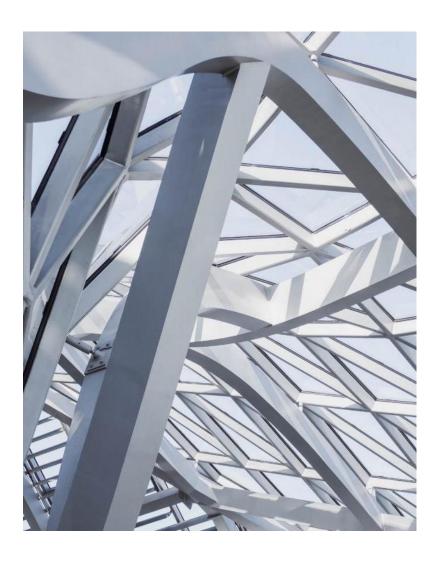






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# Highlights: A global unconstrained framework to generate returns across cycles

### Exploiting market cycles across asset classes is at the heart of our process

- > Market cycles are unsynchronized, offering opportunities across fixed income classes
- > Value based contrarian approach

### Research drives our investment themes and views

- > Quarterly outlook to capture cyclical drivers
- > Strategists providing continuous input in investment process
- > Combination of global fundamental and quant research

### Multi fixed income assets expertise together within the Global Macro team

- > Variety of skill sets in team with on average 20 years of experience
- > Integrated team of global rates, euro sovereigns, credit and derivatives specialists
- > Use input from quant, credit and ESG fixed income analysts

Investment Team

# Global Fixed Income Macro team: Highly experienced investment team

### Global Fixed Income Macro (8)

#### Jamie Stuttard



Head Global FI Macro Portfolio Manager Industry: 25 years

#### Michiel de Bruin



Head Euro Sovereigns Portfolio Manager Industry: 37 years

#### Stephan van IJzendoorn



Portfolio Manager Euro Sovereigns Industry: 19 years

#### **Bob Stoutiesdiik**



PM & Strategist Global Macro Industry: 15 years

### Rikkert Scholten



Strategist Global Macro Industry: 28 years

#### Martin van Vliet



Strategist Global Macro Industry: 23 years

#### Philip McNicholas



Strategist Asia Sovereign Industry: 16 years

#### Rogier Hoogeveen



Strategist Global Macro Industry: 3 years

#### Max Schieler



SI Country Specialist

Industry: 38 years

#### Credit Portfolio Managers (11)

#### Victor Verberk



CIO Fixed Income & SI PM Investment Grade Industry: 25 years

#### **Reinout Schapers**



Portfolio Manager Investment Grade Industry: 19 years

#### Evert Giesen



Portfolio Manager Investment Grade Industry: 25 years

#### Jan Willem de Moor



Portfolio Manager Investment Grade Industry: 29 years

#### Peter Kwaak



Portfolio Manager Investment Grade Industry: 24 years

#### Thu Ha Chow



PM Asian Credits Singapore Industry: 25 years

#### Sander Bus



Co-head Credit team PM High Yield Industry: 27 years

#### Roeland Moraal



Portfolio Manager High Yield Industry: 26 years

#### Christiaan Lever



Portfolio Manager High Yield Industry: 13 years

#### Patrick Bawlf



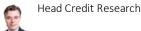
Portfolio Manager Investment Grade Industry: 28 years

#### Joost Breeuwsma



Portfolio Manager Investment Grade Industry: 5 years

#### Credit Research Analysts (28) Taeke Wiersma



Industry: 27 years

#### Jankees Ruizeveld



Co-head Credit Research Telecom Maindustry: 28 years

#### Gino Beteta Vejarano



Industry: 9 years

#### Credit Research Analysts 28 Investment professionals

#### Sustainable Multi Asset Solutions (13) Remmert Koekkoek



Head SMAS and Insurance & Pension Solutions Industry: 18 years

#### Colin Graham



Co-head SMAS Head MA Strategies Industry: 25 years

#### PM Insurance & Pension Solutions 5 Investment professionals PM Multi Asset Strategies

4 Investment professionals Strategists

#### 4 Investment professionals

### Client Portfolio Managers (9) Joop Kohler



Head FI CPM team Client Portfolio Manager Industry: 18 years

#### Meena Santhosh



Client Portfolio Manager Global FI Macro Industry: 11 years

#### David Hawa



Client Portfolio Manager Broad Fixed Income Industry: 37 years

#### CPMs & Investment Specialists

9 Investment professionals

#### Sustainability (~50) Carola van Lamoen



Head Sustainable Investing Industry: 21 years

SI Research & Active Ownership ~50 Investment professionals

### Quant Fixed Income (16) Patrick Houweling, PhD



Co-head Quant FI Portfolio Manager Industry: 24 years

Quant FI Portfolio Managers 6 Investment professionals

#### Guido Baltussen, PhD



Co-head Quant FI Portfolio Manager Industry: 19 years

Quant FI Researchers 10 Investment professionals



Erik van Leeuwen

Chief Operations Invest. **Head PET** 

Portfolio Engineering & Trading (31)

#### Judith van IJserloo



Head Operational PMs Technical PM Industry: 24 years

FI Technical & Operational PMs

7 Investment professionals

#### Paul van Overbeek



Head Fixed Income Trading Fixed Income Trader Industry: 24 years Fixed Income & FX Traders

8 Investment professionals

#### Jacob Buitelaar



& Analytics Industry: 16 years

Data Scientists & Engineers

15 Investment professionals

Source: Robeco.



Investment Philosophy & Process

# **Investment Philosophy**

# Taking active risk in Global Fixed Income when it makes sense



Value. At cyclical extremes, value becomes an increasingly important driver of medium-term returns



Asymmetry. We seek strategies that in our analysis have asymmetrically attractive potential outcomes



Contrarian. We prefer to avoid crowds and seek to exploit pain trades and forced behavior from others

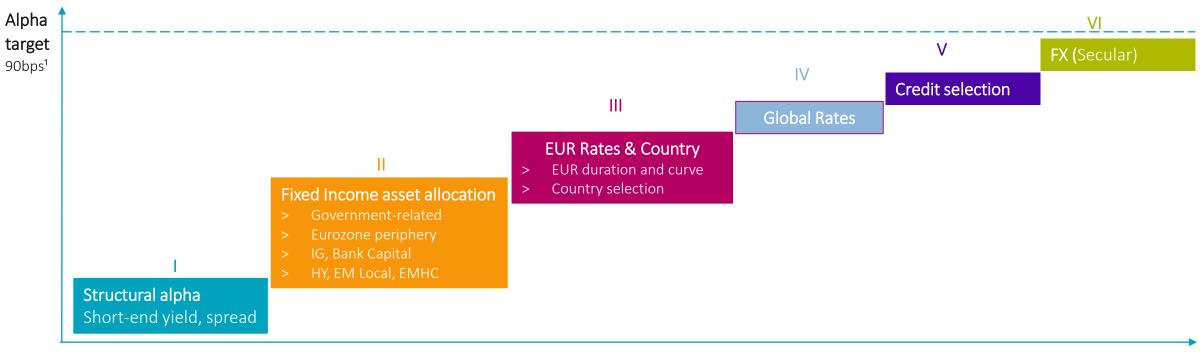


Segmentation. Our broad opportunity set gives alpha potential across sectors, geographies and instrument types

# Key sources of return

- > Fixed Income asset allocation the most important source of return over the cycle
- > EUR rates and country selection important alpha driver leveraging on dedicated euro sovereign team
- > Flexible approach to research driven allocations to global rates and FX

### Robeco All Strategy Euro Bonds fund: Ex-Ante Sources of Return



Sources of return

Source: Robeco. These examples are for information purposes only and not intended to be an investment advice in any way <sup>1</sup>Excess return target, gross of fees, over a full credit cycle. In reality costs (such as management fees and other costs) are charged. These have a negative effect on the returns shown.

