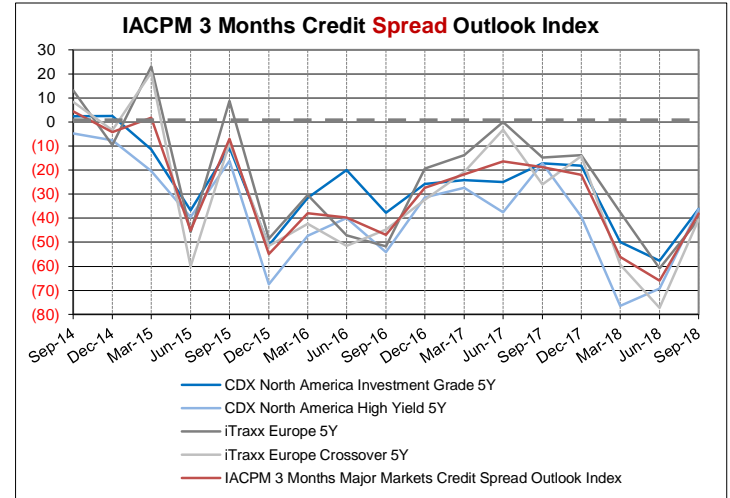


## Expected direction Credit Spreads will move over the course of the next 3 months

Percent of total respondents selecting the option.	Up (widen)	Unchanged	Down (narrow)	IACPM 3 Months Credit Spread Outlook Index <i>(positive numbers indicate credit improvement)</i>				
	Sep-18	Sep-18	Sep-18	Sep-18	Jun-18	Mar-18	Dec-17	Sep-17
CDX North America Investment Grade 5Y	44%	47%	8%	(36.1)	(57.7)	(50.0)	(18.2)	(17.2)
CDX North America High Yield 5Y	44%	47%	8%	(36.1)	(69.2)	(76.5)	(39.4)	(17.2)
iTraxx Europe 5Y	44%	53%	3%	(40.6)	(60.9)	(37.5)	(13.8)	(14.8)
iTraxx Europe Crossover 5Y	44%	53%	3%	(40.6)	(77.3)	(59.4)	(14.3)	(25.9)
<b>IACPM 3 Months Major Markets Credit Spread Outlook Index</b> <i>(weighted average based on number of responses)</i>				<b>(38.2)</b>	<b>(66.0)</b>	<b>(56.2)</b>	<b>(22.0)</b>	<b>(18.8)</b>

## Third Quarter 2018 Credit Outlook



## Expected direction Credit Default Rates will move over the course of the next 12 months

*(annual twelve month trailing)*

Percent of total respondents selecting the option.	Up	Unchanged	Down	IACPM 12 Months Credit Default Outlook Index <i>(positive numbers indicate credit improvement)</i>				
	Sep-18	Sep-18	Sep-18	Sep-18	Jun-18	Mar-18	Dec-17	Sep-17
Average Corporate	58%	34%	8%	(49.5)	(55.9)	(48.7)	(24.0)	(33.9)
North America Corporate	57%	30%	14%	(43.2)	(65.5)	(57.9)	(26.5)	(41.7)
Europe Corporate	63%	31%	6%	(56.3)	(55.6)	(45.7)	(8.8)	(21.9)
Asia Corporate	64%	32%	5%	(59.1)	(52.2)	(40.7)	(42.1)	(47.8)
Australia Corporate	44%	50%	6%	(38.9)	(42.9)	(46.7)	(29.4)	(22.2)
Average Retail/ Consumer Mortgage	53%	41%	6%	(47.1)	(50.6)	(52.9)	(38.3)	(41.1)
Average Commercial Real Estate	57%	30%	13%	(44.7)	(46.4)	(39.2)	(29.2)	(34.0)
<b>IACPM Aggregate Credit Default Outlook Index</b> <i>(weighted average based on number of responses)</i>				<b>(47.2)</b>	<b>(51.1)</b>	<b>(47.2)</b>	<b>(30.3)</b>	<b>(36.3)</b>

## IACPM 12 Months Corporate Credit Default Outlook Index

