

4 October 2023 Credit Strategy

#### Supply for September (US\$bn)

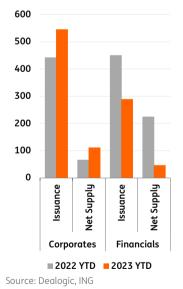
| C                 | orporates | Financials |
|-------------------|-----------|------------|
| September         | 46.2      | 50.9       |
| Source: ING. Deal | oaic      |            |

#### Supply FY and YTD (US\$bn)

| Corporates                   | FY                       | YTD                      |
|------------------------------|--------------------------|--------------------------|
| 2017                         | 742                      | 587                      |
| 2018                         | 653                      | 554                      |
| 2019                         | 701                      | 574                      |
| 2020                         | 1,164                    | 1,037                    |
| 2021                         | 723                      | 584                      |
| 2022                         | 555                      | 443                      |
| 2023                         | -                        | 546                      |
|                              |                          |                          |
| Financials                   | FY                       | YTD                      |
| Financials                   | <b>FY</b><br>425         | <b>YTD</b><br>349        |
|                              |                          |                          |
| 2017                         | 425                      | 349                      |
| 2017<br>2018                 | 425<br>436               | 349<br>392               |
| 2017<br>2018<br>2019         | 425<br>436<br>365        | 349<br>392<br>297        |
| 2017<br>2018<br>2019<br>2020 | 425<br>436<br>365<br>525 | 349<br>392<br>297<br>429 |

Source: ING, Dealogic

#### Supply and Net Supply YTD



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# **US Dollar Credit Supply**

Decent USD supply in September



#### Corporate supply hits US\$546bn, out of the US\$650bn we forecast for the year

- Corporate supply closed just above US\$46bn in September, mostly in line with the same period last year. Corporate YTD supply now amounts to US\$546bn. Net supply will still be low, but we revise our forecast modestly higher to US\$650bn on the back of slightly heavier supply seen in the first six months of this year. But we still expect supply to remain slow in the coming months as large prefinancing has been done and many issuers will be looking forward to potential rate cuts in 2024.
- Corporate issuance was mainly driven by Utilities, Industrial & Chemicals, TMT, and Consumer, with issuances ranging from US\$7bn to US\$10bn. Nonetheless, Consumer and Industrials & Chemicals issuance almost halved compared to September 2022. Despite this, all sectors are running ahead of last year on a YTD basis with the exception of Real Estate and TMT.
- YTD corporate Reverse Yankee supply is now at €33bn. We forecast up to €45bn for the year. We expect relatively slow supply over the coming months, particularly now that the equation for a cost saving advantage is becoming less favourable for US corporates as USD spreads have outperformed against EUR over the past few months, despite the small widening seen this week. We see value in Reverse Yankee bonds when they come to the market as they generally offer an attractive NIP.

### Large financials supply in September, but YTD supply still trails previous years

- Financials supply totalled US\$51bn in September, the highest monthly level in 2023 apart from January; an increase also compared to the same month in previous years. On a YTD basis, September financials supply contributed to a substantial jump to US\$340bn, although still below the levels of recent years. With redemptions of US\$23.1bn, net supply amounts to US\$27.8bn for September, and now stands at US\$74.3bn from a YTD perspective.
- Bank supply totalled US\$41bn in September, of which US\$38bn is senior, and US\$3bn is bank capital. Despite still sitting at a lower YTD level compared to 2022, September bank bond issuance more than doubled from August, and is more than three times that of September 2022.

### Fig 1 USD corporate supply overview (US\$bn)

|                        | 2019 | 2020 | 2021 | 2022 | 2022 Sep | 2023 Aug | 2023 Sep | 2022 YTD | 2023 YTD | % diff |
|------------------------|------|------|------|------|----------|----------|----------|----------|----------|--------|
| Auto                   | 36   | 40   | 29   | 29   | 2        | 5        | 3        | 25       | 28       | 11%    |
| Consumer               | 96   | 192  | 75   | 57   | 15       | 2        | 7        | 46       | 76       | 67%    |
| Healthcare             | 108  | 129  | 96   | 72   | -        | 3        | 4        | 45       | 94       | 108%   |
| Industrial & Chemicals | 81   | 207  | 80   | 85   | 13       | 7        | 8        | 69       | 76       | 10%    |
| Real Estate            | 58   | 55   | 55   | 26   | 2        | 1        | 2        | 23       | 23       | -2%    |
| TMT                    | 127  | 265  | 217  | 137  | 3        | 2        | 7        | 114      | 86       | -25%   |
| Utility                | 104  | 132  | 113  | 99   | 6        | 6        | 10       | 77       | 107      | 39%    |
| Oil & Gas              | 56   | 92   | 27   | 21   | 1        | 9        | 1        | 15       | 35       | 131%   |
| Others                 | 34   | 53   | 30   | 29   | 1        | 2        | 3        | 27       | 19       | -28%   |

Source: ING, Dealogic

Note: USD supply numbers include just IG corporates from America and Europe.