# Investment process

### Research drives our investment themes and views

### Quarterly Outlooks: Global Macro & Credit

Views on structural regimes, economic and market cycles

### Continuous research input

- > Central Bank Watcher
- Proprietary economic barometers, surprise indices
- Z scores, peer positioning, risk aversion, quant inputs
- > Country Reports (F Scores)
- > ESG analysis

# Portfolio construction & Optimization

### Portfolio Manager

- Fixed Income asset allocation
- Conviction and position sizes
- > Mandates to Credit PMs
- > Instrument, tenor choice in Government Bonds
- > Increase carry & rolldown

### Risk management

### Portfolio Manager/ Compliance

- > Overall portfolio risk
- Historical simulations
- Investment restriction checks, specific fund guidelines
- > Ongoing P&L monitoring

### Portfolio implementation

### Portfolio Engineering & Trading

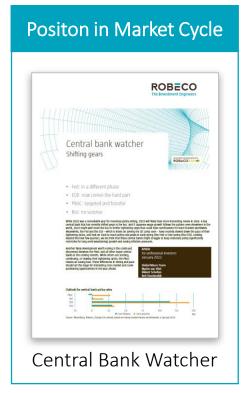
- > Model portfolio
- > Trade flow process
- > Liquidity management
- > Trading cost analysis



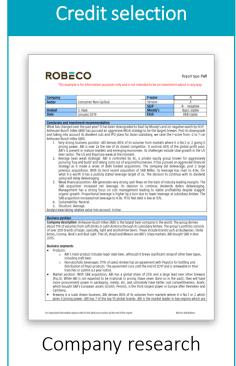
# Research drives our investment themes and view

"Every investment strategy should be research-driven" L.W.E. Rauwenhoff, Robeco's first director, 1934











# Award winning macroeconomic research 5-year outlook

### Analyzing trends with a longer term impact on investments

- > Expected return scenarios
- Cross asset valuation
- > Special topics such as
  - > Changes in monetary policy framework
  - > Italian debt sustainability
  - > Validity of secular stagnation assumption



#### Robeco wins Best Asset Allocation and Strategy Paper 2020

This year, the coronavirus pandemic has been a major test for global investors. In March, the VIX hit 75.9, highlighting the tremendous levels of stress within the market. **The winning paper in this category – by Robeco** – looks ahead to what the next five years could hold. Its expected return forecasts helpfully examine the outlook for the global economy and various asset classes. But while forward-looking analysis is essential for asset allocators, it's also vitally important not to lose sight of past market behaviour as well as the basic tenets of asset allocation theory.

2021 2025 **BRAVE** REAL WORLD ROBECOSAM ( 5-year outlook

ROBECO

Source: Robeco

https://www.savvyinvestor.net/blog/awards-best-asset-allocation-and-strategy-white-paper-2020 These examples are for information purposes only and not intended to be an investment advice in any way

# Quarterly outlook morning: Outside in discussion

Views on economic, policy and market environment



### Outline of current views and positions

> Incorporating the input from the Credit Quarterly Outlook



### Presentations by guest speakers on main cyclical drivers

> Selected for specific expertise on themes we anticipate will matter over next 3-6 months



### Round table discussion including the guest speakers

> Interactive process to re-assess our views



### Main takeaways for afternoon session

> Updated views on economic, policy and market environment

# Quarterly outlook afternoon: Concluding on asset class choices

# Consistently applying our research framework to include all aspects driving markets

	Global rates and FX	Europe	Credits
Fundamentals	Inflation leading indicators Economic surprise indices	Political risks and opportunities Banking sector health	Earnings growth trend Lending conditions
Valuation	Money market futures strips Carry and roll down	Spreads history vs Germany Spreads versus other asset classes	Spreads in historical context Default probabilities vs spreads
	<b></b>		
Technicals	Official net buying Positioning	ECB balance sheet policy Ownership structure of bonds	Net flows New issuance
Quant	Bond optimizer	Duration model	Credit Beta model

Duration

Euro periphery

IG Credits

High Yield

Emerging Hard currency Emerging Local currency

# Global Macro & Credit Quarterly Outlook Looking for value globally

### Quarterly outlook approach focused on broader 3-6 month perspective

- Extensive proprietary in-house fundamental research
- Identifying current position in the market cycle
- How to position the portfolio given the cyclical context?

### Assessing our opportunity set from three perspectives

- Fundamentals, Valuation and Technicals
- Outside in perspective from external guest speakers
- Interactive process to re-assess our views

### Output central to portfolio positioning

- Updated views on economic, policy and market environment
- Duration, curve and credit beta and aggregate sector positioning
- Depending on cycle, more or less contrarian

ROBECO Global Fixed Income Macro Outloo Recession investing

- Yield curves becoming more inverted, setting up big 2023 opportunities.
- ...as recession probabilities rise for much of the G7
- GBP IG and EUR swap spreads show the rewards from recessionary levels

For all of 2022, we have focused on tighter monetary policy, discussing the dilemma faced by central banks (in zech Mate') and their subsequent decision to prioritize the D22 we have highlighted that recession over the coming uarters is a probability rather than a risk. More recently, he market consensus has moved to that view

Yet, while some markets are priced for recession, others are not. The historic volatility in fixed income in 2022 has unglued prior relationships, sending many cross-market. yield curve and cross-credit relationships to unusual level: read: opportunities). Last quarter we laid out our thesis for outlook called '<u>Twin Peaks</u>'. There, we called for a turn lower in government bond yields and the resumption of

2022's overall trend wider in credit spreads. Our view is

Since October, most government yields have finally turned peak. Still, markets can be choppy, and there remains a



#### From rates to ratings fears

- The market focus will shift from inflation to growth
- Spreads have not yet peaked (except for EUR swap spreads)
- We're long quality as dispersion is set to increase

2022 outlook, '<u>Twin Peaks</u>', in a hiking cycle that ultimately ends in recession, rates typically peak before credit spreads do. In particular, rates usually peak around the second-tolast Fed hike. We believe we are now in the valley between have peaked in some markets, while inflation is now easing. Credit spreads have also rallied a lot since mid October but are set to rewiden when markets start anticipating a recession that would hit corporate health

As the probability of a recession rises and becomes part of he consensus view, market dispersion will increase. The ower-quality end of the credit spectrum is likely to see an ncreased default rate while the higher end of the market could benefit from lower rates and a flight to quality. Once ecession is fully priced in and spreads reach their own peak, that would be the time to go outright long, even in default rates have peaked

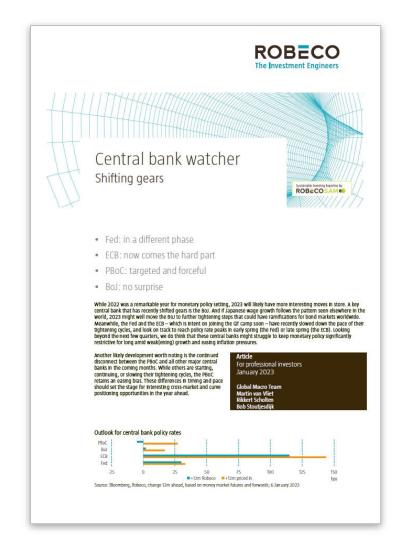
expect Euro swap spreads to tighten further. Since swap spreads are a large part of the total credit spread for Euro investment grade, we are comfortable with a modest long

### Central Bank Watcher

## Dedicated strategists focus on the policies and actions of the Fed, ECB, BoJ and PBoC

### Identifying key driver of rates every six weeks

- > What is priced in for official rates
- Recent central bank communication
- > Updated central bank view
- > Carry and rolldown
- > Term premium and other yield curve drivers
- > Recommendations on duration and curvature



Source: Robeco

# Country report

### Bottom-up analysis to identify country-specific opportunities

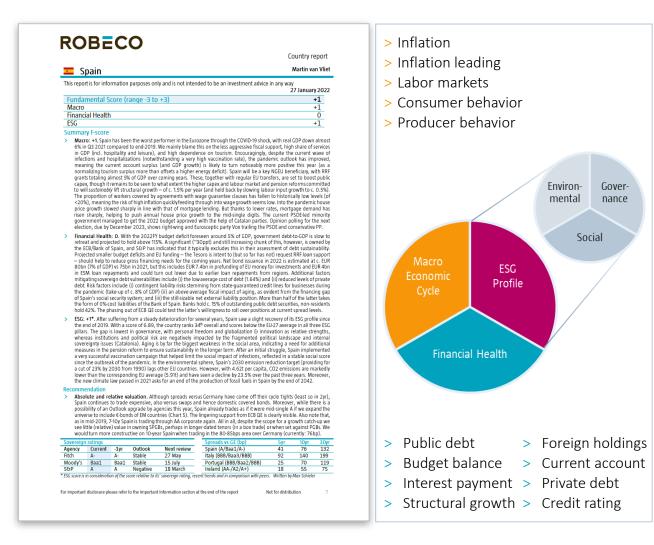
### Analysis centered around three main themes:

- > Financial Health
- Macro Economic Cycle
- > ESG Profile

Fundamental score -3 to +3 to express opinion vs rating peers

# Investment recommendation (Underperform, In Line, Outperform)

- > Absolute value (rates market)
- Relative value (spread market)



Source: Robeco

# Country sustainability

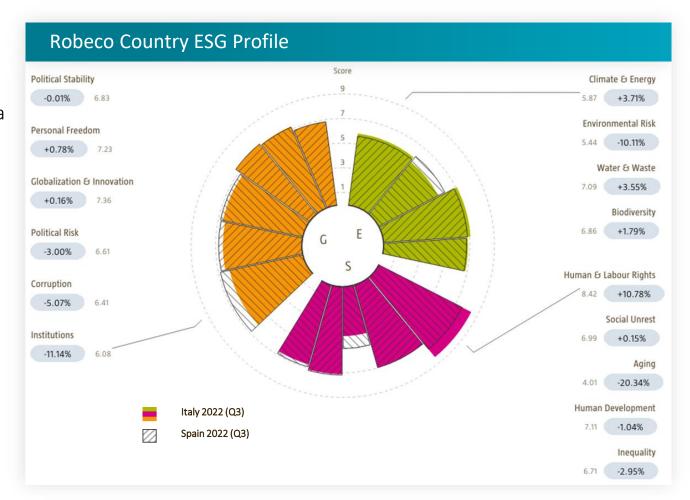
# ESG Country scores enriches our fundamental analysis

