





RO: 3038967 / 2023

# **Risk Warnings**

#### For complete information on risks, refer to the legal documents.

The value of investments and any income will fluctuate (this may partly be the result of exchange-rate fluctuations) and investors may not get back the full amount invested.

Debt instruments are exposed to credit risk which is the ability of the borrower to repay the interest and capital on the redemption date.

Changes in interest rates will result in fluctuations in the value of the fund.

The fund uses derivatives (complex instruments) for investment purposes, which may result in the fund being significantly leveraged and may result in large fluctuations in the value of the fund.

Investment in instruments providing exposure to commodities is generally considered to be high risk which may result in large fluctuations in the value of the fund.

The Fund may invest in a dynamic way across assets/asset classes, which may result in periodic changes in the risk profile, underperformance and/or higher transaction costs.



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# **Invesco Global Asset Allocation Team**



# **Invesco Global Asset Allocation (GAA)**

# Global multi-asset, macro-focused team creating purpose-built portfolios

\$21.2B

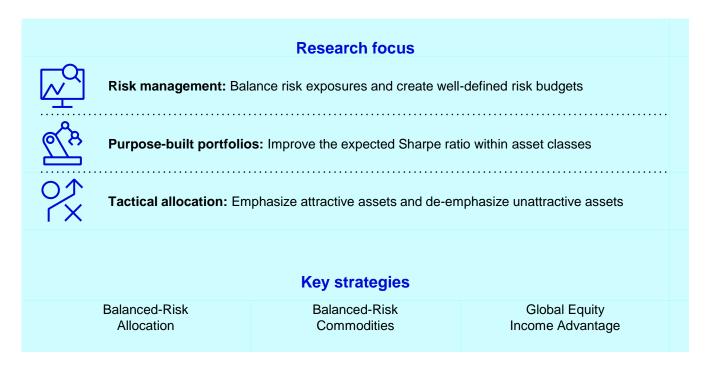
assets under management

# Depth & Knowledge

23 years average industry experience

## **Co-Investment**

broad ownership of strategies across the team



Source: Invesco as of 06/30/23. There is no guarantee objectives will be met.



# Overview - Invesco Balanced-Risk Allocation Fund



# **Invesco Balanced-Risk Allocation Fund**Key fund features

1	Three asset classes – one fund	<ul> <li>The Invesco Balanced-Risk Allocation Fund offers investors a strategic, globally diversified portfolio that invests in three different macro factors that are represented by multiple asset classes. For efficient portfolio management purposes, the exposure to the various asset classes is achieved by using derivatives</li> </ul>
2	Balance is the key to success	<ul> <li>The fund follows a portfolio construction technique which aims to balance the risk contribution of the three underlying macro factors equally. The goal of the investment team is to generate equity-like returns, but with a lower risk profile over an investment horizon of three to five years<sup>1</sup>. What should investors get out of this? A less nerve-racking investment experience for their portfolio</li> </ul>
3	Investment team	<ul> <li>The investment team based in Atlanta includes experts who specialise in managing mixed-asset portfolios and risk-focused strategies. The team's average experience in the investment industry is 25 years. As at 31 December 2022, the team managed assets in excess of US\$22.1 billion</li> </ul>

There is no guarantee this target will be achieved Source: Invesco, as at 31 December 2022.



# Scott E. Wolle Fund manager



Scott E. Wolle

"Those who want to successfully invest their money are well advised not to put all their eggs in one basket. Investors should diversify their investments across several asset classes. The key is to get risk and return into the right balance."

Scott E. Wolle, Fund manager

# Invesco Balanced-Risk Allocation Fund Fund facts

Fund name	Invesco Balanced-Risk Allocation Fund
Fund objectives	The Funds objective is to provide total return with low to moderate correlations relative to traditional financial market indices, by gaining exposure to three asset classes: debt securities, equities, and commodities. The overall risk of the Fund is intended to be consistent with that of a balanced portfolio of equity and debt securities. Derivative instrument positions will not exceed 300% <sup>1</sup>
Launch date	1 September 2009
Domicile	Luxembourg
Legal structure	Luxembourg SICAV with UCITS status
Base currency	EUR
Unit type	Accumulation and distribution
Reference benchmark	50% FTSE German Government Bond 10 Years+ Index (Total Return), 25% MSCI World Index EUR-Hedged (Net Total Return) & 25% S&P Goldman Sachs Commodity Index EUR-Hedged (Total Return)

			Annual		
Share class	Unit type	Share class ccy	management fee	Minimum investment	ISIN code
Z	Acc	EUR	0.62%	EUR 1,000	LU0955861710

#### There may be additional share classes<sup>2</sup> registered for sale in individual jurisdictions.

- 1 For the full objectives and investment policy please consult the current prospectus.
- 2 For information on fund and fund's shares registrations, please refer to the appropriate internet site or your local Invesco office. Not all share classes are the same nor do they necessarily suit every investor. There may be differences in fee structures, in minimum investment amounts, etc. Please check the fund prospectus for additional information.

Costs may increase or decrease as result of currency and exchange rate fluctuations. Consult the legal documents for further information on costs.

