

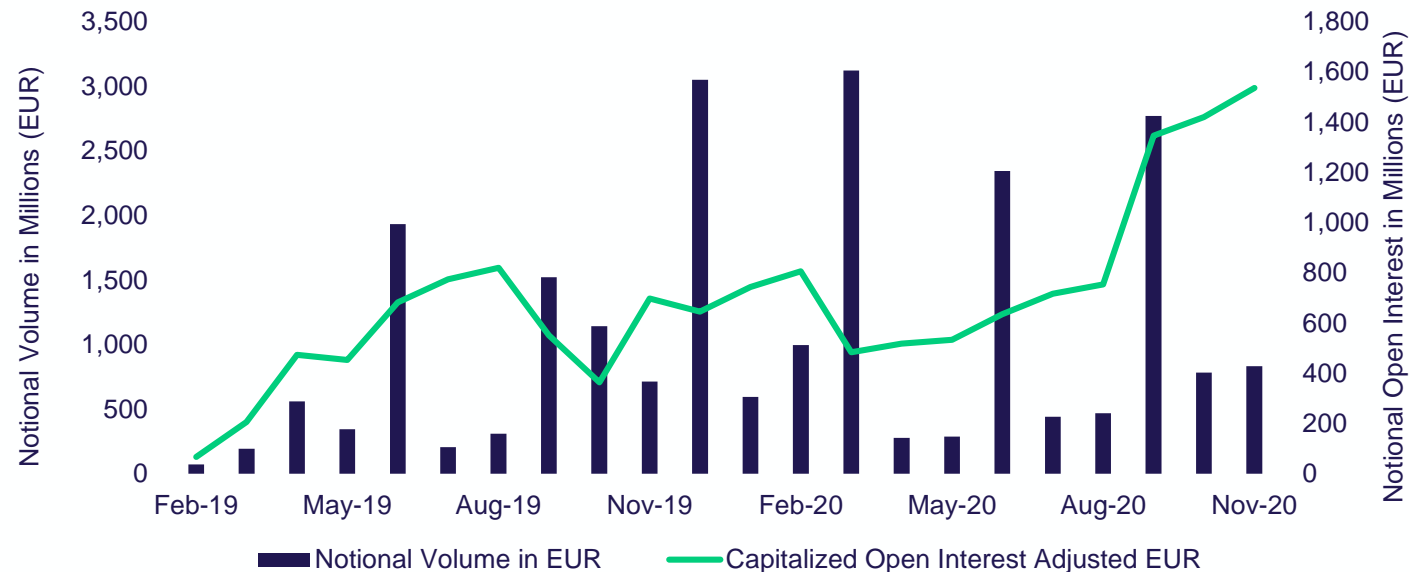
Derivatives on MSCI ESG Screened Indexes

November 2020

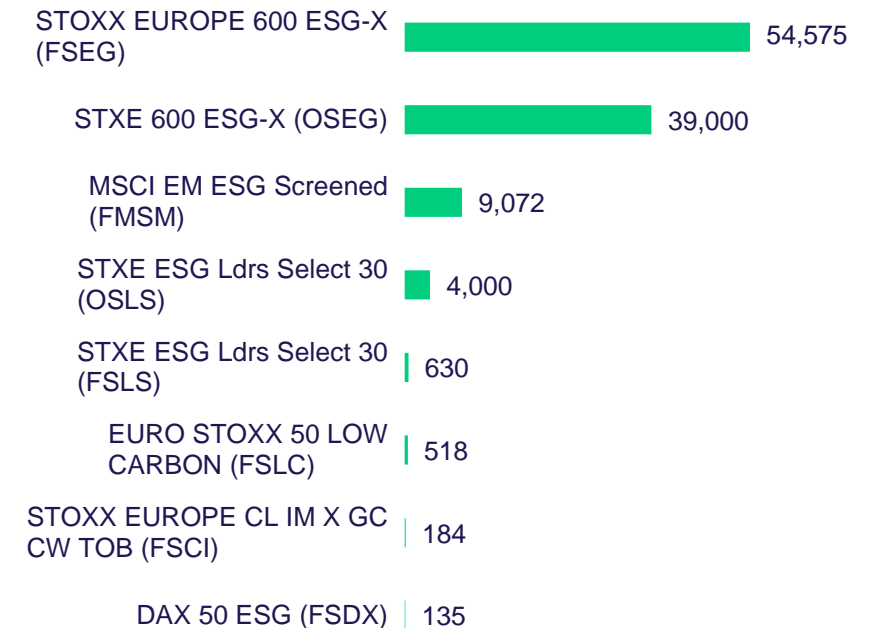
Eurex ESG Derivatives are leading the way by getting more traction from the buy-side

ESG Screened versions have gained more momentum thus far

Evolution of Notional Volume and Notional Open Interest



Open Interest for Eurex ESG Derivatives



Open Interest Adjusted as of Nov 30, 2020

Eurex is	#1	by Open Interest in ESG Benchmark Derivatives Products	Traded volume YTD 2020:	985,122 contracts ~ EUR 12.9 Billion
	#1	by Volume in ESG Benchmark Derivatives Products	Open Interest in end Nov 2020:	108,114 contracts ~ EUR 1.5 Billion

Eurex has strengthened its ESG offering by launching Derivatives on MSCI ESG Screened Indexes

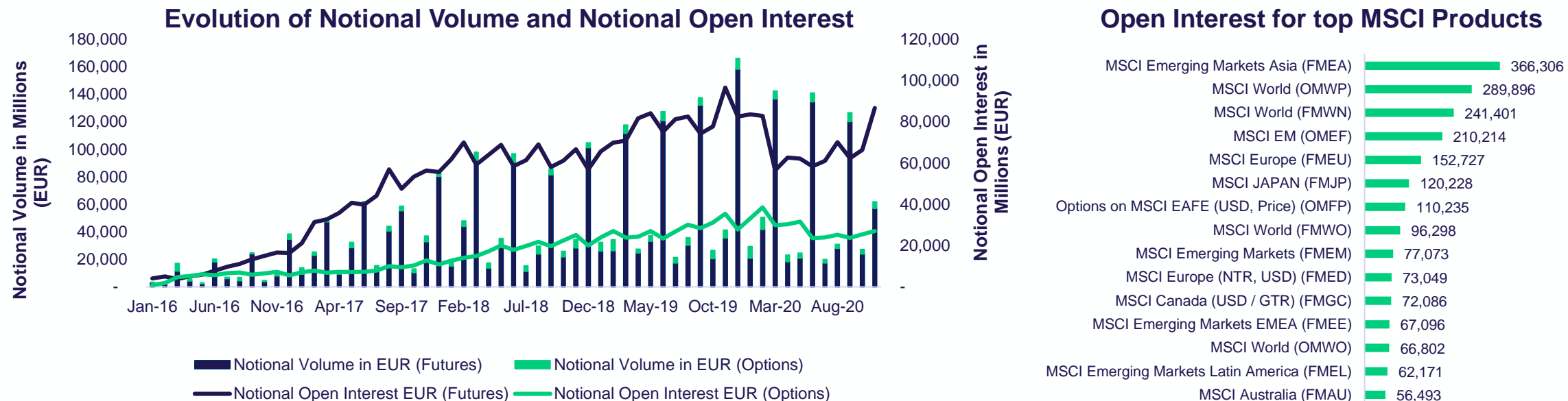
MSCI ESG Screened Futures Products were launched on March 2, 2020