### **Proprietary Country Sustainability Ranking**

- > Proven model for ESG analysis since 2010
- Scores are based on 50 indicators combined into 15 criteria covering the three main ESG dimensions (environmental, social & governance)
- > Framework covers a universe of 150 countries
  - > 23 industrialized countries or advanced economies
  - > 127 emerging market and developing countries

### Own assessment & emphasis

- > Warning system for country-specific risks
- > Independent from rating agencies
- > Comparing countries on individual indicators



## Quant duration model

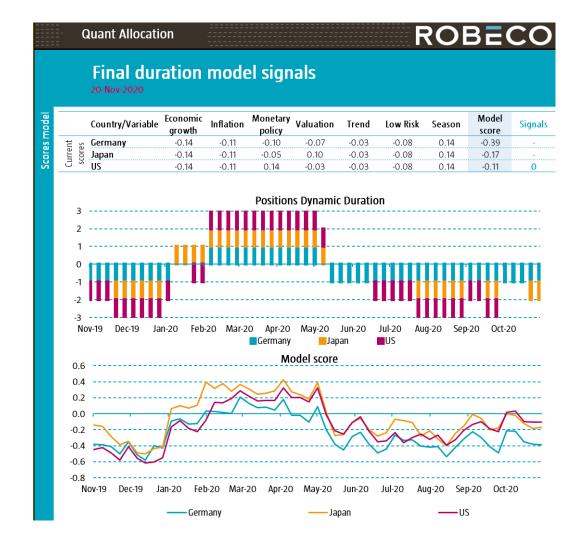
### Reducing biases and add to conviction

### Robeco proprietary duration model

- > Model fundamentals in place since the 1990's
- Fundamental drivers of bond markets combined with valuation & technical factors

### Based only on market prices

- > Economic growth: Stock market returns
- Inflation: Change in commodity prices
- > Monetary policy: Change in slope of the yield curve
- > Valuation: Slope of the yield curve
- > Trend: Global bond market momentum
- > Season: Monthly and annual patterns
- > Low-risk: Relative performance low-risk stocks



Source: Robecc

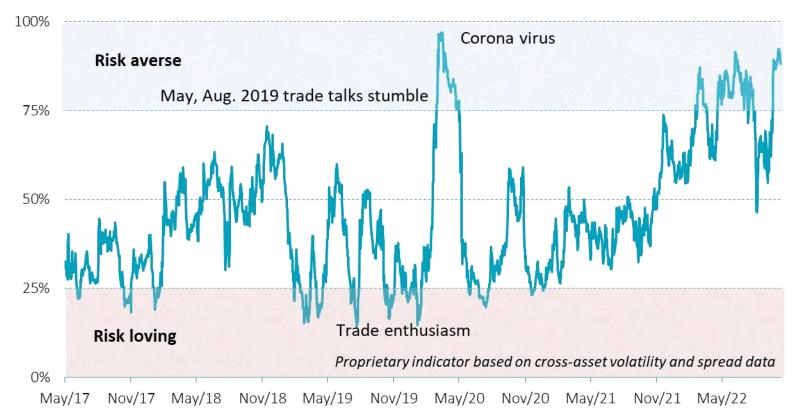
These examples are for information purposes only and not intended to be an investment advice in any way

# Proprietary risk aversion barometer

### To monitor market risk appetite and identify contrarian opportunities

Risk aversion barometer 20 years history, 60d look back (higher=more risk averse)





- Measures market risk appetite from euphoria to risk aversion
- Based on a 20-year lookback of volatility and spread momentum across multiple sectors
- > Key support for identifying extremes in sentiment and gaging when to take a contrarian stance

# **Fixed Income Asset Allocation**

## Assessing value across the Fixed Income spread product spectrum

Date	USD IG	EUR IG	GBP IG	USD HY	EUR HY	GBP HY	<b>EUR Fins</b>	Global IG	CSPP 5yr	EUR Non-	USD Fin	USD IG	Cov Bond	EUR Sub	USD BB	EUR BB	EMBI 5yr	Fr-Ge 5yr	It-Ge 5yr	Sp-Ge 5yr
												Non-Fin								
	5yr Z	5yr Z	Z	Fin 5yr Z	5yr Z	5yr Z	5yr Z	Fin 5yr Z	5yr Z	5yr Z	Z	Z	Z	Z						
2/21/2020	(1.10)	(1.38)	(1.28)	(0.75)	(1.00)	(0.26	(1.66)	(1.18)	(1.06)	(1.07)	(1.52)	(0.91)	(1.48)	(1.68)	(0.93)	(1.12)	(1.56)	(1.23)	(0.63)	(1.88)
2/28/2020	(0.04)	(0.01)	(0.33)	0.45	0.32	0.93	(0.15)	(0.04)	0.26	0.14	(0.34)	0.05	(0.51)	(0.47)	0.61	0.31	(0.30)	(0.31)	0.01	(0.86)
3/6/2020	0.69	0.71	0.14	0.96	0.73	1.86	0.55	0.71	0.98	0.80	0.52	0.74	0.25	0.05	1.19	0.70	0.23	0.17	0.14	(0.71)
3/13/2020	3.84	3.19	2.41	2.37	2.97	4.11	3.15	3.73	3.27	3.06	4.33	3.60	1.23	1.86	2.99	3.09	2.39	2.14	1.10	0.35
3/20/2020	8.54	5.90	5.63	4.53	5.10	6.69	6.47	8.01	5.47	5.25	9.67	7.96	0.68	3.96	5.71	5.43	4.87	0.87	0.42	(0.14)
3/27/2020	5.94	5.90	5.18	3.53	4.07	6.11	6.13	6.09	5.58	5.50	6.25	5.74	) 1.43	3.61	4.30	4.24	3.86	0.67	0.15	(0.32)
4/3/2020	5.14	5.48	4.18	3.76	3.80	5.74	4.94	5.37	5.66	5.59	5.06	5.11	1.64	3.23	4.45	3.90	4.16	1.65	0.48	0.42
4/10/2020	3.63	4.04	3.20	2.58	2.80	4.79	2.75	3.91	4.69	4.64	3.47	3.66	1.52	1.77	2.88	2.70	3.42	0.95	0.39	0.17
4/17/2020	2.69	3.55	2.63	2.05	2.48	4.19	2.70	3.12	3.93	3.94	2.73	2.79	1.94	1.62	2.24	2.40	3.36	1.47	0.97	0.87

### Process tools to screen for and identify Fixed Income sector value:

- > Embedded in Global Macro process via weekly meeting cycle
- > Quantifies absolute value for when to be patient/conservative versus when to be constructive and open up risk
- > Quantifies cross-market value for tactical opportunities targeted exposures: not just about in or out of credit beta

# **Fundamental Credit Analysis**

Making the extra step to research all relevant company characteristics





### The Fundamental score

Robeco's proprietary method to assess the pure credit quality of the company, independent from the relative value.

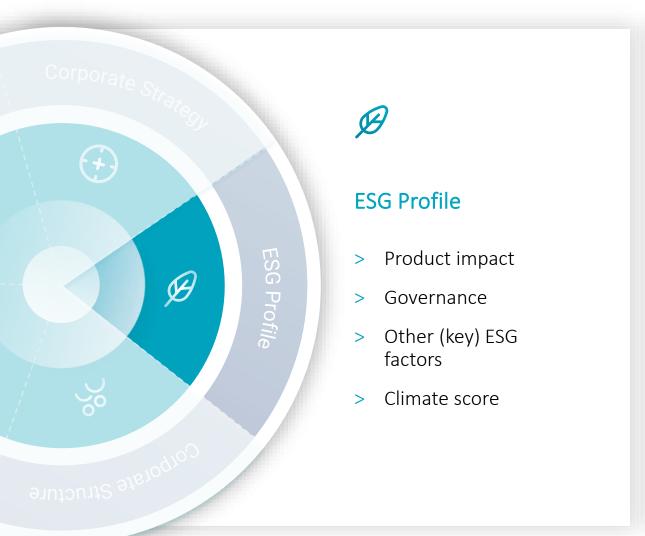
### Credit analysts

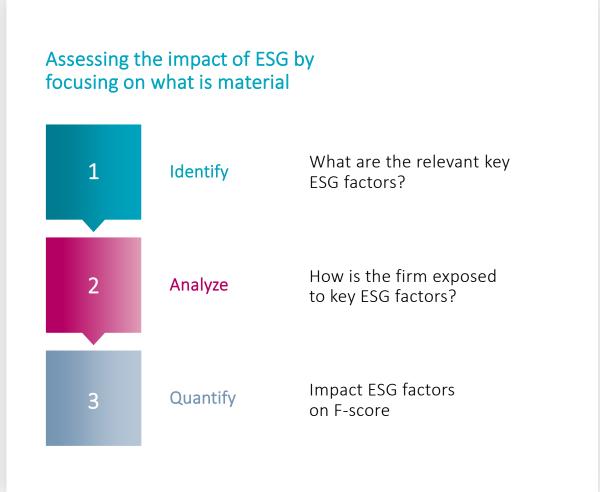
- Assign the Fundamental score [-3 to +3] based on an issuer's relative credit fundamentals given its rating
- > Give investment recommendation (underperform, in line or outperform) based on valuation in relation to its fundamentals
- > Fundamental scores discussed and validated in around 500 credit committees yearly