### Fig 2 USD financial supply overview (US\$bn)

|               | 2019 | 2020 | 2021 | 2022 | 2022 Sep | 2023 Aug | 2023 Sep | 2022 YTD | 2023 YTD | % diff |
|---------------|------|------|------|------|----------|----------|----------|----------|----------|--------|
| Bank          | 195  | 263  | 283  | 344  | 10       | 18       | 38       | 286      | 217      | -24%   |
| of which NPS  | 68   | 50   | 107  | 58   | 3        | 3        | 6        | 51       | 49       | -2%    |
| of which Pref | 127  | 214  | 176  | 286  | 7        | 15       | 33       | 236      | 167      | -29%   |
| Bank Capital  | 50   | 70   | 93   | 53   | 4        | 4        | 3        | 46       | 32       | -31%   |
| Finance       | 49   | 83   | 112  | 68   | 1        | 6        | 2        | 58       | 41       | -29%   |
| Insurance     | 47   | 69   | 63   | 48   | 3        | 3        | 5        | 43       | 35       | -17%   |
| Other         | 24   | 39   | 20   | 21   | 0        | 1        | 3        | 17       | 15       | -16%   |

Source: ING, Dealogic

## Fig 3 USD corporate supply and net supply by month (US\$bn)

| Issuance    | Jan  | Feb   | Mar   | Apr   | May   | Jun   | Jul  | Aug   | Sep  | Oct  | Νον  | Dec   | Total  |
|-------------|------|-------|-------|-------|-------|-------|------|-------|------|------|------|-------|--------|
| 2019        | 52.1 | 72.2  | 73.6  | 31.3  | 76.1  | 53.9  | 43.4 | 71.2  | 96.3 | 39.0 | 75.8 | 16.4  | 701.3  |
| 2020        | 50.5 | 52.3  | 191.1 | 213.1 | 170.5 | 113.9 | 39.3 | 110.5 | 93.3 | 56.1 | 60.7 | 13.0  | 1164.4 |
| 2021        | 32.0 | 76.1  | 132.5 | 32.2  | 83.4  | 58.3  | 33.4 | 59.6  | 75.1 | 32.5 | 61.9 | 45.7  | 722.9  |
| 2022        | 29.4 | 45.8  | 125.7 | 44.9  | 44.1  | 33.0  | 25.0 | 51.7  | 42.9 | 41.1 | 65.0 | 6.0   | 554.8  |
| 2023        | 47.9 | 129.0 | 68.1  | 30.7  | 124.3 | 33.6  | 29.5 | 36.3  | 46.2 |      |      |       | 545.7  |
| Net Supply  | Jan  | Feb   | Mar   | Apr   | May   | Jun   | Jul  | Aug   | Sep  | Oct  | Nov  | Dec   | Total  |
| 2019        | 13.7 | 16.8  | 13.7  | 3.6   | 29.3  | 16.7  | 24.4 | 41.9  | 62.5 | 0.6  | 51.7 | -3.5  | 271.5  |
| 2020        | 10.4 | 20.1  | 140.4 | 182.8 | 121.3 | 74.3  | 12.3 | 81.7  | 59.0 | 12.0 | 7.7  | -8.9  | 713.1  |
| 2021        | 2.9  | 24.5  | 75.6  | -6.1  | 37.8  | 7.6   | 15.6 | 28.0  | 24.0 | 2.2  | 11.3 | 19.3  | 242.8  |
| 2022        | -1.9 | 5.7   | 69.3  | 19.1  | -9.4  | -17.6 | -3.6 | 2.9   | 2.4  | 9.1  | 18.6 | -22.8 | 71.8   |
| Redemptions | 38.9 | 46.7  | 67.1  | 51.6  | 57.9  | 54.1  | 28.0 | 34.1  | 55.3 | 23.7 | 41.5 | 27.1  | 526.1  |
| 2023        | 9.0  | 82.3  | 1.0   | -20.9 | 66.5  | -20.5 | 1.5  | 2.2   | -9.1 |      |      |       | 112.0  |

