

### THOMSON REUTERS CORPORATE RESPONSIBILITY INDICES

Q2 2016



#### **OUTLINE**

- Ratings
- Indices
- Information Sources
- Index Performance Summary



#### THOMSON REUTERS ESG DATA SOURCES

Annual Reports



Company Websites



NGO Websites



Stock Exchange Filings



CSR Reports



News Sources



**Data Collection Performed by 120 Analysts** 

Best Practices
Evaluated

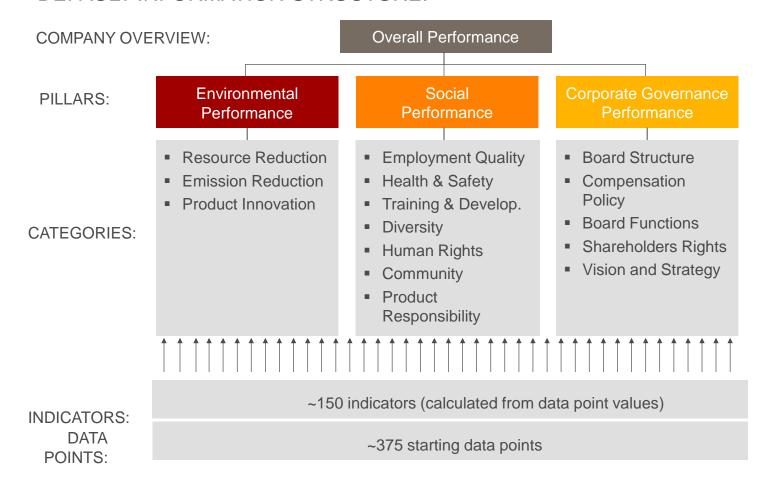
**Policy Factors** 

**Policy Implementation Factors** 



### THOMSON REUTERS CORPORATE RESPONSIBILITY INDICES - DATA FRAMEWORK

#### **DEFAULT INFORMATION STRUCTURE:**

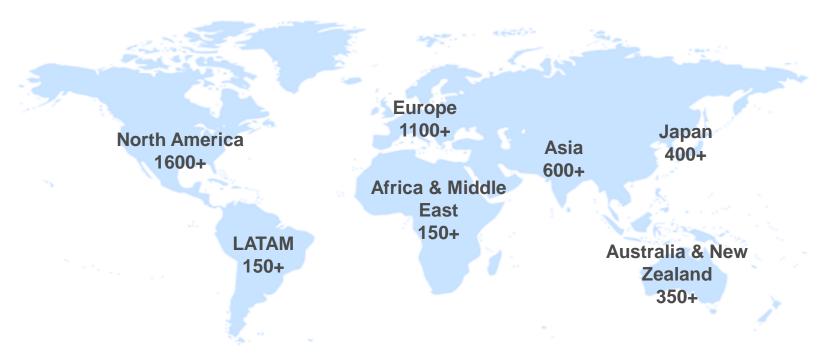




#### **ASSET4 GLOBAL UNIVERSE**

Universe of ~10,000\* Securities with Up to 11 Fiscal Years of Historic Data

#### **ASSET4 UNIVERSE BY GEOGRAPHY:**





#### ADVANTAGES OF DATA - DRIVEN APPROACH

#### Best Practices

 All companies are scored based on best practices as defined by UNPRI and SASB

#### Objectivity

 All companies are scored based on publicly available information.

#### Transparency

 Ratings and rankings are derived according to documented procedures.

#### Consistency

 Data framework is identical for all companies in a sector allowing the generation of comparables across sectors, industries and countries.

#### Flexibility

 Customize sector, industry or country specific assessment and relative valuation models, portfolio monitoring.

#### Relevance and Materiality

 Indicators represent corporate social responsibility best practices that are relevant by industry and sector.

#### Validation

 Rule books documents procedures for determining how CSR best practices impact ESG performance.