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MSCI ESG derivatives complement Eurex's MSCI Derivatives flows

Eurex MSCI Derivatives are becoming an increasingly popular product



Eurex is	#1	by Open Interest in MSCI Products (46% market share)*	Traded volume YTD 2020:	17,798,022 contracts	YoY Growth in MSCI Futures 2019 – 2020:	9.05%
	#3	by Volume in MSCI Products (24% market share)*	Open Interest in end Nov 2020:	2.6 million contracts ~ EUR 113 billion	YoY Growth in MSCI Options 2019 – 2020:	0.94%

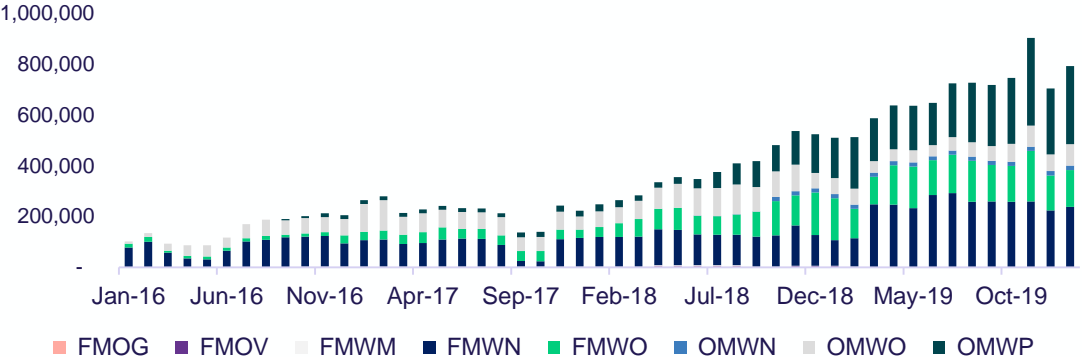
*Based on statistics from Jan 2020 – Sep 2020 Source: FIA

Open Interest as of Nov 30, 2020

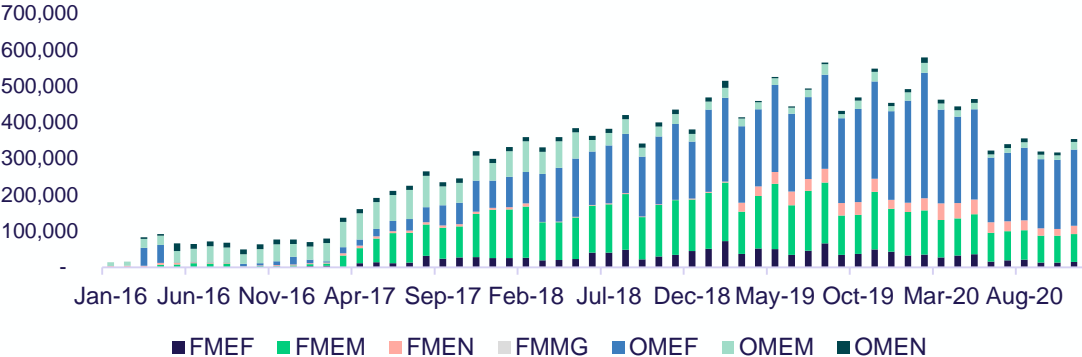
ESG Futures on MSCI World, EM and EAFE will complement growth we have seen in these products (1/2)

