17.8	12.1	12.5	58.4
0.4	0.2	0.6	0.6	1.8
1.5	2.5	1.7	2.9	8.7
0.2	0.6	0.6	1.3	2.8
7.5	3.4	6.1	6.7	23.7
224.7	239.4	320.1	397.1	1181.3
250.2	264.0	341.2	421.2	1276.7

Source: Bloomberg, Deutsche, JP Morgan, Bank of America-Merrill Lynch, RBS, Thomson Reuters, Unicredit, AFME, SIFMA

### 1.9. Securitisation Issuance by Deal Size<sup>1</sup>

#### 2011:Q1

INCLUDING RETAINED DEALS <sup>2</sup>								
	EUR	OPE	US					
	# of Issues	€Billions	# of Issues	€Billions				
Less than 0.01 Billion	0%	0%	0%	0%				
0.01-0.1 Billion	0%	0%	6%	1%				
0.1-1.0 Billion	48%	26%	20%	12%				
More than 1.0 Billion	52%	74%	6%	12%				
Agency MBS	N/A	N/A	69%	75%				
Total <sup>3</sup>	100%	100%	100%	100%				

### 2011:Q2

EXCLUDING RETAINED DEALS <sup>2</sup>					INCLUDING RETAINED DEALS <sup>2</sup>			
	EUROPE		US		EUROPE		US	
	# of Issues	€Billions	# of Issues	€Billions	# of Issues	€Billions	# of Issues	€Billions
Less than 0.01 Billion	0%	0%	0%	0%	0%	0%	0%	0%
0.01-0.1 Billion	28%	2%	8%	1%	26%	1%	8%	1%
0.1-1.0 Billion	40%	24%	25%	17%	40%	20%	25%	18%
More than 1.0 Billion	33%	74%	6%	10%	35%	79%	6%	10%
Agency MBS	N/A	N/A	62%	73%	N/A	N/A	62%	71%
Total <sup>3</sup>	100%	100%	100%	100%	100%	100%	100%	100%

Source: Dealogic

<sup>&</sup>lt;sup>1</sup> All volumes are denominated in euro. The US volumes were converted from dollar to euro based on the \$/€ exchange rates as of quarter-end.
<sup>2</sup> Numbers may not add due to independent rounding. Historical or prior period numbers are revised to reflect changes in classification, refined selection methodology, or information submitted to our data source after the prior period cut-off dates.

European CDO issuance numbers only include issuance denominated in a European currency regardless of the country of collateral. A substantial percentage of CDOs are backed by multi-jurisdictional collateral. Historical CDO issuance totals have been revised due to periodic updates of the sector.

US CDO issuance numbers only include USD-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.

<sup>The European data includes all asset classes – ABS, CMBS, RMBS, SME, WBS and CDOs denominated in a European currency. US data includes ABS, non-agency CMBS and RMBS, and USD dollar-denominated CDOs. US agency MBS, which includes agency CMBS and RMBS, is shown separately. All data except for CDOs are included based on the country of collateral.

Dealogic provides data for retained deals based on available market information, sourcing further details from a wide base of syndicate desks wherever possible. Further statistics on retained deals are added based on intelligence from other market participants.</sup> 

<sup>&</sup>lt;sup>3</sup> Percentages may not sum to 100% due to independent rounding. Historical or prior period numbers are revised to reflect changes in classification, refined selection methodology, or information submitted to our data source after the prior period cut-off dates.

#### € BILLIONS1

## 2.1. European Outstandings by Collateral

2.1. European outstandings by condicion							
	2011:Q1	2011:Q2	2011:Q3	2011:Q4			
ABS <sup>2</sup>	204.8	199.6					
CDO <sup>3</sup>	234.0	234.0					
CMBS	139.0	139.0					
RMBS	1,268.6	1,248.3					
SME <sup>7</sup>	166.3	166.3					
WBS <sup>4</sup>	54.5	54.4					
Total <sup>5</sup>	2,067.2	2,041.7					

2010:Q1	2010:Q2	2010:Q3	2010:Q4
225.4	211.6	208.5	200.7
256.3	247.2	231.7	231.0
146.9	144.7	144.8	143.4
1,346.1	1,302.3	1,321.5	1,298.8
154.3	147.5	161.8	166.2
49.3	49.4	51.2	52.5
2,178.2	2,102.8	2,119.5	2,092.6

## 2.2. US Outstandings by Collateral

	2011:Q1	2011:Q2	2011:Q3	2011:Q4
	2011.001	ZVIII.QZ	2011.00	ZVII.QT
ABS <sup>6</sup>	1,376.5	1,295.3		
Agency MBS	3,896.6	3,850.8		
Non-Agency RMBS	603.2	562.8		
Non-Agency CMBS	523.3	502.1		
Total <sup>1,5</sup>	6,399.6	6,211.1		

2010:Q1	2010:Q2	2010:Q3	2010:Q4
1,645.9	1,744.5	1,515.9	1,500.6
4,133.1	4,468.6	4,976.1	5,110.1
764.0	807.4	691.1	669.4
580.1	630.8	555.3	559.8
7,123.0	7,651.3	7,738.4	7,839.9

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

<sup>&</sup>lt;sup>1</sup> All volumes are denominated in euro. The US volumes were converted from dollar to euro based on the \$/€ exchange rates as of quarter-end. <sup>2</sup> European ABS outstanding collateral types include auto loans, credit cards, loans (consumer and student), and other.

<sup>3</sup> Includes CDOs denominated in a European currency, regardless of country of collateral.
4 Whole Business Securitisation: a securitisation in which the cashflows derive from the whole operating revenues generated by an entire business or segmented part of a larger business. Certain whole business securitisation issues may be bucketed in the ABS or CMBS class based on deal particulars.

<sup>5</sup> Numbers may not add due to independent rounding. Historical or prior period numbers are revised to reflect changes in classification, refined selection methodology, or information submitted to our data

source after the prior period cut-off dates.

6 US ABS outstanding collateral types include auto loans, credit cards, loans (home equity, equipment and student loans), CDOs, and other. CDOs outstanding cannot be broken out within the ABS

outstanding collateral type but represents dollar-denominated issues.

As of 2010 Q2, SME has been pulled out of the CDO parent category and will be displayed in all tables retroactively for European otustandings.