Source: Robeco

# Fundamental credit analysis: ESG integration

Using ESG insights to better assess downside risks in credits





Source: Robeco

Portfolio construction and risk management

# Portfolio construction: Translating investment views to portfolio positions

### Deciding what positions we like most

#### **Convictions**

Duration

Euro periphery



**IG Credits** 



High Yield



Emerging
Hard currency



**Emerging**Local currency

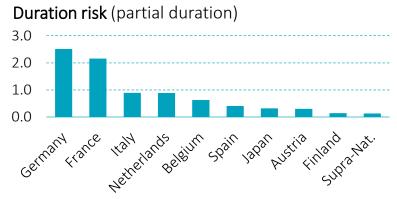


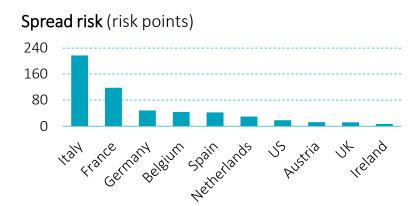
### Risk parameters

- > Tracking error
- > Correlation matrix
- Scenario analysis

### **Portfolio**







Source: Robeco, top 10 data end of June 2019.

### Portfolio dashboard and overviews



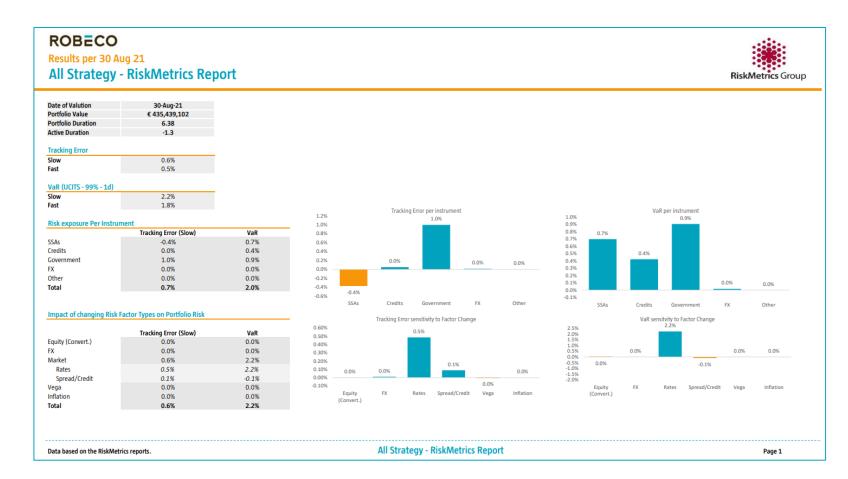
Source: Robeco. Robeco All Strategy Euro Bonds. Data end of March 2021 These examples are for information purposes only and not intended to be an investment advice in any way

# Risk Management: Total portfolio risk

# Interaction of individual components in total portfolio context

### **RiskMetrics**

- > Customized historical simulations
- > Stress tests
- Tracking error
- > VAR
- > Risk attribution
- > Liquidity and counterparty risks



# Portfolio Construction and Risk Management

# Customized FI historical simulations using RiskMetrics

# Key daily risk reports to measure Total Portfolio Risk

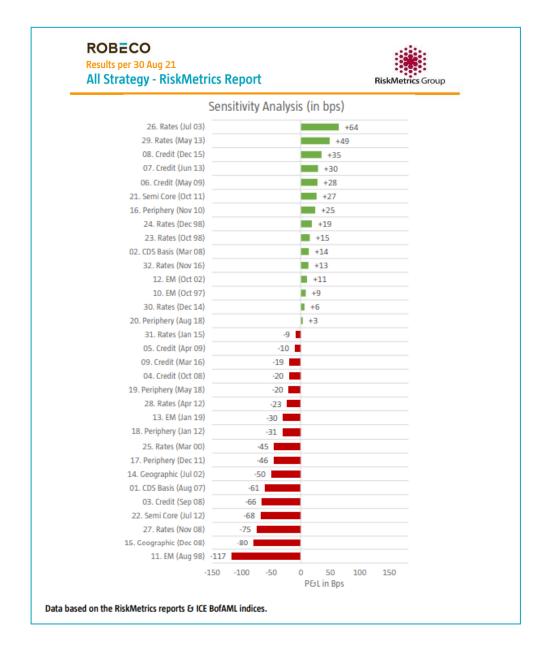
Comparison of P&L Scenarios with different portfolio as of dates

### Simulations:

 Gives PMs deeper understanding of total portfolio risk, helps componentbased sizing

### Drawdown analysis:

> Helps understand total portfolio sensitivities over a cycle / episode



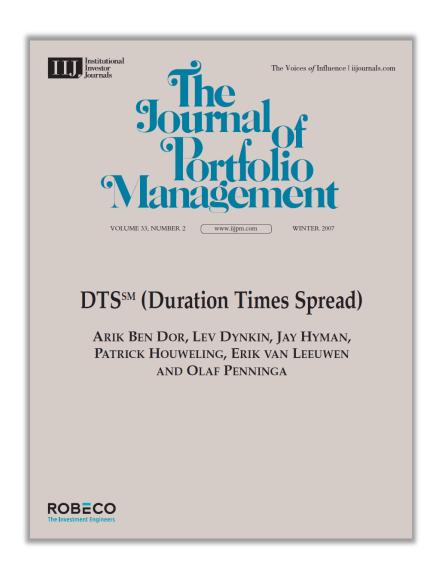


# **Duration Times Spread**

#### Robeco at forefront of DTS research

- > 2003: Robeco research shows that spreads change relatively and not absolutely
- > 2004: Robeco implements innovative credit risk modelling for IG & HY
- > 2007: Joint publication with Lehman Brothers in Journal of Portfolio Management
- > 2008: Barclays implements insight in their POINT risk model
- > 2010: Robeco incorporates DTS in Performance Attribution
- > 2013: Robeco publishes risk points white paper
- > 2014: MSCI RiskMetrics incorporates DTS in their risk monitoring system
- > 2017: Barclays incorporates DTS in their POINT Performance Attribution module

Originally from Robeco, DTS has become the market standard for credit risk



# Internal guidelines

# Robeco All Strategy Euro Bonds

Characteristics	Description
Product objective <sup>1</sup>	Outperforming reference index by 90bps per annum over a cycle
Investment universe	Government bonds and futures, investment grade corporate bonds, high yield bonds, emerging market debt bonds, interest rate- and credit derivatives
Benchmark	Bloomberg Euro Aggregate Index
Ex-ante tracking error	Between 0 to 7% over the cycle
Interest rate risk	Duration: index +/- 3 years Curvature: index +/- 3 years
Country risk	Country allocation 0-100% Min 2/3 <sup>rd</sup> invested in Euro-denominated bonds
Credit risk	Max 20% below investment grade bonds Max 20% emerging market bonds Max 20% ABS Max 20% contingent convertible bonds

<sup>1</sup>Excess return target, gross of fees, over a full cycle. In reality costs (such as management fees and other costs) are charged. These have a negative effect on the returns shown.