Performance of main benchmarks

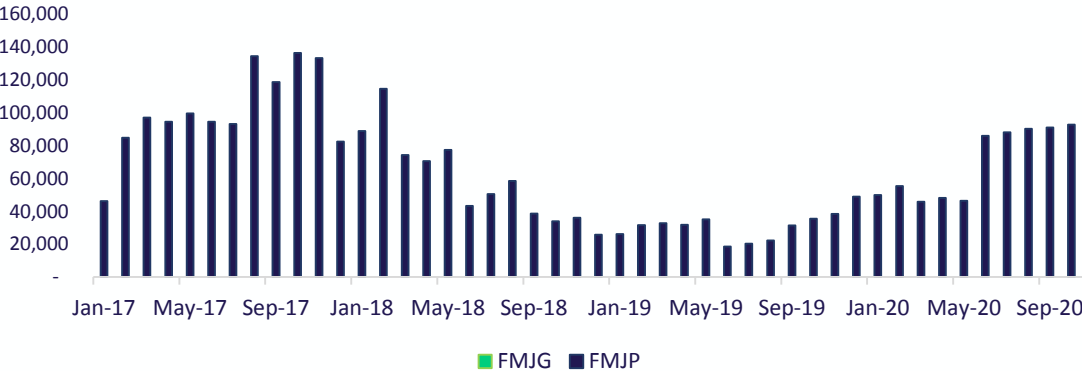
MSCI World Derivatives - Open Interest



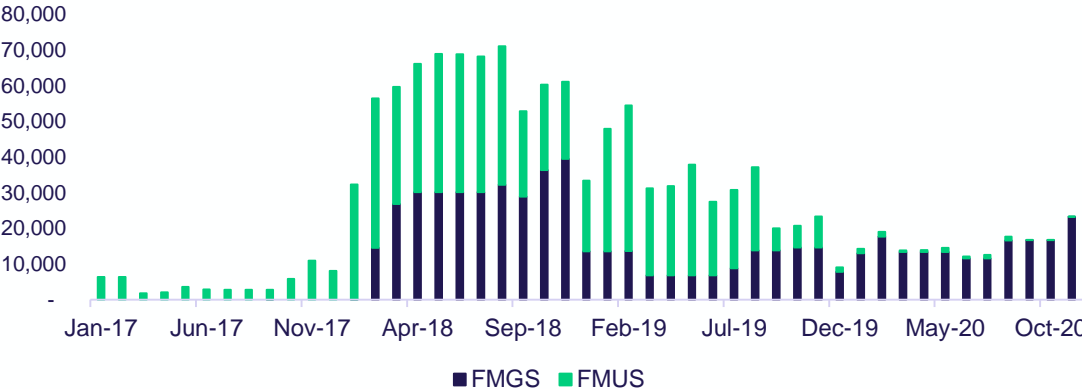
MSCI EM Derivatives - Open Interest



MSCI Japan - Open Interest



MSCI USA - Open Interest

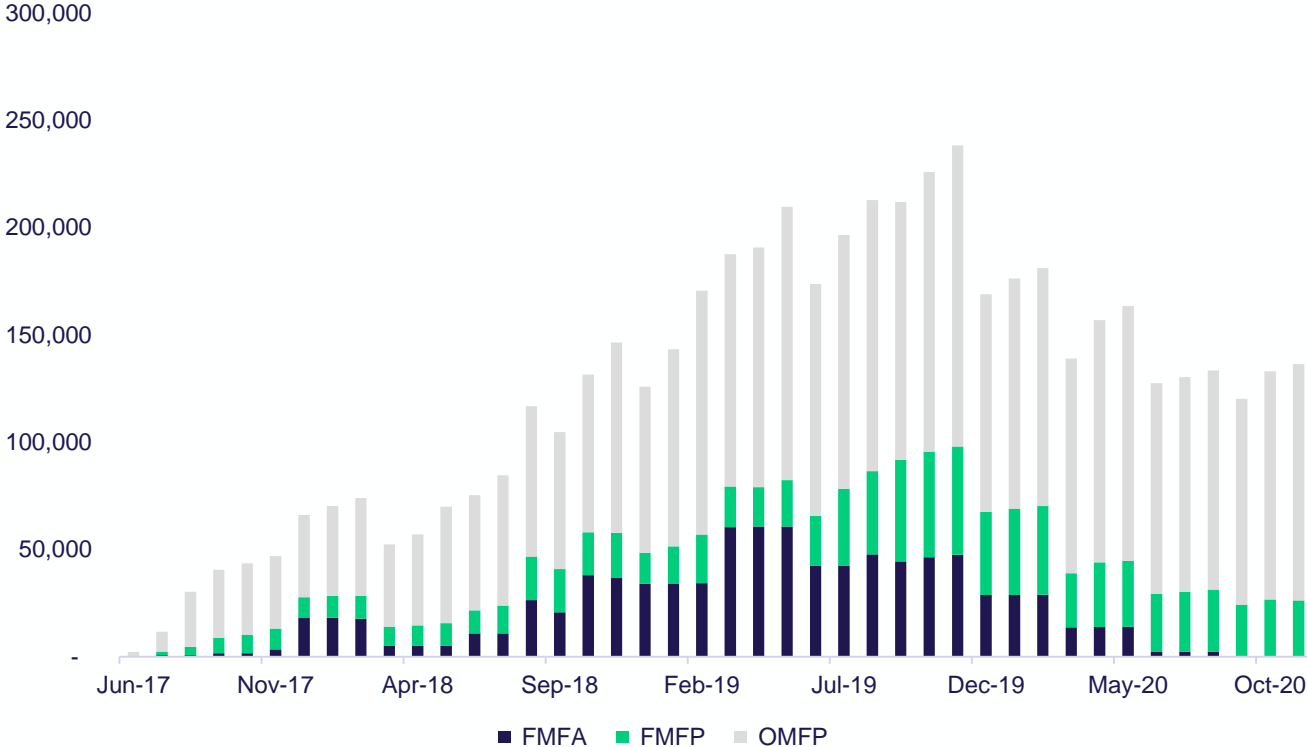


All Open Interest values are depicted by number of contracts

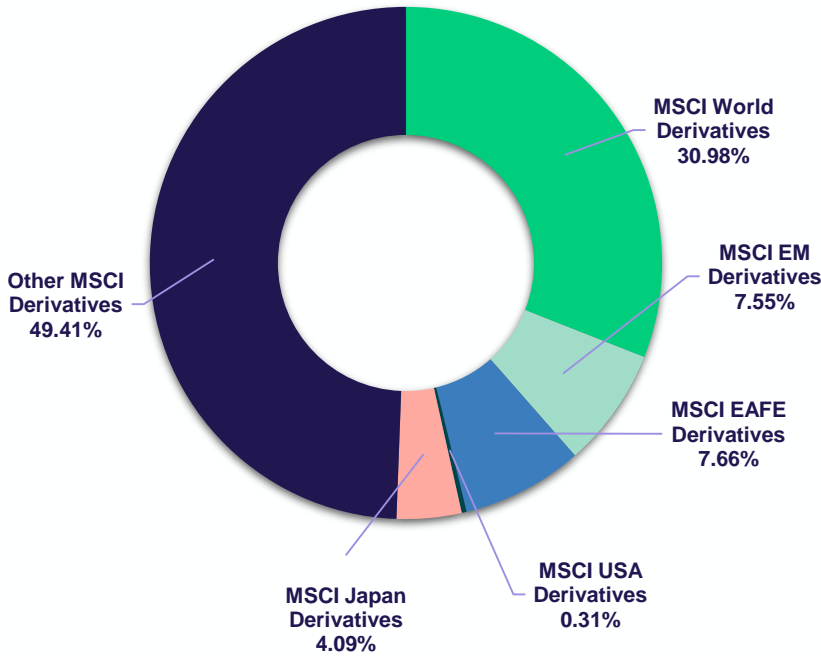
ESG Futures on MSCI World, EM and EAFE will complement growth we have seen in these products (2/2)

Performance of main benchmarks

EM EAFE Derivatives - Open Interest



MSCI Volume Distribution 2020



All Open Interest values are depicted by number of contracts

MSCI ESG Screened Indexes are closest to benchmark (1/2)

Easy access to ESG compliance without compromising performance

Product Value

- **Flexible** solution for asset managers with strict mandates to achieve ESG compliance
- Based on **liquid and successful** benchmark indices
- **Similar risk and return figures** compared to related benchmarks
- **Simple and fast integration** of the ESG Futures **into the existing trading infrastructure**
- Portfolio risk based margin (PRISMA) **enables margin offsets**
- Eurex ESG futures will **lower carbon footprint**
- **Cost efficient way** of incorporating ESG into investment strategies and managing undesired sustainability risks

General Facts

- For the entire ESG offering, the index investment families are covering negative/exclusionary screening, norms-based screening, positive/best-in-class screening and sustainability themed investing
- **Stepwise extension** to complementary sustainability offerings, further regions and options
- Exclusions can help clients align their portfolios with: social values; financial risk mitigation objectives, regulations, global norms and treaties



MSCI ESG Screened Indexes are closest to benchmark (2/2)

Easy access to ESG compliance without compromising performance

Why choose MSCI ESG Screened Indexes?

Aims to represent a broad universe of securities with limited exclusions

Provides investors with a transparent, consistent and more efficient option for those seeking to implement exclusions

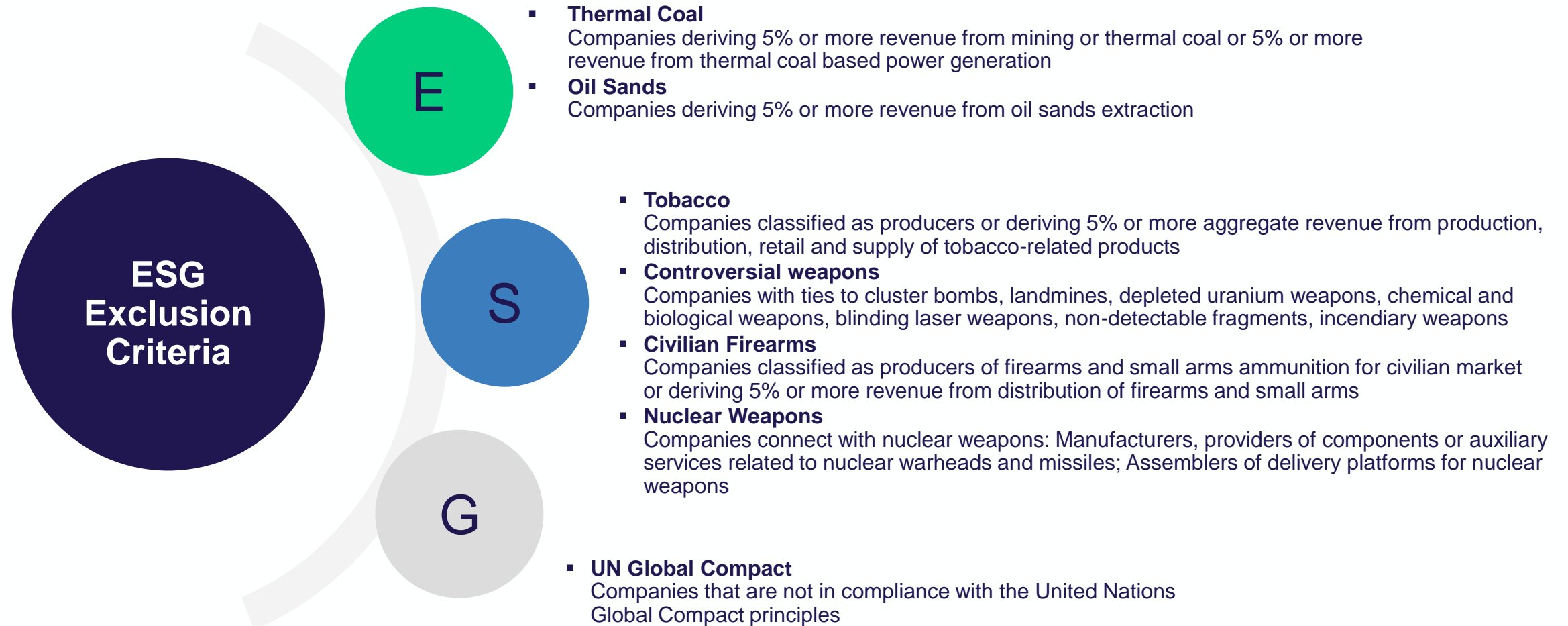
The MSCI Screened Index leverages MSCI's award-winning ESG Research expertise