### THOMSON REUTERS CORPORATE RESPONSIBILITY INDICES - RATINGS OVERVIEW

- ESG Ratings for ~5,000 Securities Worldwide
- Ratings Based on More than 200 Key Performance Indicators
- Fully Disclosed Ratings Methodology
- Ratings Available for Separate Pillars and Composite:
  - Environmental
  - Social
  - Governance
  - E:S:G composite scores



### THOMSON REUTERS CORPORATE RESPONSIBILITY INDICES - RATINGS OBJECTIVES

- To Define a Common Standard for Best Practices
  - No Negative Screening
  - No Value Judgments on Business Activities
- To Establish a Global Standard
  - A Common Denominator for CSR
  - An Effective Benchmarking System
- To Embed Key Characteristics in the CSR Rating Process
  - Fairness
  - Impartiality
  - Transparency
- To Democratize CSR Ratings
  - Easily Understood
  - Easily Accessed
  - Low Cost



### THOMSON REUTERS CORPORATE RESPONSIBILITY INDICES - RATINGS METHODOLOGY

- Emphasize Quantitative Over Qualitative
  - Overweight Numerical Performance
  - Underweight Subjective Policy Statements
  - Incorporate Tangible Examples of Policy Implementation
  - Incorporate Recent News Items
- Ratings Calibrated by Sector
  - 52 Thomson Reuters Industries
  - No Sector/Company or Business Exclusions
- Ratings Calibrated by Region
  - North America
  - Europe
  - Asia
  - Emerging Markets



### THOMSON REUTERS CORPORATE RESPONSIBILITY INDICES - RATINGS KEY CONSIDERATIONS

- Ratings Provide a Tool for Risk Mitigation or Identifying Evidence of Best CSR Practices
  - Helps Identify Companies with Diminished Potential for Regulatory Action
  - Helps Identify Companies with Diminished Potential for Legal Action
  - Helps Identify Companies with Diminished Possibility of Losses Due to Poor Management Practices
- Ratings Available for Three Separate Pillars plus Composite
  - Facilitates Identification of Companies' Strengths and Weaknesses within the Three Key Pillars of ESG
- Inclusive Rating System Offers Sound Basis for Further Screening
  - Exclusions Possible Based on Business Activities
  - Exclusions Possible Based on Proscribed Jurisdictions



### THOMSON REUTERS CORPORATE RESPONSIBILITY INDICES – INDEX OVERVIEW

- Price and Total Return Performance Comparable to Major Benchmarks
  - Major US Large Cap Benchmark Indices
  - Major Developed Markets (ex-US) Benchmark Indices
  - Major Emerging Markets Benchmark Indices
- Very High Correlation to Major Benchmarks
  - .98 or Above
- Superior E/S/G Ratings Compared to Major Benchmarks
  - Individual Pillars (Environmental, Social, Governance)
  - Composite (ESG)



### THOMSON REUTERS CORPORATE RESPONSIBILITY INDICES - FAMILY OF INDICES

- The Thomson Reuters CRI US Large Cap ESG Index (Ticker: TRESGUS)
  - The Thomson Reuters CRI US Large Cap Environmental Index (Ticker: TRENVUS)
  - The Thomson Reuters CRI US Large Cap Governance Index (Ticker: TRCGVUS)
  - The Thomson Reuters CRI US Large Cap Social Index (Ticker: TRSCUS)
- The Thomson Reuters CRI Developed Markets (ex-US) ESG Index (Ticker: TRESGDX)
  - The Thomson Reuters CRI Developed Markets (ex-US) Environmental Index (Ticker: TRENVDX)
  - The Thomson Reuters CRI Developed Markets (ex-US) Governance Index (Ticker: TRCGVDX)
  - The Thomson Reuters CRI Developed Markets (ex-US) Social Index (Ticker: TRSCDX)
- The Thomson Reuters CRI Europe ESG Index (Ticker: TRESGEU)
  - The Thomson Reuters CRI Europe Environmental Index (Ticker: TRENVEU)
  - The Thomson Reuters CRI Europe Governance Index (Ticker: TRCGVEU)
  - The Thomson Reuters CRI Europe Social Index (Ticker: TRSCEU)



