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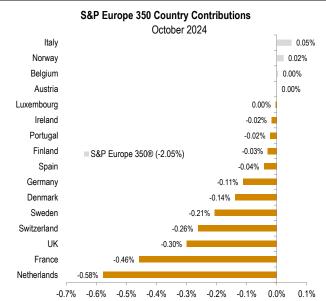
INDEX	1M	QTD	YTD
Europe Equity			
S&P Europe 350®*	-2.05%	-2.05%	10.18%
S&P United Kingdom (GBP)*	-0.81%	-0.81%	9.24%
S&P Euro (350 Eurozone)*	-2.33%	-2.33%	10.12%
S&P Europe Ex-UK LargeMidCap*	-2.31%	-2.31%	9.54%
S&P Europe MidCap*	-2.99%	-2.99%	9.57%
S&P Europe SmallCap*	-2.85%	-2.85%	6.65%
S&P Europe 350 Sectors			
S&P Europe 350 Communication Services*	0.70%	0.70%	17.76%
S&P Europe 350 Energy*	0.31%	0.31%	-3.28%
S&P Europe 350 Financials*	0.09%	0.09%	23.04%
S&P Europe 350 Industrials*	-0.39%	-0.39%	14.13%
S&P Europe 350 Health Care*	-2.55%	-2.55%	12.69%
S&P Europe 350 Utilities*	-2.89%	-2.89%	6.83%
S&P Europe 350 Consumer Discretionary*	-3.30%	-3.30%	3.35%
S&P Europe 350 Consumer Staples*	-3.86%	-3.86%	0.78%
S&P Europe 350 Information Technology*	-5.02%	-5.02%	6.28%
S&P Europe 350 Materials*	-5.47%	-5.47%	3.47%
S&P Europe 350 Real Estate*	-5.56%	-5.56%	6.26%
European Equity Strategy			
S&P Europe 350 Momentum*	0.97%	0.97%	19.80%
S&P Europe 350 Enhanced Value*	-0.75%	-0.75%	8.20%
S&P Europe 350 Buyback*	-0.81%	-0.81%	8.23%
S&P Europe 350 Low Volatility*	-1.31%	-1.31%	11.75%
S&P Europe Dividend Opportunities*	-1.38%	-1.38%	5.30%
S&P Europe 350 Quality*	-1.63%	-1.63%	13.47%
S&P Euro High Yield Dividend Aristocrats*	-2.26%	-2.26%	12.50%
S&P Europe 350 Equal Weight*	-2.28%	-2.28%	9.06%
S&P Europe 350 Dividend Aristocrats®*	-2.31%	-2.31%	8.82%
S&P Europe 350 Risk Control 15%*	-3.04%	-3.04%	9.80%
European Equity ESG			
S&P Europe 350 ESG*	-2.10%	-2.10%	8.78%
S&P Europe 350 Carbon Efficient*	-2.15%	-2.15%	10.31%
S&P Eurozone LargeMidCap Net Zero 2050 Climate Transition ESG*	-2.80%	-2.80%	10.50%
S&P Europe 350 Fossil Fuel Free*	-2.16%	-2.16%	10.88%
DJ Sustainability™ Europe Developed Diversified Select*	0.00%	0.45%	9.26%
S&P Eurozone LargeMidCap Net Zero 2050 Paris-Aligned ESG*	-2.09%	-2.09%	13.74%
DJ Sustainability™ Eurozone Ex+*	-2.31%	-2.31%	11.08%

INDEX		1M	QTD	YTD
Global Equity (USD)				
Dow Jones Industrial Average®*		-0.36%	-0.36%	13.52%
S&P Global 1200*		-0.45%	-0.45%	19.10%
S&P 500®*		0.96%	0.96%	23.26%
S&P Developed BMI*		-0.59%	-0.59%	17.26%
S&P Emerging BMI*		-3.55%	-3.55%	15.21%
Europe Fixed Income	Yield			
S&P Eurozone IG Corporate Bond*	3.26%	-0.14%	-0.14%	3.50%
S&P Eurozone 7-10 Year IG Corporate Bond*	3.54%	-0.54%	-0.54%	3.38%
S&P Spain Sovereign Bond*	2.89%	-0.60%	-0.60%	2.45%
S&P Italy Sovereign Bond*	3.20%	-0.64%	-0.64%	3.85%
S&P Switzerland Sovereign Bond*	0.45%	-0.64%	-0.64%	2.60%
S&P Eurozone Sovereign Inflation-Linked Bond*	1.39%	-0.77%	-0.77%	0.33%
S&P France Sovereign Bond*	2.90%	-0.80%	-0.80%	-0.86%
S&P Eurozone Sovereign Bond*	2.84%	-0.83%	-0.83%	1.22%
S&P Greece Sovereign Bond*	3.11%	-0.86%	-0.86%	2.12%
S&P Germany Sovereign Bond*	2.36%	-1.21%	-1.21%	0.08%
S&P U.K. Inflation-Linked Bond (GBP)*	1.05%	-1.77%	-1.77%	-3.98%
S&P U.K. Bond (GBP)*	4.44%	-2.12%	-2.12%	-2.77%
iBoxx Benchmark & Liquid Indices				
iBoxx EUR Liquid High Yield*	5.79%	0.72%	0.72%	5.59%
iBoxx EUR Corporates*	3.41%	-0.17%	-0.17%	3.54%
iBoxx GBP Corporates*	5.59%	-0.51%	-0.51%	1.80%
iBoxx GBP Non-Gilts*	5.44%	-0.67%	-0.67%	1.53%
ESG Fixed Income				
S&P Green Bond*		-0.32%	-0.32%	2.62%
S&P Green Bond Select*		-0.51%	-0.51%	2.37%
Volatility	Level	Net Change in Index pts.		
CBOE Volatility Index / VIX®* (20.35)	20.35	3.62	3.62	7.90
CBOE S&P 500 Dispersion Index* (32.68)	32.68	1.54	1.54	8.60
Vstoxx® Index	23.60	3.46	3.46	8.58
European Credit Spreads	Spread			
iTraxx Europe*	57.42	-1.46	-1.46	-0.69
iTraxx Crossover*	308.47	-3.00	-3.00	-1.41
iTraxx Sr Financial*	64.09	-3.05	-3.05	-2.95
Commodities				
S&P GSCI*		0.29%	0.29%	5.54%
Dow Jones Commodity Index (DJCI)*		-1.42%	-1.42%	6.01%

SUMMARY

- The S&P Europe 350 dropped 2.1% in October; mid and small caps fared even worse, with the S&P Europe MidCap and the S&P Europe Small Cap down 3.0% and 2.9%, respectively.
- Just four of 16 countries contributed positively to the pan-European equity returns this
 month. The Netherlands was the biggest detractor, subtracting 0.6% from the S&P
 Europe 350 in October.
- Communication Services was the best-performing S&P Europe 350 sector in October, up 0.7%. Real Estate lagged, plunging 5.6%.
- All but one of our reported European factors declined in October. S&P Europe 350 Momentum jumped 1.0%, while Risk Control 15% shed 3.0%.
- All but one of our reported European fixed income indices closed the month in the red, with the iBoxx EUR Liquid High Yield Index the sole exception, up 0.7%.
- Vstoxx finished the month at 24, up 3 points vs. its level at the end of September.

iBoxx Monthly Update:



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