

# EUREX

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Monthly Clearing Volumes

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| Derivatives                  | Notional Volume in EUR (in billions) - single counted |              |               |               |              |               |               |              |              |               |              |     | Traded Contracts (in thousands) - single counted |                |                |                |                |                |                |                |                |                |                |     |     |
|------------------------------|---|--------------|---------------|---------------|--------------|---------------|---------------|--------------|--------------|---------------|--------------|-----|--|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----|-----|
|                              | YTD   | Jan          | Feb           | Mar           | Apr          | May           | Jun           | Jul          | Aug          | Sep           | Oct          | Nov | Dec  | YTD            | Jan            | Feb            | Mar            | Apr            | May            | Jun            | Jul            | Aug            | Sep            | Oct | Nov |
| Equity Index Derivatives     | 30,869  | 2,965        | 3,161         | 4,526         | 2,250        | 2,853         | 3,660         | 2,295        | 2,424        | 4,025         | 2,710        |     | 775,913  | 62,623         | 75,202         | 124,409        | 56,362         | 69,398         | 96,921         | 58,879         | 57,007         | 106,888        | 68,223         |     |     |
| Interest Rate Derivatives    | 83,728  | 6,787        | 9,441         | 11,625        | 6,762        | 8,120         | 10,650        | 6,688        | 6,552        | 10,525        | 6,577        |     | 619,877  | 45,206         | 65,603         | 81,224         | 49,159         | 60,050         | 81,992         | 50,330         | 49,463         | 83,702         | 53,148         |     |     |
| Equity Derivatives           | 892   | 112          | 99            | 129           | 101          | 91            | 112           | 50           | 56           | 83            | 58           |     | 223,928  | 21,444         | 20,990         | 35,494         | 28,002         | 23,814         | 28,476         | 15,787         | 14,804         | 19,978         | 15,140         |     |     |
| Dividend Derivatives         | 107   | 11           | 15            | 18            | 7            | 11            | 9             | 11           | 6            | 10            | 9            |     | 17,680   | 1,776          | 1,970          | 2,892          | 1,924          | 1,778          | 1,511          | 1,716          | 1,091          | 1,668          | 1,355          |     |     |
| Volatility Index Derivatives | 48  | 6            | 7             | 6             | 4            | 4             | 5             | 4            | 3            | 5             | 4            |     | 15,681   | 2,155          | 2,314          | 1,784          | 1,203          | 1,309          | 1,582          | 1,390          | 1,114          | 1,543          | 1,286          |     |     |
| ETF & ETC Derivatives        | 6   | 1            | 1             | 1             | 1            | 0             | 1             | 1            | 0            | 1             | 0            |     | 1,211  | 141            | 259            | 132            | 65             | 60             | 135            | 116            | 28             | 187            | 88             |     |     |
| Commodity Derivatives        | 1   | 0            | 0             | 0             | 0            | 0             | 0             | 0            | 0            | 0             | 0            |     | 14   | 1              | 0              | 3              | 0              | 0              | 3              | 0              | 1              | 4              | 1              |     |     |
| Foreign Exchange Derivatives | 71  | 1            | 3             | 19            | 2            | 3             | 18            | 2            | 1            | 18            | 3            |     | 1,292  | 53             | 70             | 251            | 66             | 86             | 240            | 82             | 82             | 249            | 112            |     |     |
| <b>Sum</b>                   | <b>115,722</b>  | <b>9,882</b> | <b>12,726</b> | <b>16,325</b> | <b>9,127</b> | <b>11,082</b> | <b>14,454</b> | <b>9,052</b> | <b>9,043</b> | <b>14,667</b> | <b>9,361</b> |     | <b>1,655,596</b>                                 | <b>133,399</b> | <b>166,408</b> | <b>246,188</b> | <b>136,782</b> | <b>156,496</b> | <b>210,860</b> | <b>128,301</b> | <b>123,590</b> | <b>214,218</b> | <b>139,353</b> |     |     |