#### € BILLIONS¹

## 2.3. Outstandings by Country of Collateral<sup>2</sup> 2009 - 2010

	2010:Q1	2010:Q2	2010:Q3	2010:Q4
Austria	2.7	2.6	2.5	2.5
		-	-	
Belgium	63.8	66.1	71.8	76.4
Finland	5.5	5.2	4.9	4.6
France	33.4	34.3	33.4	34.6
Germany	104.0	96.5	94.1	93.3
Greece	42.7	39.5	35.5	35.1
Ireland	71.5	71.1	72.2	72.1
Italy	230.8	228.0	217.3	214.2
Netherlands	326.9	308.4	314.7	319.6
Portugal	47.8	46.2	49.2	57.3
Russia	4.7	4.4	4.4	4.3
Spain	289.4	279.5	297.9	297.4
Turkey	5.0	4.7	5.1	4.8
UK	665.0	642.5	661.6	622.1
Other <sup>3</sup>	2.5	2.7	2.8	2.8
PanEurope⁴	64.9	62.1	49.9	57.9
Multinational	217.6	208.9	202.1	193.5
European Total <sup>2</sup>	2,178.2	2,102.8	2,119.5	2,092.6
US Total <sup>1</sup>	7,123.0	7,651.3	7,738.4	7,839.9

2009:Q1	2009:Q2	2009:Q3	2009:Q4
3.1	3.0	2.9	2.8
55.3	62.3	61.6	68.5
7.0	6.5	6.2	5.8
31.5	35.6	34.3	34.4
132.1	131.6	134.0	105.0
30.1	35.8	41.9	42.2
60.4	61.9	66.8	69.2
207.6	210.7	231.7	238.8
301.4	317.8	308.5	304.5
47.7	48.4	49.0	49.0
3.9	3.9	5.2	4.9
307.1	311.4	305.4	302.2
6.8	6.4	6.1	5.8
684.6	666.8	686.2	686.9
7.5	6.3	5.8	5.6
69.7	70.3	67.1	66.3
226.8	223.0	226.3	231.4
2,182.6	2,201.7	2,239.1	2,223.3
7,365.0	7,056.5	6,780.0	6,799.0

#### 2011

	2011:Q1	2011:Q2	2011:Q3	2011:Q4
Austria	2.4	2.3		
Belgium	75.1	74.6		
Finland	4.3	4.1		
France	31.8	33.9		
Germany	87.4	86.0		
Greece	31.9	29.9		
Ireland	68.6	68.1		
Italy	203.5	192.3		
Netherlands	310.2	321.3		
Portugal	60.3	59.5		
Russia	4.1	4.1		
Spain	301.1	293.6		
Turkey	4.5	4.1		
UK	627.2	608.5		
Other <sup>3</sup>	4.1	4.2		
PanEurope <sup>4</sup>	60.8	59.8		
Multinational	189.9	182.3		
European Total <sup>2</sup>	2,067.2	2,028.7		
US Total <sup>1</sup>	6,399.6	6,211.1		

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

<sup>&</sup>lt;sup>1</sup> All volumes are denominated in euro. The US volumes were converted from dollar to euro based on the \$/€ exchange rates as of quarter-end.

<sup>2</sup> Numbers may not add due to independent rounding. Historical or prior period numbers are revised to reflect changes in classification, refined selection methodology, or information submitted to our data source after the prior period cut-off dates.

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

4 As of 2010 Q2, PanEurope has been pulled out of the Multinational parent category and will be retroactively displayed for European outstandings.

## 2.4. European Outstandings by Moody's Investors Service Ratings<sup>1 3</sup>

(as a percentage of total Moody's rated securitisations)

tus a percentage of total woody stated securitisations,								
	2011:Q1	2011:Q2	2011:Q3	2011:Q4				
Aaa/AAA	70.22%	68.34%						
Aa/AA	11.45%	12.63%						
A/A	7.48%	7.51%						
Baa/BBB	5.75%	5.28%						
Ba/BB	1.42%	2.34%						
B/B	1.04%	1.00%						
Caa/CCC	1.37%	1.69%						
Ca/CC	0.84%	0.76%						
C/C	0.43%	0.44%						
Total <sup>2</sup>	100.00%	100.00%						

2010:Q1	2010:Q2	2010:Q3	2010:Q4
72.87%	72.90%	73.74%	73.42%
11.00%	10.33%	10.04%	10.63%
6.10%	6.51%	6.01%	5.79%
5.25%	5.30%	5.37%	5.45%
1.36%	1.65%	1.57%	1.50%
0.84%	0.68%	0.71%	0.77%
1.15%	1.19%	1.22%	1.14%
0.93%	0.92%	0.87%	0.86%
0.51%	0.52%	0.47%	0.44%
100.00%	100.00%	100.00%	100.00%

## 2.5. US Outstandings by Moody's Investors Service Ratings<sup>1</sup>

	2011:Q1	2011:Q2	2011:Q3	2011:Q4
Aaa/AAA	30.15%	27.60%		
Aa/AA	9.37%	9.18%		
A/A	5.69%	6.35%		
Baa/BBB	5.71%	6.48%		
Ba/BB	4.23%	4.70%		
B/B	7.25%	7.37%		
Caa/CCC	16.92%	17.38%		
Ca/CC	9.94%	9.99%		
C/C	10.74%	10.95%		
Total <sup>2</sup>	100.00%	100.00%		

2010:Q1	2010:Q2	2010:Q3	2010:Q4
37.05%	35.29%	34.65%	33.71%
10.54%	10.28%	10.06%	9.76%
7.53%	6.67%	6.44%	6.12%
7.19%	6.27%	5.94%	5.43%
6.08%	5.14%	4.75%	3.95%
8.60%	7.65%	7.15%	6.14%
11.50%	14.64%	14.34%	15.38%
5.79%	7.34%	9.16%	9.38%
5.71%	6.72%	7.51%	10.13%
100.00%	100.00%	100.00%	100.00%

2.6. European Outstandings by Vintage<sup>1</sup>

	2011:Q1	2011:Q2	2011:Q3	2011:Q4
2011	105.1	166.3		
2010	339.4	331.4		
2009	284.8	269.7		
2008	490.1	461.6		
2007	313.6	290.4		
2006	255.7	247.6		
2005	124.5	114.7		
2004	64.6	58.2		
2003	39.8	40.1		
2002	16.0	15.5		
2001	14.9	14.7		
2000	9.2	9.0		
1999	2.9	2.8		
1998	1.6	1.6		
Prior	5.1	5.1		
Total	2,067.2	2,028.7		

Source: Moody's Investors Service

2010:Q1	2010:Q2	2010:Q3	2010:Q4
73.5	106.5	210.9	345.3
356.8	343.2	333.1	310.7
637.8	606.4	574.3	527.2
441.8	404.0	385.4	331.6
308.5	301.3	292.8	277.9
174.5	162.6	150.6	137.5
76.5	73.0	70.8	68.9
51.8	49.6	47.2	41.4
17.9	17.5	17.0	16.7
16.1	15.9	15.6	15.5
12.7	12.8	11.7	10.1
3.5	3.2	3.1	3.1
1.6	1.6	1.6	1.6
5.2	5.2	5.2	5.1
2,178.2	2,102.8	2,119.5	2,092.6

Source: Bloomberg, AFME, SIFMA

 <sup>&</sup>lt;sup>1</sup> The rating distribution is based on current rating and original issuance size. Unrated and defaulted securities are included.
 <sup>2</sup> Percentages may not add to 100% due to independent rounding.
 <sup>3</sup> Vintage year determined by pricing date of tranche. Restructured issues continue to keep old pricing date.