### THOMSON REUTERS CORPORATE RESPONSIBILITY INDICES - INDEX UNIVERSE METHODOLOGY

#### US Large Cap Universe

- Select 500 Largest Capitalization US Stocks
  - Must Be Domiciled in US
  - No Synthetics (e.g. ADRs, CEFs, MLPs, etc.)
- Create Float/Capitalization Weighted Index
- Assign Constituents to Thomson Reuters Sectors
- Calculate Sector Weights

#### Developed Markets (ex-US) Universe

- Select Stocks Representing ~70% of Float/Market Capitalization
  - For Eligible Countries
  - Using World Bank High Income Countries
- Create Float/Capitalization Weighted Index
- Assign Constituents to Thomson Reuters Sectors
- Calculate Sector Weights

#### Europe Universe

- Select Stocks Representing ~70% of Float/Market Capitalization
  - Must Be Domiciled in Europe
- Create Float/Capitalization Weighted Index
- Assign Constituents to Thomson Reuters Sectors
- Calculate Sector Weights



### THOMSON REUTERS CORPORATE RESPONSIBILITY INDICES – INDEX METHODOLOGY

- Select Stocks Representing 50% of Sector Count with Highest Ratings for Inclusion in Index
- Weight Stocks Within Each Sector
  - 50% of Weight Based on Capitalization
  - 50% of Weight Based on Rating
- Modify Stock Weights by Sector Weights
- Reconstitute Annually
- Rebalance Quarterly



### THOMSON REUTERS CORPORATE RESPONSIBILITY INDICES – INDEX PERFORMANCE OVERVIEW

#### Composite Indices:

Index	Pillar	5-Year CAGR vs. Benchmark	5-Year Correlation vs. Benchmarks	Current Ranking
US Large Cap	ESG	10.67% 11.93%*	0.9891*	80.27 42.81*^
Developed Markets	ESG	0.91% 2.07%**	0.9943**	90.88 59.68**^
Europe	ESG	-0.28% -0.29%***	0.9948***	91.67 63.66***^

^Average ranking of constituents included in the benchmark index but not included in the Thomson Reuters CRI Indices

<sup>\*\*\*</sup>S-Network Europe 500 TR Index



Source: TRCRR as of 6/30/2016

<sup>\*</sup>S-Network US Large-Cap 500 TR Index

<sup>\*\*</sup>S-Network Developed International 1000 TR Index

#### Thomson Reuters CRI US Large Cap ESG TR Index vs. S-Network US Large-Cap 500 TR Index

(12/31/2007–6/30/2016)

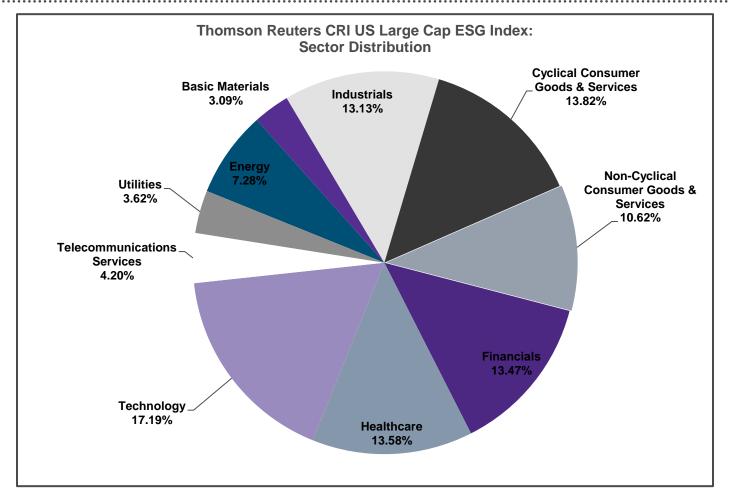


\*Average ranking of constituents included in the benchmark index but not included in the Thomson Reuters CRI Indices



