

FOREIGN EXCHANGE

| SPOT | LAST MID PRICE | Price change 1 day percent | SPOT | LAST MID PRICE | Price change 1 day percent | FIXING 30-12-2022 | Euro change year to date(YTD%) | |
|--------|----------------|----------------------------|--------|----------------|----------------------------|-------------------|--------------------------------|--------|
| EURUSD | 1,074 | 0,15 | USDJPY | 132,06 | 0,57 | EURUSD | 1,071 | 0,25% |
| EURGBP | 0,8765 | 101,27 | USDGBP | 0,81635 | 0,23 | EURGBP | 0,885 | -0,97% |
| EURJPY | 141,79 | 0,70 | USDCHF | 0,9288 | -0,04 | EURJPY | 140,42 | 0,98% |
| EURCHF | 0,997 | 0,08 | | | | EURCHF | 0,99 | 0,73% |

MONEY MARKET RATES/EURIBOR -LIBOR

| CENTRAL BANKS RATES | | | 1 Month | 2 Month | 3 Month | 6 Month | 9 Month | 1 year |
|---------------------|---------------|-----|---------|---------|---------|---------|---------|--------|
| EUROZONE | 3,50 | EUR | 2,648 | -0,336 | 2,750 | 3,055 | -0,194 | 3,380 |
| USA | (4,50 / 4,75) | USD | 4,778 | 0,153 | 4,998 | 5,052 | | 5,034 |
| JAPAN | - 0,10 | JPY | -0,060 | -0,053 | -0,026 | 0,072 | | |
| BANK OF ENGLAND | 4,00 | GBP | 4,077 | 0,229 | 4,240 | 4,474 | | |
| SWITZERLAND | 1,00 | CHF | -0,775 | -0,773 | -0,753 | -0,703 | | |

CAPITAL MARKETS

| | 2YEAR | 5 YEAR | 10 YEAR | 15 YEAR | 20 YEAR | 30 YEAR |
|-----------------|--------|--------|---------|---------|---------|---------|
| U.S TREASURY | 4,001 | 3,601 | 3,485 | | | 3,664 |
| GREEK TREASURY | | 3,654 | 4,121 | 4,282 | 4,298 | |
| GERMAN TREASURY | 2,462 | 2,171 | 2,175 | 2,320 | 2,314 | 2,240 |
| JAPANESE TREAS | -0,069 | 0,064 | 0,250 | 0,743 | 1,001 | 1,245 |
| U.K TREASURY | 3,250 | 3,195 | 3,338 | 3,698 | 3,792 | 3,844 |
| ESM TREASURY | 2,841 | 2,795 | 2,858 | 3,103 | 3,195 | 3,028 |

INTEREST RATES SWAPS

| | 1 YEAR | 3 YEAR | 5 YEAR | 7 YEAR | 10 YEAR | 15 YEAR | 20 YEAR | 30 YEAR |
|----------|--------|--------|--------|--------|---------|---------|---------|---------|
| EUR SWAP | 3,290 | 3,069 | 2,936 | 2,877 | 2,870 | 2,864 | 2,697 | 2,321 |
| USD SWAP | 4,834 | 4,003 | 3,709 | 3,582 | 3,521 | 3,517 | 3,451 | 3,223 |

HELLENIC REPUBLIC BENCHMARKS BONDS

HELLENIC REPUBLIC T-BILLS

| GREEK BONDS | MATURITY | Tenor | LAST MID PRICE | MID YIELD | YIELD CHANGE 1 DAY in b.p | YIELD CHANGE YEAR TO DATE(YTD in b.p) | Tenor | LAST MID PRICE | MID YIELD |
|-------------|----------|-------|----------------|-----------|---------------------------|---------------------------------------|-------|----------------|-----------|
| GGB 3,375% | 02/25 | 2Y | 100,39 | 3,16 | -3 | -29 | 3M | 99,68 | 2,66 |
| GGB 0,0% | 02/26 | 3Y | 90,98 | 3,32 | 0 | -49 | | | |
| GGB 3,75% | 01/28 | 5Y | 100,63 | 3,60 | 0 | -12 | 6M | 98,72 | 3,02 |
| GGB 1,50% | 06/30 | 7Y | 84,61 | 3,99 | 1 | -59 | | | |
| GGB 4,25% | 06/33 | 10Y | 101,27 | 4,10 | 1 | -46 | | | |
| GGB 1,875% | 02/35 | 12Y | 78,97 | 4,15 | 1 | -63 | 12M | 97,02 | 3,15 |
| GGB 4% | 01/37 | 14Y | 97,69 | 4,22 | -3 | -41 | | | |
| GGB 4,20% | 01/42 | 19Y | 99,29 | 4,25 | 1 | 6 | | | |
| GGB 1,875% | 01/52 | 29Y | 61,67 | 4,19 | 1 | -28 | | | |