Redemptions shown for 2023 only

Source: ING, Dealogic

## Fig 4 USD financial supply and net supply by month (US\$bn)

|             |      | 11.5 |      |      |      |      |      |      |       |      |      |      |       |
|-------------|------|------|------|------|------|------|------|------|-------|------|------|------|-------|
| Issuance    | Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sep   | Oct  | Nov  | Dec  | Total |
| 2019        | 53.0 | 22.9 | 42.8 | 30.0 | 33.8 | 24.8 | 27.2 | 18.0 | 43.7  | 37.7 | 22.4 | 8.4  | 364.5 |
| 2020        | 62.2 | 29.4 | 69.5 | 60.3 | 72.6 | 49.0 | 18.0 | 34.4 | 33.4  | 33.6 | 33.9 | 28.5 | 524.9 |
| 2021        | 67.7 | 26.3 | 57.5 | 66.1 | 53.9 | 52.1 | 39.8 | 34.2 | 41.6  | 70.1 | 43.8 | 20.7 | 573.9 |
| 2022        | 84.9 | 33.7 | 77.3 | 50.3 | 47.2 | 25.0 | 52.6 | 61.7 | 17.8  | 43.4 | 33.8 | 6.5  | 534.3 |
| 2023        | 67.0 | 21.7 | 25.9 | 29.3 | 26.4 | 43.3 | 45.1 | 30.8 | 50.9  |      |      |      | 340.3 |
| Net Supply  | Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sep   | Oct  | Nov  | Dec  | Total |
| 2019        | 16.8 | 5.5  | 21.1 | 0.2  | 1.0  | 9.2  | 10.2 | -7.2 | 19.1  | 19.1 | 11.6 | -5.5 | 101.2 |
| 2020        | 5.3  | 14.5 | 43.2 | 45.5 | 56.1 | 19.0 | -5.6 | 6.5  | 6.0   | 4.0  | 18.7 | 6.2  | 219.4 |
| 2021        | 19.2 | 0.3  | 22.4 | 23.8 | 11.8 | 32.6 | 8.2  | 10.6 | 28.0  | 48.4 | 24.6 | 10.4 | 240.1 |
| 2022        | 39.3 | 9.3  | 58.7 | 27.6 | 18.4 | 7.8  | 30.3 | 45.3 | -11.8 | 30.9 | 14.8 | -6.4 | 264.3 |
| Redemptions | 67.9 | 28.0 | 23.6 | 19.0 | 31.0 | 22.4 | 24.8 | 26.2 | 23.1  | 23.2 | 23.8 | 19.3 | 332.3 |
| 2023        | -0.9 | -6.2 | 2.2  | 10.2 | -4.6 | 21.0 | 20.2 | 4.5  | 27.8  |      |      |      | 74.3  |