Market Capitalization Profile				
TRCRI US ESG Index S-Network US Large-		S-Network US Large-Cap 500 Index		
Number of Constituents	243	497		
Total Market Capitalization	11.65 Trillion USD	19.31 Trillion USD		
Largest Market Capitalization	402.22 Billion USD	523.64 Billion USD		
Smallest Market Capitalization	5.57 Billion USD	5.05 Billion USD		
Average Market Capitalization	47.95 Billion USD	38.93 Billion USD		
Median Market Capitalization	24.22 Billion USD	17.98 Billion USD		









Top Ten Constituents				
Company	Ticker	Weight	Sector	ESG Rating
MICROSOFT CORP	MSFT US	2.68%	Technology	75.9
EXXONMOBIL CORP	XOM US	1.67%	Oil & Gas	67.7
GENERAL ELECTRIC CO	GE US	1.50%	Industrial Conglomerates	75.4
AT&T INC	T US	1.49%	Telecommunications Services	71.3
JOHNSON & JOHNSON	JNJ US	1.48%	Pharmaceuticals	82.6
VERIZON COMMUNICATIONS INC	VZ US	1.33%	Telecommunications Services	67.4
INTEL CORP	INTC US	1.28%	Semiconductors & Semiconductor Equipment	83.2
THE COCA-COLA CO	KO US	1.23%	Beverages	65.7
CISCO SYSTEMS INC	CSCO US	1.18%	Communications Equipment	78.8
JPMORGAN CHASE & CO	JPM US	1.16%	Banking Services	63.6



Total Return Appreciation (Total Return Index)			
TRCRI US ESG TR S-Network 500 TF			
Since Inception	74.66%	70.79%	
5 Year	66.00%	75.69%	
3 Year	35.69%	38.93%	
1 Year	2.36%	2.95%	

Price Appreciation (Price Index)				
	TRCRI US ESG	S-Network 500		
Since Inception	43.29%	41.66%		
5 Year	47.72%	57.89%		
3 Year	26.72%	30.74%		
1 Year	-0.09%	0.82%		

Compound Annual Growth Rate (Total Return Index)			
TRCRI US ESG TR S-Network 500 TR			
Since Inception	6.78%	6.50%	
5 Year	10.67%	11.93%	
3 Year	10.71%	11.58%	
1 Year	2.36%	2.95%	

Compound Annual Growth Rate (Price Index)			
TRCRI US ESG S-Network 500			
Since Inception	4.32%	4.18%	
5 Year	8.11%	9.57%	
3 Year	8.21%	9.35%	
1 Year	-0.09%	0.82%	



Monthly Correlation (Total Return Index)		
vs S-Network 500 TR		
Since Inception	0.9937	
5 Year	0.9891	
3 Year	0.9908	
1 Year	0.9875	

Monthly Correlation (Price Index)		
vs S-Network 500		
Since Inception	0.9937	
5 Year	0.9892	
3 Year	0.9908	
1 Year	0.9877	

Standard Deviation (Total Return Index)		
TRCRI US ESG TR S-Network 500 T		
Since Inception	16.78%	15.98%
5 Year	12.80%	12.23%
3 Year	11.21%	11.37%
1 Year	14.26%	14.54%

Standard Deviation (Price Index)			
TRCRI US ESG S-Network 500			
Since Inception	16.77%	15.98%	
5 Year	12.79%	12.22%	
3 Year	11.18%	11.34%	
1 Year	14.26%	14.56%	



Monthly Beta (Total Return Index)		
vs S-Network 500 TR		
Since Inception	1.0435	
5 Year	1.0352	
3 Year	0.9771	
1 Year	0.9681	

