



SITFO Summit Agenda | October 6, 2023

Anchor Location: Westgate Park City Resort & Spa, 3000 Canyons Resort Dr, Park City, UT 84098 Webinar Registration: https://utah-gov.zoom.us/webinar/register/WN_qF3dScPaSBOkZ1as0k-8uw

Day 2: Navigating Uncertainty & Planning the Future

Time 8:00 am	Event Breakfast	Presenter(s)	Location Bison 4
9:00 am	Macroeconomic & Geopolitical Panel	SITFO	Bison 3
10:30 am	Break		Bison 3
10:45 am	Manager Panel: Income	SITFO	Bison 3
12:00 pm	Lunch		Bison 4
1:15 pm	Peers Panel	Albourne	Bison 3
2:45 pm	Closing Remarks		Bison 3
3:00 pm	Departure		

Meals included: B/L

Conference Dress Code: Business Casual



Global Asset Allocation

The Vice Tightens Further

Garry Evans

Chief Global Asset Allocation Strategist BCA Research garry@bcaresearch.com

Recession Postponed – But Not Avoided

- The effects of interest rates staying "high for longer" are starting to be felt. US firms and households are paying the highest rates in 15 years for borrowing.
- The global economy is showing signs of slowdown, with services in Europe following manufacturing into contractionary territory.
- The Fed has tightened policy at the fastest rate since 1980. Although the timing of recession is uncertain, such aggressive tightening has always led to recession.
- We recommend a risk-off portfolio: Underweight equities and credit, neutral cash, and overweight government bonds.
- We are maximum overweight on duration. We do not see 10-year US
 Treasury yields rising much further. Carry makes government bonds
 attractive, with big upside in the event of recession. We prefer euro area
 government bonds to US Treasurys.
- Within equities, we cut Tech to neutral since valuations are stretched and analysts' forecasts too optimistic. We raise Utilities to overweight to make our portfolio more defensive. We continue to favor US equities over the euro area or EM.
- Within alternatives, we favor Private Credit since yields are in double-digits and lenders are in a strong negotiating position. We are neutral Hedge Funds, but like Directional strategies since the current environment is fertile for long and short stock pickers.
- Bottom Line: Stay defensively positioned. Timing recession is difficult, but tight monetary policy points to it beginning in the first half of 2024.

Recommended Allocation



* RELATIVE TO MSCI ACWI (UNHEDGED).
** RELATIVE TO BLOOMBERG BARCLAYS GLOBAL AGGREGATE

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| Recommended Asset Allocation

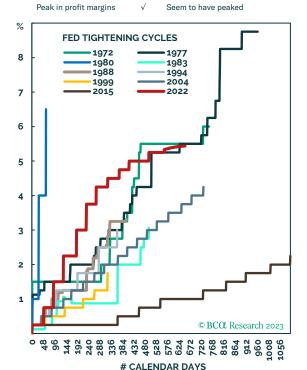
Model Portfolio (USD Terms)

		,	Asset Class Selection	on
	Allocation	Benchmark Weighting	Active Weight	
Equities	46.0%	50.0%	Underweight	Continued risk of recession
Bonds*	51.5%	47.5%	Overweight	Yields are close to a peak and bonds are a recession her
Cash	2.5%	2.5%	Neutral	Bonds perform better than cash when growth and inflati are slowing
			Portfolio Volatility	
	Allocation	Benchmark Weighting	Active Weight	
Volatility	9.42%	9.85%	Underweight	Risk of recession is high; too much uncertainty to be risk
		Equity A	Illocation By Countr	ry/Region
	Allocation	Benchmark Weighting	Active Weight	
US	68.8%	65.8%	Overweight	Fundamentals better than other DMs
Euro Area	4.3%	8.3%	Underweight	Economy likely to weaken further
Japan	5.9%	5.9%	Neutral	Cheap and unloved; bounce could continue
UK	4.9%	3.9%	Overweight	Defensive market, with particularly high weight in Con Staples
Canada	3.0%	3.0%	Neutral	Close link to oil price
Australia	2.9%	2.9%	Neutral	Would benefit from a rise in metals prices on expectat of Chinese stimulus
China	2.3%	3.3%	Underweight	Decline in governance has increased the risk premium
Other EM	7.9%	7.9%	Neutral	Cheapest since 2012; fundamentals have improved
		GI	obal Bond Allocati	on*
	Allocation	Benchmark Weighting	Active Weight	
Government	75.6%	68.8%	Overweight	Rates are close to a peak and fall in recession
Investment Grade	20.2%	24.2%	Underweight	Not attractively valued
High-Yield	2.3%	5.2%	Underweight	Valuations are not attractive given the deteriorating continuous environment
EM Debt	1.9%	1.9%	Neutral	Some value in EM debt, in countries where tightening advanced
		GI	obal Sector Allocat	tion
	Allocation	Benchmark Weighting	Active Weight	
Financials	13.8%	15.8%	Underweight	Non-performing loans likely to rise
Info Tech	21.4% 24.3%	21.4%	Neutral	Al theme to continue for a while but sector now expens
Health Care	12.9%	11.9%	Overweight	Demand benefits from an aging population in DM and growing middle class in EM but political risks rising
Consumer Discretionary	9.1%	11.1%	Underweight	Expensive and vulnerable to decline in consumer spend
Industrials	10.4%	10.4%	Neutral	Structural story strong, but capex may weaken now
Communication Services	7.6% 6.5%	7.6%	Neutral	Valuations and earnings forecasts now reasonable
Consumer Staples	7.1%	7.1%	Neutral	Expensive after last year's run-up
Energy	6.3%	5.3%	Overweight	Oil price has upside
Materials	5.5%	4.5%	Overweight	Strong structural demand for metals would benefit if C moves towards stimulus
Utilities	4.0% 2.8%	2.6%	Overweight	Typically does well when bonds outperform equities

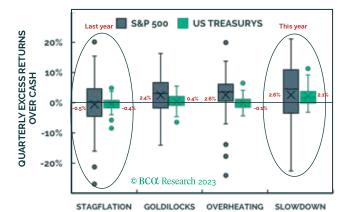
Overview

Recession Checklist

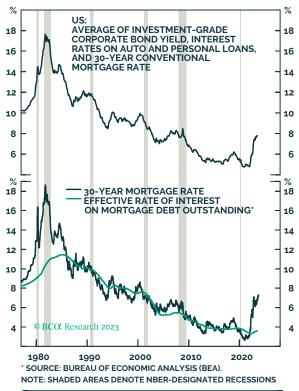
		Note
Inverted yield curve	√	10/2-year and 10-year/ 3-months yield curves inverted
Rise in credit spreads	?	HY spreads widened by 116 BPs
Fed Funds Rate above neutral	√	From November 2022
Significant decline in global PMIs	√	Already below 50
Cyclical spending as % of GDP	√	Seems to have peaked



2022 CYCLE INCLUDES MARKET EXPECTATIONS OF FUTURE RATE HIKES.

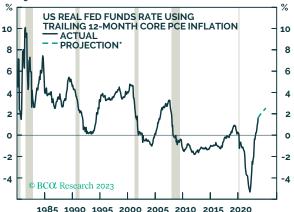


BASED ON DATA FROM BLOOMBERG/BARCLAYS AND S&P. DATA SINCE 1960. THE UPPER AND LOWER EDGES OF THE BOXES REPRESENT THE THIRD AND FIRST QUARTILES OF THE RETURN DISTRIBUTION RESPECTIVELY. THE LINE IN THE MIDDLE OF THE BOX REPRESENT THE MEDIAN. WHILE THE X REPRESENT THE DISTRIBUTION'S AVERAGE. AVERAGE NUMBER IS ALSO SHOWN IN RED. THE POINTS OUTSIDE OF THE BOX AND WHISKER PLOTS REPRESENT OUTLIERS (I.E. POINTS ABOVE/BELOW THE THIRD/QUARTILE BY 1.5 TIMES THE INTERQUARTILE RANGE).





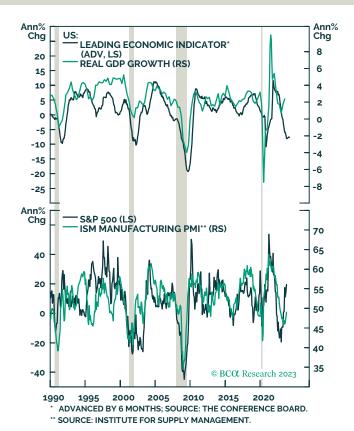
" SOURCE: JPMORGAN, S&P GLOBAL MARKET INTELLIGENCE. SHOWN AS A 2-MONTH MOVING AVERAGE AND ADVANCED BY 5 MONTHS.

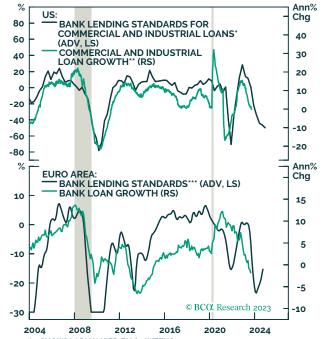


SOURCE: FOMC PROJECTION AND BCA CALCULATION.

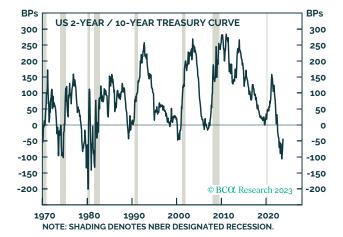
NOTE: SHADED AREAS DENOTE NBER-DESIGNATED RECESSIONS.

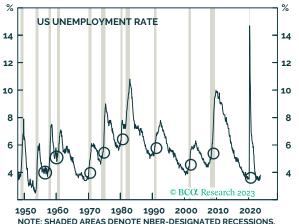
| Current Situation

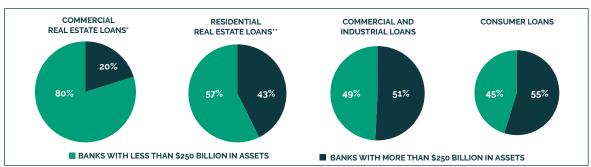




- SHOWN ADVANCED BY 65 WEEKS.
 WEIGHTED-AVERAGE OF LOANS TO SMALL AND LARGE FIRMS.
 NET PERCENTAGE OF RESPONDENTS TIGHTENING STANDARDS.
 POSITIVE VALUES DENOTE EASING STANDARDS, WHILE NEGATIVE VALUES DENOTE TIGHTENING STANDARDS.
 SOURCE: FEDERAL RESERVE, SENIOR LOAN OFFICER SURVEY.
- DATA ADJUSTED TO EXTRACT THE EFFECT OF STATISTICAL BREAK IN 2010. SOURCE: FEDERAL RESERVE.
- *** SHOWN ADVANCED BY 12 MONTHS, TRUNCATED AT -30.
 SOURCE: EUROPEAN CENTRAL BANK (ECB), BANK LENDING SURVEY.
 NOTE: SHADED AREAS DENOTE NBER DESIGNATED RECESSIONS.





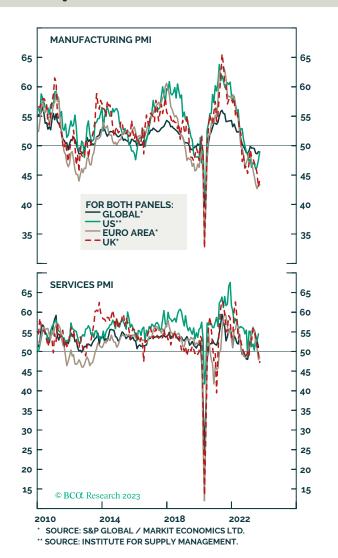


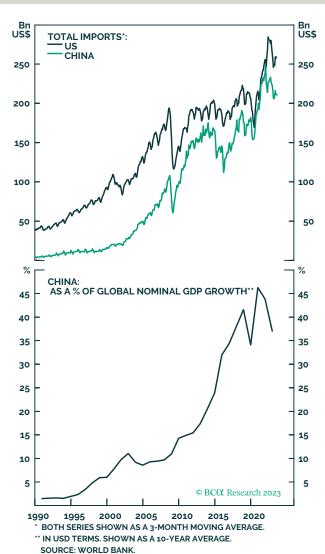
^{*} INCLUDES COMMERCIAL, MULTI-FAMILY RESIDENTIAL, CONSTRUCTION & LAND DEVELOPMENT, AND FARMLAND REAL ESTATE LOANS.

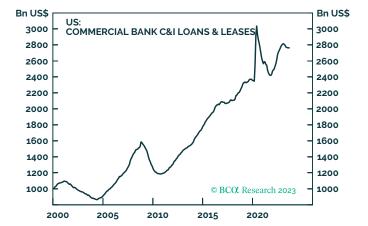
[&]quot; INCLUDES SINGLE-FAMILY REAL ESTATE LOANS.