Source: Robeco. These internal guidelines determined by Robeco are subject to charge without prior notice. The restriction in the prospectus are at all times leading. The prospectus is available on request and free of charge from www.robeco.com

# Execution: Making sure portfolio managers can focus on their portfolio

### Strong support team

- > Technical Portfolio Managers: performance attribution, implementation of regulation, infrastructure
- > Operational Portfolio Mangers: monitoring, rebalancing, pre-trade calculations
- > Traders: execution in close contact with Portfolio Managers, counterparty contacts

### Excellence in execution backed by proprietary trading cost analysis

- Using state of the art trading systems and tooling
- > Adapting to changing regulations
- > Beating market indicators in realized trading costs based on proprietary TCA analysis

### Providing wide access to liquidity

- > Access to a wide range of liquidity sources by using over 50 counterparties
- > Connected to main major trading platforms Bloomberg, Tradeweb, MarketAxess, Neovest
- > Connected to crossing platforms Market Axess Open Trading, Tradeweb AiEX, ICAP TrueQuote

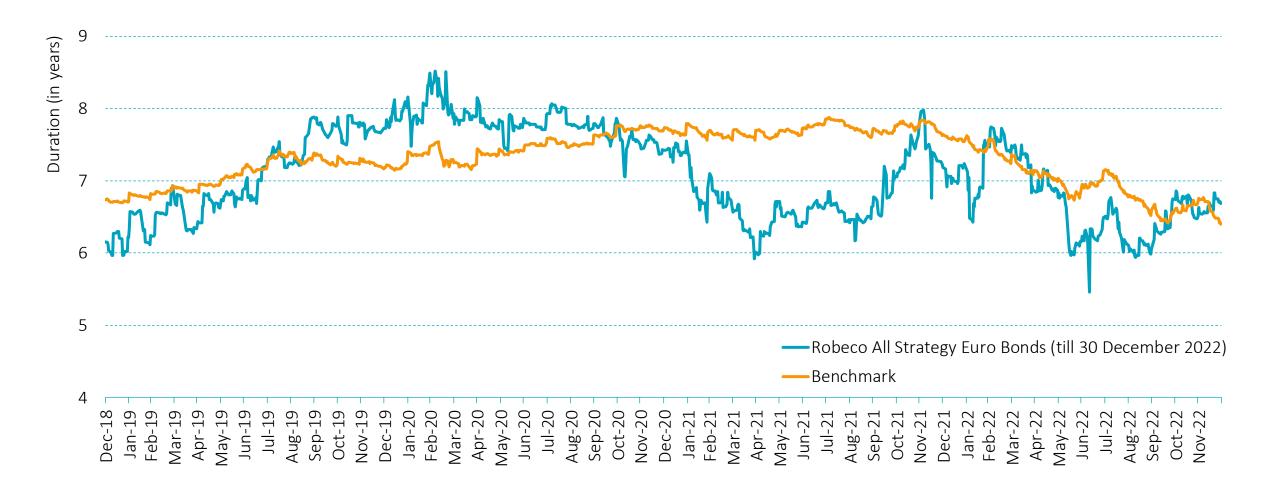


# Portfolio Positioning

# Positioning: Key highlights

- > OW duration US Treasuries and UK Gilts, mainly cross-market versus Germany, Australia and Canada
- > Long China (CGB) versus short Japan (JGB) Both countries clearly in a different part of the cycle
- > Curve steepener in EUR, EUR 10s30s steepener as curve is inverted
- > Curve steepener in US, US 2s10s steepener as curve is inverted
- > Curve flattener in Japan, JGB 10s30s flattener; very steep curve as 10s are capped due to YCC
- > No EUR HY, corporate beta slightly below 1, Eur credit not priced for upcoming recession
- > Bought protection in US, protection bought in CXD HY and CX IG as FED continues to tighten
- > Long UK corporate IG, bought basket of UK IG bonds after recent sharp repricing in UK corporates
- > Overweight Euro Government related versus underweight EM Hard currency spreads
- > Long swap spreads versus government bonds, level swapspread at multiyear wide, not seen since 2012 (Eurocrisis)
- > Cautious cyclical FX: long USD and JPY versus short in KRW, MXN and IDR

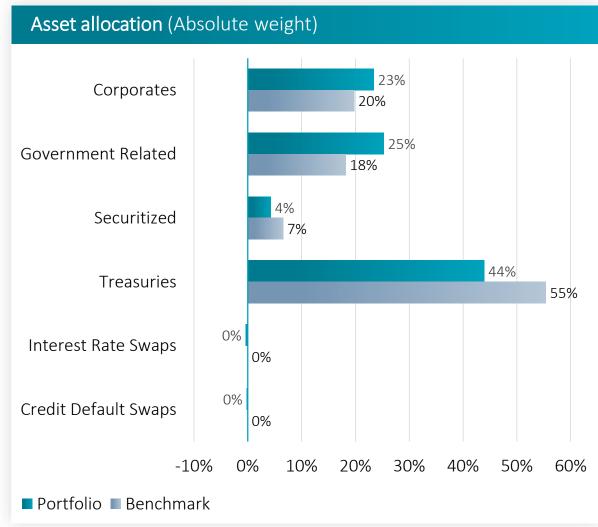
# Positioning: Duration

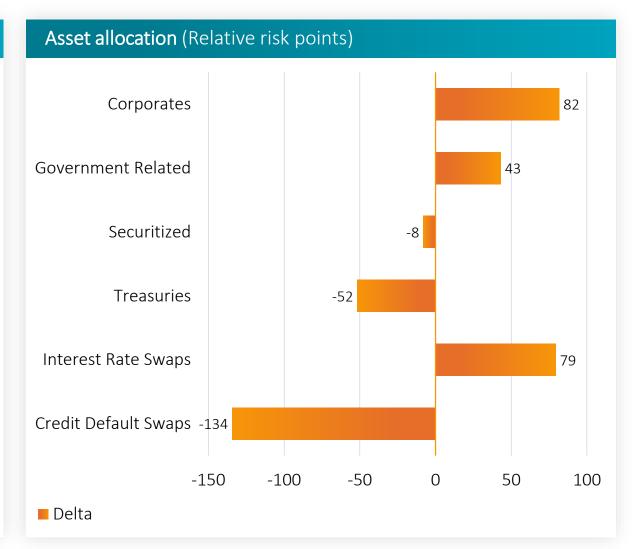


Source: Robeco. Robeco All Strategy Euro Bonds. Benchmark: Bloomberg Euro Aggregate.
These examples are for information purposes only and not intended to be an investment advice in any way

# Positioning: Asset allocation

# Robeco All Strategy Euro Bonds





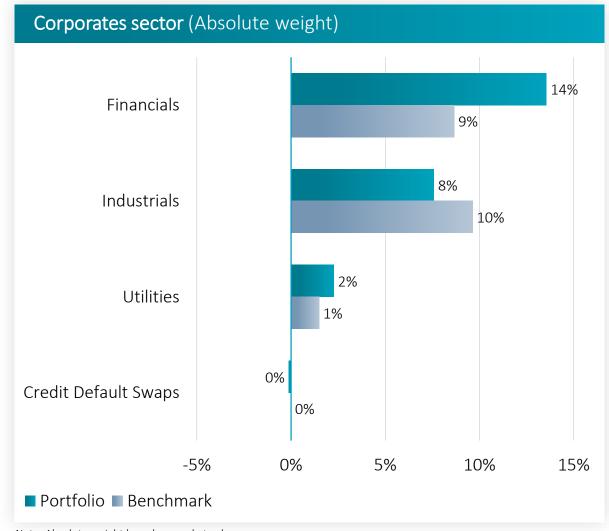
Note: Absolute weight based on market value. Cash and FX Forwards not included.

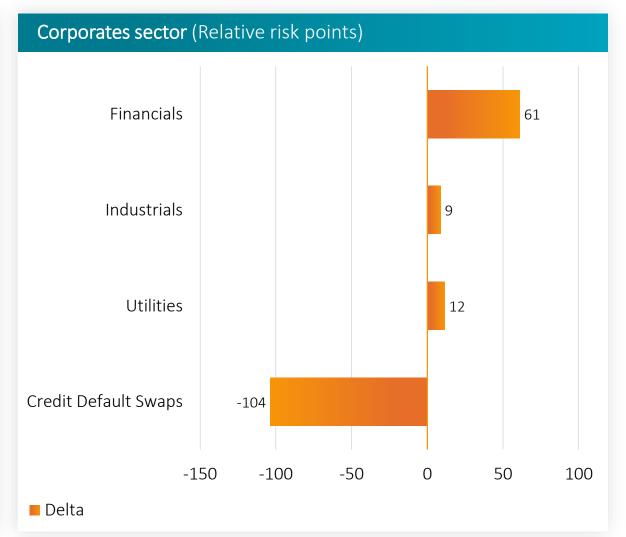
Source: Robeco, Bloomberg. Portfolio: Robeco All Strategy Euro Bonds. Benchmark: Bloomberg Euro Aggregate Index. Data end of December 2022. This example is for information purposes only and not intended to be an investment advice in any way.