Monthly R-Squared (Total Return Index)		
vs S-Network 500 TR		
Since Inception	0.9875	
5 Year	0.9783	
3 Year	0.9816	
1 Year	0.9751	

Monthly Beta (Price Index)		
vs S-Network 500		
Since Inception	1.0428	
5 Year	1.0349	
3 Year	0.9769	
1 Year	0.9673	

Monthly R-Squared (Price Index)		
vs S-Network 500		
Since Inception	Since Inception 0.9875	
5 Year	0.9785	
3 Year	0.9817	
1 Year	0.9756	



Thomson Reuters CRI Developed Markets (ex-US) ESG TR Index vs. S-Network Developed International 1000 TR Index

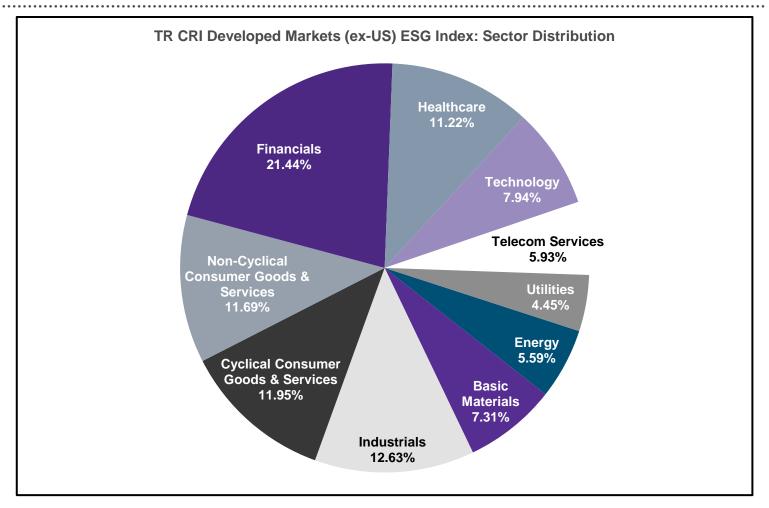


\*Average ranking of constituents included in the benchmark index but not included in the Thomson Reuters CRI Indices

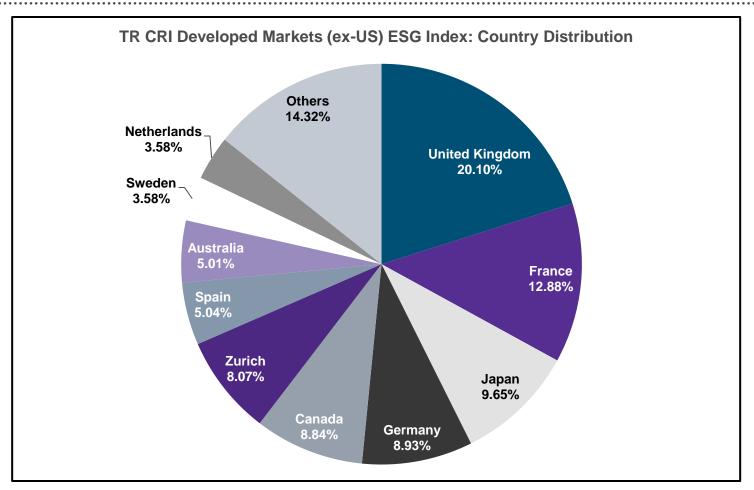


Market Capitalization Profile			
TRCRI Dev Markets ESG Index S-Network Dev Intl 1000		S-Network Dev Intl 1000 Index	
Number of Constituents	247	999	
Total Market Capitalization	8.75 Trillion USD	17.19 Trillion USD	
Largest Market Capitalization	252.94 Billion USD	239.31 Billion USD	
Smallest Market Capitalization	4.57 Billion USD	2.47 Billion USD	
Average Market Capitalization	35.42 Billion USD 17.29 Billion USD		
Median Market Capitalization	20.83 Billion USD	9.01 Billion USD	











