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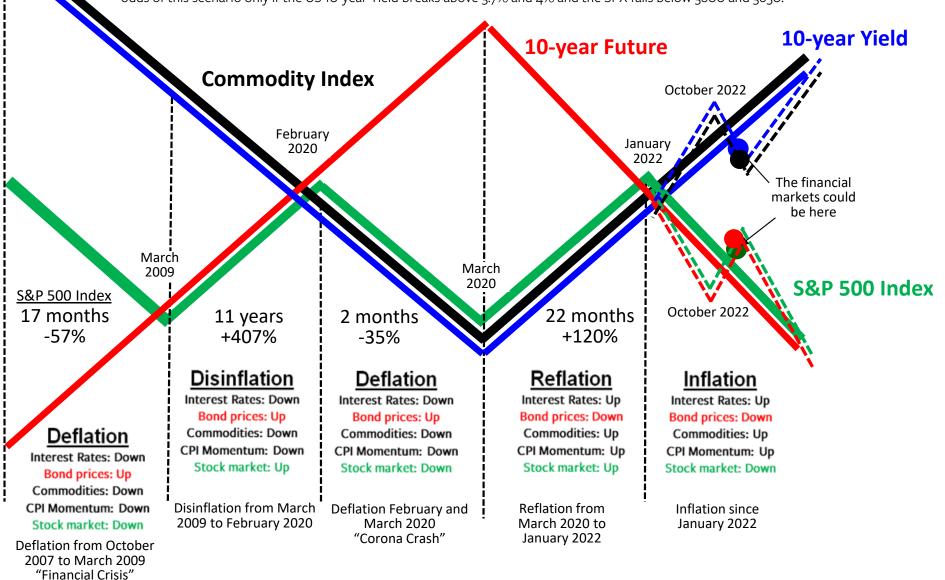
# **BERTSCHIS CHART OUTLOOK**

**Global Markets** 

23<sup>rd</sup> January 2023 Issue 2023 / # 4

### Seasonal Financial Market Model Update - INFLATION will reaccelerate (15% probability)

I am listing the scenario below although it has the lowest probability of the 3 scenarios, discussed on pages 2 to 7. It says that the phase of Inflation from January 2022 was interrupted only medium term by the Disinflation (stock market rally and yield decline), which began in October 2022. It would mean that the Consumer Price Index will reaccelerate upwards and that the slowdown, which started in June 2022, is only temporary. This could be because of another energy / commodity crisis or economic growth. This would mean that the long-term UPTREND in the 10-year Yield (marked blue) and the DOWNTREND in the stock market (marked green) are about to resume. But, because the FED is so determined to bring Inflation down to 2%, I do not give this scenario a very high probability. Moreover, I would meaningfully raise the odds of this scenario only if the US 10-year Yield breaks above 3.7% and 4% and the SPX falls below 3800 and 3650.

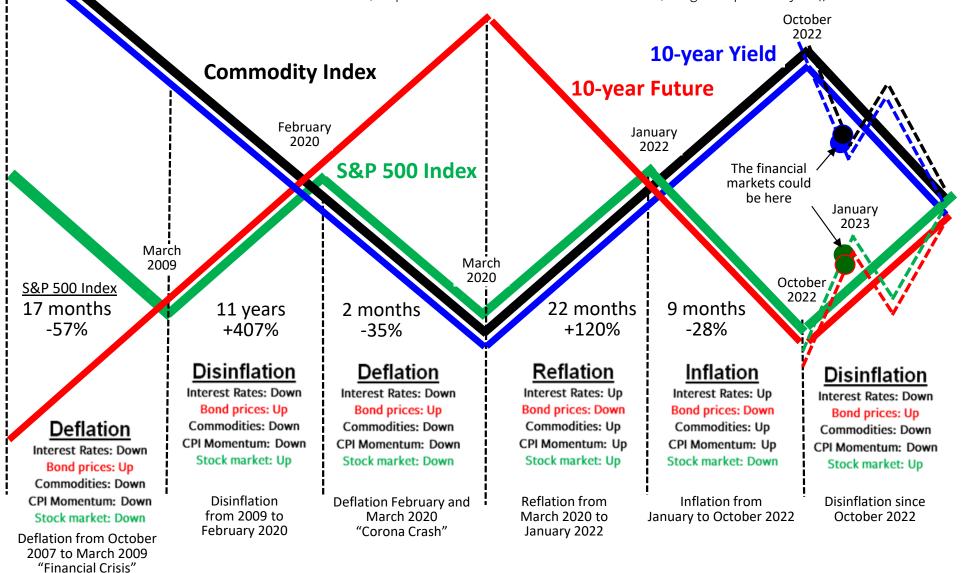


Bertschis Chart Outlook

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### Seasonal Financial Market Model Update - DISINFLATION remains in place (47% probability)