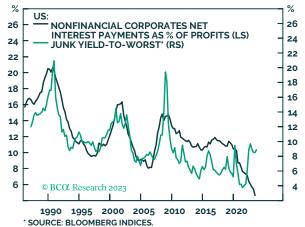
NOTE: DATA AS OF Q4 2022. INCLUDES ALL FDIC-INSURED INSTITUTIONS (COMMERCIAL BANKS AND SAVINGS INSTITUTIONS). SOURCE: BCA CALCULATIONS BASED ON FEDERAL DEPOSIT INSURANCE CORPORATION (FDIC) DATA.

| Cyclical Indicators



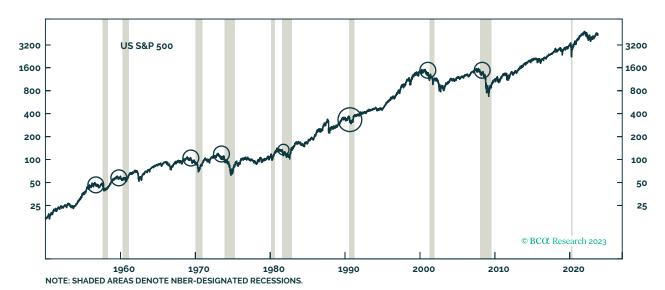






| Bear Markets & Recessions

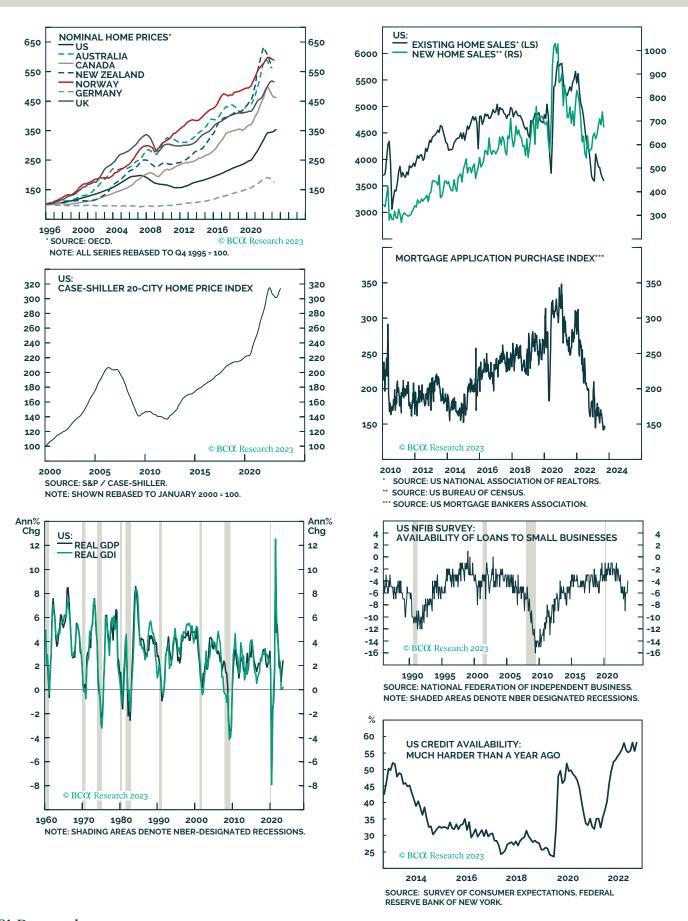
Recession Start	S&P500 Peak	Stock Peak Vs. Recession Start (Months)	Recession End	S&P500 Bottom	Stock Bottom Vs. Recession End (Months)
Jul/1953	Jan/1953	-6	May/1954	Sep/1953	-8
Aug/1957	Feb/1957	-6	Apr/1958	Dec/1957	-4
Apr/1960	Dec/1959	-4	Feb/1961	Oct/1960	-4
Dec/1969	Dec/1968	-12	Nov/1970	Jun/1970	-5
Nov/1973	Jan/1973	-10	Mar/1975	Sep/1974	-6
Jan/1980	Feb/1980	1	Jul/1980	Mar/1980	-4
Jul/1981	Nov/1980	-8	Nov/1982	Jul/1982	-4
Jul/1990	Jun/1990	-1	Mar/1991	Oct/1990	-5
Mar/2001	Aug/2000	-7	Nov/2001	Sep/2002	10
Dec/2007	Oct/2007	-2	Jun/2009	Feb/2009	-4
Feb/2020	Jan/2020	-1	Apr/2020	Mar/2020	-1
Average		-5			-3
Median		-6			-4
Median past 40		-2			-3



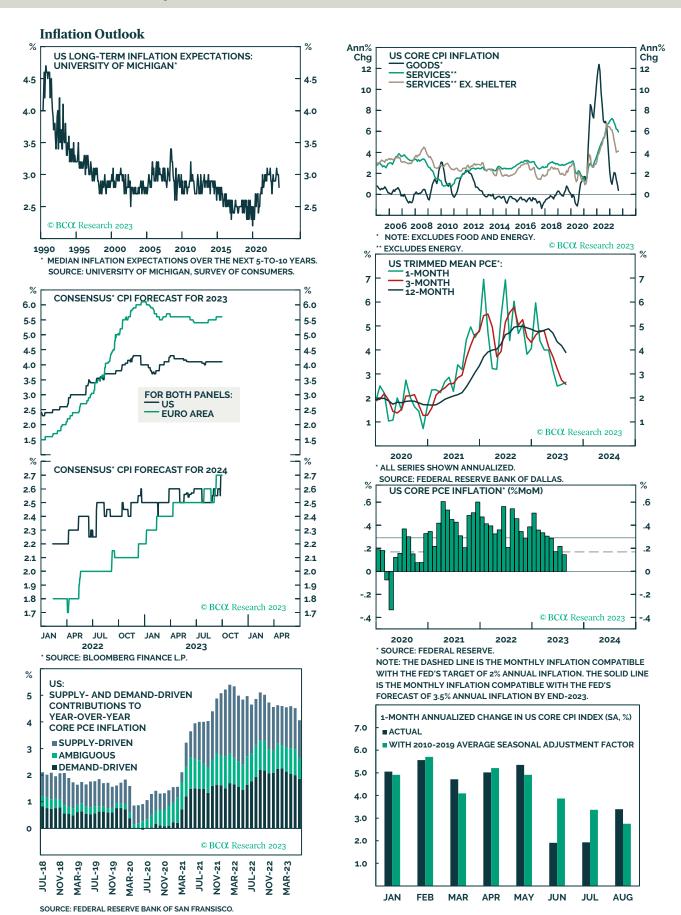
START OF THE RECESSION	END OF THE RECESSION	MONTHS	MONTHS SINCE PREVIOUS RECESSION	TROUGH TO PEAK RISE IN UNEMPLOYMENT (PPTS)	PEAK UNEMPLOYMENT RATE (%)	GDP DECLINE PEAK TO TROUGH (%)	SEVERITY	BOTTOM FOR S&P500	MONTHS VS. RECESSION END
FEB-45	OCT-45	8	80	N/A	5.2	-12.7	1.9		
NOV-48	OCT-49	11	37	4.5	7.9	-1.7	2	JUN-49	-4
JUL-53	MAY-54	10	45	3.6	6.1	-2.6	1.5	SEP-53	-8
AUG-57	APR-58	8	39	3.8	7.5	-3.7	1.4	DEC-57	-4
APR-60	FEB-61	10	24	2.3	7.1	-1.6	0.8	OCT-60	-4
DEC-69	NOV-70	11	107	2.7	6.1	-0.6	1	JUN-70	-5
NOV-73	MAR-75	16	36	4.2	9	-3.2	3.2	SEP-74	-6
JAN-80	JUL-80	6	58	2.2	7.8	-2.2	0	MAR-80	-4
JUL-81	NOV-82	16	12	3.6	10.8	-2.7	2.9	JUL-82	-4
JUL-90	MAR-91	8	93	2.8	7.8	-1.4	0.5	OCT-90	-5
MAR-01	NOV-01	8	121	2.5	6.3	-0.3	0.2	SEP-02	10
DEC-07	JUN-09	18	73	5.6	10	-5.1	4.6	FEB-09	-4
FEB-20	APR-20	2	129	11.2	14.7	-19.2	5.9	MAR-20	-1
MEDIAN		10	58	3.6	7.8	-2.6			-4
MEAN		10	66	4.1	8.2	-4.4			-3

NOTE: SEVERITY IS CALCULATED AS THE STANDARDIZED LENGTH OF THE RECESSION, RISE IN UNEMPLOYMENT (PEAK UNEMPLOYMENT FOR 1945), AND GDP DECLINE COMPARED TO THE HISTORICAL AVERAGE. THE HIGHER THE SCORE, THE MORE SEVERE THE RECESSION. EXPRESSED RELATIVE TO THE MILDEST RECESSION (1980).

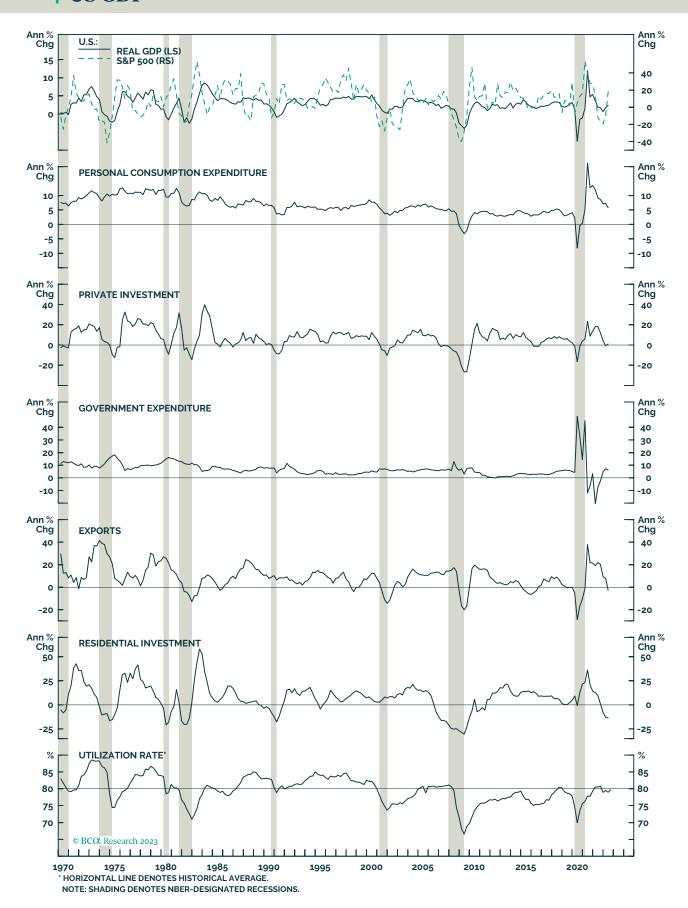
Risks



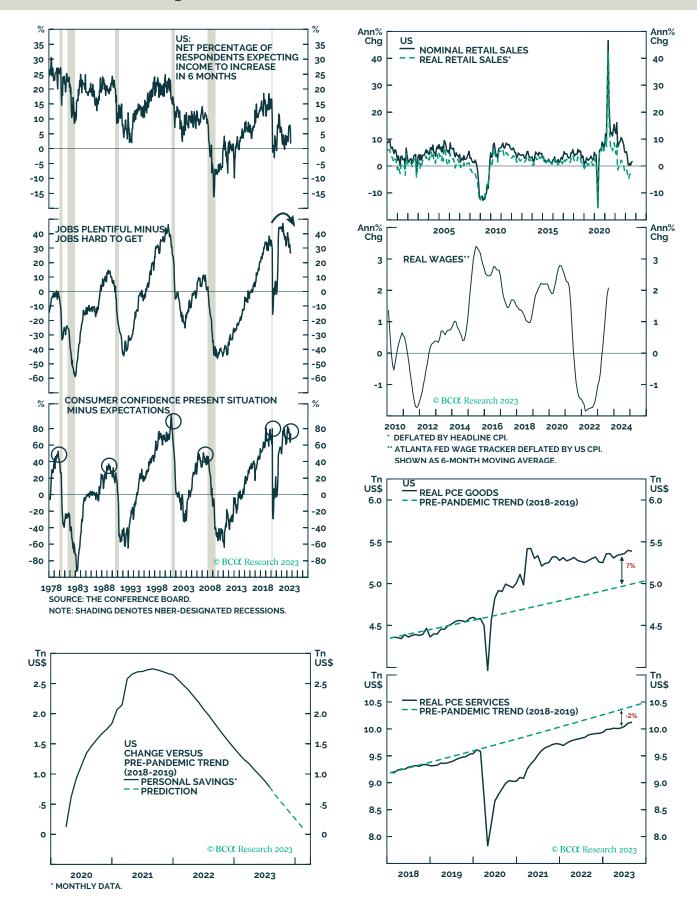
US Economy



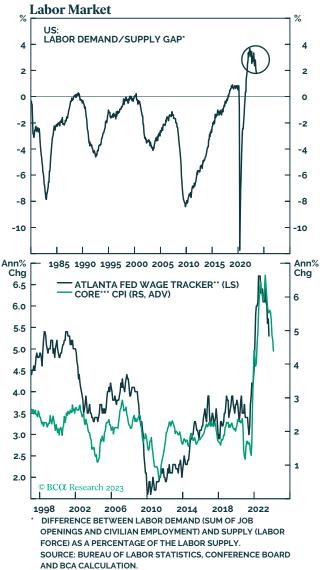
US GDP



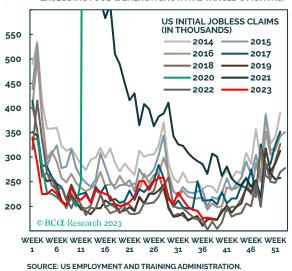
| US Consumption

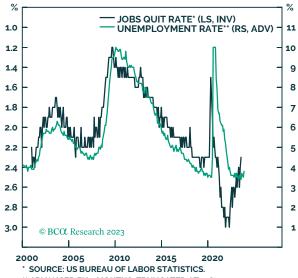


| US Employment

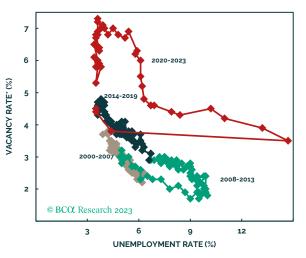


- AND BCA CALCULATION.
- ** SOURCE: FEDERAL RESERVE BANK OF ATLANTA; SHOWN AS A 3-MONTH MOVING AVERAGE.
- *** EXCLUDING FOOD & ENERGY. SHOWN ADVANCED 6 MONTHS.

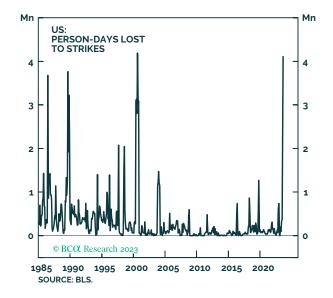




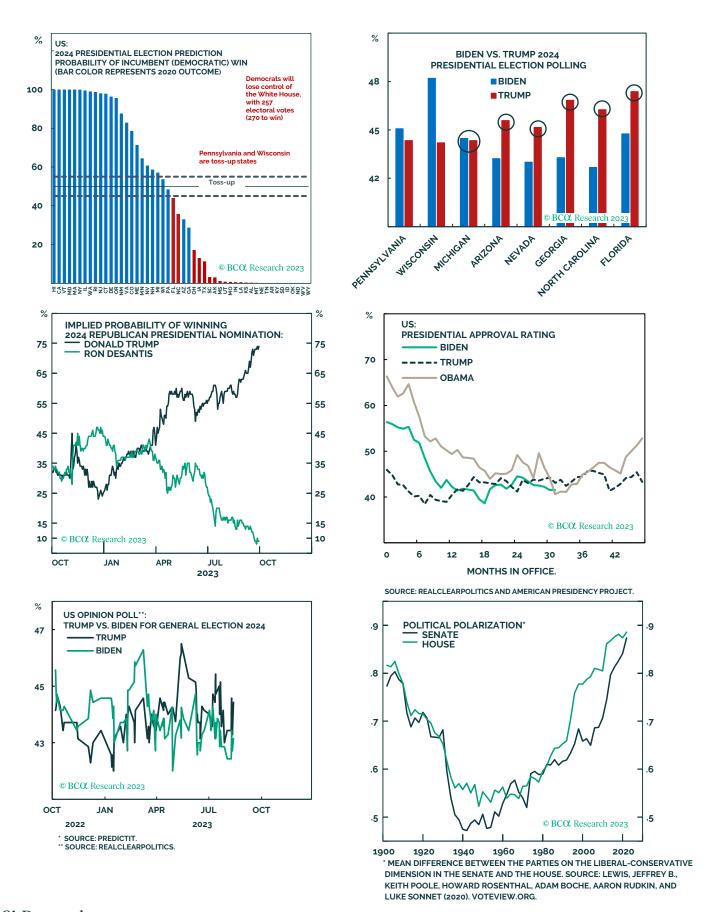
** ADVANCED BY 3 MONTHS; TRUNCATED AT 10%. NOTE: SHADED AREAS DENOTE NBER-DESIGNATED RECESSIONS.