| Derivatives                  | Number of Trade Transactions (in thousands) - single counted |               |               |               |               |               |               |               |               |               |               |     |
|------------------------------|--|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|-----|
|                              | YTD  | Jan           | Feb           | Mar           | Apr           | May           | Jun           | Jul           | Aug           | Sep           | Oct           | Nov |
| Equity Index Derivatives     | 89,994   | 9,059         | 10,311        | 13,551        | 6,773         | 8,303         | 8,649         | 7,447         | 7,031         | 10,010        | 8,861         |     |
| Interest Rate Derivatives    | 99,398   | 5,791         | 8,589         | 11,153        | 8,274         | 9,453         | 12,362        | 10,339        | 8,666         | 13,311        | 11,460        |     |
| Equity Derivatives           | 2,251  | 250           | 239           | 280           | 178           | 227           | 225           | 194           | 220           | 224           | 214           |     |
| Dividend Derivatives         | 203  | 17            | 20            | 31            | 13            | 20            | 20            | 23            | 17            | 25            | 18            |     |
| Volatility Index Derivatives | 2,737  | 353           | 362           | 370           | 223           | 241           | 246           | 251           | 219           | 262           | 209           |     |
| ETF & ETC Derivatives        | 19   | 2             | 2             | 3             | 2             | 3             | 2             | 1             | 1             | 2             | 2             |     |
| Commodity Derivatives        | 0  | 0             | 0             | 0             | 0             | 0             | 0             | 0             | 0             | 0             | 0             |     |
| Foreign Exchange Derivatives | 136  | 7             | 7             | 13            | 10            | 12            | 11            | 16            | 16            | 21            | 23            |     |
| <b>Sum</b>                   | <b>194,739</b>   | <b>15,480</b> | <b>19,529</b> | <b>25,401</b> | <b>15,472</b> | <b>18,259</b> | <b>21,514</b> | <b>18,271</b> | <b>16,170</b> | <b>23,856</b> | <b>20,787</b> |     |

| OTC Derivatives                  | Notional Volume in EUR (in billions) - double counted |       |       |       |       |       |       |       |       |       |       |     | Cleared Trades - double counted |        |        |        |        |        |        |        |        |        |        |     |     |
|----------------------------------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|---------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----|-----|
|                                  | YTD   | Jan   | Feb   | Mar   | Apr   | May   | Jun   | Jul   | Aug   | Sep   | Oct   | Nov | Dec                             | YTD    | Jan    | Feb    | Mar    | Apr    | May    | Jun    | Jul    | Aug    | Sep    | Oct | Nov |
| Interest Rate Derivatives (IRD)* | 37,095  | 5,802 | 2,889 | 3,769 | 4,427 | 3,324 | 2,788 | 3,291 | 3,557 | 3,391 | 3,857 |     | 210,738                         | 25,108 | 19,064 | 23,090 | 22,758 | 22,224 | 18,268 | 17,968 | 19,052 | 21,052 | 22,154 |     |     |
| IRD Compression - New Vol        | 7,587   | 0     | 0     | 0     | 2,049 | 2,616 | 0     | 2,922 | 0     | 0     | 0     |     | 33,339                          | 0      | 0      | 0      | 9,184  | 12,260 | 0      | 11,895 | 0      | 0      | 0      |     |     |

\*Excluding volume generated by OTC post trade events



| Securities | Notional Volume in EUR (in billions) - single counted; Xetra and FWB |     |     |     |     |     |     |     |     |     |     |     |     | Cleared Trades (in thousands) |        |        |        |        |        |        |        |        |        |        |     |     |
|------------|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----|-----|
|            | YTD  | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | YTD                           | Jan    | Feb    | Mar    | Apr    | May    | Jun    | Jul    | Aug    | Sep    | Oct    | Nov | Dec |
| Equities   | 1,339  | 153 | 170 | 214 | 128 | 139 | 125 | 103 | 98  | 112 | 97  |     |     | 131,696                       | 14,591 | 16,447 | 21,523 | 12,480 | 13,257 | 11,509 | 10,669 | 10,006 | 11,122 | 10,091 |     |     |
| Bonds      | 0  | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |     |     | 4                             | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |     |     |
| Sum        | 1,339  | 153 | 170 | 214 | 128 | 139 | 125 | 103 | 98  | 112 | 97  |     |     | 131,699                       | 14,592 | 16,447 | 21,524 | 12,480 | 13,257 | 11,510 | 10,670 | 10,006 | 11,123 | 10,091 |     |     |



| Repo | Average daily amounts outstanding in EUR (in billions) - double counted |     |     |     |     |     |     |     |     |     |     |     |
|------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|      | Repo including GC, GC Pooling, GC Select and Specials                   |     |     |     |     |     |     |     |     |     |     |     |
|      | Jan   | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
| Repo | 234   | 243 | 251 | 259 | 282 | 290 | 280 | 268 | 317 | 306 |     |     |
| Sum  | 234   | 243 | 251 | 259 | 282 | 290 | 280 | 268 | 317 | 306 |     |     |