The investment concerns the acquisition of units in an actively managed fund and not in a given underlying asset.



# **Investment philosophy and process**



# Invesco Balanced-Risk Allocation Strategy Investment objective

## **Strategy objectives**

- Maximize the Sharpe ratio capitalize on the benefits of diversification
- Outperform traditional balanced portfolios
- Flexible risk targets (6% 18%)
- Consistent returns in various economic environments.

### **Additional benefits**

- Daily liquidity
- No lock-up
- High capacity
- High transparency

Please see the derivatives and leverage risk disclosures in the additional information section of this document. Although every effort will be made, it cannot be guaranteed that the stated targets will be reached.



# Invesco Balanced-Risk Allocation Strategy Investment process

# **Strategic** Focus on Economic Diversification **Asset Selection** Purpose-built macro factor exposures Use of highly liquid assets Balance risk across macro factors **Portfolio Construction** Minimizes risk of large drawdowns **Tactical** Goal of capturing additional return with tactical allocation **Tactical Allocation** Adaptive to the current market environment Target ex-ante risk of 2%

Source: Invesco. Diversification does not guarantee a profit or eliminate the risk of loss.



## Step one: Macro factor diversification framework and objectives

### **Real Return**

High correlation with unexpected inflation

## **Exposure**

- · Commodities
  - Agriculture
  - Energy
  - Industrial Metals
  - Precious Metals



#### Growth

· Positive beta to real economic growth

## **Exposure**

- · Public Market Equities
  - Developed
  - Emerging

### **Defensive**

Effective "shock absorber" during recessions and crises

## **Exposure**

- Long-Term Government Bonds (FX hedged)
- Equity Index Options
- Equity Factors

Source: Invesco analysis. For illustrative purposes only. Asset allocation/diversification does not guarantee a profit or eliminate the risk of loss. There can be no assurance that stated objectives will materialize.



## Step one: Purpose-built macro factor exposures

### Growth

#### Valuation-based allocation:

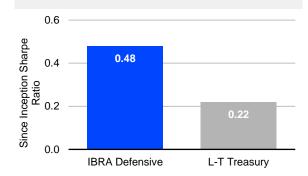
- Determine whether assets are attractively priced relative to fundamentals, peers, and their own histories
- · Emphasize undervalued markets



### **Defensive**

#### Multiple levels of defense:

- Long-duration government bonds
- Equity factor premia
- Option-based defense



### **Real Return**

#### Focus on risk premia:

- Term structure emphasize assets that benefit from carry
- Equal risk contribution for diversification and risk control



IBRA strategic macro factor returns have attractive Sharpe ratios relative to the common benchmarks

Source: Invesco analysis. IBRA Growth, IBRA Defensive, and IBRA Real Return represent the strategic allocations to the three respective macro factors. MSCI ACWI is the MSCI All Country World Index. L-T Treasury is the Bloomberg Long Term US Treasury TR USD. BCOM is the Bloomberg Commodity Index. Time period represented: 09/30/08 – 06/30/23.

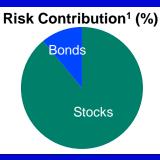


Step two: Asset weight vs. risk weight





Asset weights drive risk allocation



#### Invesco Balanced-Risk Allocation Portfolio<sup>2</sup>

### Representative Strategic Risk Contribution (%)



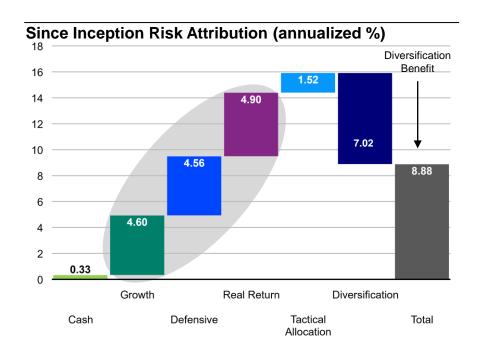
Risk allocation drives asset weights

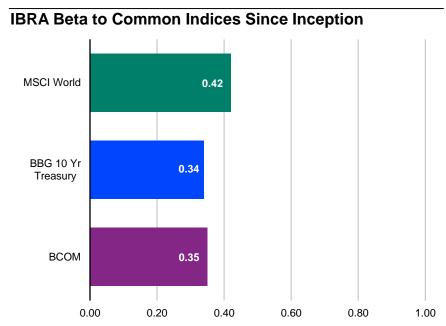


<sup>&</sup>lt;sup>1</sup> Sources: Invesco analysis and DataStream. Time period represented: 08/31/73 to 06/30/23. <sup>1</sup>Over this time period, a hypothetical portfolio of 60% stocks and 40% bonds derived 90% of its overall risk from stocks and 10% from bonds based on historical correlations and standard deviations. Bonds are represented by the Bloomberg U.S. Treasury Index and stocks are represented by the S&P 500 Index. <sup>2</sup> For illustrative purposes only. Risk contribution refers to Invesco's targeted strategic allocation whereby 1/3 of the overall targeted portfolio risk is assigned to three macro factors. Note: Growth represents cap-weighted equity beta and long put options, Defensive represents bonds and equity factor premia, and Real Return represents commodities. \*Risk target (standard deviation of monthly returns).