GREEK BONDS SPREAD(in bp) VS

| MATURITY | GERMANY | GREECE VS GERMANY SPREAD CHANGE YEAR TO DATE(YTD in b.p) | SPAIN | PORTUGAL | ITALY | FRANCE |
|----------|---------|--|-------|----------|-------|--------|
| 5Y | 148 | 36 | 83 | 104 | 21 | 112 |
| 10Y | 195 | -10 | 91 | 109 | 13 | 143 |
| 15Y | 196 | -21 | 78 | 92 | 7 | 127 |

GREECE SOVEREIGN YIELD CURVE

| MATURITY | 3M | 6M | 1Y | 3Y | 5Y | 7Y | 10Y | 15Y | 20Y | 30Y |
|----------|------|------|------|------|------|------|------|------|------|------|
| YIELD | 2,66 | 3,02 | 3,15 | 3,32 | 3,60 | 3,99 | 4,10 | 4,22 | 4,25 | 4,19 |

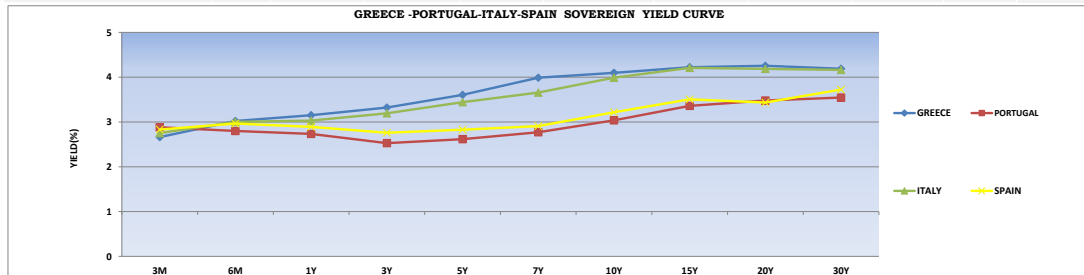
STOCK MARKETS-BOND FUTURES

STOCK MARKETS

BOND FUTURES

| | Last Price | Price change 1 day percent | closing price 30-12-2022 | %change year to date(YTD%) | bond futures | PRICE |
|----------------------|------------|----------------------------|--------------------------|----------------------------|--------------|---------|
| ATHENS GENERAL INDEX | 1.027 | 0,71 | 930 | 10,51% | | |
| DOW JONES | 32.245 | 1,20 | 33.147 | -2,72% | BUND | 137,07 |
| S&P 500 | 3.952 | 0,89 | 3.840 | 2,92% | BOBL | 118,67 |
| NASDAQ | 11.676 | 0,39 | 10.466 | 11,56% | SCHATZ | 106,135 |
| DAX | 15.128 | 1,30 | 13.924 | 8,65% | | |
| FTSE | 7.484 | 1,09 | 7.452 | 0,43% | US LONG BOND | 131,31 |
| NIKKEI | 26.946 | -1,42 | 26.095 | 3,26% | US 10Y | 114,92 |
| BRENT | 74,16 | 0,50 | 85,91 | -13,68% | US 5Y | 109,55 |
| GOLD \$ | 1.968 | -0,56 | 1.824 | 7,88% | US 2Y | 103,45 |

GREECE -PORTUGAL-ITALY-SPAIN SOVEREIGN YIELD CURVE



(source Bloomberg)