Redemptions shown for 2023 only Source: ING, Dealogic

| Supply   | Jan                                    | Feb                                      | Mar                                     | Apr                                     | May                                       | Jun                                     | Jul                                    | Aug                                    | Sep                                     | Oct                                    | Nov                                    | Dec                                    | Total   |
|--|--|--|---|---|---|---|--|--|---|--|--|--|---|
| Autos  | 4.6                                    | 0.0                                      | 4.8                                     | 2.3                                     | 1.8                                       | 1.9                                     | 4.3                                    | 5.2                                    | 3.4                                     |  |  |  | 28.2  |
| Consumer   | 5.0                                    | 18.3                                     | 14.5                                    | 13.4                                    | 8.3                                       | 2.3                                     | 5.5                                    | 2.2                                    | 6.9                                     |  |  |  | 76.3  |
| Healthcare   | 2.6                                    | 34.7                                     | 8.5                                     | 0.0                                     | 40.3                                      | 1.0                                     | 0.3                                    | 3.0                                    | 4.1                                     |  |  |  | 94.4  |
| Industrial   | 11.1                                   | 14.4                                     | 7.2                                     | 4.7                                     | 10.8                                      | 4.9                                     | 8.3                                    | 7.0                                    | 7.9                                     |  |  |  | 76.2  |
| Real Estate  | 2.2                                    | 3.0                                      | 3.3                                     | 1.8                                     | 3.5                                       | 3.8                                     | 2.6                                    | 0.5                                    | 2.1                                     |  |  |  | 22.8  |
| TMT  | 6.8                                    | 27.6                                     | 6.0                                     | 4.7                                     | 28.9                                      | 3.6                                     | 0.0                                    | 2.0                                    | 7.0                                     |  |  |  | 86.3  |
| Utility  | 14.4                                   | 21.1                                     | 18.7                                    | 1.5                                     | 21.1                                      | 10.7                                    | 4.0                                    | 5.7                                    | 10.3                                    |  |  |  | 107.5   |
| Oil & Gas  | 0.6                                    | 10.1                                     | 3.1                                     | 0.8                                     | 6.2                                       | 3.5                                     | 0.0                                    | 9.2                                    | 1.5                                     |  |  |  | 34.9  |
| Others   | 0.8                                    | 0.0                                      | 2.0                                     | 1.7                                     | 3.6                                       | 2.0                                     | 4.6                                    | 1.6                                    | 3.1                                     |  |  |  | 19.3  |
| Redemptions  | -                                      |  |   |   |   |   |  |  |   |  |  |  |   |
| Redemptions  | Jan                                    | Feb                                      | Mar                                     | Apr                                     | May                                       | Jun                                     | Jul                                    | Aug                                    | Sep                                     | Oct                                    | Νον                                    | Dec                                    | Total   |
| Auto   | 3.1                                    | <b>Feb</b><br>3.6                        | <b>Mar</b><br>3.0                       | <b>Apr</b><br>3.0                       | <b>May</b><br>4.3                         | <b>Jun</b><br>2.1                       | <b>Jul</b><br>1.8                      | <b>Aug</b><br>3.0                      | <b>Sep</b><br>0.8                       | <b>Oct</b><br>1.5                      | <b>Nov</b><br>3.3                      | <b>Dec</b> 2.2                         | <b>Total</b><br>31.6                          |
| •  |  |  |   | •                                       |   |   |  | -                                      |   |  |  | -                                      |   |
| Auto   | 3.1                                    | 3.6                                      | 3.0                                     | 3.0                                     | 4.3                                       | 2.1                                     | 1.8                                    | 3.0                                    | 0.8                                     | 1.5                                    | 3.3                                    | 2.2                                    | 31.6  |
| Auto<br>Consumer   | 3.1<br>3.4                             | 3.6<br>10.0                              | 3.0<br>13.0                             | 3.0<br>13.8                             | 4.3<br>10.9                               | 2.1<br>8.1                              | 1.8<br>1.7                             | 3.0<br>4.4                             | 0.8<br>6.1                              | 1.5<br>5.0                             | 3.3<br>5.3                             | 2.2<br>4.2                             | 31.6<br>85.8                                  |
| Auto<br>Consumer<br>Healthcare                                     | 3.1<br>3.4<br>2.7                      | 3.6<br>10.0<br>3.7                       | 3.0<br>13.0<br>7.3                      | 3.0<br>13.8<br>3.8                      | 4.3<br>10.9<br>6.2                        | 2.1<br>8.1<br>5.4                       | 1.8<br>1.7<br>4.8                      | 3.0<br>4.4<br>4.9                      | 0.8<br>6.1<br>7.6                       | 1.5<br>5.0<br>3.8                      | 3.3<br>5.3<br>7.1                      | 2.2<br>4.2<br>7.5                      | 31.6<br>85.8<br>64.8                          |
| Auto<br>Consumer<br>Healthcare<br>Industrial                       | 3.1<br>3.4<br>2.7<br>8.4               | 3.6<br>10.0<br>3.7<br>6.4                | 3.0<br>13.0<br>7.3<br>8.5               | 3.0<br>13.8<br>3.8<br>8.7               | 4.3<br>10.9<br>6.2<br>11.1                | 2.1<br>8.1<br>5.4<br>5.5                | 1.8<br>1.7<br>4.8<br>6.0               | 3.0<br>4.4<br>4.9<br>5.9               | 0.8<br>6.1<br>7.6<br>4.2                | 1.5<br>5.0<br>3.8<br>2.2               | 3.3<br>5.3<br>7.1<br>6.9               | 2.2<br>4.2<br>7.5<br>2.1               | 31.6<br>85.8<br>64.8<br>75.9                  |
| Auto<br>Consumer<br>Healthcare<br>Industrial<br>Real Estate        | 3.1<br>3.4<br>2.7<br>8.4<br>2.5        | 3.6<br>10.0<br>3.7<br>6.4<br>2.2         | 3.0<br>13.0<br>7.3<br>8.5<br>1.1        | 3.0<br>13.8<br>3.8<br>8.7<br>2.3        | 4.3<br>10.9<br>6.2<br>11.1<br>1.4         | 2.1<br>8.1<br>5.4<br>5.5<br>4.4         | 1.8<br>1.7<br>4.8<br>6.0<br>0.6        | 3.0<br>4.4<br>4.9<br>5.9<br>2.3        | 0.8<br>6.1<br>7.6<br>4.2<br>2.4         | 1.5<br>5.0<br>3.8<br>2.2<br>1.3        | 3.3<br>5.3<br>7.1<br>6.9<br>2.0        | 2.2<br>4.2<br>7.5<br>2.1<br>1.6        | 31.6<br>85.8<br>64.8<br>75.9<br>24.0          |
| Auto<br>Consumer<br>Healthcare<br>Industrial<br>Real Estate<br>TMT | 3.1<br>3.4<br>2.7<br>8.4<br>2.5<br>7.5 | 3.6<br>10.0<br>3.7<br>6.4<br>2.2<br>13.7 | 3.0<br>13.0<br>7.3<br>8.5<br>1.1<br>9.3 | 3.0<br>13.8<br>3.8<br>8.7<br>2.3<br>9.3 | 4.3<br>10.9<br>6.2<br>11.1<br>1.4<br>12.2 | 2.1<br>8.1<br>5.4<br>5.5<br>4.4<br>15.8 | 1.8<br>1.7<br>4.8<br>6.0<br>0.6<br>3.8 | 3.0<br>4.4<br>4.9<br>5.9<br>2.3<br>5.0 | 0.8<br>6.1<br>7.6<br>4.2<br>2.4<br>20.5 | 1.5<br>5.0<br>3.8<br>2.2<br>1.3<br>2.9 | 3.3<br>5.3<br>7.1<br>6.9<br>2.0<br>2.4 | 2.2<br>4.2<br>7.5<br>2.1<br>1.6<br>3.9 | 31.6<br>85.8<br>64.8<br>75.9<br>24.0<br>106.2 |