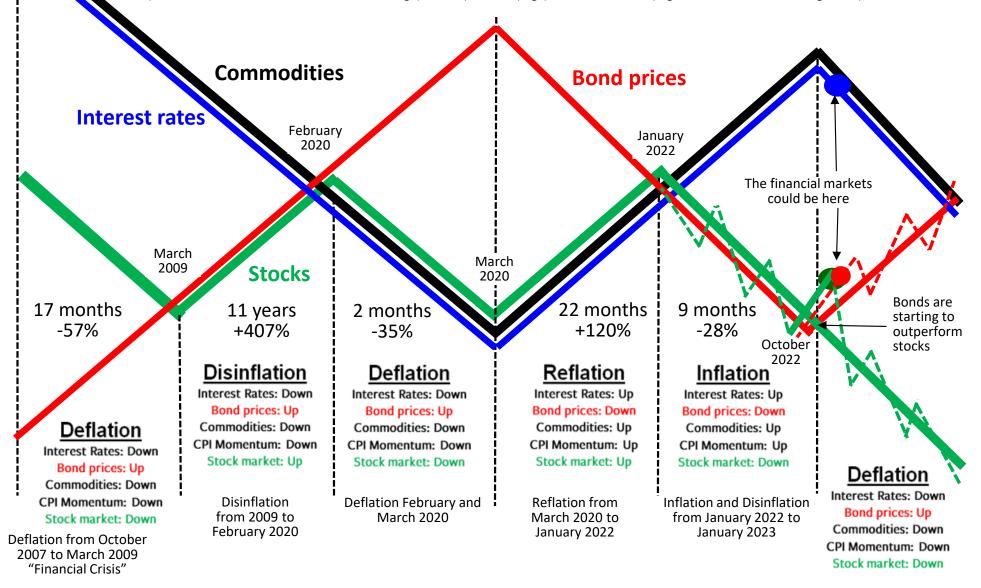
A possible scenario is that the Cycle shifted from long-term INFLATION to long-term DISINFLATION in October 2022. This means that the rise in the stock market from October is a new long-term uptrend. It could be confirmed if, for example, the S&P 500 Index breaks above the long-term momentum reversal, presently positioned at 4212. This would signal a new upturn in the long-term momentum indicator and thus signal a new long-term uptrend. This scenario is supported by the fact that quite a few stock markets have recovered more than 61.80% of their 2022-decline. Examples are the MSCI France, Italy, Spain or Australia. These markets could still trace out a medium-term correction (dashed lines, below right) but, in the second half of 2023, they could resume their long-term uptrend to new all-time highs. Because also in this bullish scenario, I expect a medium-term correction next and thus, it is given a probability of 47% at best.



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### Seasonal Financial Market Model Update – DEFLATION is beginning (38% probability)

My basic schematic of the Seasonal Cycle Model says that after the phase of INFLATION, there should be a shift to DISINFLATION. This is similar to Summer which is followed by Autumn and not Winter directly. Thus, you could argue that the scenario shown below of the next phase being Deflation (Winter) is wrong because it follows Inflation (Summer). Thus, did I erroneously leave the phase of Disinflation out? Not really. Instead of one long-term phase of Disinflation, medium-term trends of Disinflation were built in the phase of long-term Inflation. From January 2022 to early December 2022 there were 3 medium-term phases of Inflation and medium-term phases of Disinflation, the latest one being the cycle from October to December 2022. As an alternative, I could identify the medium-term Disinflation from October to December 2022 itself as the single phase of Disinflation, which is close to ending (see the previous page). On the next few pages, I am further discussing the 3 possible scenarios.





The S&P 500 Index has traced out a long-term downtrend from the high in January 2022 to the low in October 2022. During this downtrend the US 10-year Yield rose from 1.46% to 4.34%. The declining stock market and the rising yield were clearly identified as the phase of INFLATION. The long-term uptrend in the S&P 500 Index and the uptrend in the yield were composed of 3 medium-term phases of INFLATION (stocks declining and the yield rising) and 2 phases of DISINFLATION (stocks rising and the yield declining).

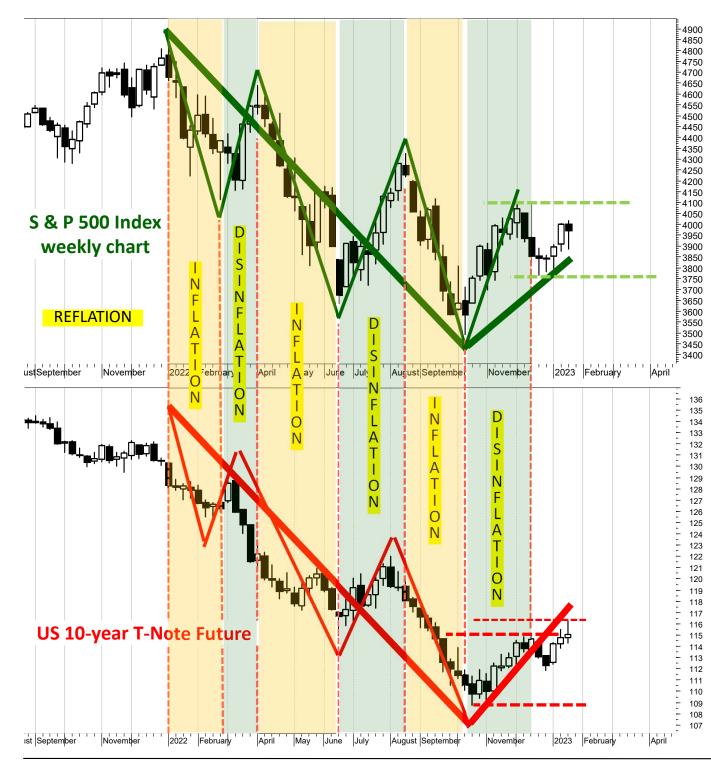
Clearly, long-term INFLATION ended in October 2022, which was when the S&P 500 Index registered its annual low at 3491.58 and the yield registered its annual high at 4.34%.