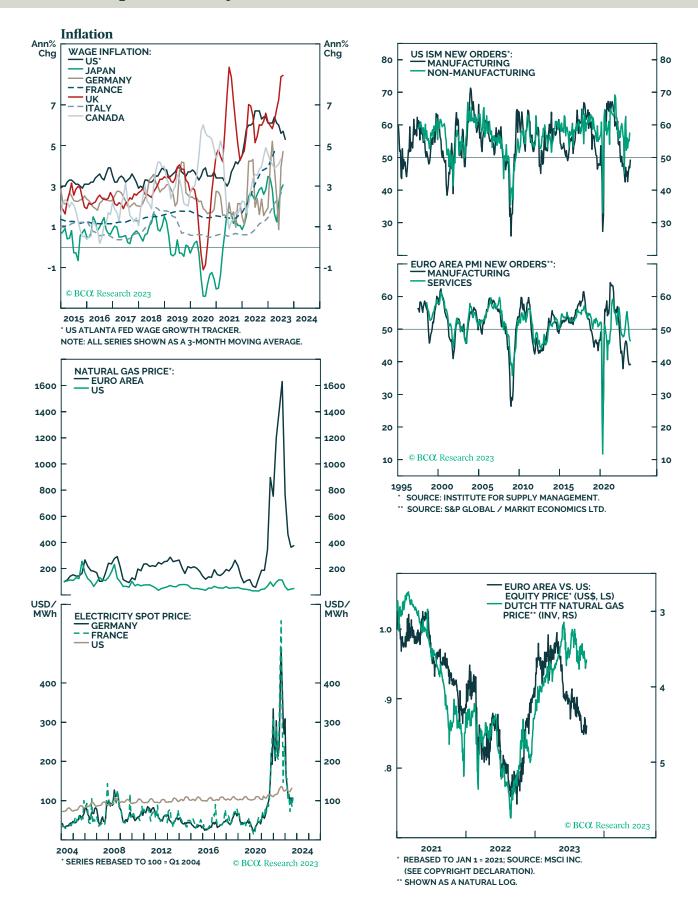
JOB OPENINGS AS A % OF THE SUM OF JOB OPENINGS AND EMPLOYMENT. SOURCE: BUREAU OF LABOR STATISTICS (BLS).



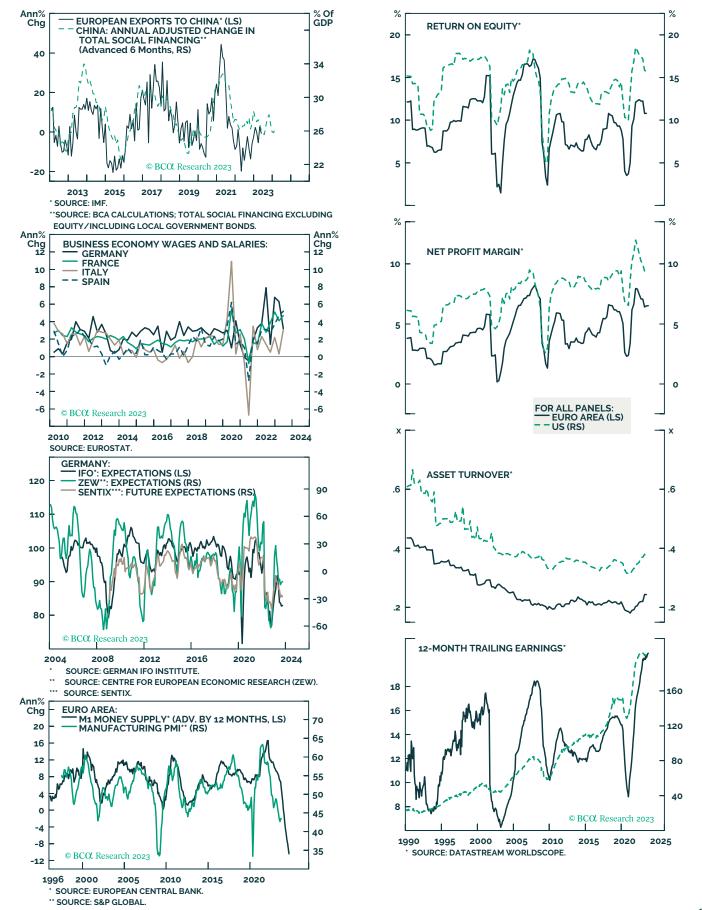
US Politics



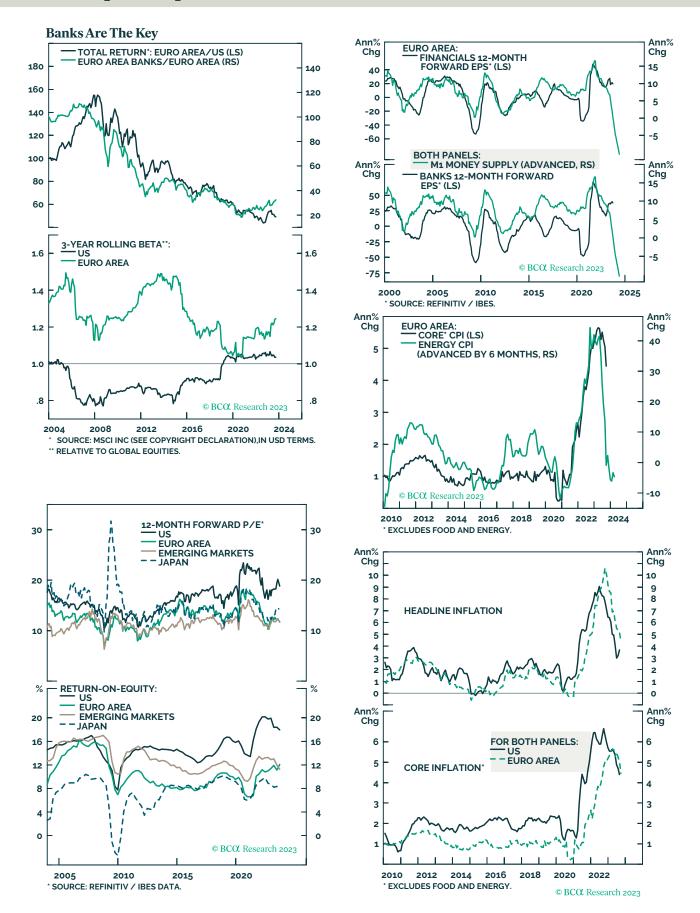
| Europe Economy

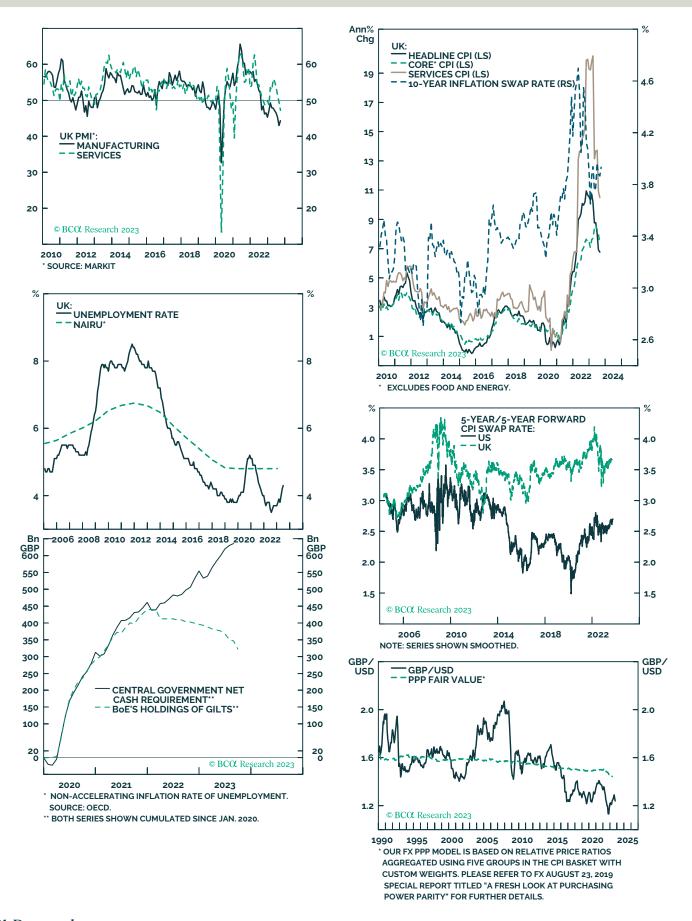


| Europe – Structural Issues

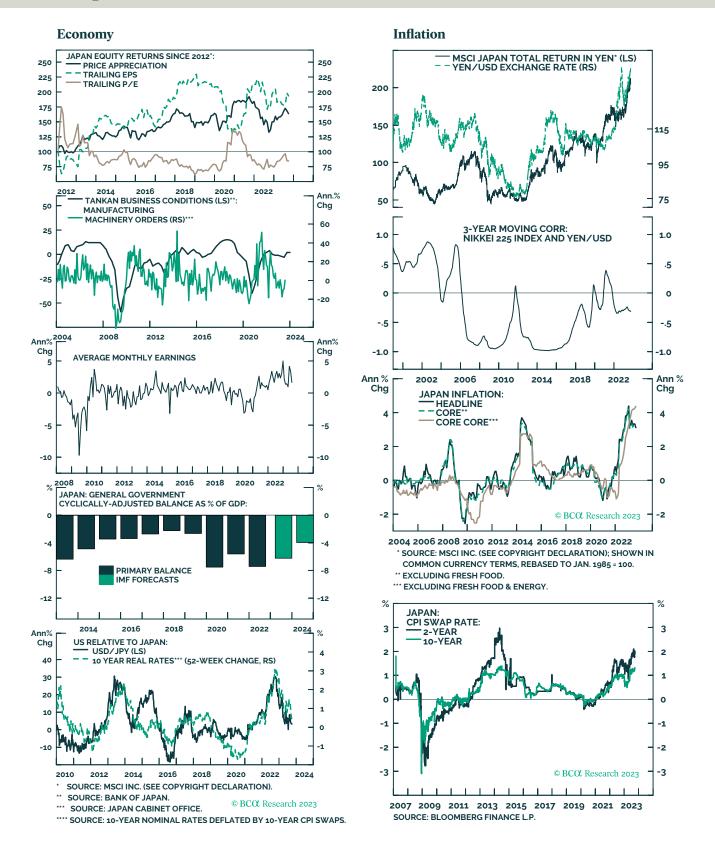


| European Equities

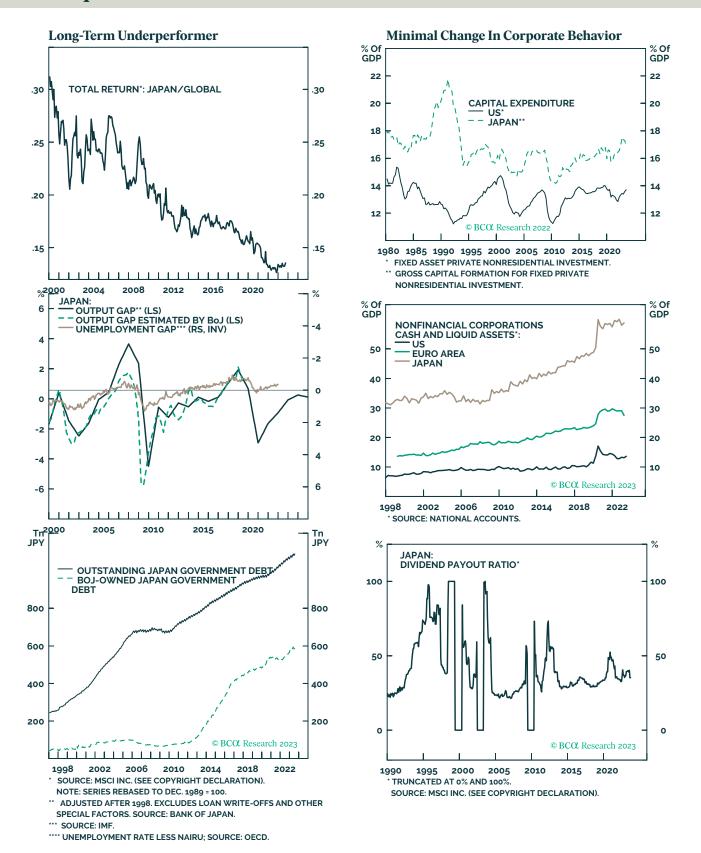




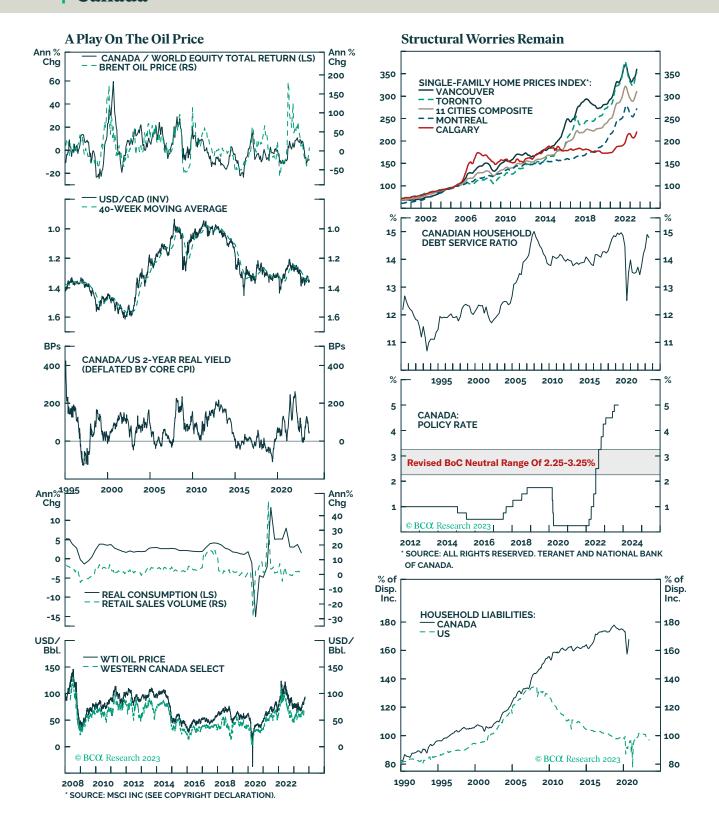
| Japan



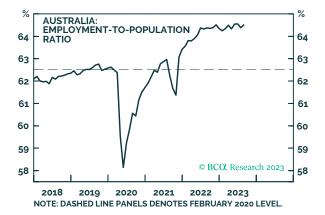
| Japan: Structural Issues

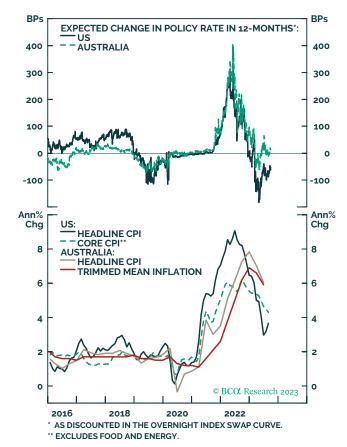


Canada



Australia



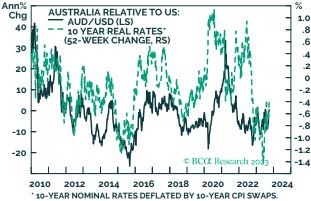






2004 2006 2008 2010 2012 2014 2016 2018 2020 2022

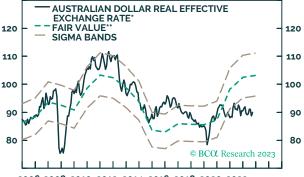
- * SOURCE: MSCI INC. (SEE COPYRIGHT DECLARATION).
- SHOWN IN USD TERMS.
- ** SOURCE: GOLDMAN SACHS COMMODITY INDEX.