# Positioning: Corporates allocation

# Robeco All Strategy Euro Bonds



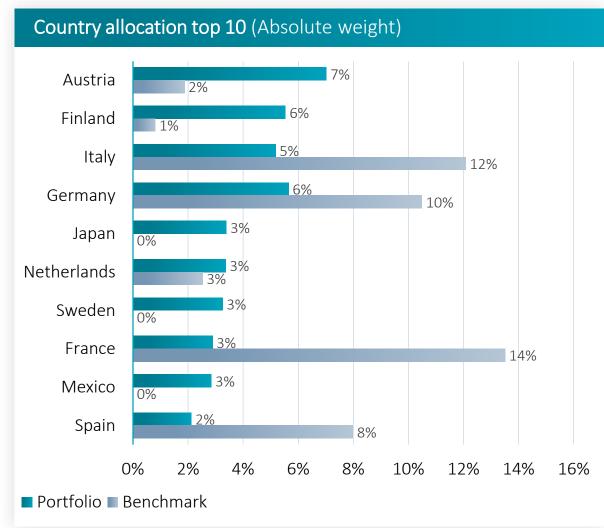


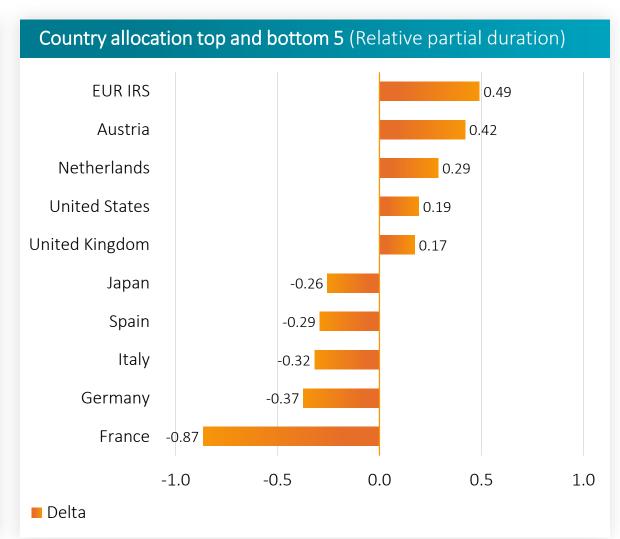
Note: Absolute weight based on market value.

Source: Robeco, Bloomberg. Portfolio: Robeco All Strategy Euro Bonds. Benchmark: Bloomberg Euro Aggregate Index. Data end of December 2022. This example is for information purposes only and not intended to be an investment advice in any way.

# Positioning: Government allocation by country

## Robeco All Strategy Euro Bonds





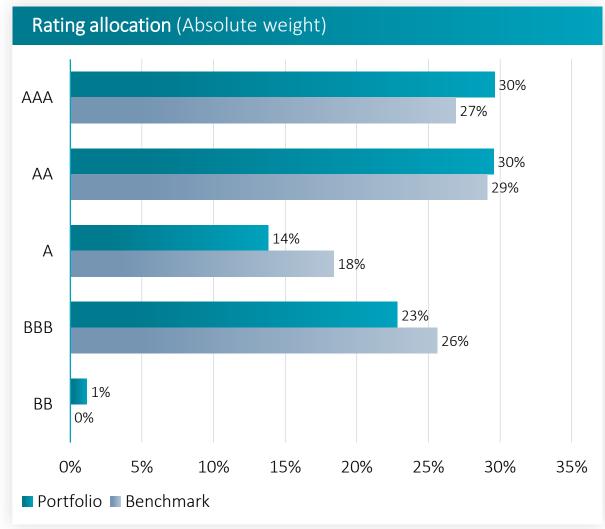
Note: Absolute weight based on market value, excluding derivatives. Relative partial duration shown including derivatives.

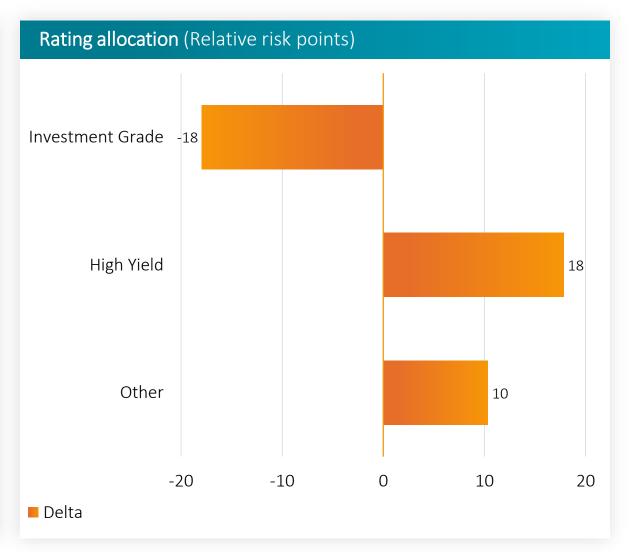
Source: Robeco, Bloomberg. Portfolio: Robeco All Strategy Euro Bonds. Benchmark: Bloomberg Euro Aggregate Index. Data end of December 2022. This example is for information purposes only and not intended to be an investment advice in any way.



# Positioning: Rating allocation

## Robeco All Strategy Euro Bonds





Note: Absolute weight based on market value. Other includes Not Rated, Bond Futures, Interest Rate Swaps.

Source: Robeco, Bloomberg. Portfolio: Robeco All Strategy Euro Bonds. Benchmark: Bloomberg Euro Aggregate Index. Data end of December 2022.

This example is for information purposes only and not intended to be an investment advice in any way.

# Positioning: Characteristics

# Robeco All Strategy Euro Bonds

Characteristics	Portfolio	Benchmark	Difference
Yield to Worst (Hedged to EUR)	0.0%	3.4%	-3.4%
Yield to Worst (Hedged to USD)	0.0%	6.0%	-6.0%
Yield to Worst (Hedged to GBP)	0.0%	5.2%	-5.2%
Interest rate duration (OAD in years)	0.0	6.4	-6.4
DTS beta	0.00	1.00	
Numbers of issuers	0	1,024	
Average rating		AA3/A1	

# Performance

### Performance

### Robeco All Strategy Euro Bonds

Annualized performance (Hedged into EUR)						
	YTD	1 Year	3 Years	5 Years	10 Years	Since Mar-99
Robeco All Strategy Euro Bonds	-17.01%	-17.01%	-4.45%	-1.51%	1.12%	3.33%
Benchmark	-17.17%	-17.17%	-5.75%	-2.28%	0.61%	3.05%
Relative performance	0.16%	0.16%	1.30%	0.78%	0.51%	0.28%
Tracking error		0.93%	1.30%	1.08%	0.91%	1.24%
Information ratio		0.17	1.00	0.72	0.56	0.22

Calendar year performance (Hedged into EUR)						
	2022	2021	2020	2019	2018	2017
Robeco All Strategy Euro Bonds	-17.01%	-2.50%	7.81%	6.28%	-0.02%	0.68%
Benchmark	-17.17%	-2.85%	4.05%	5.98%	0.41%	0.68%
Relative performance	0.16%	0.35%	3.77%	0.29%	-0.43%	0.00%

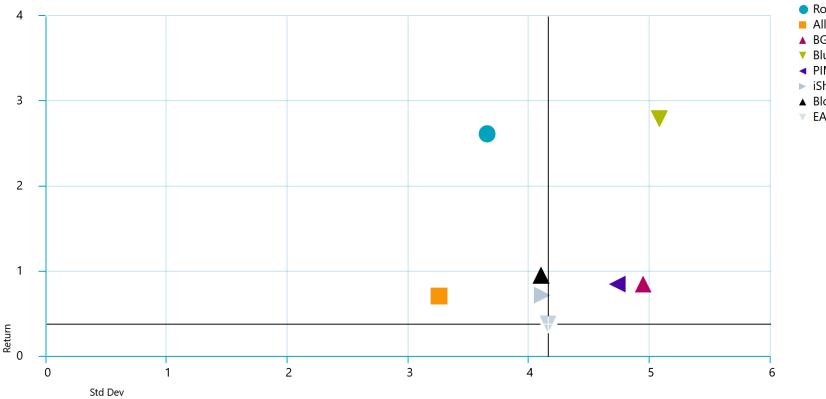
The currency in which the past performance is displayed may differ from the currency of your country of residence. Due to exchange rate fluctuations the performance shown may increase or decrease if converted into your local currency. Periods shorter than one year are not annualized. The value of your investments may fluctuate. Past performance is no guarantee of future results. Returns gross of fees, based on gross asset value. In reality costs (such as management fees and other costs) are charged. These have a negative effect on the returns shown.

Source: Robeco, Bloomberg. Portfolio: Robeco All Strategy Euro Bonds I-EUR Share Class. Benchmark: Bloomberg Euro Aggregate Index. All figures in EUR. Data end of December 2022.

# Robeco All Strategy Euro Bonds

### Risk/return results in volatile markets

### **Risk Reward**



- Robeco All Strategy Euro Bonds FH €
- Allianz Advanced Fixed Inc Euro W EUR
- ▲ BGF Euro Bond D2
- ▼ BlueBay Inv Grd Euro Aggt Bd C EUR
- ◄ PIMCO GIS Euro Bond Investor EUR Acc
- iShares € Aggregate Bond ETF EUR Dist
- ▲ Bloomberg Euro Agg Bond TR EUR
- EAA Fund EUR Diversified Bond

The currency in which the past performance is displayed may differ from the currency of your country of residence. Due to exchange rate fluctuations the performance shown may increase or decrease if converted into your local currency. The value of your investments may fluctuate. Past performance is no guarantee of future results. Returns gross of fees, based on gross asset value. In reality costs (such as management fees and other costs) are charged. These have a negative effect on the returns shown.