Following the low in October, the S&P 500 Index rallied to the high on 16.12.2022 at 4100.96 and the Yield fell to the low of 3.42% on 9.12.2022. This means the US Cycle again traced out a phase of DISINFLATION.

The S&P 500 Index again corrected in December and rallied in January, but failed to top the high from 16.12.2022. The Yield rebounded in December and corrected again in January. Moreover, last week, the Yield broke the low from December, albeit only on the intraday chart and then it closed at the same level as the low of 16.12.2022 at 3.48%. Because both markets, the S&P 500 Index and the 10-year Yield closed within the range between the high and low of December, it makes it more difficult to identify the next cycle shift. Therefore, on the overnext page, I analyze the two markets on the daily charts.

On the next page, I picture the correlation of the S&P 500 Index not with 10-year Yield but with the 10-year T-Note PRICE Future. It allows the bond investor to better understand the correlation of the stock and the bond market.

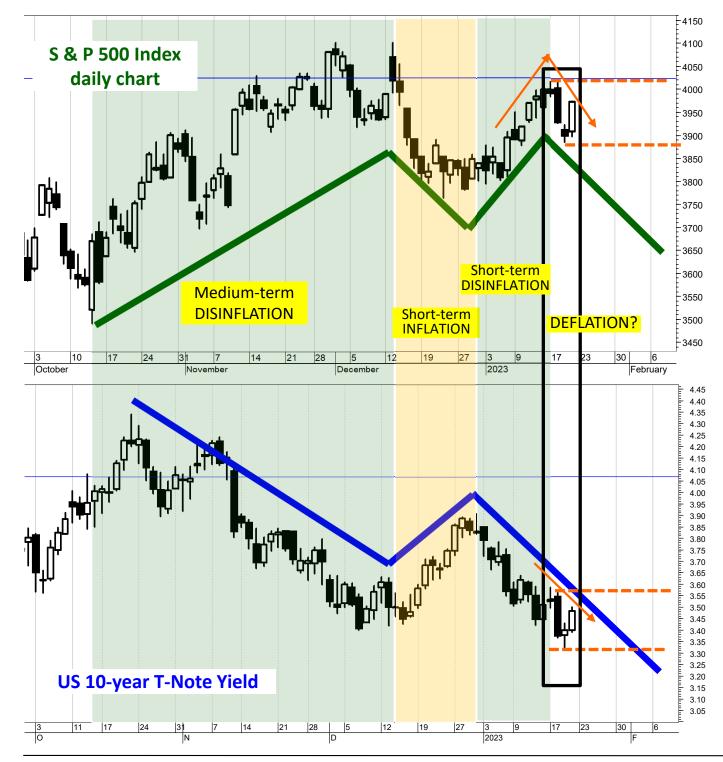
#### Bertschis Chart Outlook



During the secular phase of DISINFLATION, which originated in the early 1980s and which persisted until January 2022, investors became used to the positive correlation of stocks and bonds. The stock market rose aside of some temporary setbacks and because yields declined, also the bond prices rose. Thus, investors were used to allocate assess to stocks and bonds. Most often the allocation was 60% stocks and 40% bonds. Or then, in the years with negative yields, bonds were not to be found in investors asset allocations at all. Then, there came 2022, a big surprise to most investors. While stocks correlated inversely to the Yield, stocks correlated positively to bonds. This means both asset classes, stocks AND bonds traced out a long-term bear market. It is thanks to my Seasonal Cycle Model that I realized that during Inflation stocks AND bonds decline.

On the next page, I am looking at the daily charts of the S&P 500 Index and the 10-year Yield to figure out if the bond price rally from October is the beginning of a long-term bond uptrend (downtrend in the Yield), which would stress the disinflationary or deflationary scenario, or alternatively, if the long-term bond price downtrend does resume. In other words, is it time to raise the bond allocation in investors portfolio?

#### Bertschis Chart Outlook



The charts at left highlight the phase of DISINFLATION, which was traced out from October 2022 to December 2022. Disinflation it was because the S&P 500 Index rose and the 10year Yield declined.

After this DISINFLATION, the Cycle shifted to short-term INFLATION. Inflation is was because the S&P 500 Index declined and the 10-year Yield rose.

After this short-term INFLATION, the Cycle shifted to short-term DISINFLATION. Disinflation it was because the S&P 500 Index rose and the 10-year Yield declined.

And here we are, at an extremely critical and tricky market constellation.