2010 2012 2014 2016 2018 2020 2022 CUMULATIVE AGGREGATE FINANCING EXCLUDING EQUITY FINANCING.

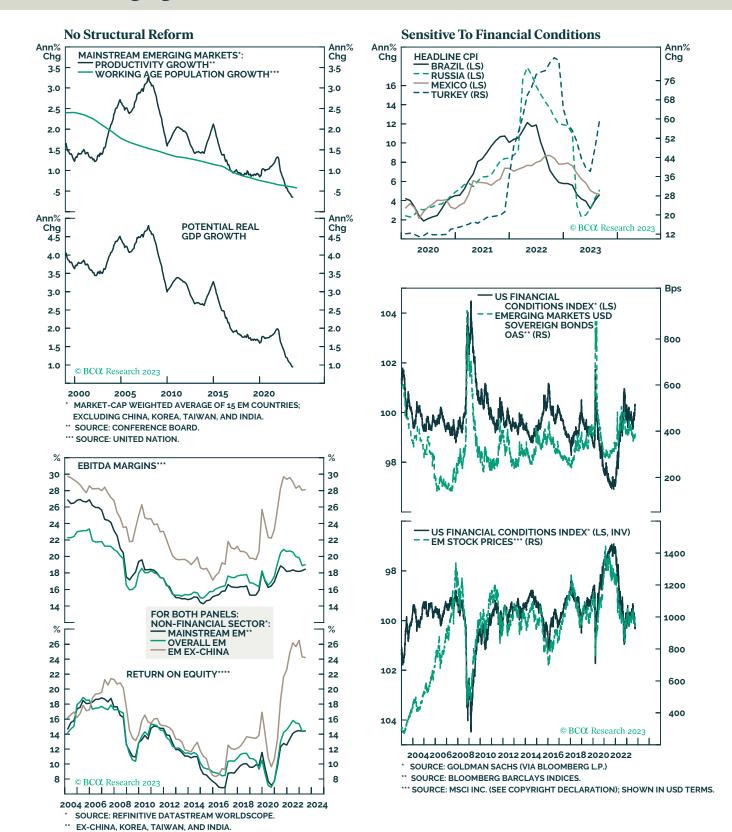
- LGFV SWAP FROM 2015 TO 2018 AND LOCAL GOVERNMENT SPECIAL BONDS ISSUANCE.
- ** GENERAL (CENTRAL AND LOCAL) GOVERNMENT, GOVERNMENT MANAGED FUNDS SPENDING AND SPECIAL INFRASTRUCTURE FUND FROM 2015 TO 2017.



2006 2008 2010 2012 2014 2016 2018 2020 2022

- SOURCE: IMF, BASED ON CONSUMER PRICES.
- ** BASED ON THE CUMULATIVE CURRENT ACCOUNT AND COMMODITY PRICES

| Emerging Markets



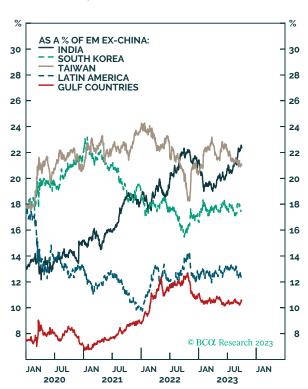
*** CALCULATED AS EBITDA DIVIDED BY SALES.

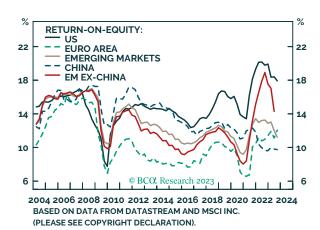
**** CALCULATED AS NET PROFITS DIVIDED BY EQUITY VALUE.

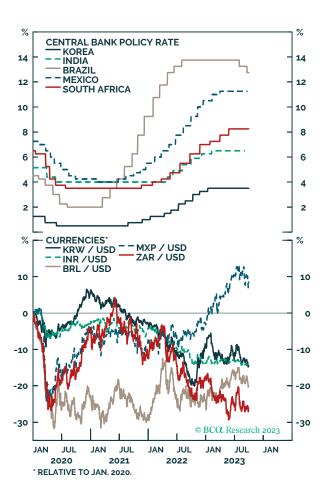
| Emerging Markets

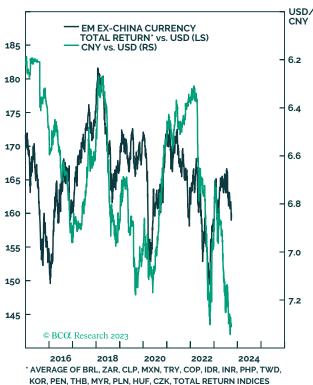


- * SOURCE: S&P GLOBAL / MARKIT ECONOMICS LTD.
- ** SHOWN AS A NATURAL LOG; SOURCE: MSCI INC. (SEE COPYRIGHT DECLARATION).



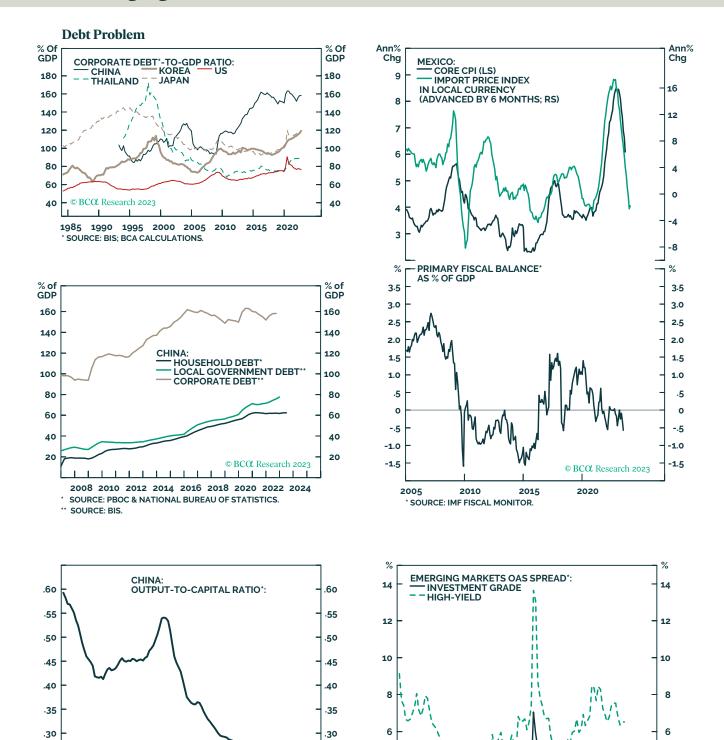






(INCLUDING CARRY); SOURCE: BLOOMBERG FINANCE L.P.

| Emerging Market Debt



.25

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2008

NOTE: 2020 DATA SHOWN SMOOTHED DUE TO COVID:

SOURCE OF CAPITAL STOCK DATA: OXFORD ECONOMICS.

2012

ANNUAL CHANGES IN REAL CAPITAL SPENDING AVERAGED OVER 3 YEARS DIVIDED BY ANNUAL CHANGES IN REAL GDP AVERAGED OVER 3 YEARS.

2016

2020

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2016

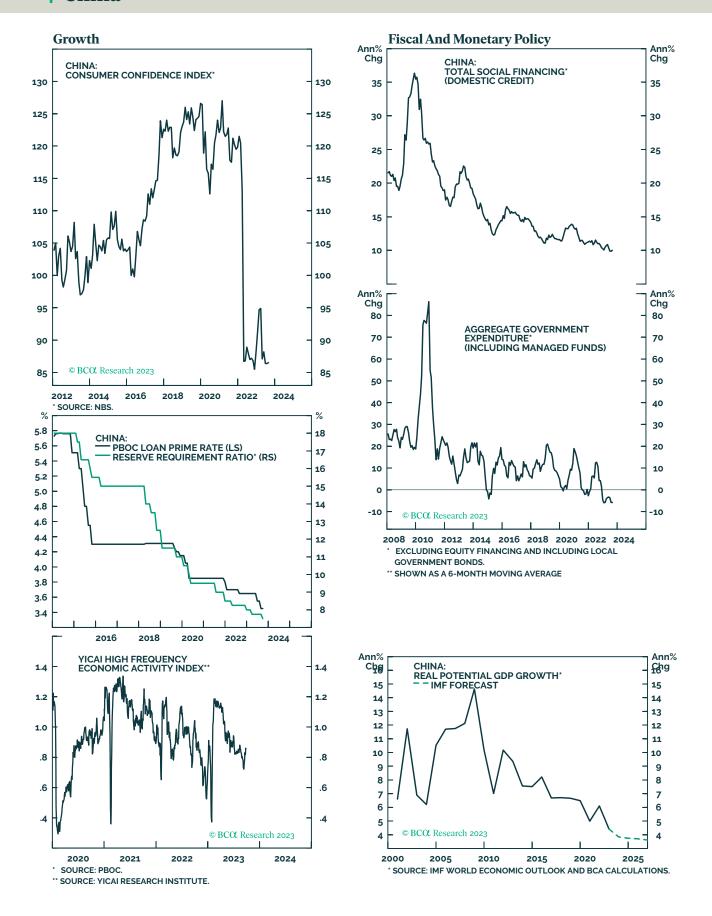
2018

* SOURCE: BLOOMBERG BARCLAYS INDICES.

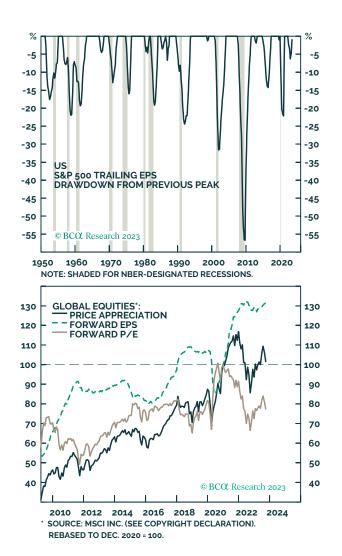
2020

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China

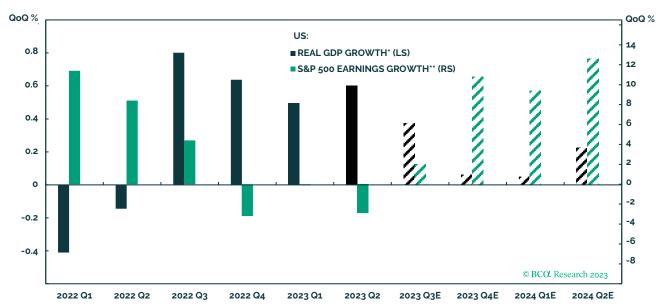


| Equities: Earnings



	FORWARD P/E RATIO (x)	FORWARD 12-MONTH EPS GROWTH (%)
	(x)	GROWTH (%)
CONSUMER STAPLES	17.6	7.5
HEALTH CARE	17.3	-0.3
UTILITIES	13.1	15.4
REAL ESTATE	20.3	-9.8
FINANCIALS	10.2	2.2
MATERIALS	13.5	-20.9
ENERGY	10.0	-18.0
INDUSTRIALS	16.4	3.0
INFO TECH	23.1	2.1
COMMUNICATION SERV.	16.4	10.1
CONSUMER DISC.	17.6	14.5
MSCI ACWI	15.5	1.9

SOURCE: MSCI INC (SEE COPYRIGHT DELARATION). AS OF END OF SEPTEMBER 2023.

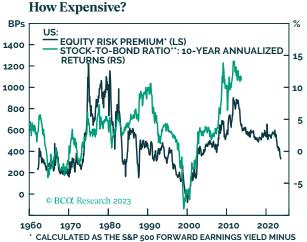


^{*} SOURCE: US BUREAU OF ECONOMIC ANALYSIS; FORECASTED DATA FROM BLOOMBERG FINANCE L.P.

NOTE: BARS WITH DASHED FILLING DENOTE CONSENSUS FORECAST QUARTERLY GROWTH.

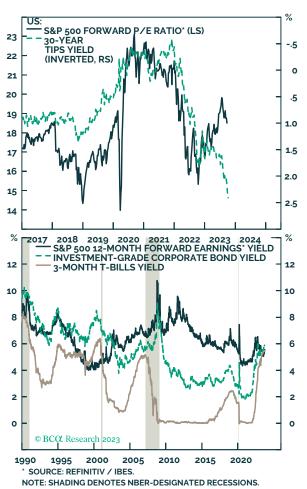
[&]quot; SOURCE: REFINITIV IBES.

| Equities: Valuations And Sentiment

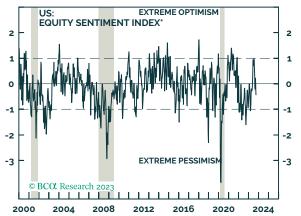


US 10-YEAR TIPS YIELD. TRAILING EARNINGS YIELD USED BEFORE 1985, AND BCA ADAPTIVE INFLATION EXPECTATIONS MODEL USED TO CALCULATE REAL YIELD PRIOR TO 2003.