## Fig 5 Corporate supply and redemptions by month, 2023 (US\$bn)

Source: ING, Dealogic

## Fig 6 Financial supply and redemptions by month, 2023 (US\$bn)

| Supply        | Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sep  | Oct  | Nov  | Dec | Total |
|---------------|------|------|------|------|------|------|------|------|------|------|------|-----|-------|
| Bank Senior   | 54.2 | 5.0  | 10.5 | 24.2 | 9.2  | 25.3 | 32.0 | 17.9 | 38.4 |      |      |     | 216.6 |
| of which NPS  | 16.7 | 2.6  | 8.0  | -    | 2.0  | 5.8  | 6.0  | 3.0  | 5.5  |      |      |     | 49.5  |
| of which Pref | 37.5 | 2.5  | 2.4  | 24.2 | 7.2  | 19.5 | 26.0 | 14.9 | 32.9 |      |      |     | 167.1 |
| Bank Capital  | 3.8  | 8.4  | 1.3  | -    | 3.5  | 4.5  | 4.2  | 3.6  | 2.5  |      |      |     | 31.8  |
| Finance       | 2.5  | 3.0  | 4.6  | 2.6  | 7.8  | 7.1  | 6.0  | 5.6  | 2.1  |      |      |     | 41.2  |
| Insurance     | 5.7  | 3.1  | 7.6  | 1.4  | 3.5  | 4.4  | 2.1  | 2.5  | 5.1  |      |      |     | 35.2  |
| Redemptions   |      |      |      |      |      |      |      |      |      |      |      |     |       |
| Bank Senior   | 50.0 | 17.0 | 15.4 | 12.8 | 18.6 | 12.0 | 16.1 | 17.0 | 9.1  | 15.0 | 11.9 | 9.5 | 204.4 |
| of which NPS  | 23.2 | 10.4 | 4.0  | 13.0 | 8.0  | 3.5  | 7.8  | 8.0  | 6.2  | 2.8  | 3.8  | 4.5 | 95.0  |
| of which Pref | 26.8 | 6.6  | 11.4 | -0.2 | 10.6 | 8.5  | 8.4  | 9.0  | 3.0  | 12.3 | 8.1  | 5.0 | 109.5 |
| Bank Capital  | 5.9  | 3.0  | 6.1  | 3.0  | 15.1 | 5.4  | 3.9  | 4.5  | 6.5  | 3.6  | 5.3  | 8.2 | 70.3  |
| Finance       | 11.5 | 6.6  | 6.3  | 3.1  | 3.5  | 4.2  | 7.5  | 5.4  | 7.2  | 4.6  | 4.4  | 2.7 | 67.0  |
| Insurance     | 4.1  | 2.3  | 1.7  | 2.2  | 2.6  | 5.6  | 0.5  | 1.4  | 3.9  | 2.1  | 4.0  | 3.6 | 33.9  |

Source: ING, Dealogic

## Fig 7 USD supply, redemptions and net supply by year (US\$bn)

| Corporates | YTD    | FY     | Reds  | Net   | Financials | YTD   | FY    | Reds  | Net    |
|------------|--------|--------|-------|-------|------------|-------|-------|-------|--------|
| 2012       | 442.6  | 600.9  | 250.0 | 350.8 | 2012       | 212.1 | 266.2 | 410.0 | -143.8 |
| 2013       | 446.0  | 557.8  | 256.4 | 301.4 | 2013       | 240.9 | 330.6 | 200.3 | 130.3  |
| 2014       | 398.6  | 549.2  | 254.3 | 294.9 | 2014       | 350.4 | 413.5 | 240.2 | 173.3  |
| 2015       | 567.5  | 708.6  | 257.5 | 451.1 | 2015       | 337.4 | 422.7 | 244.2 | 178.5  |
| 2016       | 584.8  | 697.1  | 294.1 | 403.0 | 2016       | 309.6 | 387.4 | 234.3 | 153.1  |
| 2017       | 587.3  | 742.4  | 354.9 | 387.5 | 2017       | 349.3 | 424.8 | 262.7 | 162.1  |
| 2018       | 553.9  | 652.9  | 384.9 | 267.9 | 2018       | 392.0 | 435.8 | 280.9 | 154.9  |
| 2019       | 574.4  | 701.3  | 429.8 | 271.5 | 2019       | 297.3 | 364.5 | 263.3 | 101.2  |
| 2020       | 1036.6 | 1164.4 | 451.3 | 713.1 | 2020       | 429.3 | 524.9 | 305.5 | 219.4  |
| 2021       | 583.8  | 722.9  | 480.1 | 242.8 | 2021       | 439.4 | 573.9 | 333.7 | 240.1  |
| 2022       | 442.6  | 554.8  | 483.0 | 71.8  | 2022       | 450.6 | 534.3 | 270.0 | 264.3  |
| 2023       | 545.7  | 545.7  | 526.1 |       | 2023       | 340.3 | 340.3 | 332.3 |        |
| 2024       |        |        | 468.7 |       | 2024       |       |       | 336.6 |        |
| 2025       |        |        | 545.6 |       | 2025       |       |       | 390.7 |        |