## Step two: Risk attribution

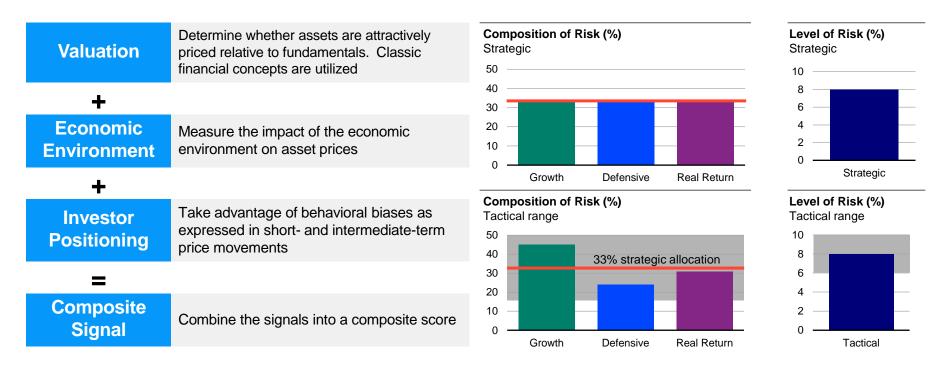




Source: Invesco analysis. Data as of 06/30/23. Composite inception: 09/30/08. MSCI World is the MSCI World Index. BBG 10 Yr Treasury is the Bloomberg US Trsy Bellwethers 10Y TR USD. BCOM is the Bloomberg Commodity Index. Note: Growth represents cap-weighted equity beta and long put options, Defensive represents bonds and equity factor premia, and Real Return represents commodities.



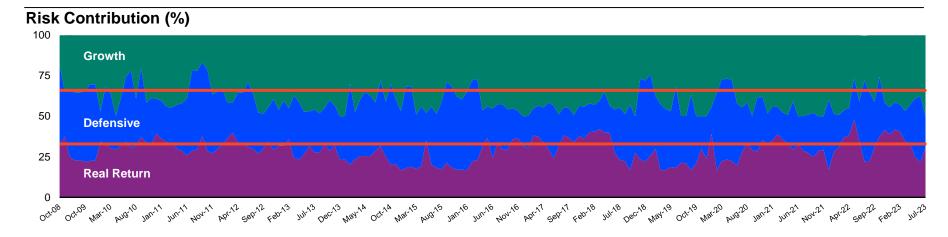
## Step three: Tactical allocation



Source: Invesco analysis. For illustrative purposes only. Although every effort will be made, it cannot be guaranteed that the stated targets will be reached. Note: Growth represents cap-weighted equity beta and long put options, Defensive represents bonds and equity factor premia, and Real Return represents commodities.



# Step three: Historical targeted risk contribution



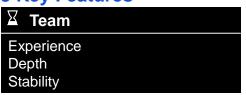
	Current (%)	Minimum (%)	Average (%)	Maximum (%)
Growth	49.99	16.73	39.59	50.00
Defensive	18.95	16.67	31.32	50.00
Real Return	31.07	16.68	29.09	48.22

Source: Invesco analysis. The risk contributions represent each macro factor as a percentage of the total portfolio standard deviation in the month in which it was implemented. For the underlying proxies within each macro factor, please see Additional Information section. Note: Growth represents cap-weighted equity beta and long put options, Defensive represents bonds and equity factor premia, and Real Return represents commodities. Data as of July 2023.



## Key features and portfolio applications

## 3 Key Features







## **Multiple Applications**

## -Щин-

#### **Conservative Core**

Balances risk of economic outcomes – allows for satellite investments with specialized managers and non-liquid asset classes.



### **Volatility Reducer**

Similar return objectives to global equities, but substantially lower volatility.



## Hedge Fund Replacement or Complement

- Has achieved return target over time.
- Offers liquidity, transparency, daily valuation, and lower cost.



#### Inflation Defense

Provides a level of defense against the return of inflation via commodities exposure.

Source: Invesco. There is no guarantee that stated objectives will be met.



# **Invesco's Commitment to ESG**A Trusted Partner in Responsible Investment

- PRI 4 stars in Investment & Stewardship Policy
- CDP, SASB, IIGCC, TCFD, AIGCC, ACGA (Asia), RIAA (Australia)
- Net Zero Asset Manager Initiative, Tsinghua University Partnership, Cambridge Judge Business School, Georgia Tech and Monash University partnerships
- Global ESG team of 29 people & dedicated resources
- Capability to manage client-specific ESG solutions through customized portfolios and products



- ESGIntel Proprietary Tool for corporates and sovereigns
- · ESGCentral portfolio analytics tool
- Climate Analytics with Vivideconomics/ PlanetView

- Engaged with 2900+ companies on ESG topics in 2022
- Lead investor in Climate Action 100+

## Our ESG investing practices are aligned to Invesco's purpose of helping people get more out of life

Source: Invesco ESG team as of June 2023.