Top Ten Constituents				
Company	Ticker	Weight	Sector	ESG Rating
NESTLE SA	NESN VX	1.78%	Consumer Non-Cyclicals	67.9
NOVARTIS AG	NOVN VX	1.52%	Healthcare	77.9
ROCHE HOLDING AG	ROG VX	1.35%	Healthcare	81.9
TAIWAN SEMICONDUCTOR MANUFACTURING CO LTD	2330 TT	1.23%	Technology	71.1
TOTAL SA	FP FP	1.18%	Energy	74.6
BP PLC	BP/ LN	1.07%	Energy	74.3
HSBC HOLDINGS PLC	HSBA LN	0.99%	Financials	73.9
BRITISH AMERICAN TOBACCO PLC	BATS LN	0.99%	Non-Cyclical Consumer Goods & Services	81.9
SIEMENS	SIE GY	0.90%	Industrials	73.6
GLAXOSMITHKLINE	GSK LN	0.89%	Healthcare	82.9



То	tal Return Appreciati (Total Return Index)		F	Price Appreciation (Price Index)	
	TRCRI Developed Markets ESG TR	S-Network Dev Intl 1000 TR		TRCRI Developed Markets ESG	S-Network Dev Intl 1000
Since Inception	-4.92%	0.84%	Since Inception	-29.94%	-25.75%
5 Year	4.62%	10.78%	5 Year	-11.97%	-6.94%
3 Year	5.96%	8.28%	3 Year	-3.99%	-1.84%
1 Year	-10.23%	-9.15%	1 Year	-13.28%	-11.93%

Comp	oound Annual Growth I (Total Return Index)	Rate	Compo	und Annual Growth (Price Index)	Rate
	TRCRI Developed Markets ESG TR	S-Network Dev Intl 1000 TR			S-Network Dev Intl 1000
Since Inception	-0.59%	0.10%	Since Inception	-4.10%	-3.44%
5 Year	0.91%	2.07%	5 Year	-2.52%	-1.43%
3 Year	1.95%	2.69%	3 Year	-1.35%	-0.62%
1 Year	-10.23%	-9.15%	1 Year	-13.28%	-11.93%



Monthly Correlation (Total Return Index)		
vs S-Network Dev Intl 1000 TR		
Since Inception	0.9970	
5 Year	0.9943	
3 Year	0.9906	
1 Year	0.9879	

Monthly Correlation (Price Index)		
vs S-Network Dev Intl 1000		
Since Inception	0.9968	
5 Year	0.9940	
3 Year	0.9897	
1 Year	0.9874	

Standard Deviation (Total Return Index)			
TRCRI Developed S-Network Developed Markets ESG TR Intl 1000 TR			
Since Inception	20.33%	19.72%	
5 Year	5 Year 15.64% 15.03%		
3 Year	13.35%	12.96%	
1 Year	16.61%	16.39%	

Standard Deviation (Price Index)			
TRCRI Developed S-Network Markets ESG Dev Intl 1000			
Since Inception	20.24%	19.65%	
5 Year	15.73% 15.10%		
3 Year	13.27%	12.85%	
1 Year	16.45%	16.26%	



Monthly Beta (Total Return Index)		
vs S-Network Dev Intl 1000 TR		
Since Inception	1.0281	
5 Year	1.0344	
3 Year	1.0211	
1 Year	1.0012	

Monthly Beta (Price Index)		
vs S-Network Dev Intl 1000		
Since Inception	1.0268	
5 Year	1.0356	
3 Year	1.0223	
1 Year	0.9988	

Monthly R-Squared (Total Return Index)		
vs S-Network Dev Intl 1000 TR		
Since Inception	0.9939	
5 Year	0.9886	
3 Year	0.9813	
1 Year	0.9759	

Monthly R-Squared (Price Index)		
vs S-Network Dev Intl 1000		
Since Inception	0.9936	
5 Year	0.9880	
3 Year	0.9794	
1 Year	0.9749	