Source: Morningstar Direct

Calculation Benchmark: Bloomberg Euro Aggregate Index. Data 1 January 2020 – 30 September 2021

# Credit allocation using philosophy: Value, Contrarian, Asymmetry, Segmentation

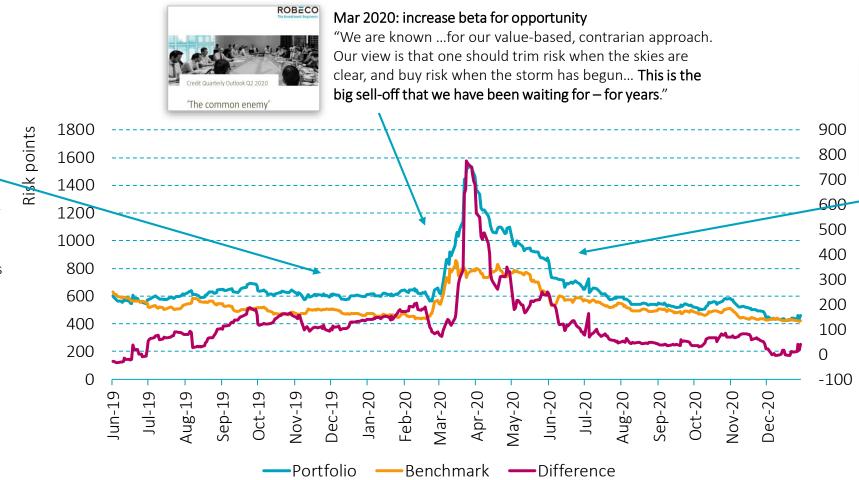
### Managing H1 2020 volatility: Before, During, After

### Spread product investing requires patience and a genuinely strategic investment horizon



# Dec 2019: Risk points close to home

"In credit, market liquidity could become an issue... in markets, what goes up, eventually goes down. It is usually a matter of waiting for a normal recession or a sharper earnings decline which is too big to ease away quickly"





Jun 2020: take profits
"After extremes in
euphoria in January
and risk aversion in
March, the latest
wave of euphoria into
July prompts us to
take profits and
adopt a patient
stance for the next
potential wave of
volatility."

Source: Robeco. Portfolio: Robeco All Strategy Euro Bonds. Benchmark: Bloomberg Euro Aggregate. These examples are for information purposes only and not intended to be an investment advice in any way

# **Key Takeaways**

# Research driven approach

- > Macro strategists providing continuous input to the investment process
- > Input from dedicated industry-leading Quant, ESG and Credit analysts
- > Pioneers in developing innovative investment & risk models

# Contrarian investment style

- > Market inefficiencies cause dislocation opportunities in value and risk premia
- > We take well-researched non-consensus positions to capture mispriced value
- > Broad opportunity with diversified allocation across selected countries and sectors

### Experienced Team

- > Average of 20 years of experience
- > Integrated team of global rates, euro sovereigns, credit and multi-asset specialists
- > Award-winning credit team, with proven process and performance through the credit cycle

Appendix

# Risk Management: Key part of investment process

# Internal guidelines

Type of risk		Portfolio implementation
Corporate risk	Concentration limits	Diversified investment approach, focus on avoiding losers
Country Risk	Creditworthiness of the individual countries	Regular country committees to discuss in-depth analysis
Market Risk	Interest rate risk Ex-ante tracking error	Duration between 2 and 8 years 0-7%
Liquidity Risk	Maximum exposure single issue Minimum issue size Well diversified portfolio	No more than 10% of outstanding EUR 100m Always buffer of liquid Treasuries in portfolio
Counterparty Risk	Interest Rate Swaps Credit Default Swaps Currency forwards contracts	Central clearing Covered by ISDAs and CSAs (daily exchange of cash collateral) Approved Counterparty List (rated A or higher)
Operational Risk	Monitoring by Group Risk Management Group Compliance Charles River Trading System warning signals	Independent supervision Automated pre- and post-trade guideline compliance system
Currency Risk	Currency hedged	EUR share class, room for active currency policy

Source: Robeco

These internal guidelines determined by Robeco are subject to change without prior notice. The restriction in the prospectus are at all times leading. The prospectus is available on request and free of charge from www.robeco.com

### Robeco All Strategy Euro Bonds

### **SFDR Classification**

**Article 8:** The fund promotes environmental and/or social characteristics.

### **Sustainability Risk Profile**

Corporate sustainability risk (overall) profile: low Government sustainability risk (overall) profile: very low

### **Taxonomy alignment**

The fund intends to contribute to all environmental objectives under the EU Taxonomy via the investments in green bonds. The fund commits to a minimum share of 0% of Taxonomy-aligned activities.

### Fund specific disclosures including PAIs considered

Please refer to prospectus and SFDR disclosures publicly available via Robeco's website

### Binding elements to attain the environmental and/or social characteristics promoted by the fund

The fund has the following binding elements:

1. The fund invests a minimum of 5% in green, social, sustainable, and/or sustainability-linked bonds

The fund has the following binding elements to attain the E/S characteristics for the corporate bonds (including government owned but not guaranteed):

- 2. The fund's portfolio complies with Robeco's Exclusion Policy (https://www.robeco.com/docm/docu-exclusion-policy.pdf) that is based on exclusion criteria that Robeco believes are detrimental to society and incompatible with sustainable investment strategies. This means that the fund has 0% exposure to excluded securities, taking into account a grace period. Information with regards to the effects of the exclusions on the fund's universe can be found at https://www.robeco.com/docm/docu-exclusion-list.pdf.
- 3. Investments with an elevated sustainability risk are defined by Robeco as companies with an ESG Risk Rating of 40 and higher. The fund is limited to a maximum exposure of 3% to investments with an elevated sustainability risk, based on the market weight in the portfolio taking into account regional differences and benchmark. Each investment with an ESG Risk rating of higher than 40 requires separate approval by a dedicated committee of SI specialists, compliance and risk management that oversees the bottom-up sustainability analysis.
- 4. The fund scrutinizes investment in companies that are in breach of the ILO standards, UNGPs, UNGC or OECD Guidelines for Multinational Enterprises. If a company in the portfolio breaches one of the international guidelines during the investment period, the company will become part of the Enhanced Engagement program. When engagement is deemed highly unlikely to succeed, the company might be excluded directly.

The fund has the following binding elements to attain the E/S characteristics for the government and government-related bonds (excluding government owned but not guaranteed):

- 5. The fund's portfolio complies with Robeco's Exclusion Policy (https://www.robeco.com/docm/docu-exclusion-policy.pdf) that is based on exclusion criteria that Robeco believes are detrimental to society and incompatible with sustainable investment strategies. This means that the fund has 0% exposure to excluded securities, taking into account a grace period. Information with regards to the effects of the exclusions on the fund's universe can be found at https://www.robeco.com/docm/docu-exclusion-list.pdf.
- 6. The fund's portfolio has a minimum weighted average score of at least 6 on the Country Sustainability Ranking.
- 7. The fund excludes sovereign bonds issued by the bottom 15% of the WGI Control of Corruption ranking.

For more information, refer to the sustainability-related disclosure on Robeco's website.

Excerpt from SFDR-related disclosures (not exhaustive)

(2/2)

### Robeco All Strategy Euro Bonds

### Sustainability policies and methodologies

### All SFDR-related policies and methodologies:

https://www.robeco.com/en/key-strengths/sustainable-investing/sustainability-reports-policies.html

**Good governance:** <a href="https://www.robeco.com/docm/docu-robeco-good-governance-policy.pdf">https://www.robeco.com/docm/docu-robeco-good-governance-policy.pdf</a>

#### Principal Adverse Impact Statement:

 $\underline{\text{https://www.robeco.com/docm/docu-robeco-principal-adverse-impact-statement.pdf}}$ 

#### Asset allocation

At least 90% of the investments are aligned with the E/S characteristics of the fund. The fund plans to make a minimum of 5% sustainable investments, measured by either being positive scores via Robeco's SDG Framework or investments in green, social, sustainable or sustainability-linked bonds. The investments in the category Other, estimated between 0-10%, are mostly in cash and cash equivalents. The planned asset allocation is monitored and evaluated on a yearly basis.

### Dedicated reference benchmark for E/S characteristics

There is no reference benchmark designated for the purpose of attaining the environmental or social characteristics promoted by the fund.