#### **€ BILLIONS**

## 2.7. European Outstandings by Country and Collateral

	ABS <sup>1</sup>	CDO <sup>2</sup>	CMBS	RMBS	SME <sup>8</sup>	WBS <sup>3</sup>	TOTAL <sup>4</sup>
Austria	0.0		0.2	2.1			2.4
Belgium	0.2		0.1	60.3	14.6		75.1
Finland				4.2	0.1		4.3
France	17.5	0.0	2.5	9.0	2.7		31.8
Germany	32.4	2.3	18.9	21.7	12.1	0.1	87.4
Greece	12.5	3.9	0.0	5.7	9.8		31.9
Ireland		2.7	0.4	65.5			68.6
Italy	49.3	4.9	10.2	132.9	4.8	1.4	203.5
Netherlands	5.4	0.5	8.1	281.2	14.9		310.2
Portugal	6.6			41.8	11.9		60.3
Russia	1.2			2.9			4.1
Spain	23.6	2.1	0.4	188.7	86.4		301.1
Turkey	4.5						4.5
UK	45.2	7.6	67.5	451.7	3.1	52.1	627.2
Other <sup>7</sup>	1.5	1.9		0.3	0.4		4.1
PanEurope <sup>9</sup>	3.2	25.1	28.2	0.2	4.0	0.1	60.8
Multinational <sup>5</sup>	1.8	183.1	2.5	0.2	1.4	0.9	189.9
European Total <sup>4</sup>	204.8	234.0	139.0	1268.6	166.3	54.5	2067.2

#### 2011:Q2

	ABS <sup>1</sup>	CDO <sup>2</sup>	CMBS	RMBS	SME <sup>8</sup>	WBS <sup>3</sup>	TOTAL <sup>4</sup>
Austria	0.0		0.2	2.1			2.3
Belgium	0.2		0.1	59.7	14.5		74.6
Finland				3.9	0.1		4.1
France	17.4	0.0	2.4	11.3	2.7		33.9
Germany	32.2	2.3	18.6	21.1	11.8	0.1	86.0
Greece	12.4	3.9	0.0	5.6	8.0		29.9
Ireland		2.7	0.4	65.0			68.1
Italy	47.4	4.8	10.4	123.5	4.8	1.4	192.3
Netherlands	6.4	0.5	7.5	292.2	14.7		321.3
Portugal	7.3			39.3	12.9		59.5
Russia	1.2			3.0			4.1
Spain	24.1	2.1	0.4	184.7	82.3		293.6
Turkey	4.1						4.1
UK	40.4	7.6	67.7	436.1	4.7	52.0	608.5
Other <sup>7</sup>	1.6	1.9		0.3	0.4		4.2
PanEurope <sup>9</sup>	3.1	24.6	27.8	0.2	3.9	0.1	59.8
Multinational <sup>5</sup>	1.8	175.7	2.5	0.2	1.3	0.8	182.3
European Total <sup>4</sup>	199.6	226.1	138.0	1248.3	162.1	54.4	2028.7

Sources: Bloomberg, AFME, SIFMA

<sup>&</sup>lt;sup>1</sup> European ABS outstanding collateral types include auto loans, credit card, loans (consumer and student), and other.

<sup>2</sup> Includes CDOs denominated in a European currency, regardless of country of collateral.
3 Whole Business Securitisation: a securitisation in which the cashflows derive from the whole operating revenues generated by an entire business or segmented part of a larger business. Certain whole Whole Business Securitisation: a securification in which the cashflows derive from the whole operating revenues generated by an entire business or segmented part of a larger business. Certain whole business securitisation issues may be bucketed in ABS or CMBS based on deal particulars.
 Numbers may not add due to independent rounding. Historical or prior period numbers are revised to reflect changes in classification, refined selection methodology, or information submitted to our data source after the prior period cut-off dates.
 Multinational includes all deals in which assets originate from a variety of jurisdictions. This includes the majority of CDOs denominated in a European currency.
 Other includes countries with outstanding securities that are too small to be displayed, such as Georgia, Iceland, Ukraine, Sweden, Switzerland, and Hungary.
 As of 2010 Q2, SME has been pulled out of the CDO parent category and will be displayed in all tables retroactively for European outstandings.
 As of 2010 Q2, PanEurope has been pulled out of the Multinational parent category and will be retroactively displayed for European outstandings.

## **CREDIT QUALITY - RATING CHANGES**

## Upgrades/Downgrades by Country<sup>1</sup> 3.1. Fitch Ratings

, and the second	2011:Q1	2011:Q2	2011:Q3	2011:Q4	TOTAL
France	1/8	0/0			1/8
Germany	11/27	14/34			25/61
Italy	2/9	2/2			4/11
Netherlands	1/9	0/1			1/10
Spain	1/77	14/56			15/133
UK	9/86	29/37			38/123
Multinational <sup>2</sup>	8/33	4/97			12/130
European Total	33/249	63/227			96/476
US <sup>4</sup>	68/3882	148/3707			216/7589

2010:Q1	2010:Q2	2010:Q3	2010:Q4	TOTAL
0/0	0/3	1/3	0/0	1/6
0/78	10/26	7/6	6/14	23/124
3/10	0/7	3/2	1/22	7/41
4/10	0/1	0/0	2/5	6/16
1/58	6/31	7/38	1/14	15/141
23/70	8/91	30/84	27/31	88/276
7/41	3/67	6/21	4/54	20/183
38/267	27/226	54/154	41/140	160/787
55/3455	68/4739	100/9877	46/1948	269/15753

3.2. Moody's Investors Service

	2011:Q1	2011:Q2	2011:Q3	2011:Q4	TOTAL
France	0/0	0/0			0/0
Germany	0/4	2/2			2/6
Italy	0/1	2/5			2/6
Netherlands	1/0	0/12			1/12
Spain	1/44	4/64			5/108
UK	0/27	0/62			0/89
Multinational <sup>3</sup>	94/42	147/50			241/92
European Total	96/118	155/195			251/313
US	696/8448	723/4351			1419/12799

2010:Q1	2010:Q2	2010:Q3	2010:Q4	TOTAL
0/0	0/1	0/0	0/0	0/1
0/1	0/14	7/5	3/3	10/23
0/2	1/0	0/1	2/4	3/7
0/15	4/0	0/0	0/5	4/20
0/20	0/3	0/0	0/30	0/53
29/58	4/24	4/14	0/38	37/134
4/83	22/95	28/75	49/103	103/356
33/179	31/137	39/95	54/183	157/594
115/1104	378/11411	531/5897	735/8071	1759/26483

## 3.3. Standard & Poor's

	2011:Q1	2011:Q2	2011:Q3	2011:Q4	TOTAL
France	0/2	0/24			0/26
Germany	11/8	4/51			15/59
Italy	0/7	16/38			16/45
Netherlands	0/13	0/22			0/35
Spain	0/52	4/70			4/122
UK	15/46	30/219			45/265
Multinational <sup>3</sup>	50/120	70/375			120/495
European Total	76/248	124/799			200/1047
US	818/2725	356/2495			1174/5220

2010:Q1	2010:Q2	2010:Q3	2010:Q4	TOTAL
1/1	0/0	0/0	1/2	2/3
2/33	17/48	5/26	0/32	24/139
5/4	0/9	0/8	1/19	6/40
2/16	0/0	0/6	0/0	2/22
0/46	0/30	2/25	2/34	4/135
30/205	23/190	46/50	21/73	120/518
92/789	185/626	76/187	106/204	459/1806
132/1094	225/903	129/302	131/364	617/2663
28/10595	121/3671	48/2123	465/2072	662/18461

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

<sup>1</sup> Each box contains two numbers: Upgrades followed by Downgrades. Because the three credit rating agencies track different securities and apply slightly different rating criteria, these numbers are not directly comparable.