#### Thomson Reuters CRI Europe ESG TR Index vs. S-Network Europe 500 TR Index (12/31/2007–06/30/2016)

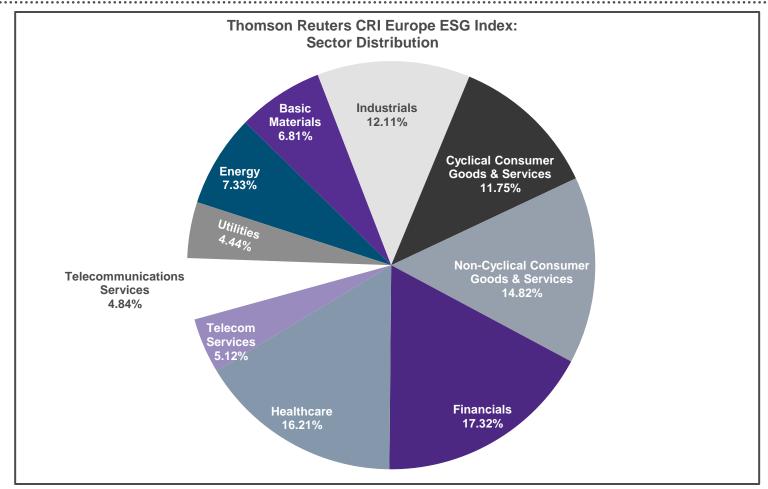


\*Average ranking of constituents included in the benchmark index but not included in the Thomson Reuters CRI Indices

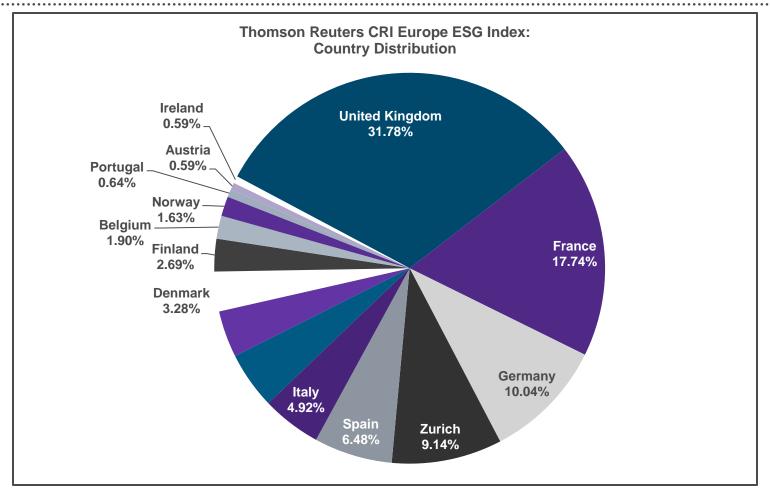


Market Capitalization Profile			
	TRCRI Europe ESG Index S-Network Europe 500 Inde		
Number of Constituents	247	499	
Total Market Capitalization	6.56 Trillion USD 9.45 Trillion USD		
Largest Market Capitalization	226.39 Billion USD 239.31 Billion US		
Smallest Market Capitalization	1.23 Billion USD 2.47 Billion USD		
Average Market Capitalization	26.56 Billion USD 19.13 Billion USD		
Median Market Capitalization	14.15 Billion USD	8.78 Billion USD	













Top Ten Constituents				
Company	Ticker	Weight	Sector	ESG Rating
NOVARTIS AG	NOVN VX	2.27%	Healthcare	77.9
ROCHE HOLDING AG	ROG VX	2.00%	Healthcare	81.9
BRITISH AMERICAN TOBACCO PLC	BATS LN	1.85%	Consumer Non-Cyclicals	81.9
TOTAL SA	FP FP	1.78%	Energy	74.6
BP PLC	BP/ LN	1.60%	Energy	74.3
GLAXOSMITHKLINE PLC	GSK LN	1.32%	Healthcare	82.9
SANOFI SA	SAN FP	1.30%	Healthcare	76.6
DIAGEO PLC	DGE LN	1.30%	Consumer Non-Cyclicals	77.5
HSBC HOLDINGS PLC	HSBA LN	1.25%	Financials	73.9
NOVO NORDISK A/S	NOVOB DC	1.24%	Healthcare	69.4