Source: ING, Dealogic

### Fig 8 Subordinated supply, 2022 and 2023 (US\$bn)

| 2022         | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total |
|--------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| AT1          | 3.5 | 0.0 | 0.0 | 3.0 | 0.0 | 2.7 | 1.3 | 6.9 | 0.1 | 0.0 | 2.5 | 0.0 | 19.9  |
| T2           | 2.9 | 0.2 | 2.2 | 2.0 | 0.2 | 2.2 | 1.0 | 0.2 | 3.7 | 2.0 | 1.1 | 0.0 | 17.7  |
| Bank Capital | 6.4 | 0.2 | 2.2 | 5.0 | 0.2 | 4.9 | 2.3 | 7.0 | 3.8 | 2.0 | 3.6 | 0.0 | 37.6  |
| 2023         | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Νον | Dec | Total |
| AT1          | 0.0 | 6.4 | 1.3 | 0.0 | 0.0 | 0.0 | 1.7 | 3.0 | 1.0 |     |     |     | 13.4  |
| T2           | 3.0 | 2.0 | 0.0 | 0.0 | 3.2 | 4.5 | 2.5 | 0.0 | 0.0 |     |     |     | 15.2  |
| Bank Capital | 3.0 | 8.4 | 1.3 | 0.0 | 3.2 | 4.5 | 4.2 | 3.0 | 1.0 |     |     |     | 28.6  |

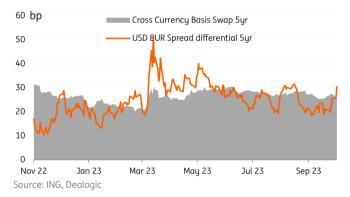
Source: ING, Dealogic

## Fig 9 Reverse Yankee supply, 2022 and 2023 (€bn)

| 2022      | Jan | Feb | Mar  | Apr | May  | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total |
|-----------|-----|-----|------|-----|------|-----|-----|-----|-----|-----|-----|-----|-------|
| Corporate | 2.3 | 2.6 | 6.4  | 0.6 | 2.3  | 2.5 | 1.5 | 1.6 | 4.3 | 3.7 | 5.3 | 0.4 | 33.2  |
| Financial | 0.5 | 3.0 | 3.8  | 4.5 | 7.0  | 0.1 | 0.0 | 0.5 | 3.7 | 3.3 | 2.3 | 0.1 | 28.6  |
| Total     | 2.8 | 5.6 | 10.1 | 5.0 | 9.3  | 2.6 | 1.5 | 2.1 | 7.9 | 6.9 | 7.5 | 0.5 | 61.8  |
| 2023      | Jan | Feb | Mar  | Apr | May  | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total |
| Corporate | 5.5 | 5.5 | 2.8  | 1.8 | 12.2 | 3.8 | 0.0 | 0.8 | 0.5 |     |     |     | 32.8  |
| Financial | 1.5 | 2.0 | 1.1  | 0.0 | 0.8  | 2.7 | 0.1 | 0.9 | 0.0 |     |     |     | 8.9   |
| Total     | 7.0 | 7.5 | 3.9  | 1.8 | 13.0 | 6.4 | 0.1 | 1.7 | 0.5 |     |     |     | 41.7  |

Source: ING, Dealogic

## Fig 10 XCCY 5yr

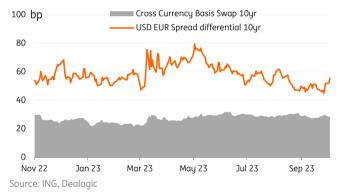


#### Fig 12 US, Yankee and Reverse Yankee supply (US\$bn)

| Corporates | Domestic | Yankee | Rev Yankee (€) | Financials | Domestic | Yankee | Rev Yankee (€) |
|------------|----------|--------|----------------|------------|----------|--------|----------------|
| 2012       | 480.8    | 141.2  | 16.8           | 2012       | 206.6    | 59.6   | 7.6            |
| 2013       | 464.5    | 113.7  | 32.2           | 2013       | 254.2    | 78.1   | 14.4           |
| 2014       | 469.2    | 110.5  | 42.7           | 2014       | 290.8    | 126.1  | 32.4           |
| 2015       | 609.9    | 108.7  | 61.8           | 2015       | 303.2    | 128.0  | 28.7           |
| 2016       | 588.7    | 113.9  | 66.2           | 2016       | 273.8    | 114.9  | 45.5           |
| 2017       | 654.2    | 101.9  | 65.4           | 2017       | 312.2    | 113.5  | 35.8           |
| 2018       | 525.7    | 129.5  | 31.1           | 2018       | 304.0    | 133.0  | 17.7           |
| 2019       | 611.2    | 95.1   | 98.9           | 2019       | 269.9    | 95.8   | 28.3           |
| 2020       | 1030.1   | 148.7  | 68.4           | 2020       | 402.0    | 124.9  | 24.2           |
| 2021       | 627.3    | 98.9   | 58.9           | 2021       | 410.2    | 168.1  | 40.5           |
| 2022       | 483.6    | 82.2   | 33.2           | 2022       | 388.8    | 147.5  | 28.6           |
| 2023       | 478.2    | 82.3   | 32.8           | 2023       | 225.4    | 116.8  | 8.9            |