The MSCI Screened Index can be used as a benchmark or as a basis for financial products

A market cap index with limited exclusions historically resulting in a minimal tracking error

Exclusion Criteria for MSCI ESG Screened Indexes

Selection of Exclusion



Derivatives on MSCI World ESG Screened Index

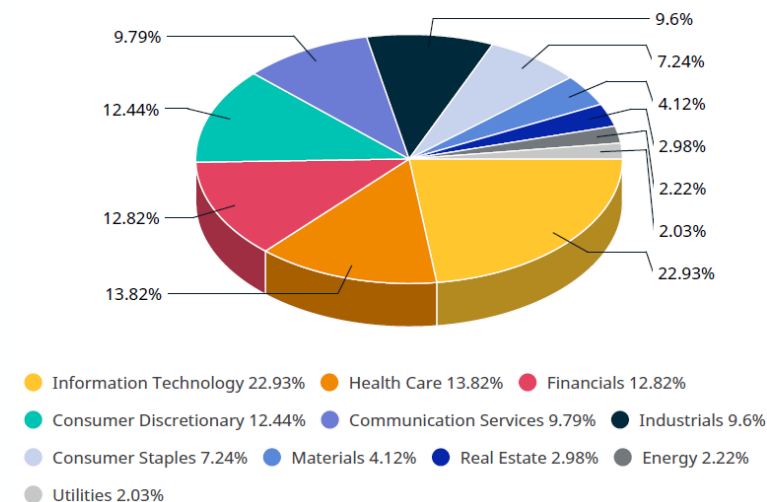
CUMULATIVE INDEX PERFORMANCE – NET RETURNS (USD)
(MAY 2012 – OCT 2020)



ANNUAL PERFORMANCE (%)

Year	MSCI World ESG Screened	MSCI World
2019	28.15	27.67
2018	-8.60	-8.71
2017	22.49	22.40
2016	7.02	7.51
2015	-0.08	-0.87
2014	5.39	4.94
2013	27.58	26.68

SECTOR WEIGHTS



INDEX PERFORMANCE – NET RETURNS (%) (OCT 30, 2020)

	1 Mo	3 Mo	1 Yr	YTD	ANNUALIZED				Since May 31, 2012
					3 Yr	5 Yr	10 Yr		
MSCI World ESG Screened	-3.02	0.05	6.02	0.03	6.62	8.50	na	10.82	
MSCI World	-3.07	-0.16	4.36	-1.42	5.96	8.13	na	10.34	

FUNDAMENTALS (OCT 30, 2020)

Div Yld (%)	P/E	P/E Fwd	P/BV
1.94	25.10	19.63	2.60
2.06	24.46	19.15	2.55

INDEX RISK AND RETURN CHARACTERISTICS (MAY 31, 2012 – OCT 30, 2020)

	Beta	Tracking Error (%)	Turnover (%) ¹	ANNUALIZED STD DEV (%) ²			SHARPE RATIO ^{2,3}			Since May 31, 2012 (%)	MAXIMUM DRAWDOWN Period YYYY-MM-DD	
				3 Yr	5 Yr	10 Yr	3 Yr	5 Yr	10 Yr			
MSCI World ESG Screened	1.01	0.49	3.59	17.20	14.29	na	0.36	0.55	na	0.80	33.69	2020-02-12–2020-03-23
MSCI World	1.00	0.00	3.08	17.05	14.14	na	0.33	0.53	na	0.77	34.03	2020-02-12–2020-03-23

¹ Last 12 months

² Based on monthly net returns data

³ Based on ICE LIBOR 1M

Source: MSCI factsheet (Link on slide 13)

Derivatives on MSCI World ESG Screened Index

ESG Metrics

Integration, values and norms

	MSCI World Index	MSCI World ESG Screened Index
Integration		
ESG score	6.3	6.3
ESG leaders (AAA-AA) (%)	32.1	33.0
ESG laggards (B-CCC) (%)	5.1	5.2
ESG trend positive (%)	14.9	14.9
ESG trend negative (%)	3.0	3.1
Index ESG rating	A	A
Environmental pillar score	5.7	5.8
Social pillar score	4.9	4.9
Governance pillar score	5.5	5.5
Key governance metrics		
Board independence (wtd avg %)	78.6	78.5
Female directors (wtd avg %)	30.4	30.5
Deviation from one share one vote (%)	23.0	23.3
Values and norms		
Tobacco involvement (%)	1.0	0.0
Civilian firearms producers (%)	0.2	0.0
Ties to controversial weapons (%)	0.6	0.0
Global compact compliance violation (%)	1.4	0.0
Red flag controversies (%)	1.8	0.2
Orange flag controversies (%)	30.5	30.5

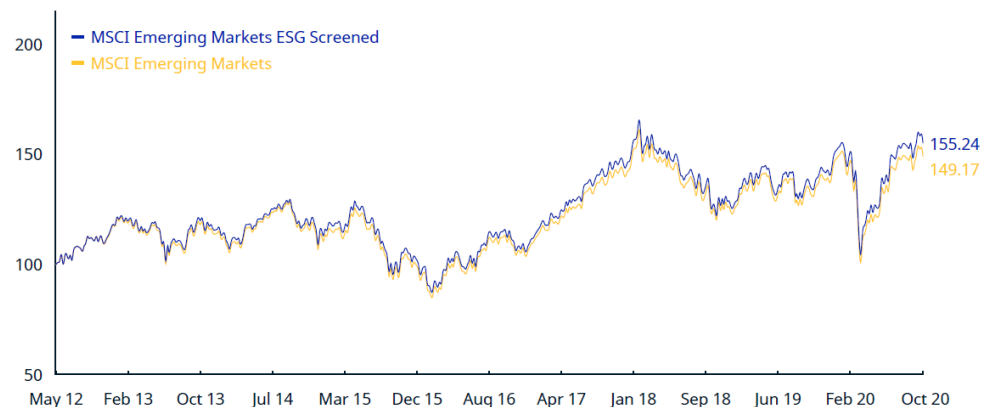
Climate change

	MSCI World Index	MSCI World ESG Screened Index
Climate footprint		
Carbon emissions (t CO2e/\$M invested)	98	67
Carbon intensity (t CO2e/\$M sales)	177	125
Wtd avg carbon intensity (t CO2e/\$M sales)	146	94
Low carbon transition risks		
Low carbon transition score	6.2	6.2
Solutions (%)	7.0	7.4
Product & operational transition (%)	13.3	11.7
Asset stranding (%)	0.1	0.0
Exposure to asset stranding risks		
Potential carbon emissions (t CO2e/\$M invested)	1713	1058
Fossil fuel reserves (%)	4.2	3.3
Thermal coal mining (%)	0.9	0.4
Thermal coal-based power generation (%)	3.2	1.9
Unconventional oil & gas extraction (%)	1.9	1.6
Exposure to clean technology solutions		
Clean technologies solutions (> 20% revenue)	5.1	5.4
Clean technologies solutions revenue (wtd avg %)	4.5	4.6
Green/brown net revenue exposure	2.9	5.2
Other climate metrics		
Exposure to carbon-related assets (%)	5.5	4.1
Climate-related controversies (% , score ≤ 4)	0.6	0.5
Low carbon transition management score (% top quartile)	69.1	69.1