# Avoiding products and business practices detrimental to society

# Enhanced and transparent exclusion process

		Exclusion category	Measure for screening	Level 1 'Exclusions' criteria	Level 2 'Exclusions+' criteria
		Controversial behavior	ILO, UNGP, UNGC and OECD compliance $^{EE}$	Subject to engagement <sup>1</sup>	Fail test
	Behavior-based	Climate standards	Engagement on Robeco's Paris Alignment assessment <sup>EE</sup>	Subject to engagement <sup>1</sup>	Fail test
	Benavior-pased	Good governance	Robeco's Good Governance test <sup>EE</sup>	Subject to engagement <sup>1</sup>	Fail test
		AML/CTF	Robeco's KYA assessment based on AML/CTF criteria	Fail test	Fail test
		Controversial weapons	Revenues from production, key components or services	≥ 0%	≥ 0% <sup>2</sup>
0	\\\.	Military contracting	Revenues from weapon-related products or services	Not applicable	≥ 5%
	Weapons	F	Revenues from production	Not applicable	≥ 5%
	Firearms	Firearms	Revenues from retail	Not applicable	≥ 10%
XCIO		Thermal coal	Revenues from coal extraction/mining	≥ 20%	≥ 20%
are e			Revenues from coal power generation	≥ 20%	≥ 20%
duct-based	Product-based Fossil fuels <sup>2</sup>		Coal power expansion plans in MW (pro rata) <sup>EE</sup>	≥ 300 MW <sup>4</sup>	≥ 300 MW
S   Dool		Arctic drilling	Revenues from extraction	≥5%	≥ 5%
		Oil sands	Revenues from extraction	≥ 10%	≥ 10%
		Palm oil	RSPO-certified hectares of land at plantation EE	≤ 50%	≤ 80%
	Other products	Other products Tobacco	Revenues from production	≥ 0%	≥ 0%
			Revenues from retail	≥ 10%	≥ 10%
			Revenues from related products/services	≥ 50%	≥ 50%
Sovereig	n exclusion criteria	Countries	Robeco's Country Exclusion test	Fail test	Fail test

# Other exclusions

- Paris-aligned benchmarks (EU Benchmark Regulation)
- FeBelFin 'Towards Sustainability'
- > Sanctions



EE Enhanced Engagement: The exclusion criteria are linked to Robeco's enhanced engagement program.

<sup>1)</sup> Companies may be subject to engagement before exclusion. In such cases, exclusion is triggered if the engagement is unsuccessful. If engagement is deemed undesired, companies will be subject to direct exclusion. The extent to which engagement is deemed desired is based on the exclusion category and factors such as engageability, relevance, and regulatory compliance.

<sup>2)</sup> The scope under the Level 2 criteria also covers companies involved in nuclear weapons from so-called 'Nuclear States' (US, UK, France, Russia and China) as defined in the Treaty on the Non-Proliferation of Nuclear Weapons (1968)

<sup>3)</sup> Investments in green bonds from issuers excluded under one of the climate-related categories remain eligible

<sup>4)</sup> Companies under climate-related enhanced engagement remain eligible.

# UN PRI Scorecard: Strong scores for all modules versus our peers

- > Since the launch of the UN PRI assessments in 2014 Robeco obtained high scores in every assessment
- > Robeco's scores are often much higher than the median scores of our peers

### Sustainability is a driver of change

- It impacts companies' longterm performance
- For us, it leads to betterinformed investment decisions
- For fixed income investors it is an extra 'lens' to spot downside risk

No.	Module	Robeco score	Median score
1.	Senior Leadership Statement	Not scored	
2.	Organisational Overview	Not scored	
3.	Sustainability Outcomes	Not scored	
4.	Investment & Stewardship	100%	
5.	Direct - Listed Equity	Robeco score	Median score
5.1	Listed equity – Active Fundamental – Incorporation	97% ★★★★	
5.2	Listed equity – Active Fundamental – Voting	<b>74%¹</b> ★★★☆	•
5.3	Listed equity – Active Quantitative – Incorporation	96% ★★★★	•
5.4	Listed equity – Active Quantitative – Voting	<b>74%¹</b> ★★★☆	
6.	Direct - Fixed income	Robeco score	Median score
6.1	Fixed Income - Corporate	100% ★★★★	
6.2	Fixed Income – SSA	100% ★★★★★	

Source: PRI Assessment report 2021, showing the applicable Robeco scores. Due to methodology changes by the PRI, scores are not comparable with previous years. More information on <a href="www.unpri.org">www.unpri.org</a>
1. Gap primarily related to not publishing rationales for voting against management publicly. This was implemented by Robeco shortly after submitting the PRI assessment input. More information on our <a href="www.unpri.org">website</a>.

About the PRI: The United Nations-supported PRI initiative is an international network of investors working together to put the six Principles for Responsible Investment into practice. Its goal is to understand the implications of sustainability for investors and support signatories to incorporate these issues into their investment decision making and ownership practices. In line with Principle 6, the PRI signatories must "report on their activities and progress towards implementing the Principles". Signatories are scored for each UN PRI principle and the scores are measured against those of other investment managers that have signed the PRI. Please also see the Public Transparency Report for Robeco at unpri.org.

### Continuous input communication structure

Decision making is based on daily informal communication in combination with regular team meetings

Regular meetings Monday Tuesday Wednesday Thursday Friday Cross asset Desk meeting Desk meeting Desk meeting Desk meeting **Fixed Income** Rates Spread Macro Country and **Quarterly Outlook** sector meetings Market Round Markets meeting Markets meeting (weekly) (weekly) (quarterly) (monthly) (weekly) Top down view Update credits and Cross asset market Update Global Rates Review of country of market regimes and FX view Eurozone periphery view developments and issuer exposures and risk allocation

> Weekly meeting on each of the performance drivers

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Generally, no offer or sale of the Shares is permitted in Malaysia unless where a Recognition Exemption or the Prospectus Exemption applies: NO ACTION HAS BEEN, OR WILL BE, TAKEN TO COMPLY WITH MALAYSIAN LAWS FOR MAKING AVAILABLE, OFFERING FOR SUBSCRIPTION OR PURCHASE, OR ISSUING ANY INVITATION TO SUBSCRIBE FOR OR PURCHASE OR SALE OF THE SHARES IN MALAYSIA OR TO PERSONS IN MALAYSIA AS THE SHARES ARE NOT INTENDED BY THE ISSUER TO BE MADE AVAILABLE, OR MADE THE SUBJECT OF ANY OFFER OR INVITATION TO SUBSCRIBE OR PURCHASE, IN MALAYSIA. NEITHER THIS DOCUMENT NOR ANY DOCUMENT OR OTHER MATERIAL IN CONNECTION WITH THE SHARES SHOULD BE DISTRIBUTED, CAUSED TO BE DISTRIBUTED OR CIRCULATED IN MALAYSIA. NO PERSON SHOULD MAKE AVAILABLE OR MAKE ANY INVITATION OR OFFER OR INVITATION TO SELL OR PURCHASE THE SHARES IN MALAYSIA UNLESS SUCH PERSON TAKES THE NECESSARY ACTION TO COMPLY WITH MALAYSIAN LAWS.

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The funds have not been and will not be registered with the National Registry of Securities, maintained by the Mexican National Banking and Securities Commission and, as a result, may not be offered or sold publicly in Mexico. Robeco and any underwriter or purchaser may offer and sell the funds in Mexico on a private placement basis to Institutional and Accredited Investors, pursuant to Article 8 of the Mexican Securities Market Law.

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#### Additional Information for investors with residence or seat in Spain

Robeco Institutional Asset Management B.V., Sucursal en España with identification number W0032687F and having its registered office in Madrid at Calle Serrano 47-14°, is registered with the Spanish Commercial Registry in Madrid, in volume 19.957, page 190, section 8, sheet M-351927 and with the National Securities Market Commission (CNMV) in the Official Register of branches of European investment services companies, under number 24. The investment funds or SICAV mentioned in this document are regulated by the corresponding authorities of their country of origin and are registered in the Special Registry of the CNMV of Foreign Collective Investment Institutions marketed in Spain.

#### Additional Information for investors with residence or seat in South Africa

Robeco Institutional Asset Management B.V. is registered and regulated by the Financial Sector Conduct Authority in South Africa.



### Robeco Institutional Asset Management B.V.

#### Additional Information for investors with residence or seat in Switzerland

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#### Additional Information relating to RobecoSAM-branded funds/services

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#### Additional Information for investors with residence or seat in Thailand

The Prospectus has not been approved by the Securities and Exchange Commission which takes no responsibility for its contents. No offer to the public to purchase the Shares will be made in Thailand and the Prospectus is intended to be read by the addressee only and must not be passed to, issued to, or shown to the public generally.

#### Additional Information for investors with residence or seat in the United Arab Emirates

Some Funds referred to in this marketing material have been registered with the UAE Securities and Commodities Authority (the Authority). Details of all Registered Funds can be found on the Authority's website. The Authority assumes no liability for the accuracy of the information set out in this material/document, nor for the failure of any persons engaged in the investment Fund in performing their duties and responsibilities.

#### Additional Information for investors with residence or seat in the United Kingdom

Robeco is temporarily deemed authorized and regulated by the Financial Conduct Authority. Details of the Temporary Permissions Regime, which allows EEA-based firms to operate in the UK for a limited period while seeking full authorization, are available on the Financial Conduct Authority's website.

#### Additional Information for investors with residence or seat in Uruguay

The sale of the Fund qualifies as a private placement pursuant to section 2 of Uruguayan law 18,627. The Fund must not be offered or sold to the public in Uruguay, except under circumstances which do not constitute a public offering or distribution under Uruguayan laws and regulations. The Fund is not and will not be registered with the Financial Services Superintendency of the Central Bank of Uruguayan. The Fund corresponds to investment funds that are not investment funds regulated by Uruguayan law 16,774 dated September 27, 1996, as amended.