Total Return Appreciation (Total Return Index)		F	Price Appreciation (Price Index)		
	TRCRI Europe ESG TR	S-Network Europe 500 TR		TRCRI Europe ESG	S-Network Europe 500
Since Inception	-2.37%	-2.45%	Since Inception	-30.66%	-29.97%
5 Year	9.79%	9.74%	5 Year	-9.23%	-8.61%
3 Year	10.72%	8.94%	3 Year	-0.34%	-1.50%
1 Year	-10.99%	-9.76%	1 Year	-14.08%	-12.84%

-	ound Annual Growth (Total Return Index)		Compo	und Annual Growth (Price Index)	ı Rate
	TRCRI Europe ESG TR	S-Network Europe 500 TR		TRCRI Europe ESG	S-Network Europe 500
Since Inception	-0.28%	-0.29%	Since Inception	-4.22%	-4.10%
5 Year	1.88%	1.88%	5 Year	-1.92%	-1.78%
3 Year	3.45%	2.89%	3 Year	-0.11%	-0.50%
1 Year	-10.99%	-9.76%	1 Year	-14.08%	-12.84%



Monthly Correlation (Total Return Index)		
vs S-Network Europe 500 TR		
Since Inception	0.9965	
5 Year	0.9948	
3 Year	0.9924	
1 Year	0.9946	

Monthly Correlation (Price Index)		
vs S-Network Europe 500		
Since Inception 0.9965		
5 Year	0.9947	
3 Year	0.9924	
1 Year	0.9945	

Standard Deviation (Total Return Index)			
TRCRI S-Network Europe ESG TR Europe 500 TR			
<b>Since Inception</b> 22.33% 21.60%		21.60%	
<b>5 Year</b> 17.34% 16.60%		16.60%	
3 Year	<b>3 Year</b> 14.61% 13.83%		
1 Year	16.59%	15.95%	

Standard Deviation (Price Index)			
TRCRI S-Network Europe ESG Europe 500			
Since Inception	22.23%	21.52%	
5 Year	17.38%	16.66%	
3 Year	14.49%	13.73%	
1 Year	16.40%	15.76%	



Monthly Beta (Total Return Index)		
vs S-Network Europe 500 TR		
Since Inception	1.0300	
5 Year	1.0393	
3 Year	1.0489	
1 Year	1.0340	

Monthly Beta (Price Index)	
	vs S-Network Europe 500
Since Inception	1.0295
5 Year	1.0380
3 Year	1.0472
1 Year	1.0346

Monthly R-Squared (Total Return Index)	
	vs S-Network Europe 500 TR
Since Inception	0.9929
5 Year	0.9895
3 Year	0.9848
1 Year	0.9892

Monthly R-Squared (Price Index)	
	vs S-Network Europe 500
Since Inception	0.9930
5 Year	0.9895
3 Year	0.9848
1 Year	0.9891



### THOMSON REUTERS CORPORATE RESPONSIBILITY INDICES - SUMMARY

- Designed to provide a benchmark of companies exhibiting best corporate social responsibility practices as measured by their superior ratings.
- Best-in-class design methodology (no exclusionary screening).
- Emphasis on quantitative and quantifiable metrics.
- Powered by "dynamic" ratings derived from the Thomson Reuters ASSET4 ESG database and the Thomson Reuters Corporate Responsibility Ratings.
- The indices represent a comprehensive benchmarking system for CSR investors.
- High correlations to major benchmarks with higher ESG ratings
- Transparent rules-based ratings and index methodologies



#### QUESTIONS?

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