Source: ING

### Fig 11 XCCY 10yr



# Fig 13 ESG supply per month 2023 (US\$bn)

| Corporate   | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total |
|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| Green       | 0.0 | 2.6 | 1.5 | 0.4 | 4.8 | 0.0 | 0.0 | 1.4 | 1.4 |     |     |     | 11.9  |
| Social      | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |     |     |     | 0.1   |
| Sustainable | 0.0 | 0.0 | 0.8 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |     |     |     | 1.3   |
| ESG         | 0.0 | 2.6 | 2.3 | 0.9 | 4.8 | 0.1 | 0.0 | 1.4 | 1.4 |     |     |     | 13.3  |
| Financial   | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total |
| Green       | 1.3 | 0.0 | 0.0 | 0.0 | 1.2 | 0.1 | 0.0 | 0.0 | 1.4 |     |     |     | 3.9   |
| Social      | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |     |     |     | 0.0   |
| Sustainable | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |     |     |     | 0.0   |
| ESG         | 1.3 | 0.0 | 0.0 | 0.0 | 1.2 | 0.1 | 0.0 | 0.0 | 1.4 |     |     |     | 3.9   |

Source: ING, Dealogic

## Fig 14 ESG supply per year and YTD (US\$bn)

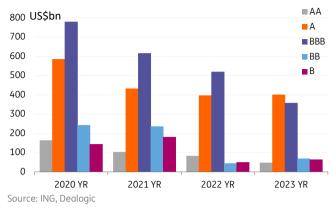
| Corporate   | 2019               | 2020               | 2021               | 2022               | 2023               | 2019 YTD        | 2020 YTD        | 2021 YTD        | 2022 YTD               | 2023 YTD               |
|-------------|--------------------|--------------------|--------------------|--------------------|--------------------|-----------------|-----------------|-----------------|------------------------|------------------------|
| Green       | 14.4               | 18.5               | 30.5               | 24.4               | 11.9               | 11.2            | 15.6            | 25.6            | 21.0                   | 11.9                   |
| Social      | 0.0                | 1.5                | 0.6                | 0.2                | 0.1                | 0.0             | 1.5             | 0.6             | 0.1                    | 0.1                    |
| Sustainable | 1.0                | 7.5                | 9.6                | 4.9                | 1.3                | 1.0             | 7.5             | 6.3             | 4.9                    | 1.3                    |
| ESG         | 15.4               | 27.5               | 40.7               | 29.4               | 13.3               | 12.2            | 24.6            | 32.5            | 25.9                   | 13.3                   |
|             |                    |                    |                    |                    |                    |                 |                 |                 |                        |                        |
| Financial   | 2019               | 2020               | 2021               | 2022               | 2023               | 2019 YTD        | 2020 YTD        | 2021 YTD        | 2022 YTD               | 2023 YTD               |
| Green       | <b>2019</b><br>5.0 | <b>2020</b><br>7.1 | <b>2021</b><br>9.7 | <b>2022</b><br>4.7 | <b>2023</b><br>3.9 | 2019 YTD<br>2.4 | 2020 YTD<br>7.1 | 2021 YTD<br>7.4 | <b>2022 YTD</b><br>3.6 | <b>2023 YTD</b><br>3.9 |
|             |                    |                    |                    |                    |                    |                 |                 | ·               |                        |                        |
| Green       | 5.0                | 7.1                | 9.7                | 4.7                | 3.9                | 2.4             | 7.1             | 7.4             | 3.6                    | 3.9                    |