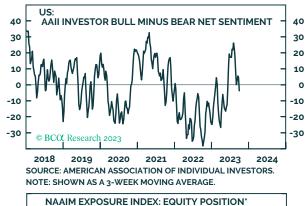
" TOTAL RETURNS USING BLOOMBERG INDICES AND IBBOTSON ASSOCIATES.



Sentiment



* BCA CALCULATIONS; BASED ON BULL-BEAR RATIO, VIX, AND PUT-CALL RATIO SHOWN SMOOTHED EXCEPT LATEST DATA POINT.





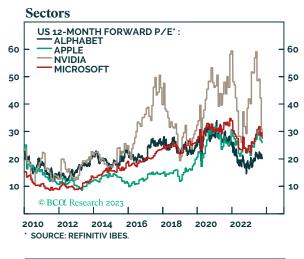
SOURCE: NATIONAL ASSOCIATION OF ACTIVE INVESTMENT MANAGERS.

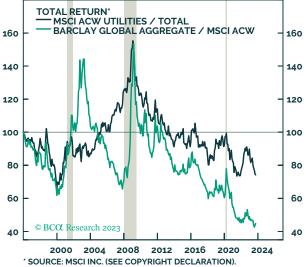


| Equities: Sectors And Styles







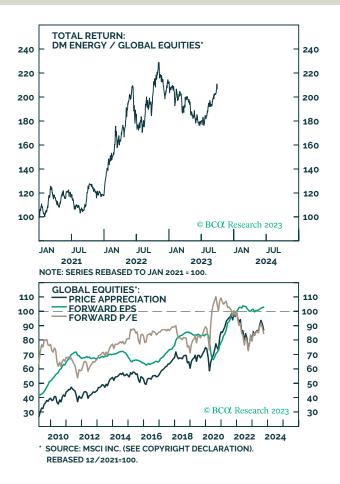


REBASED TO DEC. 1995.
NOTE: SHADED AREAS DENOTE NBER-DESIGNATED RECESSIONS.

		Forward Earnings Growth (%)									
		-30	-20	-10	0	10	20	30			
	10	1667	1905	2143	2381	2619	2857	3095			
	11	1833	2095	2357	2619	2881	3143	3404			
	12	2000	2286	2571	2857	3143	3428	3714			
	13	2166	2476	2785	3095	3404	3714	4023			
<u> </u>	14	2333	2666	3000	3333	3666	4000	4333			
Forward	15	2500	2857	3214	3571	3928	4285	4642			
균	16	2666	3047	3428	3809	4190	4571	4952			
	17	2833	3238	3643	4047	4452	4857	5261			
	18	3000	3428	3857	4285	4714	5142	5571			
	19	3166	3619	4071	4523	4976	5428	5880			
	20	3333	3809	4285	4762	5238	5714	6190			

AS OF SEPTEMBER 29, 2023.

| Equity Market Dynamics

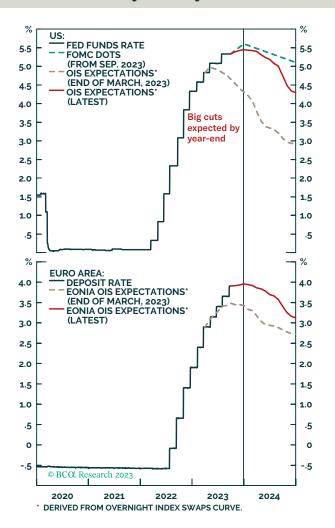


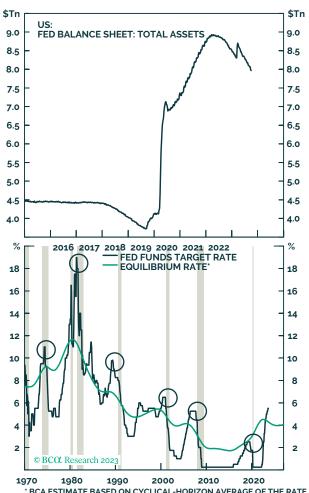


SECTOR WEIGHTS	GLOBAL	US	EURO AREA	UK	JAPAN	EMERGING MARKETS
FINANCIALS	15.8	12.4	17.9	18.7	12.8	22.2
INFORMATION TECHNOLOGY	21.6	27.8	11.5	0.9	13.6	20.2
HEALTHCARE	11.9	13.2	8.3	13.2	8.5	3.8
CONSUMER DISCRETIONARY	11.2	10.8	16.2	5.6	19.4	13.7
INDUSTRIALS	10.4	8.7	16.1	11.0	22.5	6.7
COMMUNICATION SERVICES	7.6	8.8	4.4	2.7	7.2	9.6
CONSUMER STAPLES	7.1	6.3	7.9	18.3	6.1	6.2
ENERGY	5.2	4.7	5.1	14.4	0.9	5.2
MATERIALS	4.5	2.5	5.6	10.5	4.6	8.0
UTILITIES	2.6	2.3	6.1	4.0	1.2	2.6
REAL ESTATE	2.1	2.5	0.9	0.7	3.2	1.8

AS OF SEPTEMBER 29, 2023.

| Monetary Policy





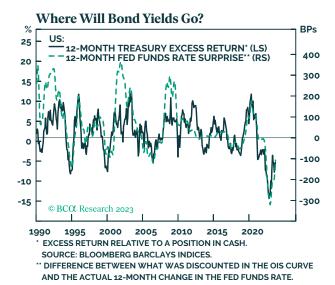
 $^{\circ}$ BCA ESTIMATE BASED ON CYCLICAL-HORIZON AVERAGE OF THE RATE ITSELF AND POTENTIAL GDP GROWTH RATE.

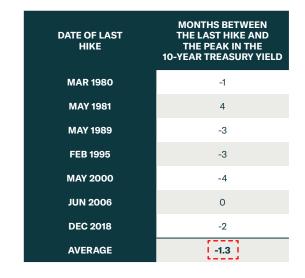
NOTE: SHADED AREAS DENOTE THE NBER DESIGNATED RECESSIONS.

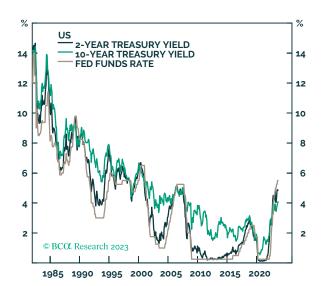
First Fed Rate Hike	Fed Funds Rate Above Equilibirum	Last Rate Hike	Recession	Rate Hike (BPs)	Months Of Hiking	First Hike → Recession (Months)	Above Equilibrium → Recession (Months)	Last Rate Hike → Recession (Months)
Mar/1972	Jun/1973	Apr/1974	Nov/1973	400	26	20	5	-6
Aug/1977	Sep/1979	Mar/1980	Jan/1980	1175	32	29	4	-3
Oct/1980	Oct/1980	Feb/1981	Jul/1981	650	5	9	9	4
Mar/1983	Jul/1983	Aug/1984		294	18			
Dec/1986	May/1988	May/1989	Jul/1990	394	30	44	26	14
Feb/1994	Nov/1994	Feb/1995		300	13			
Aug/1999	Nov/1999	May/2000	Mar/2001	150	10	19	16	9
Jun/2004	Dec/2005	Jun/2006	Dec/2007	425	25	43	24	18
Dec/2015	*	Dec/2018	Feb/2020	225	37	51		14
Mar/2022	Dec/2022	??	??	525				
	Mean (Month	s)			22	31	14	7
	Median (Mon	ths)			25	29	13	9

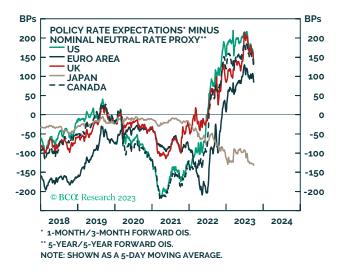
*NOTE: FED FUNDS RATE ALMOST REACHED NEUTRAL IN DEC-2018.

| Fixed Income







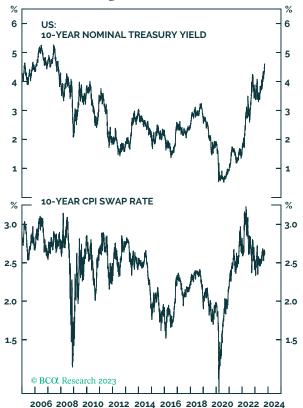


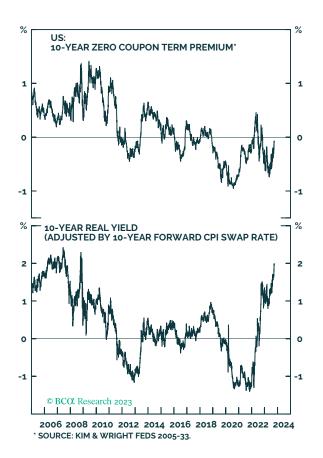
	IMPLIED 1-YEAR RETURNS (%) OF A 10-YEAR GOVERNMENT BOND BASED ON DIFFERENT YIELD LEVELS										
Yield Level	US	GERMANY	FRANCE	SWITZERLAND	JAPAN	UK	AUSTRALIA				
6.0%	-5.8	-22.1	-16.6	-40.6	-44.6	-7.0	-6.6				
5.5%	-2.2	-18.1	-12.8	-36.4	-40.3	-3.3	-2.9				
5.0%	1.5	-14.2	-8.9	-32.1	-36.0	0.3	0.7				
4.5%	5.1	-10.3	-5.0	-27.9	-31.6	4.0	4.4				
4.0%	8.8	-6.3	-1.2	-23.6	-27.3	7.7	8.1				
3.5%	12.4	-2.3	2.7	-19.3	-23.0	11.4	11.7				
3.0%	16.1	1.6	6.5	-15.1	-18.6	15.1	15.4				
2.5%	19.7	5.6	10.4	-10.8	-14.3	18.8	19.1				
2.0%	23.4	9.5	14.3	-6.5	-9.9	22.5	22.8				
1.5%	27.1	13.5	18.1	-2.3	-5.6	26.2	26.5				
1.0%	30.7	17.4	22.0	2.0	-1.2	29.9	30.1				
0.5%	34.4	21.4	25.9	6.3	3.1	33.6	33.8				
0.0%	38.0	25.4	29.8	10.6	7.5	37.3	37.5				
-0.5%	41.7	29.3	33.6	14.9	11.9	41.1	41.2				
-1.0%	45.4	33.3	37.5	19.1	16.2	44.8	44.9				
-1.5%	49.1	37.3	41.4	23.4	20.6	48.5	48.6				
-2.0%	52.7	41.3	45.3	27.7	24.9	52.2	52.3				

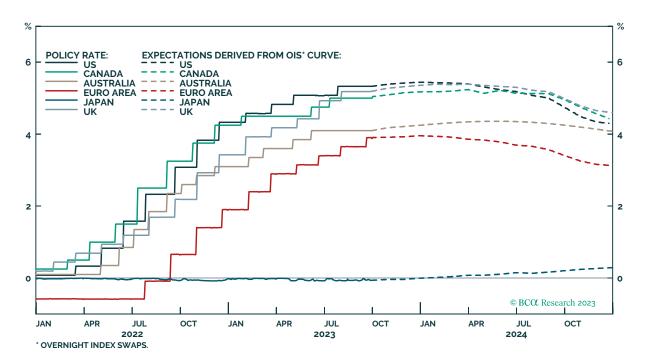
 $^{^{\}circ}$ CALCULATION INCLUDES CURRENT YIELD, ROLLDOWN AND PRICE CHANGES.

| Fixed Income: US Treasurys

What Is Driving Bond Yields?





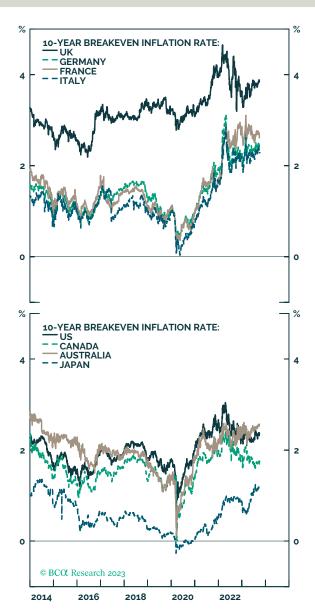


| Fixed Income: Global Government Bonds



2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 * BCA PROPRIETARY INDICATOR CONSISTING OF ECONOMIC AND FINANCIAL VARIABLES. READINGS BELOW ZERO INDICATE PRESSURE ON CENTRAL BANK TO EASE POLICY AND READINGS ABOVE ZERO INDICATE PRESSURE TO TIGHTEN.





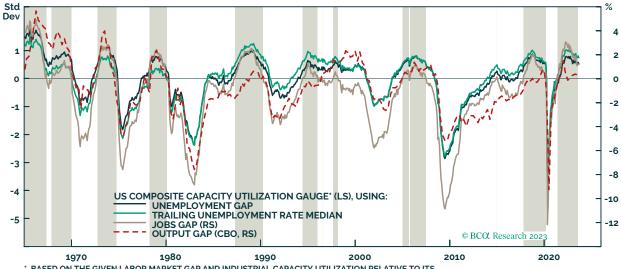
- SOURCE: BLOOMBERG FINANCE L.P.
- *** SOURCE: CONGRESSIONAL BUDGET OFFICE (CBO).
- **** SPLICED WITH BCA ADAPTIVE EXPECTATIONS MODEL PRIOR TO 2003.