In my Chart Outlook Global Markets of 9.1.2023, I stated "I AM WATCHING FOR A PARALLEL DECLINE OF STOCKS AND THE YIELD to identify a cyclic shift from Disinflation to DEFLATION."

Well, I witnessed such a parallel decline of stocks and the yield on 17.1.2023 and on 18.1.2023 as well as on 19.1.2023 (see the vertical black dashed line). During these 3 days, the S&P 500 Index appeared to have shifted from upwards to DOWNWARDS as it lost 3.2% from 4015.39 on 17.1.2023 to 3885.54 on 19.1.2023. Also during these 3 days, the US 10-year Yield continued to move DOWNWARDS from 3.59% on 17.1.2023 to 3.32% on 19.1.2023 (-27 bps). IT APPEARED THAT THESE 3 DAYS MARKED THE BEGINNING OF THE PHASE OF DEFLATION. Deflation it was because the S&P 500 Index AND the yield DECLINED.

HOWEVER, Friday's market action calls this start of Deflation into question. The S&P 500 Index rose from 3885.54 on 19.1.2023 to 20.1.2023 at 3972.96 on closed near the high at 3972.61. Also, the Yield recovered from the intraday low on 19.1.2023 at 3.32% to the intraday high on 20.1.2023 at 3.39%.

The next few days will be most critical to my assessment of the medium-term and long-term outlook. See the next page where I provide the key levels to watch in the S&P 500 Index.

#### Bertschis Chart Outlook

# S&P 500 Index

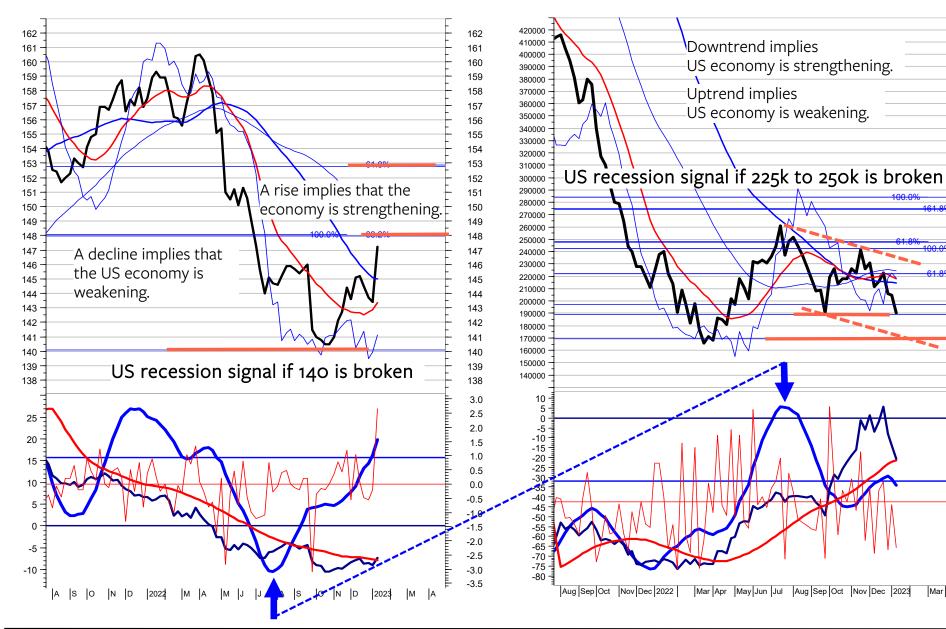
The deflationary outlook (the SPX and the Yield both declining) remains preferred unless the S&P 500 Index breaks above 4050 and 4105. A downtrend would be signaled if the supports at 3880, 3835 and 3750 are broken. If the SPX breaks above 4050 and the Yield also starts rising again, then I might take a closer look at the phase of REFLATION. In my present and previous discussions of the US Cycle (pages 2-4), I have not mentioned the Reflation because a recession seemed unavoidable. However, take a look at the ECRI and the Weekly Jobless Claims, shown on the next page. The rise in the ECRI and the decline in the WJCs could well indicate that the US economy is re-strengthening.



Bertschis Chart Outlook

# Economic Cycle Research Institute Weekly Index

The ECRI jumped to 147.20 and is close to the resistance at 148. The rise implies that the US economy is strengthening again. The recession level remains at 140, which is 4.9% below the present level.



# **US Weekly Jobless Claims**

The Weekly Jobless Claims are testing the support at 190k, a break of which could mean more weakness to 170k. The weakness in the WJCs could mean that the US economy is strengthening again. The recession level is at 225k to 250k.