The ESG information has been provided for illustrative purposes only. Any investment decision should take into account all the characteristics of the fund as described in the legal documents. For sustainability related aspects, please refer to <a href="https://www.invescomanagementcompany.lu">https://www.invescomanagementcompany.lu</a>



## **Our ESG Team**

# Organised across four pillars

#### **Analytics** Client Research **Proxy Proprietary ESG** Guides messaging and Provides guidance on qualitative and quantitative training for distribution governance issues Manages ESG data research teams Supports the development sources, ESG Fact Sheet Collaborates with Engages clients on ESG of PROXYintel and the Production and ESG investment teams on issues **Global Proxy Policy Monitoring** engagement Supports for product strategy **ESG Executive Steering** Committee Asset Class Specific and Investment Centre ESG

Champions

For illustrative purposes only



## **Our Proprietary Tools**

We have launched tools and systems to assist with our **research**, **portfolio reviews**, **portfolio optimization**, **engagement** and **proxy voting**.

	ESGintel	ESGCentral	Vision	FocusIntel	PROXYintel
Description of Tool	A research tool integrating third-party ESG data and Invesco's views on materiality	An ESG portfolio-level analysis platform with screening capabilities	A cloud-based portfolio management platform allowing investors to make better informed investment decisions, considering their specific ESG considerations	An updating list of highest ESG risk issuers across all of Invesco's aggregated holdings	A global knowledge-share platform tracking proxy votes and rationales across Invesco with respect to individual companies and proxy issues
Scale of Analysis	Issuer-level data	Portfolio-level data	Portfolio-level data	Issuer-level data	Issuer-level data
Outputs	<ul> <li>An overall ESG rating out of 5</li> <li>E,S, and G scores</li> <li>Peer comparison and historical comparison</li> <li>Engagement note</li> </ul>	<ul> <li>Portfolio-level ESG scores</li> <li>Portfolio screens (e.g., net-zero alignment)</li> <li>Highlights the highest risk issuers in a portfolio</li> </ul>	<ul> <li>Modelling assets and liabilities</li> <li>Portfolio optimization</li> <li>Portfolio analytics</li> </ul>	<ul> <li>A list of highest risk ESG companies</li> <li>Clear indicators of why the issuer is deemed high risk (e.g., CA100+ involvement)</li> </ul>	<ul><li>Votes cast</li><li>Vote rationales</li></ul>
Used by investment teams primarily to	Research a company's ESG profile prior to or during the investment process to integrate ESG risks into investment decisions	Analyse portfolios to understand ESG opportunities and risks compared to benchmarks using 40+ ESG Data sources. Screens portfolios for various ESG screens like net zero, Article 8	Enhance their understanding of a portfolio's risk-exposure, develop consistent return expectations, model liabilities, design optimized portfolios, evaluate portfolios taking into account investors' ESG considerations	Identify whether they have a high- risk holding and coordinate with the Global ESG team to scale a targeted engagement	View how other shareholders within Invesco have voted and share knowledge with respect to individual companies and proxy issues

Source: Invesco. The ESG information has been provided for illustrative purposes only. Any investment decision should take into account all the characteristics of the fund as described in the legal documents. For sustainability related aspects, please refer to <a href="https://www.invescomanagementcompany.lu">https://www.invescomanagementcompany.lu</a>



# Our ESG solutions ESG product categories



# Screened (/Exclusionary)

Approach: Industry sectors

or companies excluded to avoid risk or better align

#### Process

- ESG integration
- Safeguard (e.g. article 8 Exclusion framework) or client-led exclusions

### Responsible

Approach: Intentionally avoid companies or industries based on ESG characteristics

#### **Process**

- ESG integration
- Safeguards
- Enhanced exclusions (e.g. 0% conventional energy)
- Positive allocation (e.g. eliminate 30% lowest-scored companies from the universe)

#### **Sustainable**

Approach: Intentionally select companies or industries based on ESG characteristics and optimize to target a declared sustainable feature

#### Process

- · ESG integration
- · Safeguards
- Enhanced exclusions (optional)
- Positive allocation (optional)
- Best in class to achieve a declared feature / KPI (e.g. better ESG or carbon score than the benchmark, thematic approach)

## Impact investing

Approach: Includes objective to generate an intentional, measurable, and beneficial social or environmental impact. It prioritises this above financial objectives

#### **Process**

 May vary depending on the impact focus

Low benchmark tracking error primacy

Sustainability Objective Primacy

Source: Invesco as of December 2022. For illustrative purposes only. Any investment decision should take into account all the characteristics of the fund as described in the legal documents. For sustainability related aspects, please refer to <a href="https://www.invescomanagementcompany.lu">https://www.invescomanagementcompany.lu</a>

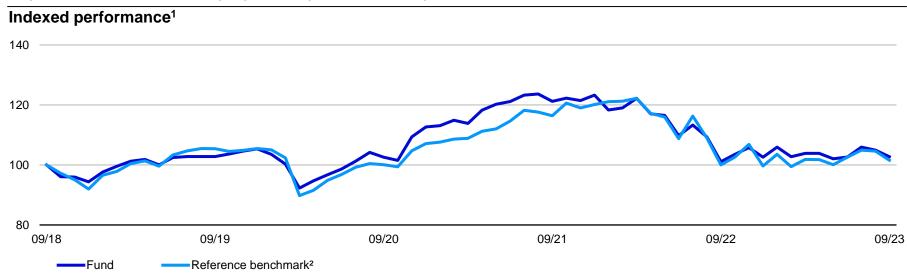


# Portfolio performance and positioning



# Invesco Balanced-Risk Allocation Fund Indexed performance

The performance data shown relates to a past period. Past performance does not predict future returns.