Recession Start	Recession End	Bond Yield Peak	Bond Yield Trough	Bond Yield Peak %	Bond Yield Trough %	Decline % Pts	Peak Months Rel To Start Of Recession	Trough Months Rel To End Of Recession
Apr-57	Apr-58	Oct-57	Jun-58	3.97	2.97	-1.00	6	2
Apr-60	Feb-61	Jan-60	May-61	4.72	3.71	-1.01	-3	3
Dec-69	Nov-70	Dec-69	Dec-71	7.88	5.89	-1.99	0	13
Nov-73	Mar-75	Sep-75	Jun-77	8.48	7.20	-1.28	22	27
Jan-80	Nov-82	Sep-81	Feb-83	15.84	10.27	-5.57	20	3
Jul-90	Mar-91	Apr-90	Sep-93	9.04	5.40	-3.64	-3	31
Mar-01	Nov-01	Jan-00	Sep-02	6.68	3.63	-3.05	-14	10
Dec-07	Jun-09	Jun-06	Dec-08	5.15	2.25	-2.90	-18	-6
Feb-20	Apr-20	Oct-18	Jul-20	3.15	0.55	-2.60	-16	3
Median						-2.60	-3	3
Average						-2.56	-1	10

NOTE: COMBINED THE JAN 1980-JUL 1980 AND JUL 1981-NOV 1982 RECESSIONS.

| Fixed Income: Global Bond Comparisons

10-Year Government Bond Yield (%) Hedged Into							
Region Country	Current Yield (%)	USD	GBP	EUR	JPY	CAD	AUD
US	4.57	4.57	4.30	2.73	-1.85	3.95	3.26
GERMANY	2.84	4.65	4.38	2.84	-1.66	4.03	3.36
FRANCE	3.40	5.21	4.94	3.40	-1.10	4.59	3.92
SPAIN	3.93	5.74	5.48	3.93	-0.56	5.13	4.46
ITALY	4.78	6.59	6.33	4.78	0.29	5.98	5.31
JAPAN	0.77	6.80	6.54	5.07	0.77	6.21	5.57
UK	4.44	4.71	4.44	2.87	-1.70	4.08	3.40
CANADA	4.03	4.65	4.38	2.82	-1.73	4.03	3.35
AUSTRALIA	4.49	5.78	5.51	3.96	-0.56	5.16	4.49
NEW ZEALAND	5.31	5.33	5.06	3.49	-1.09	4.71	4.02
SWEDEN	2.96	4.96	4.70	3.16	-1.33	4.35	3.68
SWITZERLAND	1.10	5.24	4.98	3.47	-0.91	4.64	3.99

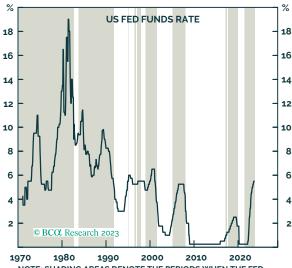


BASED ON THE GIVEN LABOR MARKET GAP AND INDUSTRIAL CAPACITY UTILIZATION RELATIVE TO ITS
5-YEAR MEDIAN. THE UNEMPLOYMENT GAP AND TRAILING UNEMPLOYMENT MEASURES ARE STANDARDIZED.
NOTE: SHADED AREA DENOTE PERIOD WHEN THE COMPOSITE CAPACITY UTILIZATION GAUGE IS ABOVE 0.



^{*} DIFFERENCE BETWEEN CORE PCE INFLATION AND INFLATION TARGET OF 2%.

NOTE: SHADING AREAS DENOTE THE PERIODS WHEN THE FED MISSED ITS INFLATION TARGET BY MORE THAN ITS UNEMPLOYMENT TARGET.

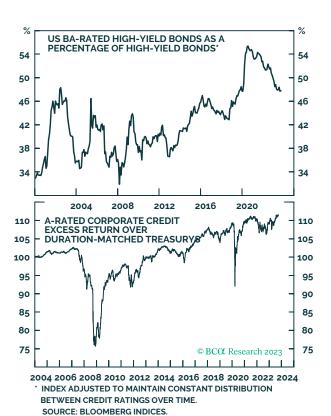


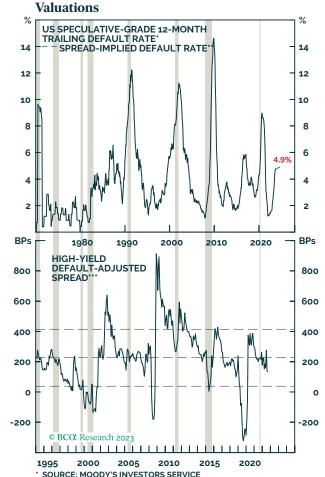
NOTE: SHADING AREAS DENOTE THE PERIODS WHEN THE FED MISSED ITS INFLATION TARGET BY MORE THAN ITS UNEMPLOYMENT TARGET.

^{**} DIFFERENCE BETWEEN UNEMPLOYMENT RATE AND LATEST NAIRU ESTIMATES; SOURCE: BLS, CBO.

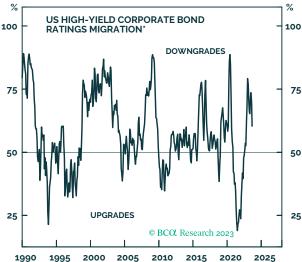
| Fixed Income: Credit







- "BASED ON CURRENT HIGH-YIELD CORPORATE BOND SPREAD,
 DEFAULT-ADJUSTED SPREAD OF 100 BPs AND A 40% RECOVERY RATE.
 NOTE: SHADED AREAS DENOTE NBER-DESIGNATED RECESSIONS.
- **** OPTION-ADJUSTED SPREAD LESS ESTIMATED DEFAULT LOSSES. SOURCE: BLOOMBERG BARCLAYS INDICES. DASHED HORIZONTAL LINES DENOTE HISTORICAL MEAN +/- ONE STANDARD DEVIATION.

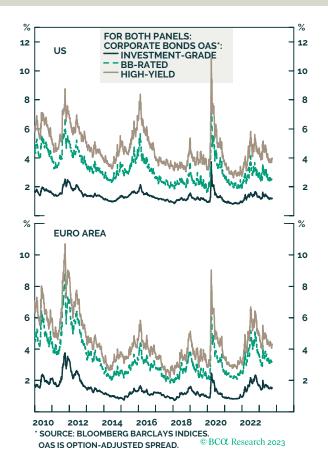


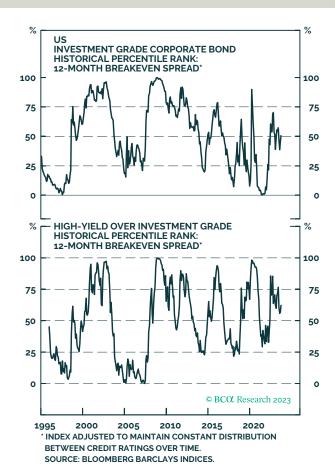
1990 1995 2000 2005 2010 2015 2020 2025

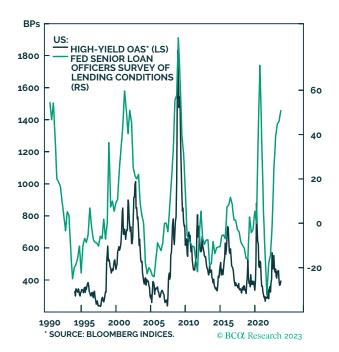
DOWNGRADES AS A % OF TOTAL RATINGS CHANGES, SHOWN
AS A 3-MONTH MOVING AVERAGE.

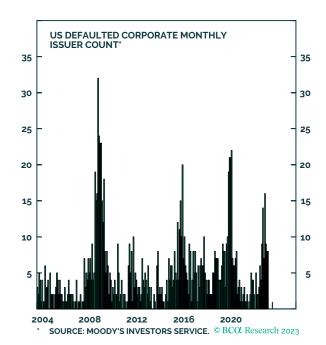
SOURCE: MOODY'S INVESTORS SERVICE.