Fitch's "Multinational" classification includes cross-jurisdictional CMBS issues as well as the aggregated sum of rating actions in other EMEA countries, namely Austria, Belgium, Greece, Ireland, Portugal, and the Russian Federation. Fitch assigns CDO issues to the country in which the majority of the underlying assets are located.

"Multinational" for Standard & Poor's and Moody's ratings is defined as all issues with collateral located in multiple countries. All CDOs are also included in this category.

## **CREDIT QUALITY - RATING CHANGES**

## Upgrades/Downgrades by Collateral<sup>1</sup> 3.4. Fitch Ratings – Europe

o.i. ritori itatings Europo							
	2011:Q1	2011:Q2	2011:Q3	2011:Q4	TOTAL		
Auto	12/0	9/1			21/1		
Credit Card	0/1	10/1			10/2		
Other ABS <sup>2</sup>	4/14	5/8			9/22		
CDO	1/131	6/39			7/170		
CMBS	9/51	19/40			28/91		
RMBS (prime)	3/45	7/137			10/182		
RMBS (non-conforming)	4/7	7/1			11/8		
Total	33/249	63/227			96/476		

#### 3.5. Moody's Investors Service - Europe

olor moduje mredicio del rico							
	2011:Q1	2011:Q2	2011:Q3	2011:Q4	TOTAL		
Auto	0/0	2/0			2/0		
CDO	94/26	147/29			241/55		
CMBS	0/50	0/54			0/104		
Credit Card	0/0	0/1			0/1		
RMBS (prime)	2/86	5/141			7/227		
RMBS (non-conforming)	0/17	1/31			1/48		
Total	96/179	155/256			251/435		

#### 3.6. Standard & Poor's - Europe

	2011:Q1	2011:Q2	2011:Q3	2011:Q4	TOTAL
Auto	2/1	2/9			4/10
CDO	52/89	88/94			140/183
CMBS	10/38	7/228			17/266
Credit Card	0/0	0/6			0/6
RMBS (prime)	3/65	8/244			11/309
RMBS (non-conforming)	0/20	8/111			8/131
Total	67/213	113/692			180/905

#### 3.7. Fitch Ratings - US

	2011:Q1	2011:Q2	2011:Q3	2011:Q4	TOTAL
Auto	26/0	17/0			43/0
Credit Card	0/0	0/0			0/0
Other ABS <sup>2</sup>	12/84	13/85			25/169
CDO	7/144	34/100			41/244
CMBS	22/788	68/503			90/1291
RMBS (prime)	0/303	0/265			0/568
RMBS (subprime)	1/1832	0/56			1/1888
Other RMBS <sup>3</sup>	0/731	16/2698			16/3429
Total	68/3882	148/3707			216/7589

### 3.8. Moody's Investors Service - US

3.0. Moday 3 mivestors Service 03								
	2011:Q1	2011:Q2	2011:Q3	2011:Q4	TOTAL			
Auto	37/0	87/0			124/0			
CDO	536/32	521/45			1057/77			
CMBS	115/481	101/175			216/656			
Credit Card	0/0	0/0			0/0			
RMBS	8/7935	14/4131			22/12066			
Total	696/8448	723/4351			1419/12799			

## 3.9. Standard & Poor's - US

	2011:Q1	2011:Q2	2011:Q3	2011:Q4	TOTAL
Auto	3/2	42/1			45/3
CDO	776/200	305/499			1081/699
CMBS	37/685	9/723			46/1408
Credit Card	0/0	0/2			0/2
RMBS (prime)	0/1010	0/880			0/1890
RMBS (subprime)	2/828	0/390			2/1218
Total	818/2725	356/2495			1174/5220

2010:Q1	2010:Q2	2010:Q3	2010:Q4	TOTAL
4/7	10/3	0/1	4/0	18/11
16/0	0/0	0/0	0/0	16/0
2/25	0/12	3/7	0/7	5/51
2/125	7/87	0/42	1/30	10/284
4/44	3/72	9/34	7/44	23/194
6/58	7/41	19/58	2/45	34/202
4/8	0/11	23/12	27/14	54/45
38/267	27/226	54/154	41/140	160/787

2010:Q1	2010:Q2	2010:Q3	2010:Q4	TOTAL
0/0	0/6	6/0	5/0	11/6
4/72	22/90	28/70	47/100	101/332
6/17	0/24	4/21	0/13	10/75
14/15	0/1	0/0	0/0	14/16
4/56	5/25	1/29	2/30	12/140
9/35	4/17	0/4	0/40	13/96
37/195	31/163	39/124	54/183	161/665

2010:Q1	2010:Q2	2010:Q3	2010:Q4	TOTAL
2/11	12/1	5/0	2/0	21/12
89/781	192/702	87/180	110/196	478/1859
3/159	4/59	6/41	5/32	18/291
16/1	0/1	0/0	0/0	16/2
10/70	0/54	2/28	0/26	12/178
2/16	0/13	22/6	9/13	33/48
122/1038	208/830	122/255	126/267	578/2390

2010:Q1	2010:Q2	2010:Q3	2010:Q4	TOTAL
12/1	18/2	10/0	25/0	65/3
22/0	7/0	0/0	0/0	29/0
8/104	10/142	61/181	6/65	85/492
12/849	9/727	3/383	10/272	34/2231
1/274	25/596	21/433	0/545	47/1848
0/528	0/385	5/4365	0/146	5/5424
0/565	0/2588	0/103	0/142	0/3398
0/1134	0/299	0/4412	5/778	5/6623
55/3455	69/4739	100/9877	46/1948	270/20019

2010:Q1	2010:Q2	2010:Q3	2010:Q4	TOTAL
9/0	19/0	83/0	32/0	143/0
23/187	191/333	306/237	309/206	829/963
24/721	35/753	47/673	143/2041	249/4188
59/3	0/0	0/3	0/0	59/6
0/193	133/10325	95/4984	251/5824	479/21326
115/1104	378/11411	531/5897	735/8071	1759/26483

2010:Q1	2010:Q2	2010:Q3	2010:Q4	TOTAL
16/0	27/3	4/1	14/26	61/30
12/1927	60/1012	2/882	386/384	460/4205
0/1029	9/1007	34/564	59/994	102/3594
0/0	24/36	0/0	6/1	30/37
0/4353	1/1204	7/402	0/266	8/6225
0/3286	0/409	1/274	0/401	1/4370
28/10595	121/3671	48/2123	465/2072	662/18461

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

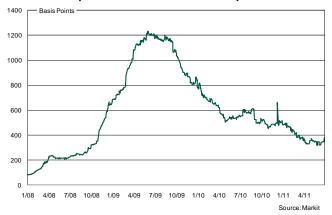
<sup>1</sup> Each box contains two numbers: Upgrades followed by Downgrades. Because the three credit rating agencies track different securities and apply slightly different rating criteria, these numbers are not directly comparable.

May include student loans, equipment leases, home equity, and other.

May include other types of RMBS transactions such as ALT-A, reverse mortgages, government RMBS, etc.