**Bertschis Chart Outlook** 

Mar Apr

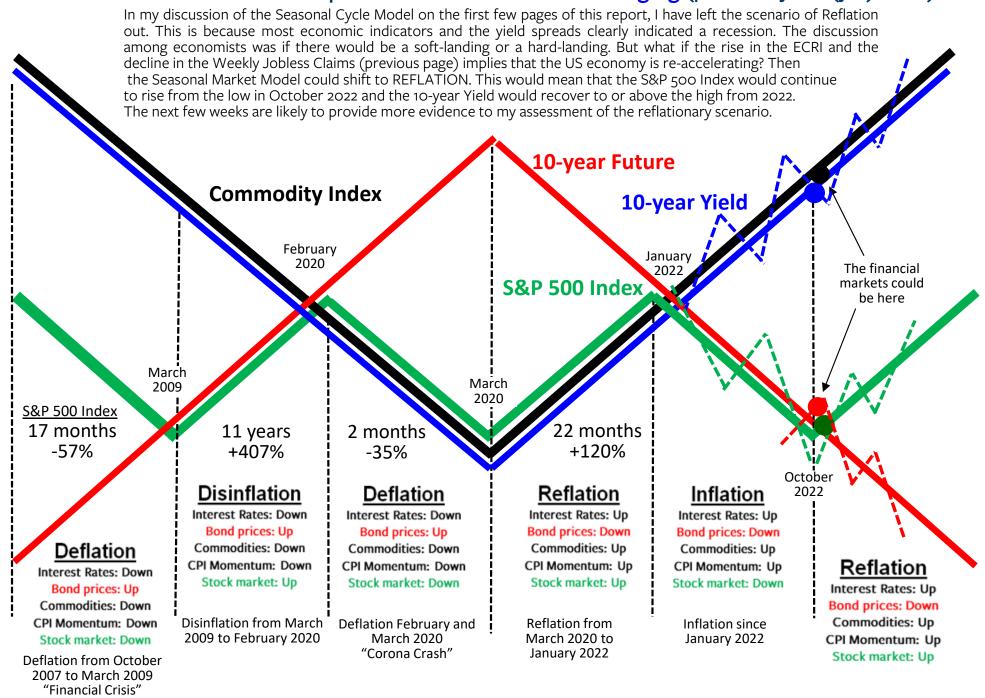
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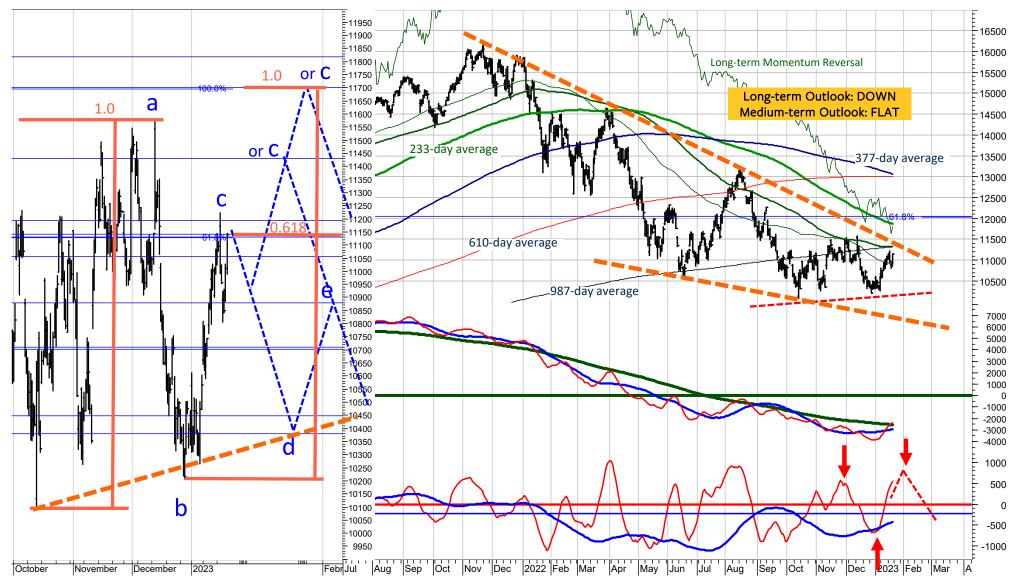
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### Seasonal Financial Market Model Update – REFLATION is re-emerging (probability not (yet) rated)