<sup>1</sup> Source: © 2023 Morningstar as at 30 September 2023. Fund returns are inclusive of gross income re-invested and net of the ongoing charge and portfolio transaction costs, cumulative in fund currency. The figures do not reflect the entry charge payable by individual investors. The performance data shown does not take account of the commissions and costs incurred on the issue and redemption of units. As the Fund is actively managed, it is not intended that the performance of the Share Class will track the performance of 50% FTSE German Government Bond 10 Years+ Index (Total Return), 25% MSCI World Index EUR-Hedged (Net Total Return) & 25% S&P Goldman Sachs Commodity Index EUR-Hedged (Total Return). Prior to 30.11.2015, the performance of the Share Class was compared to the performance of another benchmark: 60% MSCI World Index (Net Total Return) & 40% JP Morgan GBI Global Europe (Traded) Index (Total Return).

The benchmark index is shown for performance comparison purposes only. The Fund does not track the index.



<sup>2 50%</sup> FTSE German Government Bond 10 Years+ Index (Total Return), 25% MSCI World Index EUR-Hedged (Net Total Return) & 25% S&P Goldman Sachs Commodity Index EUR-Hedged (Total Return).

# Invesco Balanced-Risk Allocation Fund Net cumulative and calendar year performance

Past performance does not predict future returns. Returns may increase or decrease as a result of currency fluctuations.

Cumulative performance % <sup>1</sup>	YTD	1 month	1 year	3 years	5 years
Fund	0.16	-2.11	1.62	0.16	2.71
Reference benchmark <sup>2</sup>	1.90	-2.91	1.53	1.50	1.55

Calendar year performance % 1	2018	2019	2020	2021	2022
Fund	-8.23	11.66	6.94	9.40	-16.79
Reference benchmark <sup>2</sup>	-3.31	14.71	1.57	12.13	-17.03

Rolling 12 month performance % to end of <sup>1</sup>	30.09.14	30.09.15	30.09.16	30.09.17	30.09.18	30.09.19	30.09.20	30.09.21	30.09.22	30.09.23
Fund	4.79	-2.80	12.28	2.74	1.33	2.79	-0.24	18.17	-16.60	1.62
Reference benchmark <sup>2</sup>	9.03	-7.82	6.75	-1.04	9.21	5.39	-5.06	16.30	-14.05	1.53

<sup>1</sup> Source: © 2023 Morningstar as at 30 September 2023. Fund returns are inclusive of gross income re-invested and net of the ongoing charge and portfolio transaction costs, cumulative in fund currency. The figures do not reflect the entry charge payable by individual investors. Any reference to a ranking, a rating or an award provides no guarantee for future performance results and is not constant over time. The performance data shown does not take account of the commissions and costs incurred on the issue and redemption of units. Share class: Z-Acc. Share class currency: EUR. As the fund is actively managed, it is not intended that the performance of the fund will track the performance of 50% FTSE German Government Bond 10 Years+ Index (Total Return), 25% MSCI World Index EUR-Hedged (Net Total Return) & 25% S&P Goldman Sachs Commodity Index EUR-Hedged (Total Return).

As at 2 August 2021, this share class is now the Primary share class for this fund. As this share class was launched on 21 August 2013, for the periods prior to this launch date, performance figures are that of the A share class, without any adjustment for fees. The benchmark index is shown for performance comparison purposes only. The Fund does not track the index.

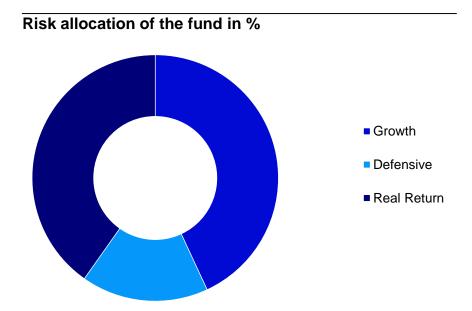


<sup>2 50%</sup> FTSE German Government Bond 10 Years+ Index (Total Return), 25% MSCI World Index EUR-Hedged (Net Total Return) & 25% S&P Goldman Sachs Commodity Index EUR-Hedged (Total Return).

# Invesco Balanced-Risk Allocation Fund Risk allocation

#### Risk allocation

in %	Risk	Contribution
Growth	3.33	43.07
Defensive	1.29	16.67
Real Return	3.11	40.26



Source: Invesco as at 30 September 2023.

Portfolio weightings can change any time and without warning. Note: Growth represents cap-weighted equity beta and long put options, Defensive represents bonds and equity factor premia, and Real Return represents commodities.