## **CMBS SPREADS**

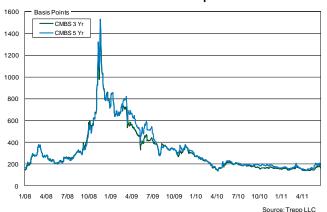
## 4.1. European 3-5 Yr AAA CMBS Spreads1



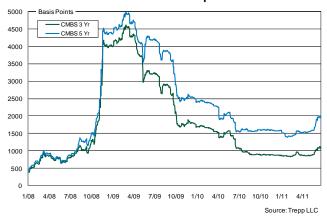
## 4.2. European 3-5 Yr BBB CMBS Spreads1



## 4.3. US 3 & 5 Yr AAA CMBS Spreads<sup>2</sup>



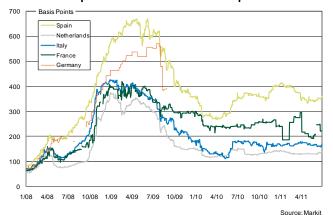
## 4.4. US 3 & 5 Yr BBB CMBS Spreads<sup>2</sup>

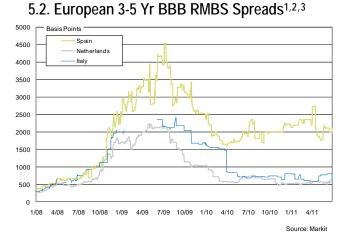


<sup>&</sup>lt;sup>1</sup> Markit provides independent composite spread levels which are calculated from dealer contributions and are subject to multiple cleaning algorithms. These levels are equivalent to the 'discount margin' which is defined as the effective spread to maturity of a floating rate security after discounting the yield value of a price other than par over the life of a security. 
<sup>2</sup> US CMBS spreads are quoted for fixed rate bonds as the spread to the yield on US Treasury Bonds with the same average life as the CMBS bond.

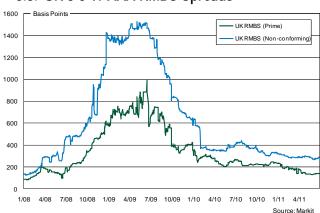
## RMBS SPREADS

## 5.1. European 3-5 Yr AAA RMBS Spreads<sup>1</sup>

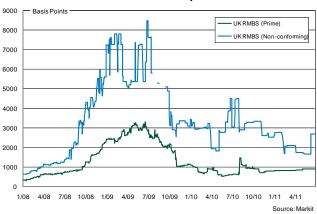




## 5.3. UK 3-5 Yr AAA RMBS Spreads<sup>1</sup>



## 5.4. UK 3-5 Yr BBB RMBS Spreads<sup>1,4</sup>



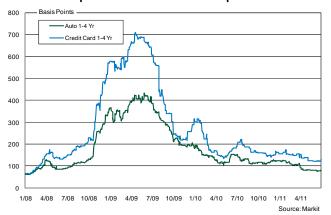
<sup>&</sup>lt;sup>1</sup> Markit provides independent composite spread levels which are calculated from dealer contributions and are subject to multiple cleaning algorithms. These levels are equivalent to the 'discount margin' which is defined as the effective spread to maturity of a floating rate security after discounting the yield value of a price other than par over the life of a security.

French 3-5 year BBB RMBS credit spreads are unavailable.
 German BBB spreads are unavailable due to insufficient information at time of publication.

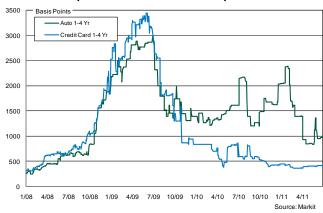
<sup>&</sup>lt;sup>4</sup> Due to a lack of bonds populating the WAL 3-5 year sector for UK Prime RMBS BBB, the sector has been replaced with the WAL 1-3 year UK Prime RMBS sector. The UK non-conforming RMBS BBB sector will continue to remain WAL 3-5 years.

## **ABS SPREADS**

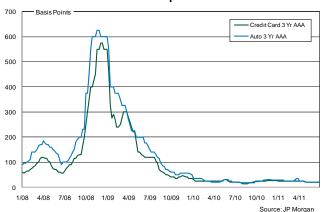
## 6.1. European 1-4 Yr AAA ABS Spreads1



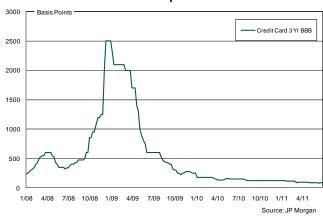
## 6.2. European 1-4 Yr BBB ABS Spreads<sup>1</sup>



## 6.3. US 3 Yr AAA ABS Spreads



## 6.4. US 3 Yr BBB ABS Spreads<sup>2</sup>

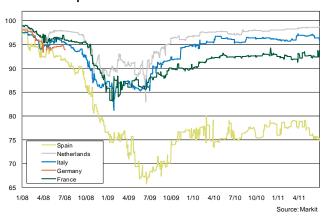


<sup>&</sup>lt;sup>1</sup> Markit provides independent composite spread levels which are calculated from dealer contributions and are subject to multiple cleaning algorithms. These levels are equivalent to the 'discount margin' which is defined as the effective spread to maturity of a floating rate security after discounting the yield value of a price other than par over the life of a security.

<sup>2</sup> US 3 Yr Auto ABS BBB spreads are not available.

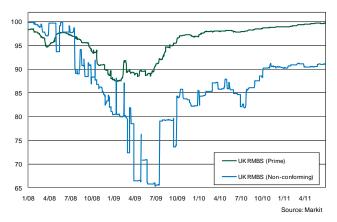
## RMBS PRICES

## 7.1. European 3-5 Yr AAA RMBS Prices<sup>1,2</sup>



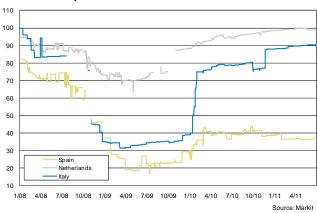
- Spanish AAA RMBS provided: IM Pastor 3, Fondo de Titulizacion Hipotecaria, Class A, Series 3. ISIN# ES0347862007. EUR-denominated.
- Dutch AAA RMBS provided: Saecure 5 B.V. Class A, Series 1. ISIN# XS0217032738. EUR-denominated.
- Italian AAA RMBS provided: Vela Home S.r.l. 3, Class A, Series 3. ISIN# IT0003933998. EUR-denominated.
- German AAA RMBS provided: Hallam Finance plc, Class A, Series 1. ISIN# XS0206470865. EUR-denominated.
- French AAA RMBS provided: FCC Loggias Compartment 2003, Class A, Series 1. ISIN# FR0010029231. EUR-denominated.

## 7.3. UK 3-5 Yr AAA RMBS Prices<sup>1</sup>



- UK AAA prime RMBS provided: Permanent Financing (No. 9) PLC, Class 4A, Series 9. ISIN# XS0248264060. EUR-denominated.
- UK AAA non-conforming RMBS provided: Leek Finance (No. 17) PLC, Class CC, Series 17. ISIN# XS0232829332. EUR-denominated.