Source: MSCI Data as of September 30, 2020

Derivatives on MSCI EM ESG Screened Index

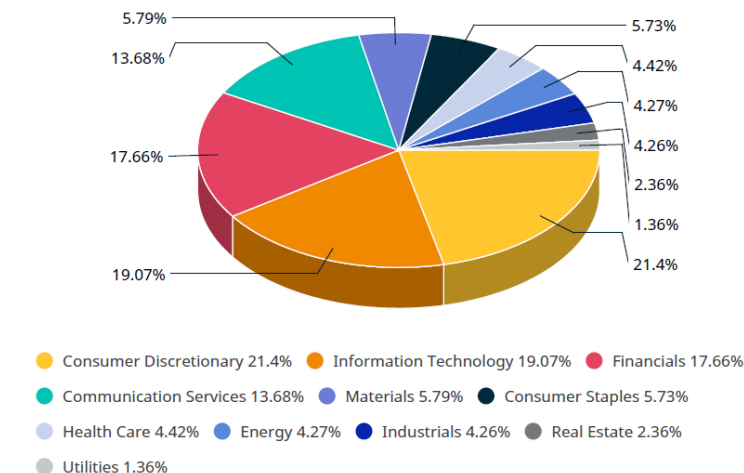
CUMULATIVE INDEX PERFORMANCE – NET RETURNS (USD) (MAY 2012 – OCT 2020)



ANNUAL PERFORMANCE (%)

Year	MSCI Emerging Markets ESG Screened	MSCI Emerging Markets
2019	19.06	18.42
2018	-15.16	-14.57
2017	38.25	37.28
2016	10.35	11.19
2015	-14.48	-14.92
2014	-1.58	-2.19
2013	-1.58	-2.60

SECTOR WEIGHTS



INDEX PERFORMANCE – NET RETURNS (%) (OCT 30, 2020)

	1 Mo	3 Mo	1 Yr	YTD	ANNUALIZED				Since May 31, 2012
					3 Yr	5 Yr	10 Yr		
MSCI Emerging Markets ESG Screened	2.19	3.09	10.10	2.38	2.36	8.21	na	5.36	
MSCI Emerging Markets	2.06	2.64	8.25	0.87	1.94	7.92	na	4.86	

FUNDAMENTALS (OCT 30, 2020)

Div Yld (%)	P/E	P/E Fwd	P/BV
2.21	19.01	14.52	1.80
2.30	18.71	14.16	1.76

INDEX RISK AND RETURN CHARACTERISTICS (MAY 31, 2012 – OCT 30, 2020)

	Beta	Tracking Error (%)	Turnover (%) ¹	ANNUALIZED STD DEV (%) ²			SHARPE RATIO ^{2,3}			Since May 31, 2012 (%)	MAXIMUM DRAWDOWN (%)	Period YYYY-MM-DD
				3 Yr	5 Yr	10 Yr	3 Yr	5 Yr	10 Yr			
MSCI Emerging Markets ESG Screened	0.99	0.65	9.75	18.92	17.13	na	0.13	0.47	na	0.36	36.62	2018-01-26–2020-03-23
MSCI Emerging Markets	1.00	0.00	9.28	18.87	17.13	na	0.11	0.45	na	0.33	37.23	2018-01-26–2020-03-23

¹ Last 12 months

² Based on monthly net returns data

³ Based on ICE LIBOR 1M

Source: MSCI factsheet (Link on slide 13)

Derivatives on MSCI EM ESG Screened Index

ESG Metrics

Integration, values and norms

	MSCI EM (Emerging Markets) Index	MSCI EM ESG Screened Index
Integration		
ESG score	4.9	5.0
ESG leaders (AAA-AA) (%)	11.7	12.0
ESG laggards (B-CCC) (%)	17.5	16.3
ESG trend positive (%)	15.0	15.1
ESG trend negative (%)	2.8	2.8
Index ESG rating	BBB	BBB
Environmental pillar score	4.8	4.9
Social pillar score	5.0	5.1
Governance pillar score	4.0	4.0
Key governance metrics		
Board independence (wtd avg %)	55.9	55.8
Female directors (wtd avg %)	12.0	12.0
Deviation from one share one vote (%)	44.4	43.6
Values and norms		
Tobacco involvement (%)	0.3	0.0
Civilian firearms producers (%)	0.0	0.0
Ties to controversial weapons (%)	0.1	0.0
Global compact compliance violation (%)	1.7	0.0
Red flag controversies (%)	1.9	0.1
Orange flag controversies (%)	9.7	9.8

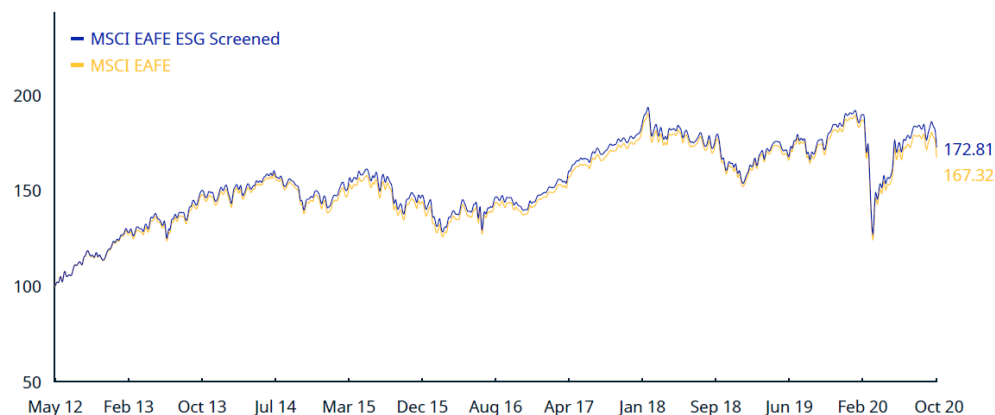
Climate change

	MSCI EM (Emerging Markets) Index	MSCI EM ESG Screened Index
Climate footprint		
Carbon emissions (t CO2e/\$M invested)	282	192
Carbon intensity (t CO2e/\$M sales)	396	277
Wtd avg carbon intensity (t CO2e/\$M sales)	253	191
Low carbon transition risks		
Low carbon transition score	5.9	6.0
Solutions (%)	2.5	2.4
Product & operational transition (%)	22.8	21.2
Asset stranding (%)	1.1	0.6
Exposure to asset stranding risks		
Potential carbon emissions (t CO2e/\$M invested)	10031	6223
Fossil fuel reserves (%)	7.1	5.0
Thermal coal mining (%)	1.9	0.6
Thermal coal-based power generation (%)	1.7	0.8
Unconventional oil & gas extraction (%)	2.2	2.1
Exposure to clean technology solutions		
Clean technologies solutions (> 20% revenue)	3.3	3.2
Clean technologies solutions revenue (wtd avg %)	3.8	3.8
Green/brown net revenue exposure	2.1	3.3
Other climate metrics		
Exposure to carbon-related assets (%)	6.7	5.8
Climate-related controversies (% , score ≤ 4)	0.0	0.0
Low carbon transition management score (% top quartile)	41.9	42.3