# Invesco Balanced-Risk Allocation Fund Portfolio Breakdown

	In %
Equities	41.00
US	10.70
Japan	10.29
Emerging	8.00
Europe	6.12
UK	5.89
Options	18.15
Bonds	47.52
Japan	13.63
Germany	9.75
Canada	6.17
US	6.17
Australia	5.95
UK	5.85
Commodities	28.58
Agriculture	9.47

	In %
Energy	9.06
Industrial Metals	6.26
Precious Metals	3.79

Source: Invesco as at 30 September 2023.

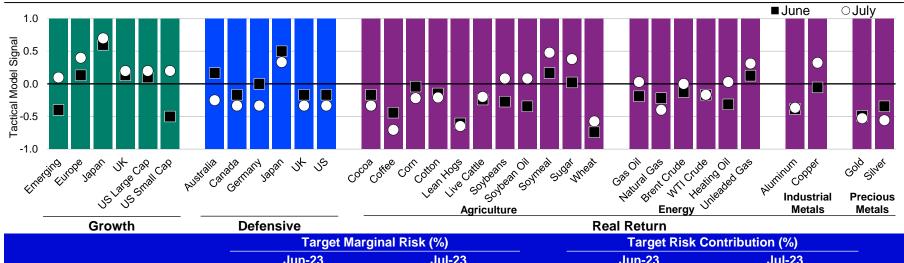
Portfolio weightings can change any time and without warning. German Bunds continue to be absent from the portfolio due to the negative yield.



# **Additional Information**



## Directional tactical model signals



	Target Marg	inal Risk (%)	Target Risk Cor	Target Risk Contribution (%)				
	Jun-23	Jul-23	Jun-23	Jul-23				
Growth	2.84	4.04	37.42	49.99				
Defensive	3.10	1.53	40.85	18.95				
Real Return	1.65	2.51	21.73	31.07				
Total	7.59	8.08	100.00	100.00				

Source: Invesco analysis. The strength of the tactical model signal falls in a range of +1 to -1 which is translated into an allocation weight based on the volatility and correlation of each asset in relation to the overall tactical risk budget. Note: Growth represents cap-weighted equity beta and long put options, Defensive represents bonds and equity factor premia, and Real Return represents commodities. Data subject to rounding and may not equal total.



Calendar year attribution (%)

	Since Inception	2008*	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	YTD 2023
Strategic Growth	2.14	-6.95	8.65	3.16	-2.36	4.67	7.18	1.56	0.98	3.22	5.94	-3.39	6.77	2.15	4.72	-4.42	2.86
Strategic Defensive	2.20	7.58	-1.11	4.99	12.59	2.91	-3.80	9.22	0.77	2.24	1.03	1.44	3.37	5.15	-2.08	-11.51	0.31
Strategic Real Return	0.69	-7.00	12.81	6.72	-0.98	2.62	-3.15	-6.31	-6.03	4.75	1.92	-5.50	2.39	0.73	7.30	3.77	-2.14
SAA Total	5.03	-6.37	20.35	14.87	9.25	10.20	0.23	4.47	-4.28	10.21	8.89	-7.45	12.53	8.03	9.94	-12.16	1.03
Tactical Growth	0.52	2.34	1.06	-1.62	0.53	1.02	2.89	-0.55	-0.49	0.99	1.84	-0.61	0.45	0.44	1.72	-2.64	0.70
Tactical Defensive	0.49	1.42	-0.87	0.77	2.78	1.00	-0.02	1.91	-0.13	0.82	-0.44	-0.09	0.49	0.01	0.00	0.42	-0.59
Tactical Real Return	0.21	-0.76	0.64	1.09	-0.86	-0.02	-0.51	0.82	1.64	0.27	-0.19	0.80	0.25	1.94	-0.56	-0.43	-0.79
Total TAA	1.23	3.00	0.83	0.24	2.45	2.00	2.36	2.18	1.02	2.08	1.21	0.10	1.19	2.39	1.16	-2.65	-0.68
Cash	0.77	0.27	0.23	0.15	0.11	0.12	0.08	0.05	0.07	0.36	0.91	1.82	2.44	0.72	0.05	1.41	2.36
Portfolio Total (Gross)	7.03	-3.10	21.41	15.26	11.81	12.32	2.67	6.70	-3.19	12.65	11.01	-5.53	16.16	11.14	11.15	-13.40	2.70
Portfolio Total (Net)	6.55	-3.21	20.86	14.75	11.31	11.81	2.21	6.22	-3.62	12.14	10.51	-5.95	15.63	10.65	10.65	-13.79	2.48

Sources: DataStream and Invesco analysis. Inception: 09/30/08. \*Partial year 09/30/08–12/31/08. Past performance is not a guarantee of future results. Data as of 06/30/23. Note: Growth represents cap-weighted equity beta and long put options, Defensive represents bonds and equity factor premia, and Real Return represents commodities. Net-of-fee performance results are calculated by subtracting the highest tier of our published fee schedule (45 bps) for the product from the monthly returns.