| Credit Markets

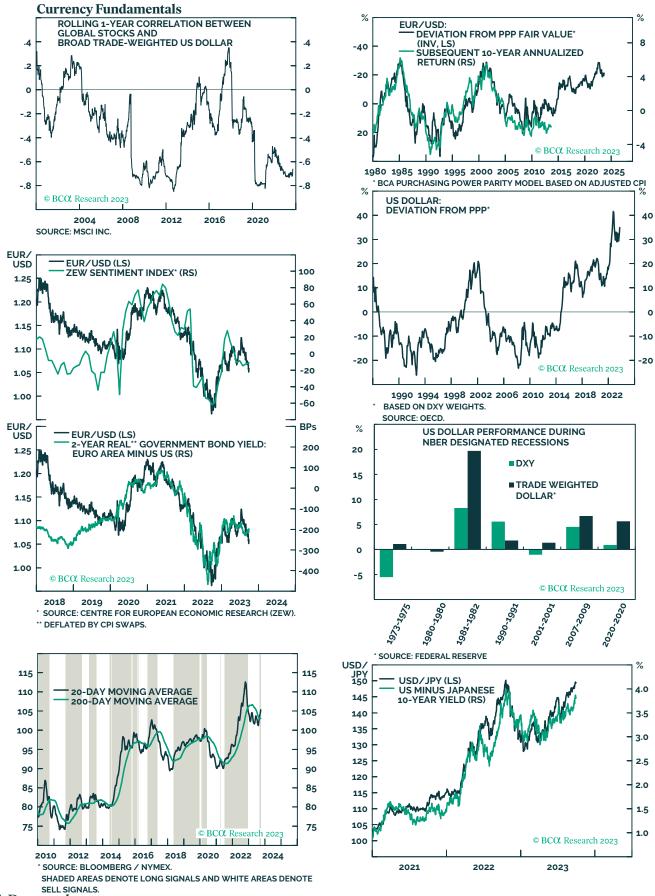




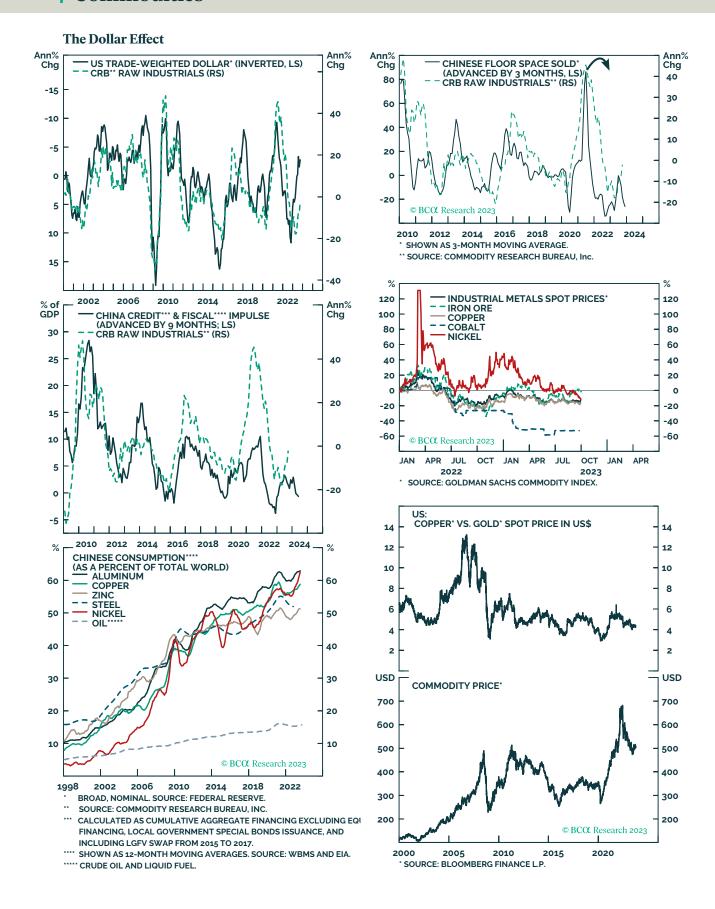




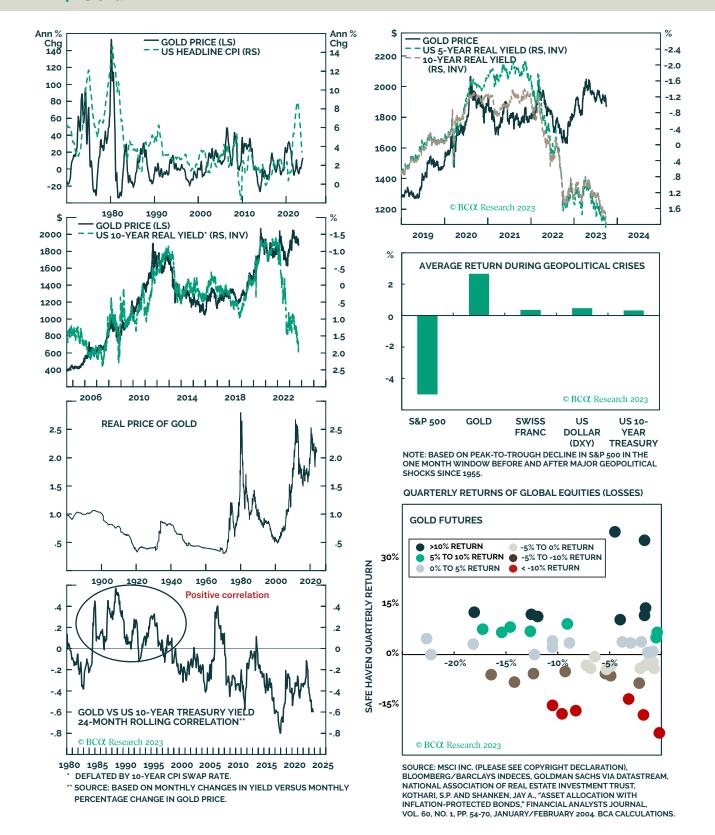
Currencies

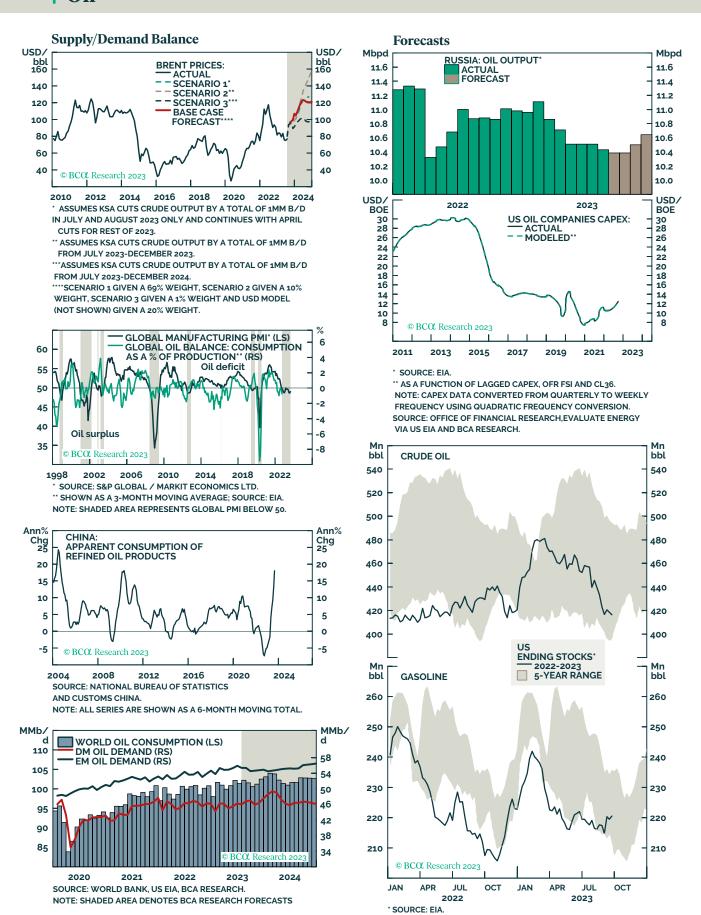


| Commodities

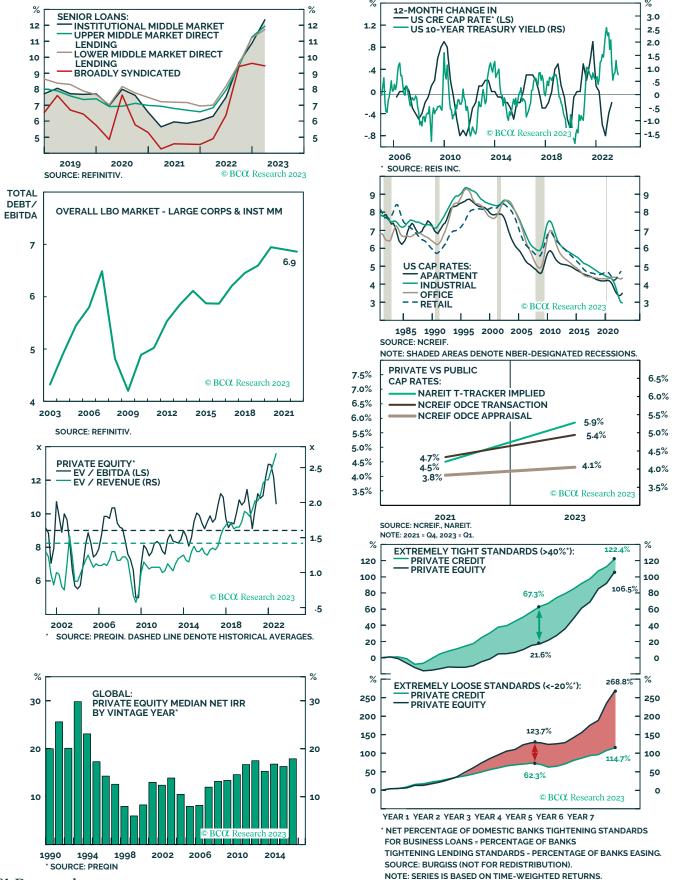


Gold





Private Markets & Alternatives

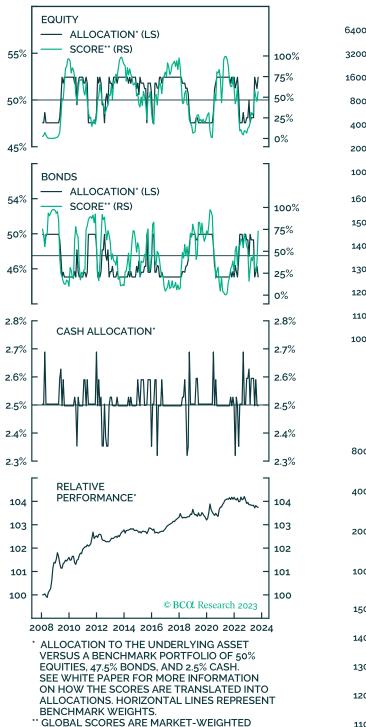


Real Estate

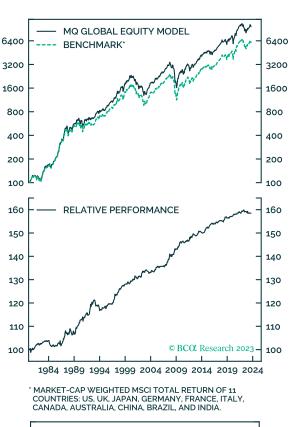
| MacroQuant Model

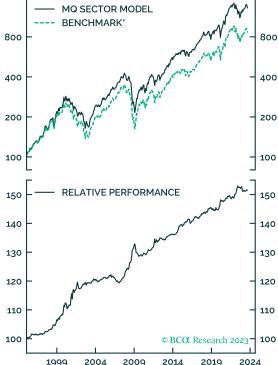
Asset Allocation	Bench	MQ	Dev.	Chg.
Equities	50.0%	52.4%	+2.4%	+1.2%
Bonds	47.5%	45.1%	-2.4%	-1.2%
Cash	2.5%	2.5%	-0.003%	-0.002%
Global Equities				
US	71.5%	79.3%	+7.7%	-1.1%
India	1.9%	2.0%	+0.1%	-0.01%
Brazil	0.7%	0.6%	-0.1%	-0.02%
Japan	6.4%	6.1%	-0.3%	+0.6%
Italy	0.7%	0.3%	-0.4%	-0.04%
Canada	3.3%	2.6%	-0.7%	+0.2%
Australia	2.0%	1.3%	-0.8%	+0.3%
China	3.6%	2.6%	-1.0%	+0.3%
Germany	2.3%	1.2%	-1.1%	-0.6%
UK	4.2%	2.8%	-1.4%	+1.0%
France	3.3%	1.3%	-2.0%	-0.6%
Global Sectors				
Technology	21.6%	29.1%	+7.5%	+2.5%
Energy	5.3%	7.6%	+2.3%	+0.6%
Consumer Discretionary	10.8%	11.6%	+0.8%	+0.4%
Communication Services	7.3%	7.8%	+0.5%	-0.1%
Health Care	12.9%	12.9%	+0.1%	-0.4%
Consumer Staples	7.2%	7.1%	-0.1%	-1.6%
Real Estate	2.3%	1.7%	-0.6%	+0.1%
Materials	4.1%	3.3%	-0.7%	-0.7%
Utilities	2.6%	1.8%	-0.9%	+0.1%
Industrials	10.8%	9.7%	-1.2%	-1.0%
Financials	15.0%	7.3%	-7.7%	+0.1%

| MacroQuant Model



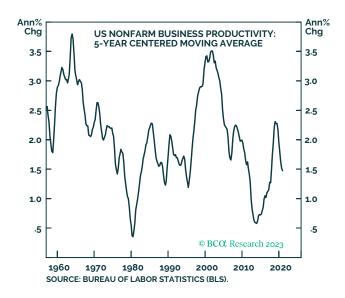
SUMS OF THE INDIVIDUAL ASSET SCORES.

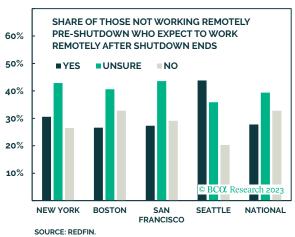


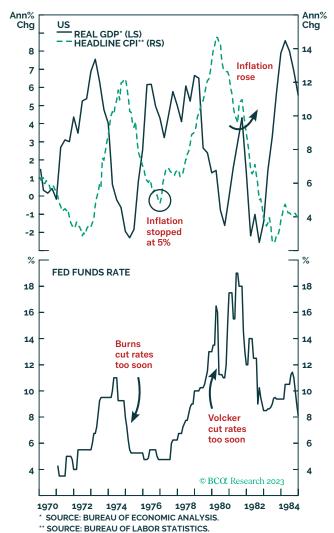


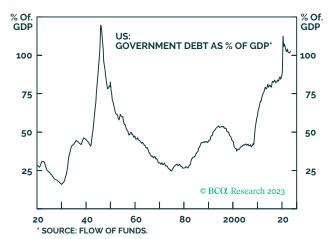
* BASED ON MSCI WORLD RETURNS AND MARKET WEIGHTS IN US DOLLARS.

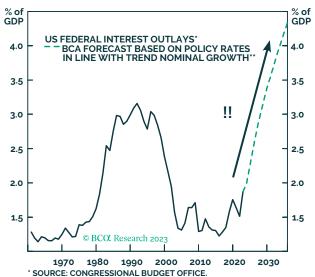
| Long-Term Structural Themes





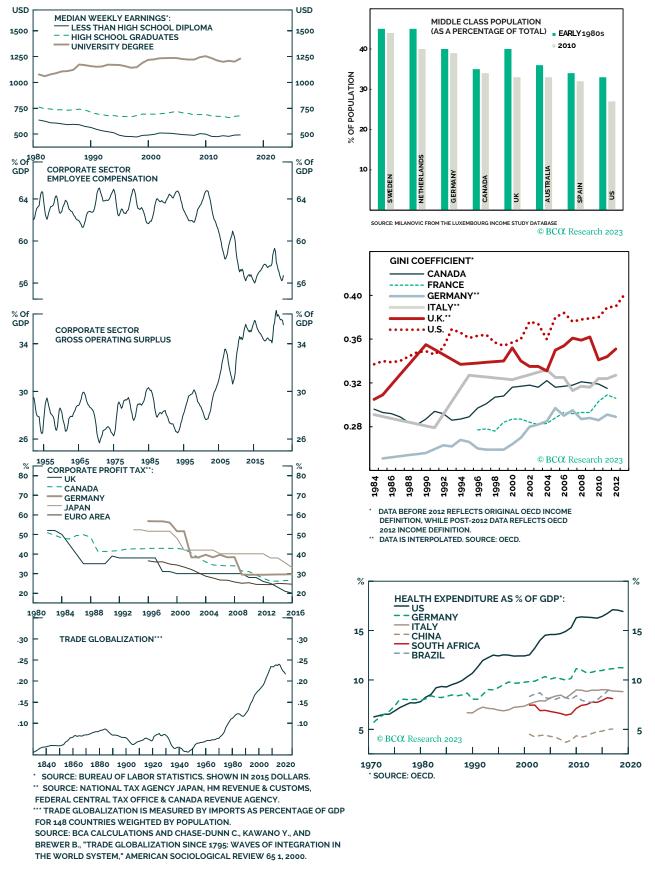






^{**} SOURCE: BCA CALCULATIONS.

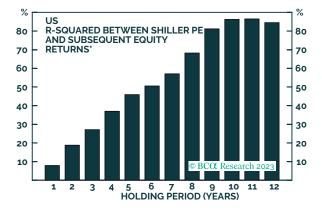
| Shift To Populism

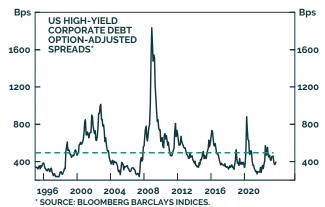


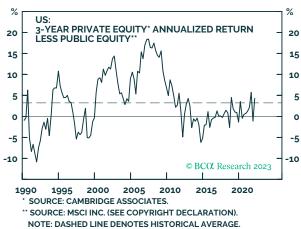
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| What Returns Can You Expect?

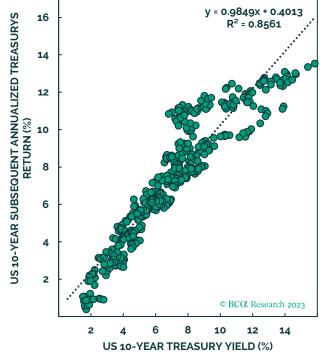
BCA Research Global Asset Allocation (GAA) Assumed Returns					
	Published In August 2023 Report	Published In June 2022 Report	Historical (20-Year) Annualized Return		
US Large Cap	5.0%	5.2%	9.9%		
International Ex. US Equities	5.6%	4.8%	7.0%		
EM Equities	6.4%	6.6%	9.0%		
Global Fixed Income Aggregate	3.5%	2.6%	2.6%		
US Fixed Income Agregate	4.9%	4.0%	3.1%		
Hedge Funds	8.0%	6.0%	5.4%		
Private Equity	9.5%	9.3%	15.0%		
US 50/30/20 Portfolio	5.5%	5.3%	7.4%		

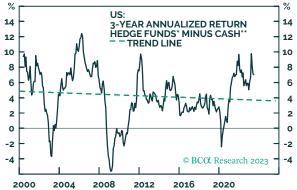








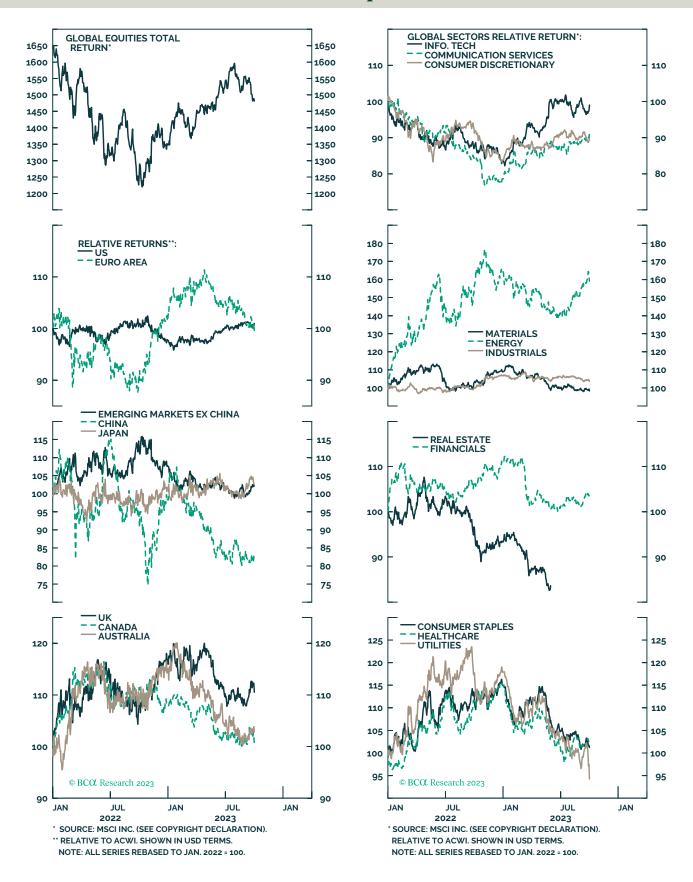




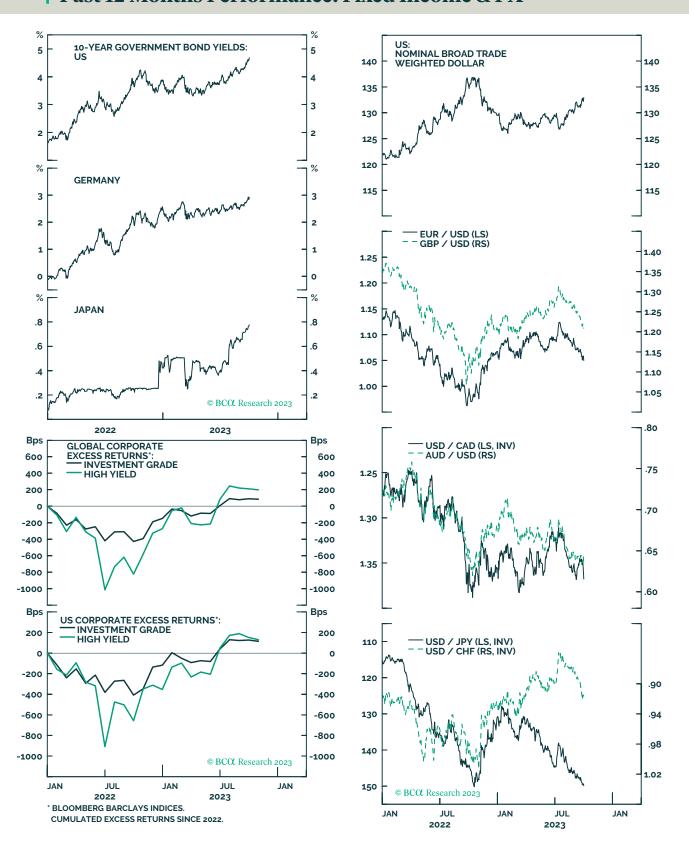
* SOURCE: HEDGE FUND RESEARCH INDICES. ** SOURCE: BLOOMBERG BARCLAYS INDICES.