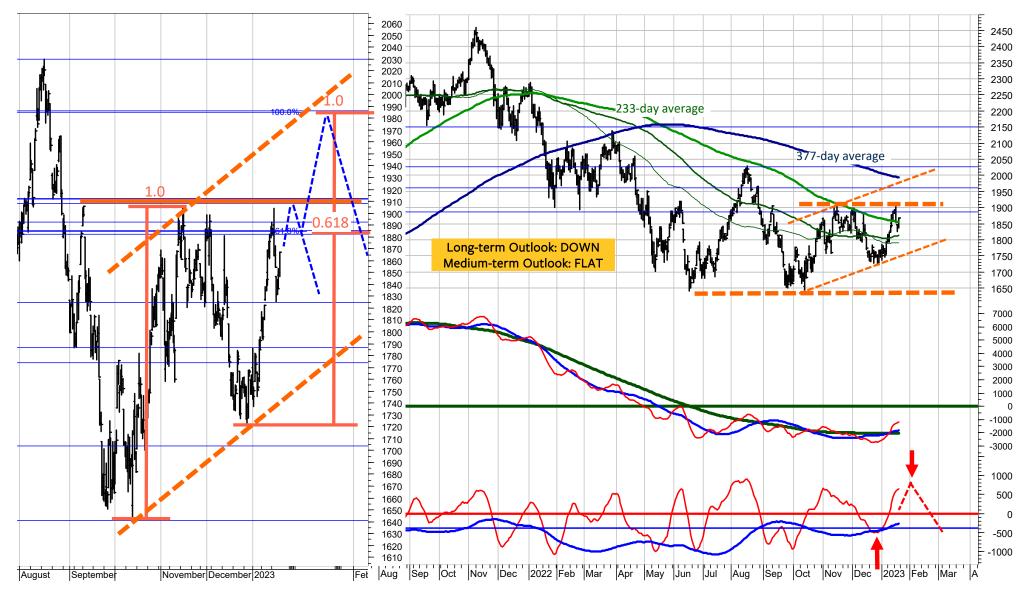
# NASDAQ Composite

The rebound from October could form a horizontal TRIANGLE (a-b-c-d-e) or an inverse FLAT (a-b-c). The Flat instead of the Triangle would be signaled if the resistance range 11050 to 11250 is broken. The next resistances are at 11450 and 11700 to 11850. There, Wave c of a FLAT could reach the top. Note that 11850 also marks the level of the 233-day moving average and the long-term momentum reversal. Moreover, 12050 marks the 61.80% retracement to the decline from August to October. Thus, I would have to reassess the bearish long-term outlook if 11900 to 12100 is broken. For now, the Medium-term Outlook could move to FLAT if 11250 is broken and to UP if 11450 is cleared.



# Russell 2000 Index

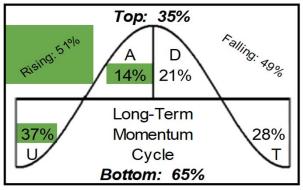
The rebound from the low in December has resistances at 1890 to 1920 and 1985. For now, I still see the consolidation from the low in June 2022 as a trend-continuation formation, rather than a long-term bottom. Thus, the Medium-term Outlook would turn DOWN if the supports at 1820 and 1770 are broken. However, the Medium-term Outlook could move to UP and the Long-term Outlook to FLAT if 1920 does break. For a long-term upgrade to UP, the Russell Index would have to rise above 2050 to 2150.



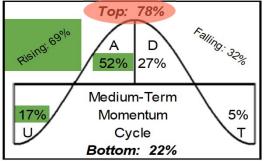
### **US Stocks**

Compared to last week's readings, the Short-term Cycle has turned DOWN. Because the medium-term cycle has 78% of the 500 stocks in the top quadrants A+D, the stock market is at risk of turning medium-term down. Moreover, a medium-term decline could easily force a shift in the long-term cycle from neutral to down again. The alternate view is that the short-term cycle turns up again and pushes the medium- and long-term cycles upward again.

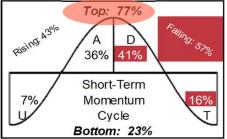
# Position of the LONG-TERM Momentum Indicators of the 500 S&P 500 Index constituent stocks (500=100%)



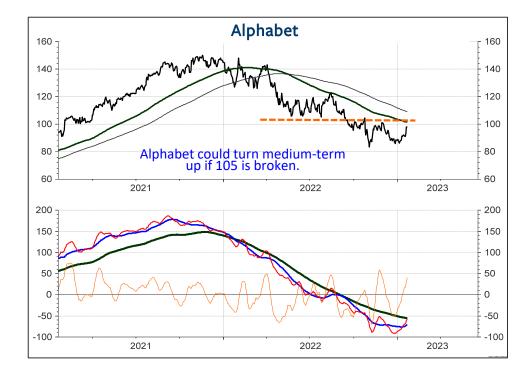
Position of the MEDIUM-TERM Momentum Indicators of the 500 S&P 500 Index constituent stocks (500=100%)



Position of the SHORT-TERM Momentum Indicators of the 500 S&P 500 Index constituent stocks (500=100%)