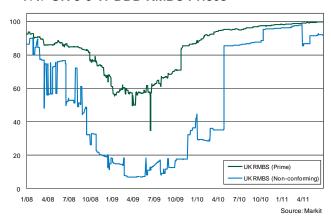
## 7.2. European 3-5 Yr BBB RMBS Prices<sup>1</sup>



- Spanish BBB RMBS provided: Hipocat 8, Fondo de Titulizacion Activos, Class D, Series 1: ISIN# ES0345784047. EUR-denominated.
- Dutch BBB RMBS provided: Dutch Mortgage Portfolio Loans IV B.V., Class C, Series 1. ISIN# XS0194097670. EUR-denominated.
- Italian BBB RMBS provided: Intra Mortgage Finance 1 S.r.l., Class 1, Series 1. ISIN# IT0003406003. EUR-denominated.

Note: French and German 3-5 Yr BBB RMBS data are not available.

## 7.4. UK 3-5 Yr BBB RMBS Prices1



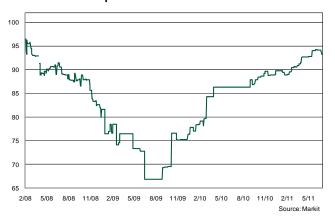
- UK BBB prime RMBS provided: Permanent Financing (No. 5) PLC, Class C, Series 5. ISIN# XS0197070831. GBP-denominated.
- UK BBB subprime RMBS provided: Leek Finance Number Sixteen Plc, Class Cc, Series 1. ISIN# XS0232829332. EUR-denominated.

<sup>&</sup>lt;sup>1</sup> Markit prices: Independent composite prices levels are calculated from dealer contributions which have been subject to multiple cleaning algorithms for one sample bond per sector and ratings category where possible. According to the rules we have agreed on previously, the security we have chosen receives the greatest number of contributions for a bond matching the criteria and must receive at least 3 individual contributions. We have included data from the start of 2007 to present.

<sup>&</sup>lt;sup>2</sup> A composite level of prices for Germany 3-5 year AAA RMBS could not be formed after 7 July 2008.

## CMBS AND ABS PRICES

## 8.1. Pan-European 3-5 Yr AAA CMBS Prices1



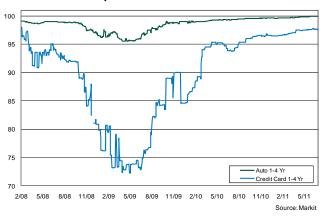
Pan-European AAA CMBS provided: Opera Finance (Metrocentre) Plc, Class A, Series 1. ISIN# XS0211548143. GBP-denominated.

## 8.2. Pan-European 3-5 Yr BBB CMBS Prices<sup>1</sup>



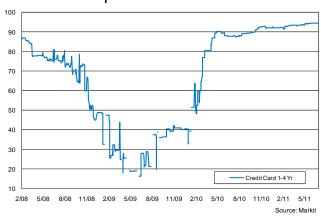
Pan-European BBB CMBS provided: German Residential Asset Note Distributor Plc, Class D, Series 1. ISIN# XS0260143101. EUR-denominated.

## 8.3. Pan-European 1-4 Yr AAA ABS Prices1



- Pan-European AAA Auto ABS provided: Driver Two GmbH, Class A, Series 1. ISIN# XS0228171673. EUR-denominated.
- Pan-European AAA Credit Card ABS provided: Chester Asset Receivables DGS 2004-1, Class A, Series UK2004-1. ISIN# XS0188611783. GBPdenominated.

## 8.4. Pan-European 1-4 Yr BBB ABS Prices<sup>1</sup>



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

Note: Pan-European 1-4 Yr BBB Auto ABS price data are not available.

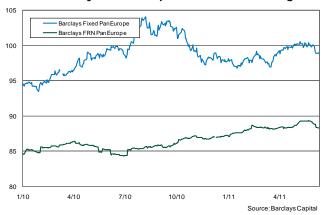
<sup>&</sup>lt;sup>1</sup> Markit prices: Independent composite price levels are calculated from dealer contributions which have been subjected to multiple cleaning algorithms for one sample bond per sector and ratings category where possible. According to the rules we have agreed on previously, the security we have chosen receives the greatest number of contributions for a bond matching the criteria and must receive at least 3 individual contributions. We have included data from start of 2007 to present.

## INDICES DATA

## 9.1. Securitised Index Option Adjusted Spreads



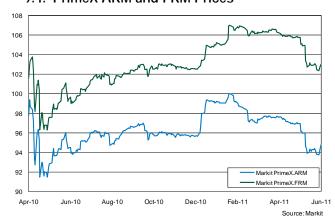
## 9.2. Barclays PanEurope Fixed and Floating Prices



## 9.3. ABX.HE and CMBX Prices<sup>1</sup>



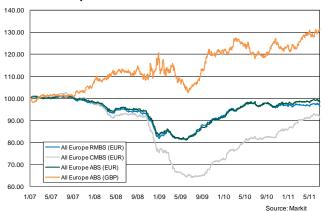
## 9.4. PrimeX ARM and FRM Prices



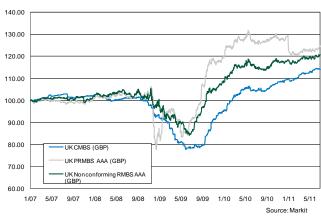
<sup>&</sup>lt;sup>1</sup> Due to pricing convention changes occurring on 20 April 2009, ABX.HE and CMBS spreads are no longer available.

## TOTAL RETURN DATA

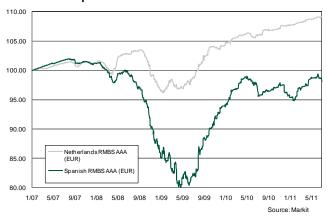
## 10.1. European Total Return<sup>1</sup>



## 10.2. UK Total Return<sup>1</sup>



## 10.3. Europe ex UK RMBS AAA<sup>1</sup>



<sup>&</sup>lt;sup>1</sup> Total Return Data may be denominated in either EUR or GBP depending on the index. See legends for more detail.

## ASSET-BACKED COMMERCIAL PAPER

#### € BILLIONS1

## 11.1. European ABCP Historical Issuance

	Q1	Q2	Q3	Q4	TOTAL <sup>2</sup>
2004	28.2	29.7	35.8	37.8	131.5
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	32.8	35.3			68.1

## 11.2. Furopean ABCP Issuance by Nationality of Issuer<sup>3</sup>

11.2. European Abor 133dance by Nationality of 133der						
	2011:Q1	2011:Q2	2011:Q3	2011:Q4	TOTAL <sup>2</sup>	
France	7.2	8.9			16.1	
Germany					0.0	
Ireland	22.2	21.0			43.2	
Italy					0.0	
Luxembourg					0.0	
Netherlands					0.0	
Spain	0.0	0.0			0.0	
UK	3.4	5.4			8.8	
Total <sup>2</sup>	32.8	35.3			68.1	

## 11.3. European ABCP Issuance by Programme Type

	2011:Q1	2011:Q2	2011:Q3	2011:Q4	TOTAL <sup>2</sup>
SIVs					0.0
Single-Seller Conduits					0.0
Multi-Seller Conduits	21.1	25.8			46.9
Unspecified	11.8	9.4			21.3
Total <sup>2</sup>	32.9	35.3			68.2