Source: ING, Dealogic

# Fig 15 Investment grade issuance by maturity, 2022 and 2023 (US\$bn)

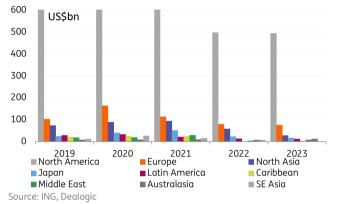
| 5            |      |      |      |      |      | •    | • •  |      |      |      |      |     |       |
|--------------|------|------|------|------|------|------|------|------|------|------|------|-----|-------|
| 2022         | Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sep  | Oct  | Nov  | Dec | 2022  |
| Corp 0-3yr   | 6.0  | 4.5  | 18.1 | 7.5  | 7.0  | 6.8  | 5.5  | 3.3  | 7.6  | 8.2  | 13.5 | 0.5 | 88.4  |
| Corp 3-6yr   | 5.5  | 4.2  | 18.0 | 6.0  | 6.8  | 7.7  | 5.0  | 7.7  | 7.1  | 6.7  | 14.3 | 1.9 | 90.8  |
| Corp 6-9yr   | 0.2  | 1.2  | 10.3 | 6.8  | 2.3  | 1.4  | 2.0  | 4.1  | 0.9  | 2.9  | 7.6  | 0.0 | 39.7  |
| Corp 9-12yr  | 10.9 | 15.5 | 35.0 | 12.4 | 12.6 | 9.3  | 8.6  | 19.4 | 15.4 | 13.9 | 18.4 | 2.2 | 173.6 |
| Corp 12-17yr | 1.3  | 1.4  | 1.1  | 0.8  | 0.9  | 0.1  | 0.3  | 0.3  | 0.1  | 0.4  | 0.4  | 0.1 | 7.3   |
| Corp 17yrs+  | 5.6  | 19.0 | 43.2 | 11.4 | 14.5 | 7.8  | 3.7  | 16.9 | 11.9 | 9.0  | 10.7 | 1.4 | 155.0 |
| Fin 0-3yr    | 17.9 | 3.0  | 12.5 | 13.4 | 15.1 | 8.5  | 3.8  | 13.3 | 2.3  | 6.7  | 6.7  | 4.6 | 108.0 |
| Fin 3-6yr    | 13.9 | 7.1  | 21.1 | 9.1  | 6.8  | 4.5  | 12.5 | 14.6 | 8.6  | 11.7 | 7.7  | 0.9 | 118.3 |
| Fin 6-9yr    | 14.8 | 10.2 | 16.4 | 9.9  | 8.6  | 5.0  | 13.8 | 10.5 | 0.8  | 8.1  | 5.6  | 0.2 | 103.9 |
| Fin 9-12yr   | 24.9 | 10.5 | 15.8 | 7.8  | 10.7 | 3.5  | 20.5 | 12.9 | 4.5  | 15.6 | 8.6  | 0.0 | 135.2 |
| Fin 12-17yr  | 1.0  | 0.1  | 2.5  | 2.0  | 0.9  | 0.0  | 0.0  | 0.2  | 0.1  | 0.0  | 0.0  | 0.0 | 6.9   |
| Fin 17yrs+   | 12.4 | 2.8  | 9.1  | 8.1  | 5.1  | 3.5  | 2.1  | 10.2 | 1.5  | 1.3  | 5.2  | 0.7 | 62.1  |
| 2023         | Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sep  | Oct  | Nov  | Dec | YTD   |
| Corp 0-3yr   | 9.5  | 18.5 | 12.4 | 3.5  | 12.5 | 2.0  | 4.1  | 4.8  | 6.0  |      |      |     | 73.2  |
| Corp 3-6yr   | 10.2 | 19.7 | 12.1 | 8.3  | 28.1 | 7.4  | 9.9  | 10.0 | 11.8 |      |      |     | 117.5 |
| Corp 6-9yr   | 2.3  | 10.6 | 3.3  | 3.8  | 6.8  | 1.6  | 1.7  | 2.6  | 2.5  |      |      |     | 35.3  |
| Corp 9-12yr  | 16.9 | 43.3 | 20.1 | 11.6 | 37.0 | 13.7 | 8.8  | 12.3 | 18.3 |      |      |     | 181.8 |
| Corp 12-17yr | 0.7  | 2.2  | 0.5  | 0.8  | 0.4  | 1.7  | 0.6  | 0.1  | 0.1  |      |      |     | 7.1   |
| Corp 17yrs+  | 8.3  | 34.8 | 19.6 | 2.8  | 39.6 | 7.2  | 4.4  | 6.6  | 7.4  |      |      |     | 130.8 |
| Fin 0-3yr    | 9.6  | 3.8  | 3.9  | 4.1  | 3.9  | 5.9  | 8.0  | 16.6 | 7.7  |      |      |     | 55.6  |
| Fin 3-6yr    | 20.5 | 2.9  | 3.1  | 5.7  | 4.6  | 7.8  | 13.9 | 3.6  | 16.7 |      |      |     | 62.1  |
| Fin 6-9yr    | 17.0 | 2.3  | 4.1  | 3.9  | 1.7  | 9.5  | 8.5  | 1.4  | 9.1  |      |      |     | 48.4  |
| Fin 9-12yr   | 15.8 | 6.5  | 7.9  | 15.3 | 13.3 | 14.2 | 12.8 | 3.3  | 12.0 |      |      |     | 89.1  |
| Fin 12-17yr  | 2.0  | 0.0  | 0.4  | 0.1  | 0.0  | 1.0  | 0.2  | 0.0  | 0.0  |      |      |     | 3.7   |
| 111112 1/91  | 2.0  |      |      |      |      |      |      |      |      |      |      |     |       |

Source: ING, Dealogic

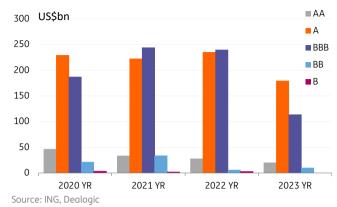


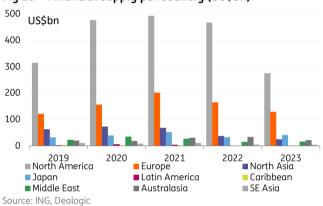
## Fig 16 Corporate supply per S&P rating (US\$bn)

## Fig 18 Corporate supply per country (US\$bn)



## Fig 17 Financial supply per S&P rating (US\$bn)





### Fig 19 Financial supply per country (US\$bn)

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