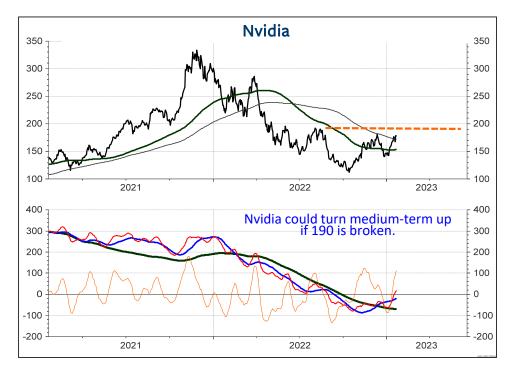


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39%         AMERICAN EXPRESS         AXP         151.60         d0         +         dd         dd         yrg           50%         APPLE         AAPLO         137.87         -         LH         +         Add Stop 130,         0.9.01.2023         129.62         6.36%           28%         BANK OF AMERICA         BAC         32.85,         d/d         d/d         6d         5ell rags and 32.         -         -         -           28%         BANK OF AMERICA         BAC         226,76         +         +         d/d         5ell rags and 32.         -         129.62         -	67%										
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22%         GOLDMAN SACHS GP.         GS         341.84         +         dd-         dd-         sell span           38%         HOME DEPOT         HD         315.00         +         do         dd-         Sell span.         99.01.2023         226.95         -0.30%           72%         ILLINOIS TOOL WORKS         ITW         226.28         +         do         dd-         Stop 219.         09.01.2023         30.39         3.56%           33%         INTERNATIONAL BUS.MCHS.         IBM         141.20         +         dd-         dd-         Sell rds2.         -         -         Sell rds2.         -         -         Sell rds2.         -         -         Sell rds2.         -						d-	do				
33%       HOME DEPOT       HD       315.00       +       do       dd-       sell < 300.       99.01.2023       226.95       -0.30%         72%       INTEL       INTC.O       226.28       +       do       do       stop = 19.       09.01.2023       226.95       -0.30%         72%       INTEL       INTC.O       229.22       O       +       +       09.01.2023       30.30       -3.56%         30%       JOHNSON & JOHNSON       JNJ       168.74       d-       -       Sell < 328 and 131.	22%		GS	-							
72%       ILLINOIS TOOL WORKS       ITW       226.28       +       do       do       Stop 219.       09.01.2023       226.95       -0.30%         72%       INTEL       INTC.O       29.22       0       +       +       09.01.2023       30.30       -3.56%         33%       INTERNATIONAL BUS.MCHS.       IBM       141.20       +       dd-       dd-       Sell <rd>163. and 131.       0       0         67%       JP MORGAN CHASE &amp; CO.       JPM       135.08       +       do       dd-       Sell <rd>163. and 131.       0       1         67%       MCDNA JOHNSON       JNJ       168.74       d-       -       Sell <rd>163. and 156.       1       1         67%       MCDARATIN       LMT       443.28       d-       -       Sell <rd>163. and 415.       1       1         67%       MCDONALDS       MCD       266.58       +       0       +       Buy &gt; 274. Stop 261.       1       1         67%       MCDONALDS       MCD       266.58       +       0       d-       Sell <rd>40 and 49.       1       1       1       1       1       1       1       1       1       1       1       1       1</rd></rd></rd></rd></rd>								, , , , , , , , , , , , , , , , , , ,			
72%       INTEL       INTC.O       29.22       0       +       +       09.01.2023       30.30       -3.56%         33%       INTERNATIONAL BUS.MCHS.       IBM       141.20       +       dd-       dd-       dd-       Sell <138 and 13.	72%	ILLINOIS TOOL WORKS							09.01.2023	226.95	-0.30%
33%       INTERNATIONAL BUS.MCHS.       IBM       141.20       +       dd-       dd-       dd-       sell <138 and 131.           0%       JOHNSON & JOHNSON       JNJ       168.74       d-       -       -       Sell <128 and 131.	72%									30.30	
0%       JOHNSON & JOHNSON       JNJ       168.74       d-       -       Sell < 63.         67%       JP MORGAN CHASE & CO.       JPM       135.08       +       do       dd-       Sell < 128 and 116.	33%							Sell <138 and 131.			
67%       JP MORGAN CHASE & CO.       JPM       135.08       +       do       dd-       Sell <128 and 116.						-					
0%         LOCKHEED MARTIN         LMT         443.28         d-         -         Sell <440 and 415.         Image: Comparison of the compari	67%					do	dd-				
94%       MASTERCARD       MA       376.28       +       +       +       Sell <355 and 325.       Image: Constraint of the second	0%										
67%       MCDONALDS       MCD       268.58       +       0       +       Buy>274.5top 261.       Image: Constraint of the second of the s	94%					+	+				
50%       MERCK & COMPANY       MRK       109.94       +       do       d-       Sell <104 and 99.       Image: Sell <102 and 110.       Image: Sell <103 and 120.	67%	MCDONALDS	MCD								
94%         META PLATFORMS A         META.0         139.37         +         +         +         Sell <120 and 110.         Image: Constraint of the second sec	50%	MERCK & COMPANY	MRK								
61%       MICROSOFT       MSFT.O       240.22       UO       U+       +       Buy >246.50. Stop 230.         83%       NEWMONT       NEM $53.34$ +       +       +       Sell <48 and 45.	94%		META.O								
83%         NEWMONT         NEM         53.34         +         +         +         Sell <48 and 45.           94%         NIKE 'B'         NKE         126.62         +         +         +         Sell <48 and 45.	61%										
94%         NIKE 'B'         NKE         126.62         +         +         +         Sell < 113 and 102.            89%         NVIDIA         NVDA.O         178.39         +         +         +         Buy. Stop 169.         23.01.2023         178.39           0%         PEPSICO         PEP.O         169.88         -         -         -         Sell < 169 and 160.	83%										
89%         NVIDIA         NVDA.O         178.39         +         +         +         Buy. Stop 169.         23.01.2023         178.39           0%         PEPSICO         PEP.O         169.88         -         -         Sell <169 and 160.	94%						+				
0%         PEPSICO         PEP.O         169.88         -         -         Sell <169 and 160.         Image: Constraint of the second secon	89%								23.01.2023	178.39	
0%         PFIZER         PFE         45.11         d-         -         Sold <46. Sell >43.         Image: Sold <46. Sell >43.           100%         PHILIP MORRIS INTL.         PM         101.82         +         +         U+         Sell 95 and 85.         Image: Sold <46. Sell >43.         Image: Sold <46. Sell <49.	0%										
100%       PHILIP MORRIS INTL.       PM       101.82       +       +       U+       Sell 95 and 85.       Image: Sell 143 and 138.         39%       PROCTER & GAMBLE       PG       142.97       do       do       -       Sell 143 and 138.       Image: Sell 143 and 143.       Image: Sell 143 and 143.       I					d-	-	-				
39%         PROCTER & GAMBLE         PG         142.97         do         do         -         Sell < 143 and 138.         Image: Constraint of the second seco	100%	PHILIP MORRIS INTL.	PM		+	+	u+				
22%         RAYTHEON TECHNOLOGIES         RTX         94.36         do         d-         Sell <92 and 88.         Image: Sell <92 and 88.         Image: Sell <93 and 43.         Image: Sell <93 and 100.         Image: Sell <93 and 130.         Image: Sell <93 and 130. </td <td>39%</td> <td>PROCTER &amp; GAMBLE</td> <td>PG</td> <td>142.97</td> <td>do</td> <td>do</td> <td>-</td> <td>Sell &lt;143 and 138.</td> <td></td> <td></td> <td></td>	39%	PROCTER & GAMBLE	PG	142.97	do	do	-	Sell <143 and 138.			
78%       SCHLUMBERGER       SLB       57.35       +       +       +       Sell <49 and 43.       Image: Constraint of the second	22%	RAYTHEON TECHNOLOGIES	RTX		do	d-	-				
17%       SOUTHERN       SO       67.12       d-       do       -       Sell <66 and 62.       Image: Sell <105 and 100.       Image: Sell <106 and 100.       Ima	78%	SCHLUMBERGER	SLB		+	+	+	Sell <49 and 43.			
33%       TESLA       TSLA.O       133.42       -       UO       +       Sell <105 and 100.       Image: Constraint of the second	17%										
33%         UNION PACIFIC         UNP         208.66         O         dO         Sell <200 and 185.         Image: Constraint of the second	33%	TESLA	TSLA.O				+				
50%       UNITED PARCEL SER.'B'       UPS       178.13       O       +       dO       Sell <170 and 159.       Image: Constraint of the second s					0						
6%         UNITEDHEALTH GROUP         UNH         486.72         -         UO         Sell again <478.         I	50%							1			
100%       VISA 'A'       V       224.31       +       +       +       Sell <205 and 195.       Image: Constraint of the sell sell sell sell sell sell sell se	6%							Sell again <478.			
22%         WALMART         WMT         140.54         +         -         dd-         Sell < 139 and 130.         -         -         -         -         dd-         Sell < 139 and 130.         -											
100%         WALT DISNEY         DIS         103.48         +         +         +         Stop 97.         09.01.2023         93.92         10.18%	22%										
						+			09.01.2023	93.92	10.18%
	56%							1.77			