Source: MSCI Data as of September 30, 2020

Derivatives on MSCI EAFE ESG Screened Index

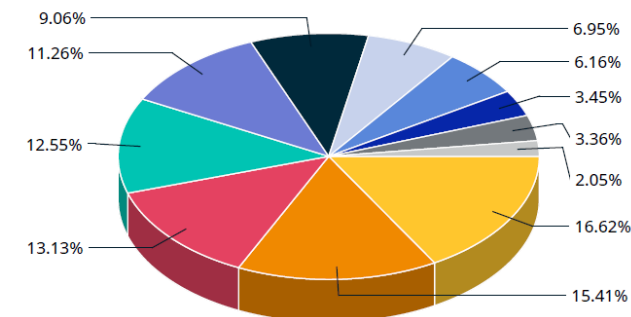
CUMULATIVE INDEX PERFORMANCE – NET RETURNS (USD) (MAY 2012 – OCT 2020)



ANNUAL PERFORMANCE (%)

Year	MSCI EAFE ESG Screened	MSCI EAFE
2019	22.43	22.01
2018	-14.27	-13.79
2017	25.13	25.03
2016	0.09	1.00
2015	-0.04	-0.81
2014	-4.61	-4.90
2013	23.88	22.78

SECTOR WEIGHTS



● Financials 16.62%	● Industrials 15.41%	● Health Care 13.13%
● Consumer Discretionary 12.55%	● Consumer Staples 11.26%	
● Information Technology 9.06%	● Materials 6.95%	● Communication Services 6.16%
● Utilities 3.45%	● Real Estate 3.36%	● Energy 2.05%

INDEX PERFORMANCE – NET RETURNS (%) (OCT 30, 2020)

	1 Mo	3 Mo	1 Yr	YTD	ANNUALIZED				Since May 31, 2012
					3 Yr	5 Yr	10 Yr		
MSCI EAFE ESG Screened	-3.76	-1.22	-5.31	-9.18	-0.75	3.09	na	6.71	
MSCI EAFE	-3.99	-1.68	-6.86	-10.80	-1.24	2.85	na	6.30	

FUNDAMENTALS (OCT 30, 2020)

Div Yld (%)	P/E	P/E Fwd	P/BV
2.59	20.24	16.62	1.54
2.75	19.43	15.94	1.51

INDEX RISK AND RETURN CHARACTERISTICS (MAY 31, 2012 – OCT 30, 2020)

	Beta	Tracking Error (%)	Turnover (%) ¹	ANNUALIZED STD DEV (%) ²			SHARPE RATIO ^{2,3}			Since May 31, 2012 (%)	MAXIMUM DRAWDOWN	
				3 Yr	5 Yr	10 Yr	3 Yr	5 Yr	10 Yr		Period YYYY-MM-DD	
MSCI EAFE ESG Screened	1.00	0.66	3.95	15.57	13.77	na	-0.08	0.20	na	0.50	33.72	2018-01-25–2020-03-23
MSCI EAFE	1.00	0.00	2.83	15.61	13.75	na	-0.11	0.18	na	0.47	34.12	2018-01-25–2020-03-23

¹ Last 12 months

² Based on monthly net returns data

³ Based on ICE LIBOR 1M

Source: MSCI factsheet (Link on slide 13)

Derivatives on MSCI EAFE ESG Screened Index

ESG Metrics

Integration, values and norms

	MSCI EAFE Index	MSCI EAFE ESG Screened Index
Integration		
ESG score	7.0	7.1
ESG leaders (AAA-AA) (%)	45.2	47.7
ESG laggards (B-CCC) (%)	2.9	2.6
ESG trend positive (%)	12.3	11.8
ESG trend negative (%)	4.0	4.1
Index ESG rating	AA	AA
Environmental pillar score	5.9	6.0
Social pillar score	5.2	5.2
Governance pillar score	5.8	5.8
Key governance metrics		
Board independence (wtd avg %)	70.8	70.1
Female directors (wtd avg %)	29.2	29.2
Deviation from one share one vote (%)	27.9	27.0
Values and norms		
Tobacco involvement (%)	1.4	0.0
Civilian firearms producers (%)	0.3	0.0
Ties to controversial weapons (%)	0.0	0.0
Global compact compliance violation (%)	2.4	0.0
Red flag controversies (%)	2.5	0.1
Orange flag controversies (%)	25.6	24.1

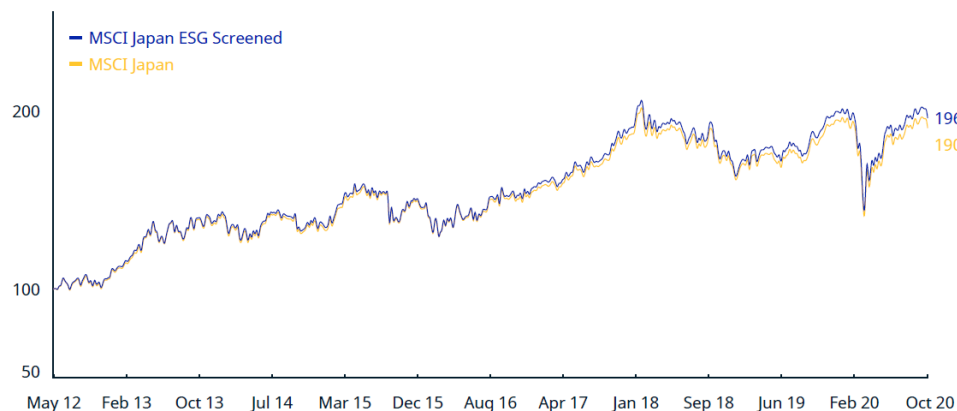
Climate change

	MSCI EAFE Index	MSCI EAFE ESG Screened Index
Climate footprint		
Carbon emissions (t CO2e/\$M invested)	164	127
Carbon intensity (t CO2e/\$M sales)	179	145
Wtd avg carbon intensity (t CO2e/\$M sales)	135	104
Low carbon transition risks		
Low carbon transition score	6.1	6.1
Solutions (%)	3.6	3.8
Product & operational transition (%)	20.3	18.8
Asset stranding (%)	0.1	0.0
Exposure to asset stranding risks		
Potential carbon emissions (t CO2e/\$M invested)	3140	1669
Fossil fuel reserves (%)	6.6	4.5
Thermal coal mining (%)	2.6	1.4
Thermal coal-based power generation (%)	3.3	2.6
Unconventional oil & gas extraction (%)	2.3	1.7
Exposure to clean technology solutions		
Clean technologies solutions (> 20% revenue)	5.1	5.4
Clean technologies solutions revenue (wtd avg %)	4.2	4.5
Green/brown net revenue exposure	3.0	5.1
Other climate metrics		
Exposure to carbon-related assets (%)	6.5	5.4
Climate-related controversies (% , score ≤ 4)	0.2	0.0
Low carbon transition management score (% top quartile)	72.7	72.1