## 11.4. ABCP Outstandings by Nationality of Issuer

	2011:Q1	2011:Q2	2011:Q3	2011:Q4
France	2.8	3.4		
Germany				
Ireland	6.4	7.1		
Italy				
Luxembourg				
Netherlands				
Spain				
UK	1.0	1.0		
European Total <sup>2,4</sup>	10.3	11.4		
US Total <sup>1,2</sup>	188.1			

2010:Q1	2010:Q2	2010:Q3	2010:Q4	TOTAL <sup>2</sup>
5.1	6.3	7.2	7.0	25.5
0.0				0.0
24.2	26.0	26.9	27.9	105.0
0.0				0.0
0.1	0.2	0.2	0.1	0.6
		0.0	0.0	0.0
2.6	3.3	4.5	3.8	14.2
32.1	35.7	38.8	38.8	145.4

2010:Q1	2010:Q2	2010:Q3	2010:Q4	TOTAL <sup>2</sup>
	0.0			0.0
0.1	0.2	0.2	0.1	0.6
20.4	23.0	25.7	24.8	93.9
11.6	12.5	12.9	13.9	50.9
32.1	35.7	38.8	38.8	145.4

2010:Q1	2010:Q2	2010:Q3	2010:Q4
1.5	2.2	2.3	2.4
7.4	8.4	7.4	6.4
0.1	0.1	0.1	
		0.0	0.0
1.1	1.9	1.9	1.5
10.0	12.5	11.7	10.3
217.9	222.8	196.1	192.8

Source: Dealogic, Moody's Investors Service

All volumes are denominated in euro. The US volumes were converted from dollar to euro based on the \$/€ exchange rates as of quarter-end.

All volumes are denominated in euro. The US volumes were converted from dollar to euro based on the \$\sigma \extraction \text{exchange rates as or quarter-end.}\)

Numbers may not add due to independent rounding. Historical or prior period numbers are revised to reflect changes in classification, refined selection methodology, or information submitted to our data source after the prior period cut-off dates.

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.

Outstanding data are restricted to nationality of the issuer to determine the country of collateral. Dealogic provides the issuer's nationality as the country in which the SPV is domiciled.

## ASSET-BACKED COMMERCIAL PAPER

#### € BILLIONS1

## 11.5. European ABCP Outstandings by Programme Type

	2011:Q1	2011:Q2	2011:Q3	2011:Q4
SIVs				
Single-Seller				
Multi-Seller	7.8	8.7		
Unspecified	2.5	2.8		
Total	10.3	11.4		

2010:Q1	2010:Q2	2010:Q3	2010:Q4
0.1	0.1	0.1	0.1
7.5	8.9	8.7	7.7
2.5	3.6	3.0	2.5
10.0	12.5	11.7	10.3

11.6. US	ABCP O	utstandings	bv	Programme	Tvpe <sup>2</sup>
----------	--------	-------------	----	-----------	-------------------

	2011:Q1	2011:Q2	2011:Q3	2011:Q4
Loan-Backed				
SIVs				
Single-Seller	21.4			
Multi-Seller	159.1			
Unspecified <sup>5</sup>	7.7			
Total <sup>1,3</sup>	188.1			

2010:Q1	2010:Q2	2010:Q3	2010:Q4
18.6	17.4	13.4	15.3
189.6	195.0	174.6	170.0
9.8	10.4	8.1	7.5
217.9	222.8	196.1	192.8

Source: Dealogic, Moody's Investors Service

<sup>3</sup> Includes arbitrage and hybrid programme types.

## 11.7. ABCP Outstanding Assets Split by Country<sup>1</sup>

Country	
United States	28.3%
United Kingdom	20.4%
Others	14.2%
Global <sup>2</sup>	13.7%
Germany	7.4%
Europe <sup>3</sup>	7.1%
Italy	4.6%
France	4.3%
Total	100.0%

Source: Moody's Investors Service

<sup>11.8.</sup> US ABCP to AA Non-financial CP Spread



<sup>&</sup>lt;sup>1</sup> All volumes are denominated in euro. The US volumes were converted from dollar to euro based on the \$/€ exchange rates as of quarter-end.

Based on US ABCP programmes rated by Moody's NY office ABCP Program Index, regardless of market. Therefore, some euro-denominated ABCP may be included in this figure.

Percentages shown are as of June 2010; all EMEA ABCP programmes.
 Refers to ABCP with assets originating from multiple countries, at least one of which is outside Europe.
 Refers to ABCP with assets originating from multiple European countries.

## **GLOBAL COMPARATIVE DATA**

## € BILLIONS¹

## 12.1. Global Securitisation Issuance<sup>2</sup>

	2011:Q1	2011:Q2	2011:Q3	2011:Q4	TOTAL <sup>1</sup>
US	115.0	103.9			218.9
Europe	10.1	18.8			28.9
Asia	16.4	23.3			39.6
Total <sup>1</sup>	141.4	146.0			287.5

2010:Q1	2010:Q2	2010:Q3	2010:Q4	TOTAL <sup>1</sup>
119.5	110.1	128.1	134.6	492.3
15.1	17.9	25.6	14.0	72.5
8.7	8.3	13.9	13.4	44.4
143.3	136.4	167.5	162.1	609.2

## 12.2. Global Corporate Bond Issuance<sup>3</sup>

12.2. Global Gol polato Bolla loganico								
	2011:Q1	2011:Q2	2011:Q3	2011:Q4	TOTAL <sup>1</sup>			
US	99.6	88.8			188.4			
Europe	187.3	110.7			298.0			
Asia	91.6	97.7			189.3			
Total <sup>1</sup>	378.5	297.2			675.7			

2010:Q1	2010:Q2	2010:Q3	2010:Q4	TOTAL <sup>1</sup>
74.0	49.1	104.4	75.6	303.0
184.2	91.1	146.6	86.0	507.9
78.8	86.1	89.6	81.0	335.5
337.0	226.3	340.6	242.6	1146.4

## 12.3. Global Government Bond Issuance<sup>4</sup>

	2011:Q1	2011:Q2	2011:Q3	2011:Q4	TOTAL <sup>1</sup>
US	141.7	125.6			267.3
Europe	191.3	125.9			317.2
Asia	37.9	38.7			76.6
Total <sup>1</sup>	370.9	290.2			661.1

2010:Q1	2010:Q2	2010:Q3	2010:Q4	TOTAL <sup>1</sup>
243.3	218.5	217.1	175.5	854.3
181.4	99.2	112.9	61.4	454.9
45.3	39.1	56.2	44.7	185.4
470.0	356.8	386.2	281.6	1494.6

Source: Dealogic

US and Asian volumes were converted to euro based on the average exchange rate of the currency of issue to euro over each given quarter. Historical or prior period numbers are revised to reflect changes in classification, refined selection methodology, or information submitted to our data source after the prior period cut-off dates.
 Global securitisation issuance includes ABS & MBS, both public and private placements, but excludes any retained volumes. Asia numbers include Japan.
 Global corporate bond issuance is for investment grade bonds, public placements only. Asia numbers include Japan.
 Global government bond issuance includes all agency and non agency issuances and does not include supranationals. Asia numbers include Japan.