# Invesco Balanced-Risk Allocation Strategy Diversification framework and investment universe

## **Growth Exposures**

### **Public Market Equities**

- S&P 500 Index
- Russell 2000 Index
- FTSE 100 Index
- EuroStoxx 50<sup>®</sup> Index
- Nikkei 225 Index
- MSCI Emerging Market Index

## **Defensive Exposures**

### **Long-Term Government Bonds**

- Australian Gov't Bonds
- Canadian Gov't Bonds
- German Bunds
- Japanese Gov't Bonds
- UK Gilts
- US Treasuries

### **Equity Index Options**

Long Puts

#### **Equity Factor Premia**

- Momentum
- Low Vol.
- Quality

## **Real Return Exposures**

# Commodities Agriculture

#### Cocoa\*

- Coffee
- Corn
- Cotton
- Lean Hogs\*
- Live Cattle\*
- Soybeans
- Soybean Oil
- Soy Meal
- Sugar
- Wheat

### **Energy**

- Brent Crude
- Heating Oil
- Gas Oil
- Gasoline
- Natural Gas
- WTI Crude

#### **Industrial Metals**

- Aluminum
- Copper

### **Precious Metals**

- Gold
- Silver

Source: Invesco analysis. For illustrative purposes only. Asset allocation/diversification does not guarantee a profit or eliminate the risk of loss. \*Limited allocation.



# **Appendix**



# Invesco Balanced-Risk Allocation Composite – USD

# GIPS® compliant – Schedule of investment performance

Period	Gross Rate of Return	Net Rate of Return	Benchmark Return	Composite 3-Yr St Dev	Benchmark 3-Yr St Dev	Number of Portfolios	Composite Assets	Percentage of Firm Assets	Total Firm Assets <sup>1</sup>	Composite Dispersion
	(%)	(%)	(%)	(%)	(%)		(USD millions)	(%)	(USD billions)	(%)
2022	(13.40)	(13.79)	1.51	11.95	0.36	2	2,366.6	0.27	865.06	n/a
2021	11.15	10.65	0.04	8.86	0.33	2	2,711.6	0.28	975.05	n/a
2020	11.15	10.65	0.67	9.30	0.28	2	3,824.6	0.44	875.96	n/a
2019	16.15	15.63	2.30	5.70	0.20	2	4,470.1	0.54	825.87	n/a
2018	(5.53)	(5.95)	1.89	5.50	0.20	2	4,452.7	0.77	578.9	n/a
2017	11.01	10.51	0.87	5.53	0.12	2	5,185.0	0.79	660.3	n/a
2016	12.65	12.14	0.35	5.92	0.06	2	4,375.5	0.73	599.0	n/a
2015	(3.19)	(3.62)	0.07	6.32	0.03	2	3,577.1	0.62	575.1	n/a
2014	6.70	6.22	0.05	6.26	0.02	2	3,404.9	0.58	584.9	n/a
2013	2.67	2.21	0.08	7.07	0.03	2	2,656.8	0.46	572.8	n/a
2012	12.32	11.81	0.12	6.97	0.03	2	1,509.1	0.30	497.1	n/a
2011	11.81	11.31	0.11	8.44	0.03	2	985.0	0.21	479.8	n/a
2010	15.26	14.75	0.15	n/a	n/a	1	488.9	n/a	n/a	n/a
2009	21.41	20.86	0.23	n/a	n/a	1	344.2	n/a	n/a	n/a
2008 (3 months)	(3.10)	(3.21)	0.27	n/a	n/a	1	23.8	n/a	n/a	n/a
Annualized Compound Rat	tes of Return En	ding Decemb	er 31, 2022:							

Annualized Compound	Rates of Return	Ending December	31, 2022:
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1 Year	(13.40)	(13.79)	1.51	
2 Years	(1.89)	(2.33)	0.77	
3 Years	2.28	1.82	0.74	
4 Years	5.58	5.11	1.13	
5 Years	3.26	2.80	1.28	
10 Years	4.53	4.06	0.78	
Since Inception (9/30/2008)	7.08	6.60	0.61	

Currency: US dollar. Inception date: 09/30/08. For complete GIPS® disclosure, see following page. Invesco Worldwide claims compliance with the Global Investment Performance Standards (GIPS®) and has prepared and presented this report in compliance with the GIPS standards. Invesco Worldwide has been independently verified for the periods 1st January 2003 through 31st December 2021. The legacy firms that constitute Invesco Worldwide have been verified since 2001 or earlier. The verification reports are available upon request. Verification assesses whether (1) the Firm has complied with all the composite construction requirements of the GIPS standards on a Firm-wide basis and (2) the Firm's policies and procedures are designed to calculate and present performance in compliance with the GIPS standards. Verification does not ensure the accuracy of any specific composite presentation.