Source: MSCI Data as of September 30, 2020

Derivatives on MSCI Japan ESG Screened Index

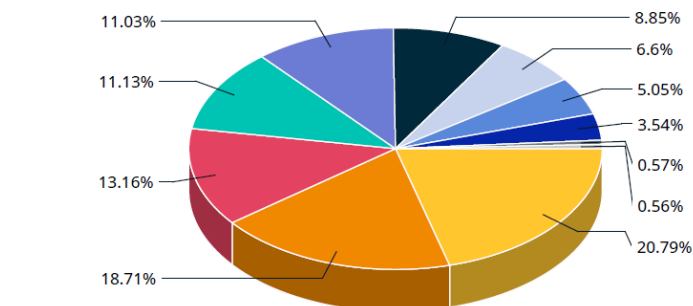
CUMULATIVE INDEX PERFORMANCE – NET RETURNS (USD) (MAY 2012 – OCT 2020)



ANNUAL PERFORMANCE (%)

Year	MSCI Japan ESG Screened	MSCI Japan
2019	21.02	19.61
2018	-13.48	-12.88
2017	24.83	23.99
2016	3.10	2.38
2015	8.83	9.57
2014	-3.77	-4.02
2013	27.39	27.16

SECTOR WEIGHTS



Industrials 20.79%	Consumer Discretionary 18.71%	Information Technology 13.16%
Health Care 11.13%	Communication Services 11.03%	Financials 8.85%
Consumer Staples 6.6%	Materials 5.05%	Real Estate 3.54%
Utilities 0.57%	Energy 0.56%	

INDEX PERFORMANCE – NET RETURNS (%) (OCT 30, 2020)

	1 Mo	3 Mo	1 Yr	YTD	ANNUALIZED				Since May 31, 2012
					3 Yr	5 Yr	10 Yr		
MSCI Japan ESG Screened	-1.58	7.05	0.93	-1.84	2.19	5.61	na	8.33	
MSCI Japan	-1.60	6.93	0.33	-2.26	1.84	5.13	na	7.96	

FUNDAMENTALS (OCT 30, 2020)

Div Yld (%)	P/E	P/E Fwd	P/BV
2.23	21.36	17.22	1.30
2.29	20.70	16.88	1.28

INDEX RISK AND RETURN CHARACTERISTICS (MAY 31, 2012 – OCT 30, 2020)

	Beta	Tracking Error (%)	Turnover (%) ¹	ANNUALIZED STD DEV (%) ²			SHARPE RATIO ^{2,3}			Since May 31, 2012	MAXIMUM DRAWDOWN	
				3 Yr	5 Yr	10 Yr	3 Yr	5 Yr	10 Yr		(%)	Period YYYY-MM-DD
MSCI Japan ESG Screened	1.01	0.54	2.56	13.98	12.81	na	0.10	0.39	na	0.62	29.98	2018-01-24–2020-03-20
MSCI Japan	1.00	0.00	2.52	13.71	12.53	na	0.08	0.36	na	0.60	29.99	2018-01-24–2020-03-20

¹ Last 12 months

² Based on monthly net returns data

³ Based on ICE LIBOR 1M

Source: MSCI factsheet (Link on slide 13)

Derivatives on MSCI Japan ESG Screened Index

ESG Metrics

Integration, values and norms

	MSCI Japan Index	MSCI Japan ESG Screened Index
Integration		
ESG score	6.0	6.0
ESG leaders (AAA-AA) (%)	28.0	28.6
ESG laggards (B-CCC) (%)	7.8	7.9
ESG trend positive (%)	18.3	18.8
ESG trend negative (%)	3.1	2.3
Index ESG rating	A	A
Environmental pillar score	5.8	5.9
Social pillar score	5.2	5.3
Governance pillar score	4.8	4.8
Key governance metrics		
Board independence (wtd avg %)	41.0	41.0
Female directors (wtd avg %)	11.9	11.8
Deviation from one share one vote (%)	4.9	4.7
Values and norms		
Tobacco involvement (%)	1.5	0.0
Civilian firearms producers (%)	0.0	0.0
Ties to controversial weapons (%)	0.0	0.0
Global compact compliance violation (%)	0.1	0.0
Red flag controversies (%)	0.1	0.0
Orange flag controversies (%)	9.0	7.7

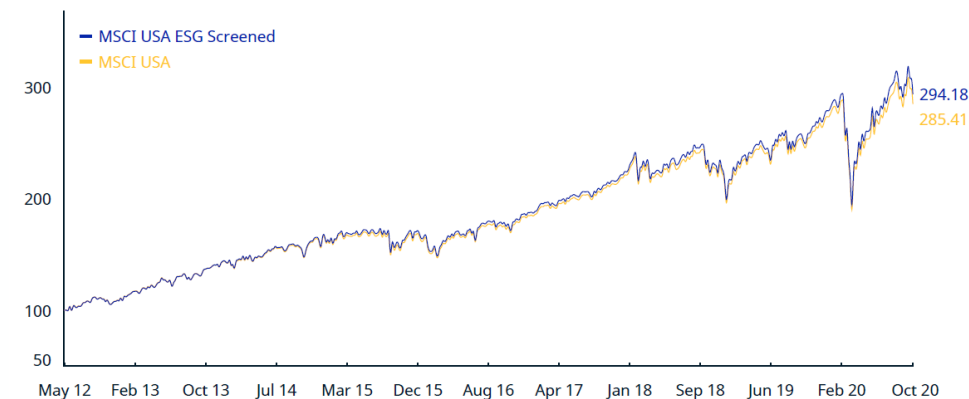
Climate change

	MSCI Japan Index	MSCI Japan ESG Screened Index
Climate footprint		
Carbon emissions (t CO2e/\$M invested)	190	119
Carbon intensity (t CO2e/\$M sales)	168	108
Wtd avg carbon intensity (t CO2e/\$M sales)	79	62
Low carbon transition risks		
Low carbon transition score	6.1	6.2
Solutions (%)	4.2	4.3
Product & operational transition (%)	16.9	16.4
Asset stranding (%)	0.0	0.0
Exposure to asset stranding risks		
Potential carbon emissions (t CO2e/\$M invested)	428	408
Fossil fuel reserves (%)	5.1	4.8
Thermal coal mining (%)	4.1	4.1
Thermal coal-based power generation (%)	2.4	1.5
Unconventional oil & gas extraction (%)	0.9	1.0
Exposure to clean technology solutions		
Clean technologies solutions (> 20% revenue)	4.6	4.7
Clean technologies solutions revenue (wtd avg %)	4.8	4.9
Green/brown net revenue exposure	6.0	13.2
Other climate metrics		
Exposure to carbon-related assets (%)	2.0	1.2
Climate-related controversies (% , score ≤ 4)	0.0	0.0
Low carbon transition management score (% top quartile)	72.0	72.4