# Summary of the Methodologies Adopted for this Report

#### 1. Issuance

## 1.1. – 1.2. European and US Historical Issuance (p. 3)

The tables covering historical issuance in Europe and the US are denominated in EUR billions. The historical issuance volume total is calculated by adding all transactions in different asset classes including, among others, asset-backed securities (ABS), collateralised debt obligations (CDOs), 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.

## 1.3. - 1.4. Issuance by Collateral (p. 3)

The European issuance volumes are determined based on the review of four data sources: Bloomberg, JP Morgan, Thomson Reuters, and UniCredit starting from Q1 2009; and Deutsche Bank starting from Q1 2010. In prior quarters our sources were Bloomberg, JP Morgan, Merrill Lynch 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, securities are designated as European if they are issued in any European currency, regardless of their country of collateral.

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 issuance data source is 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 data are defined as USD-denominated CDOs regardless of the country of collateral. The US issuance data are converted to Euros based on the USD to EUR exchange rate at each quarter-end indicated below.

Q3 2009	.6831
Q4 2009	.6978
Q1 2010	.7402
Q2 2010	.8172
Q3 2010	.7334
Q4 2010	.7471
Q1 2011	.7064
Q2 2011	.6896

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

## 1.5. Issuance by Country of Collateral (p. 4)

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. Securities with the underlying collateral originating from more than one jurisdiction are categorised as Multinational. Almost all CDOs 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 Q1 2010, Bloomberg, JP Morgan, Thomson Reuters and UniCredit starting from Q1 2009; and RBS starting from Q3 2009. In prior quarters the sources were Bloomberg, JP Morgan, Thomson Reuters and Merrill Lynch.

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

## 1.6. Issuance by Collateral Type and Country of Collateral (p. 4)

Issuance information is further specified by country of collateral for European issuance only and by asset class. CDO classification is the same as above.

#### 1.7. – 1.8. Issuance by Rating (p. 5)

Issuance is presented by credit rating classification (AAA; AA; A; BBB and below; and Not Rated) on a quarterly basis for 2007 and 2008. 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.

## 1.9. Issuance by Deal Size (p. 5)

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. US non-Agency data includes ABS, non-agency CMBS and RMBS, and USD-denominated CDOs. US agency MBS, which includes agency CMBS and RMBS, is shown separately.

All data, except for CDOs, 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.

## 2. Balances Outstanding

## 2.1. - 2.2. Outstandings by Collateral (p. 6)

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 accordingly. Tranches that are non-EURdenominated 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 in the calculations, except for CDOs, 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 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.

For the CDO 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 asset class has been further broken down into the CDO and SME asset classes. SME securities follow the same criteria application as non-CDOs. 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; agency balance statements for agency MBS; Loan Performance for nonagency RMBS; Federal Reserve, Bloomberg and SIFMA for non-agency CMBS. The following asset classes are segmented: agency MBS, non-agency RMBS, non-agency CMBS, and ABS. The agency MBS figures include both RMBS and CMBS. The ABS classification for the US includes CDOs, which contains USD-denominated CDOs regardless of the country of collateral.

### 2.3. Outstandings by Country of Collateral (p. 7)

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 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 is predominantly (over 90%) from one country.

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

## 2.4. – 2.5. Outstandings by Moody's Rating (p. 8)

The percentage rating distribution for Europe and the US is based on Moody's Investors Service data for balances outstanding. The data provides current ratings as of the end of the quarter. The data presented are based on original issuance volumes for European and US securities, and therefore do not reflect amortised balances. Information on current ratings by outstanding volumes is not currently available. Moody'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.

## 2.6. Outstandings by Country and Collateral (p. 9)

Outstanding volumes are further specified by asset class and, for Europe only, by country of collateral. CDO selection criteria are the same as above.

## 2.7. Outstandings by Vintage (p. 9)

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

## 3. Credit Quality - Rating Changes

## 3.1. – 3.3. Upgrades/Downgrades by Country (p. 10)

These tables present the aggregate number of upgrades and downgrades for securitisation (including CDOs) by country of collateral for European deals and in total for US deals. The information is based on data provided by 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.

The Multinational category includes CDOs 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.

## 3.4. – 3.9. Upgrades/Downgrades by Collateral (p. 11)

These tables present aggregate upgrades and downgrades for securitisation and CDO issues by securitised product type for Europe and the US. The upgrade number is shown first followed by the downgrade number. The upgrades and 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 (WBS). For Moody's Investors Service and Standard & Poor's, the total number of European upgrades/downgrades reported by collateral type are not always comparable with the 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 (p. 12)

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. - 5.5. RMBS Spreads (p. 13)

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

US subprime AAA home equity credit spreads are calculated over LIBOR and provided by Barclays Capital.

## 6.1. - 6.4. ABS Spreads (p. 14)

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.

## 7 - 8 Prices

## 7.1. – 7.4. RMBS Prices (p. 15)

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 (p. 16)

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

### 9.1. - 9.3. Indices Data (p. 17)

The first graph presents daily option-adjusted spreads provided by Barclays Capital for Europe and US ABS indexes from a cross-section of securitised products. The second graph presents prices provided by Barclays for a cross-section

of pan-European securitised products, broken out by fixed and floating rates.

The third graph presents daily prices provided by Markit for the benchmark AAA and BBB rated US ABX and CMBX derivative indices. The ABX (ABX.HE) is an index from reference obligations issued by twenty issuers of RMBS that meet the criteria specified in the ABX.HE Index Rules. The majority of the mortgages backing the security underlying must be first-liens. The index calculation is based on the Markit proprietary methodology calculating the contributed prices from dealers. The CMBX follows a similar methodology as an index for credit derivatives of US CMBS issues. The ABX and CMBX are widely followed benchmarks in the securitised marketplace for subprime RMBS and CMBS market sectors, respectively.

## 10 Total Return Benchmark Data 10.1. – 10.3. Total Return Data (p. 18)

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.

For more information, please visit here: <a href="http://www.markit.com/en/products/data/indices/structured-finance-indices/iboxx-abs/iboxx-abs.page">http://www.markit.com/en/products/data/indices/structured-finance-indices/iboxx-abs/iboxx-abs.page</a>

## 11. Asset-Backed Commercial Paper (ABCP) 11.1. – 11.2. ABCP Historical Issuance; ABCP Issuance by Nationality of Issuer (p. 19)

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** (p. 19)

ABCP data by programme type is provided by Dealogic and covers the period from 2008 through 2009 for Europe. The programme type classifications included are: SIVs, single-seller conduit, multi-seller conduit and 'unspecified'.

## 11.4. ABCP Outstandings by Nationality of Issuer (p. 19)

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.

## 11.5. – 11.6. ABCP Outstandings by Programme Type (p. 20)

Outstanding quarterly data are provided from the first quarter of 2008 through 2009 for Europe and the US. The European data are provided by Dealogic and the US data are provided by 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'.

## 11.7. ABCP Outstanding Assets Split by Country (p. 20)

Global outstanding ABCP assets percentages are presented by country as of June 2008. The information is provided by Moody's Investors Service. The asset percentage represents the actual amount of assets funded via ABCP and other sources, not including cash and short-term investments. Therefore the asset percentage is not necessarily equal to the ABCP outstanding amount.

## 11.8. ABCP Spreads (p. 20)

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 (p. 21)

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. The issuance volumes are provided quarterly for 2007 and 2008. 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.

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