# Invesco Balanced-Risk Allocation Composite – USD

## GIPS® compliant – Performance notes

- Invesco Worldwide claims compliance with the Global Investment Performance Standards (GIPS) and has prepared and presented this report in compliance with the GIPS standards. Invesco Worldwide has been independently verified for the periods 1st January 2003 through 31st December 2022. The verification reports are available upon request.
  - A firm that claims compliance with the GIPS standards must establish policies and procedures for complying with all the applicable requirements of the GIPS standards. Verification provides assurance on whether the firm's policies and procedures related to composite and pooled fund maintenance, as well as the calculation, presentation, and distribution of performance, have been designed in compliance with the GIPS standards and have been implemented on a firm-wide basis. Verification does not provide assurance on the accuracy of any specific performance report.
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- For purposes of compliance with Global Investment Performance Standards (GIPS®), "Invesco Worldwide" refers collectively to all direct or indirect subsidiaries of Invesco Ltd. that provide discretionary investment advice with the exception of the following entities: Invesco Investment Management Ltd., Invesco Investment Advisers LLC, Invesco Asset Management Australia (Holdings) Ltd., Invesco Global Real Estate Asia Pacific, Inc., IRE (Cayman) Ltd., Invesco Senior Secured Management, Inc., Invesco Private Capital, Inc., and Invesco Capital Management LLC. Invesco Great Wall Fund Management Company Limited is compliant with GIPS but is not part of Invesco Worldwide. Invesco Canada Ltd. was added to the firm effective December 31, 2021.
- The objective of the Balanced-Risk Allocation investment strategy is to outperform the index, Bloomberg U.S. Treasury 3-month Bellwether, by 6% over a rolling three to five year investment horizon. The strategy will strive to achieve this objective with a proprietary risk parity strategy that targets 8% portfolio risk and seeks to minimize the risk of large draw downs with a risk-balanced investment process. Portfolio risk is defined as the annualized standard deviation of the strategy's returns. The strategy is intended to target equity-like returns with bond-like risk.
- The composite is benchmarked to the Bloomberg U.S. Treasury 3-month Bellwether index. During April 2009, the decision was made to retroactively change the Composite's benchmark from the Citigroup Treasury Bill-3 Month index to the Bloomberg U.S. Treasury 3-month Bellwether index. The benchmark was changed due to data availability. The benchmark is used for comparative purposes only. Investments made by the Firm for the portfolios it manages according to respective strategies may differ significantly in terms of security holdings, industry weightings, and asset allocation from those of the benchmark. Accordingly, investment results and volatility will differ from those of the benchmark.
- 5 As of May 31, 2010, the Composite minimum has been changed to \$25 million. Prior to this date there was no Composite minimum.



# Invesco Balanced-Risk Allocation Composite – USD

# GIPS® compliant – Performance notes cont'd

- The Balanced-Risk Allocation strategy invests primarily in, equity futures and options along with bond and commodity futures in different regions around the globe targeting equity-like returns with bond-like risk. The composite's notional value will generally not exceed 2 times capital.
- Gross-of-fee performance results are presented before management and custodial fees but after all trading commissions and withholding taxes on dividends, interest and capital gains, when applicable. Net-of-fee performance results are calculated by subtracting the highest tier of our published fee schedule for the product from the monthly returns. The management fee schedule is as follows: 45 basis points on the first \$100 million, 35 basis points thereafter.
- 8 Composite dispersion is measured by the standard deviation across asset-weighted portfolio gross-of-fee returns represented within the composite for the full year. It is considered not meaningful for composites with fewer than three portfolios during the entire year. The three-year annualized standard deviation measures the variability of the composite and the benchmark returns over the preceding 36 months. The standard deviation is not presented when there is less than 36 months.
- 9 Valuations and portfolio total returns are computed and stated in U.S. Dollars. The Firm consistently values all portfolios each day on a trade date basis. Portfolio level returns are calculated as time-weighted total returns on daily basis. Accrual accounting is used for all interest and dividend income. Past performance is not an indication of future results.
- 10 The composite creation date is September 2008.
- 11 The following are available on request:
  - \* Policies for valuing investments, calculating performance and preparing GIPS reports
  - \* List of composite descriptions
  - \* List of limited distribution pooled fund descriptions
  - \* List of broad distribution pooled funds



## **Invesco Disclaimer**

#### **Derivatives Risk**

The Invesco Balanced-Risk Allocation Strategy invests (directly or indirectly) a substantial portion of its assets in "derivatives"—so-called because their value "derives" from the value of an underlying asset (including an underlying security), reference rate or index—the value of which may rise or fall more rapidly than other investments. The strategy invests principally in exchange-traded futures across a diverse mix of assets including equities, bonds and commodities. The Invesco Balanced-Risk Allocation Strategy is a long-only strategy, so the portfolio will hold no net short positions at any time. For some derivatives, it is possible to lose more than the amount invested in the derivative. If the portfolio uses derivatives to "hedge" a portfolio risk, it is possible that the hedge may not succeed. This may happen for various reasons, including unexpected changes in the value of the rest of the portfolio. Over the counter derivatives are also subject to counterparty risk, which is the risk that the other party to the contract will not fulfill its contractual obligation to complete the transaction with the portfolio.

#### Leverage Risk

The Invesco Balanced-Risk Allocation Strategy employs leverage as a fundamental element within the investment strategy. The implementation of a risk parity strategy requires the use of leverage in order to increase the risk of the government bond allocation in the strategy so that it can be balanced against the portfolio's exposure to stocks and commodities. The use of derivatives facilitates the ability to create the desired level of leverage in the portfolio. Leverage may cause the portfolio to be more volatile than if the portfolio had not been leveraged because leverage can exaggerate the effect of any increase or decrease in the value of securities held by the portfolio.



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