Source: MSCI Data as of September 30, 2020

Derivatives on MSCI USA ESG Screened Index

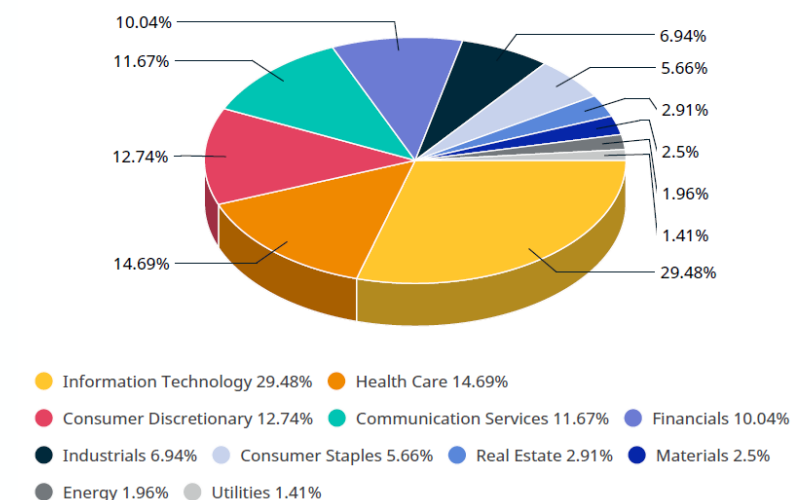
CUMULATIVE INDEX PERFORMANCE – NET RETURNS (USD) (MAY 2012 – OCT 2020)



ANNUAL PERFORMANCE (%)

Year	MSCI USA ESG Screened	MSCI USA
2019	31.29	30.88
2018	-4.69	-5.04
2017	21.17	21.19
2016	10.72	10.89
2015	1.48	0.69
2014	13.20	12.69
2013	32.41	31.79

SECTOR WEIGHTS



INDEX PERFORMANCE – NET RETURNS (%) (OCT 30, 2020)

	1 Mo	3 Mo	1 Yr	YTD	ANNUALIZED				Since May 31, 2012
					3 Yr	5 Yr	10 Yr		
MSCI USA ESG Screened	-2.69	0.71	12.42	5.10	10.98	11.70	na	13.67	
MSCI USA	-2.63	0.69	10.97	4.01	10.38	11.35	na	13.26	

FUNDAMENTALS (OCT 30, 2020)

Div Yld (%)	P/E	P/E Fwd	P/BV
1.59	28.48	21.68	3.84
1.68	27.88	21.34	3.83

INDEX RISK AND RETURN CHARACTERISTICS (MAY 31, 2012 – OCT 30, 2020)

	Beta	Tracking Error (%)	Turnover (%) ¹	ANNUALIZED STD DEV (%) ²			SHARPE RATIO ^{2,3}			Since May 31, 2012	MAXIMUM DRAWDOWN (%)	Period YYYY-MM-DD
				3 Yr	5 Yr	10 Yr	3 Yr	5 Yr	10 Yr			
MSCI USA ESG Screened	1.01	0.52	3.43	18.37	15.06	na	0.57	0.73	na	0.97	33.95	2020-02-19–2020-03-23
MSCI USA	1.00	0.00	3.15	18.13	14.84	na	0.54	0.71	na	0.96	34.16	2020-02-19–2020-03-23

¹ Last 12 months

² Based on monthly net returns data

³ Based on ICE LIBOR 1M

Source: MSCI factsheet (Link on slide 13)

Derivatives on MSCI USA ESG Screened Index

ESG Metrics

Integration, values and norms

	MSCI USA Index	MSCI USA ESG Screened Index
Integration		
ESG score	6.0	6.0
ESG leaders (AAA-AA) (%)	26.4	26.7
ESG laggards (B-CCC) (%)	6.2	6.5
ESG trend positive (%)	16.3	16.6
ESG trend negative (%)	2.3	2.4
Index ESG rating	A	A
Environmental pillar score	5.7	5.8
Social pillar score	4.7	4.8
Governance pillar score	5.4	5.4
Key governance metrics		
Board independence (wtd avg %)	81.9	81.9
Female directors (wtd avg %)	30.8	30.9
Deviation from one share one vote (%)	19.1	20.0
Values and norms		
Tobacco involvement (%)	0.8	0.0
Civilian firearms producers (%)	0.2	0.0
Ties to controversial weapons (%)	0.9	0.0
Global compact compliance violation (%)	0.8	0.0
Red flag controversies (%)	1.4	0.3
Orange flag controversies (%)	33.0	33.5

Climate change

	MSCI USA Index	MSCI USA ESG Screened Index
Climate footprint		
Carbon emissions (t CO2e/\$M invested)	66	39
Carbon intensity (t CO2e/\$M sales)	170	105
Wtd avg carbon intensity (t CO2e/\$M sales)	144	84
Low carbon transition risks		
Low carbon transition score	6.2	6.3
Solutions (%)	8.7	9.2
Product & operational transition (%)	9.1	7.6
Asset stranding (%)	0.0	0.0
Exposure to asset stranding risks		
Potential carbon emissions (t CO2e/\$M invested)	715	752
Fossil fuel reserves (%)	2.9	2.6
Thermal coal mining (%)	0.1	0.0
Thermal coal-based power generation (%)	3.2	1.7
Unconventional oil & gas extraction (%)	1.4	1.5
Exposure to clean technology solutions		
Clean technologies solutions (> 20% revenue)	5.3	5.5
Clean technologies solutions revenue (wtd avg %)	4.7	4.8
Green/brown net revenue exposure	3.1	5.3
Other climate metrics		
Exposure to carbon-related assets (%)	4.6	3.2
Climate-related controversies (% , score ≤ 4)	0.5	0.6
Low carbon transition management score (% top quartile)	67.8	68.0

Source: MSCI Data as of September 30, 2020

Product Specifications

	MSCI World ESG Screened futures	MSCI EM ESG Screened futures	MSCI EAFE ESG Screened futures	MSCI USA ESG Screened futures	MSCI Japan ESG Screened futures
EUREX Product Code	FMSW	FMSM	FMSF	FMSU	FMSJ
Index Type	USD/NTR	USD/NTR	USD/NTR	USD/NTR	USD/NTR
Bloomberg Product Code	HRLA	HRRA	HRWA	HRIA	HRYA
Contract Multiplier (USD)	USD 10 per Index point				
Minimum Price Change	USD 0.5 index points				
Minimum Block Trade Size	100	50	50	100	50
Price Quotation	In points with two decimal places				
Contract months/Maturities	Up to 36 months; quarterly months				
Daily settlement price	Volume-weighted average during the last minute before 17:30 CET				
Settlement	Cash settlement, payable on the first exchange day following the Final Settlement Day				
Final settlement price	The final settlement price for MSCI ESG Screened derivatives is the index closing price on the last trading day.				
Last Trading day	3rd Friday of each expiration month if this is an exchange day; otherwise the exchange day immediately preceding that day. Close of trading in the maturing futures on the Last Trading Day is at 22:00 CET/CEST				
Final Settlement day	The final settlement day is the trading day following the last trading day.				
Trading Hours (CET)	Onbook	Pre-Trading Period: 01:00-01:10 CET; Continuous Trading: 01:10-22:00 CET; Post-Trading Period: 22:00-22:10 CET			
	Offbook	Trading Period: 01:15-22:00 CET; Post-Trading Period: 22:00-22:10 CET			
Flexible contracts	Available				
CFTC Approved	Yes				
Underlying MSCI Factsheet	MSCI World ESG Screened	MSCI EM ESG Screened	MSCI EAFE ESG Screened	MSCI USA ESG Screened	MSCI Japan ESG Screened

Thank you!

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