SOURCE: BLOOMBERG BARCLAYS INDICES. BASED ON MONTHLY DATA FROM 1973.

| Past 12 Months Performance: Equities



| Past 12 Months Performance: Fixed Income & FX



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TOP DOWN CHARTS

Chart driven macro insights for investors

Charts for panel discussion

1. Introduction



Topdown Charts Limited is a New Zealand registered and headquartered company, founded on the 5th of September 2016. Topdown Charts is a 100% independent pure investment research firm.

The focus of the research is global economics and asset allocation. The aim is to serve as a trusted and valued resource for portfolio managers and investment advisors. This is achieved by delivering high quality insights, innovative and original research, and personalized service - with the perspective of a multi-asset portfolio manager front of mind.



Callum Thomas

Head of Research

Callum is founder and head of research at Topdown Charts. Prior to starting the business he worked in investment strategy at AMP Capital, AXA Global Investors, and the New Zealand Stock Exchange. Having spent his career in Australia and New Zealand he has by necessity developed a strong global focus, and sound capability in chart-driven top-down analysis for asset allocation.

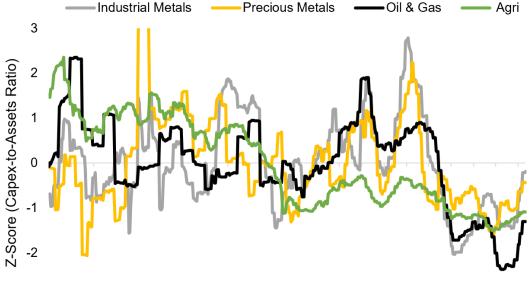
Callum holds a Masters in Banking, Masters in Finance, and Bachelor's degree in Finance all earned at Massey University.

1. Inflation Pressures – Commodities & Capacity

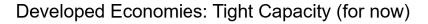


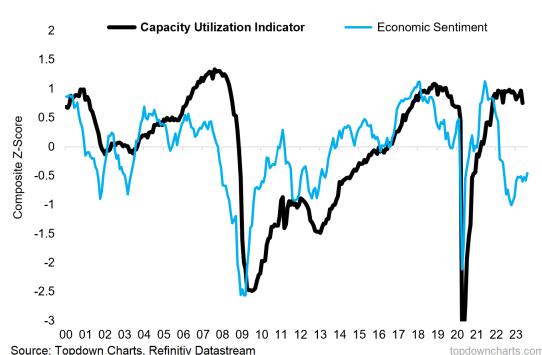
Cyclical & Structural: An 8-year commodity capex depression (spurred on by a number of factors) has written the future for commodity prices as supply growth has been constrained (and thematic drivers abound e.g. infrastructure investment, reshoring, energy transition, geopolitics, space). Meanwhile, capacity utilization remains tight despite the multiple shocks to economic confidence. Hence there are credible risks to higher-for-longer inflation...

Commodity Capex: long period of underinvestment — Industrial Metals — Precious Metals — Oil & Gas — Agri



81 83 85 87 89 91 93 95 97 99 01 03 05 07 09 11 13 15 17 19 21 23 Source: Topdown Charts, Refinitiv Datastream topdowncharts.com



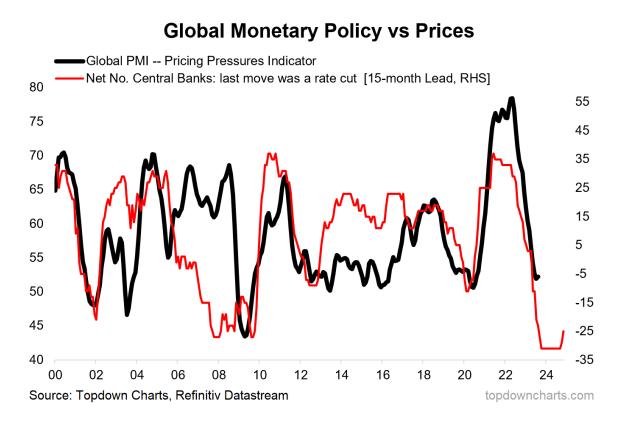


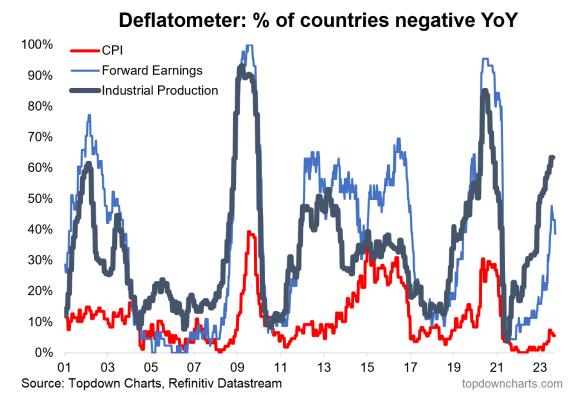
topdowncharts.com

1. Inflation – Cyclical Aspect and *Deflation* Risk



Can't Escape the Cycle around the Trend: With a shocking pace, breadth, and magnitude of monetary tightening globally, the cure may be worse than the disease. Ultimately a central banker has only one real avenue to get inflation down on a cyclical basis: demand destruction.



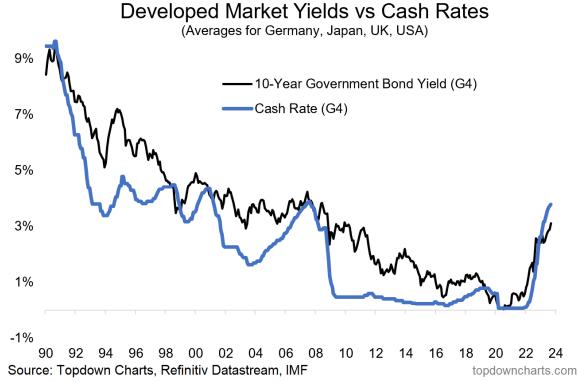


1. Higher for longer?



Inflation, cash rates, and bond yields: To the extent that inflation finds a new higher floor, and to the extent that resurgence risk presents, and to the extent that central bankers might end up avoiding recession, there is a real prospect that bond yields stay elevated. But again, we need to be careful getting too tangled up in the sentiment/projection biases and the cycle vs trend.

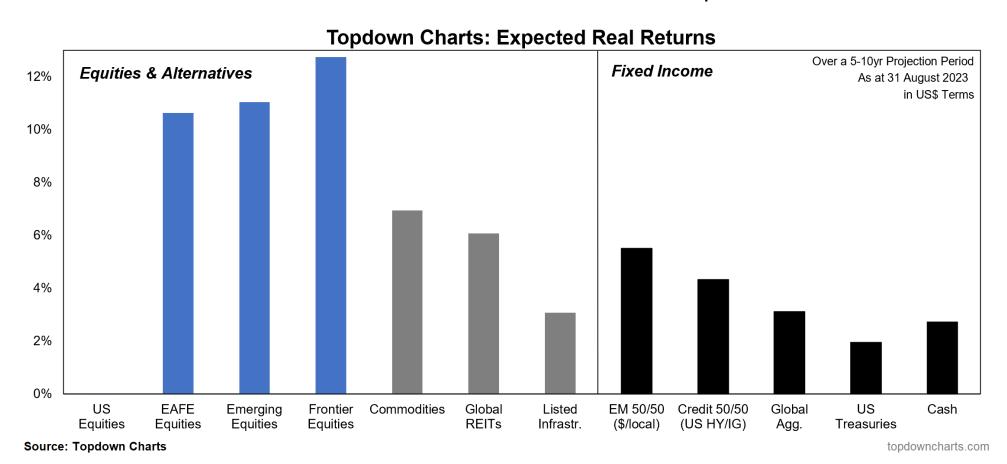




1. Future-Thinking – risk vs return...



Unusual: The forward-looking expected return backdrop is very different from the past decade, and maybe the projections end-up wrong (maybe it's "different this time"), but most investors are going to need to venture outside of the comfort zone of what worked in the past.

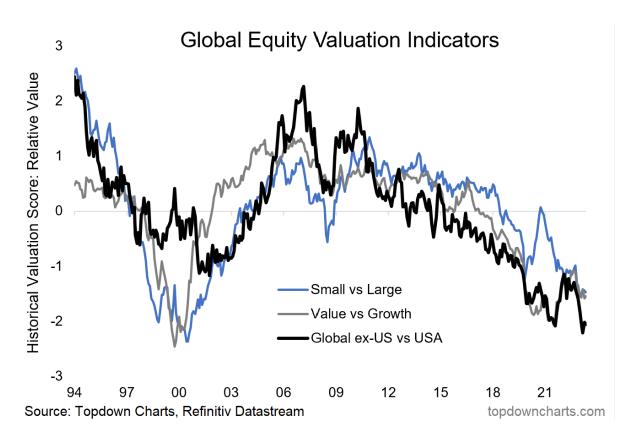


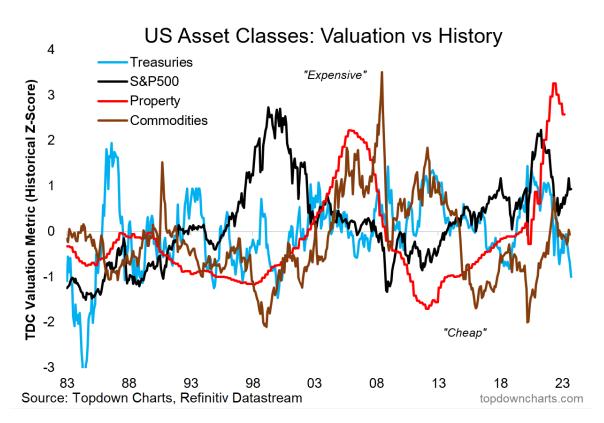
Projections as 31 August 2023, based on expected trend earnings growth, dividend yield, valuation mean-reversion adjustment, hedging and FX changes, yield to maturity, trend nominal GDP. Over a 5-10yr Projn. Period. Figures are subject to change and are not a guarantee of performance or offer of securities. Full details on methodology available on request. Adjusted for long-term expected inflation. Not adjusted for fees/tax/alpha.

1. Where's the Value?



Seeking Value: Across asset classes, property market valuations remain problematic, US stocks (especially big tech) are expensive (but global is cheap vs US, small cheap vs large, and value cheap vs growth). Meanwhile commodities are about fair value, and bonds are cheap. For the value-driven asset allocators, this means due nuance at the asset class level, and within equities.





7

For more information about Topdown Charts, the service, or indeed any questions about this pack please get in contact.

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Best regards,

Callum Thomas Head of Research **Topdown Charts Limited**

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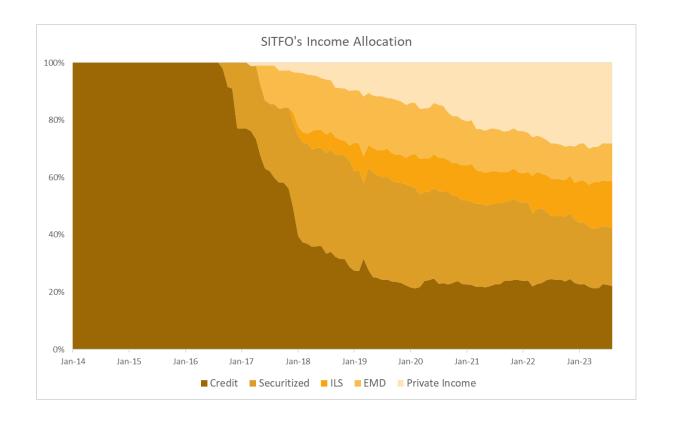
Break

October 2023

Income Panel

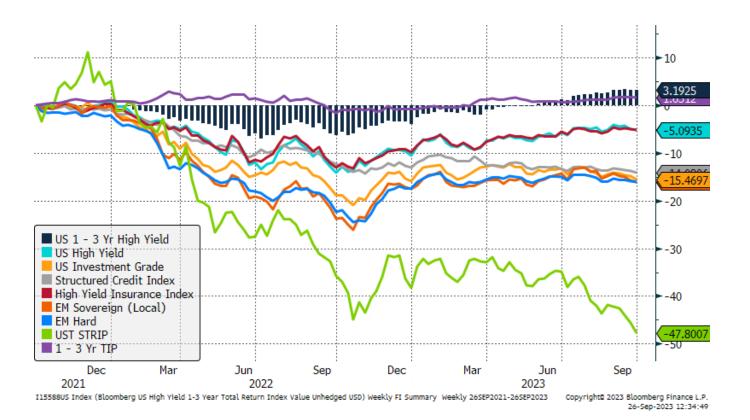


Evolution of SITFO's Income Portfolio





Income Markets Overview



51116

Panelists



Keerthi Raghavan Head of ABS at Waterfall

- Barclays
- Indian Institute of Management



Michael Haynes

PM of Private Debt and
Special Sits at Beach Point

- Post Advisory Group
- Babcock & Brown
- Sirius Satellite Radio
- Tufts University



Stephen Nesbitt
Founder/CEO of Cliffwater

- Wilshire Associates
- The Wharton School of the University of Pennsylvania

SITFO

Lunch

Peers Panel

Closing Remarks