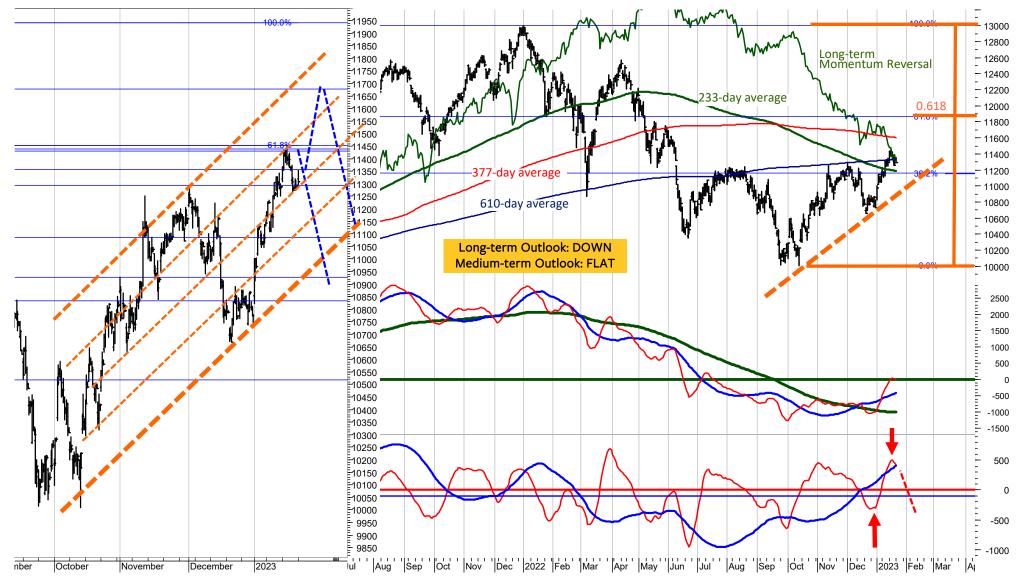






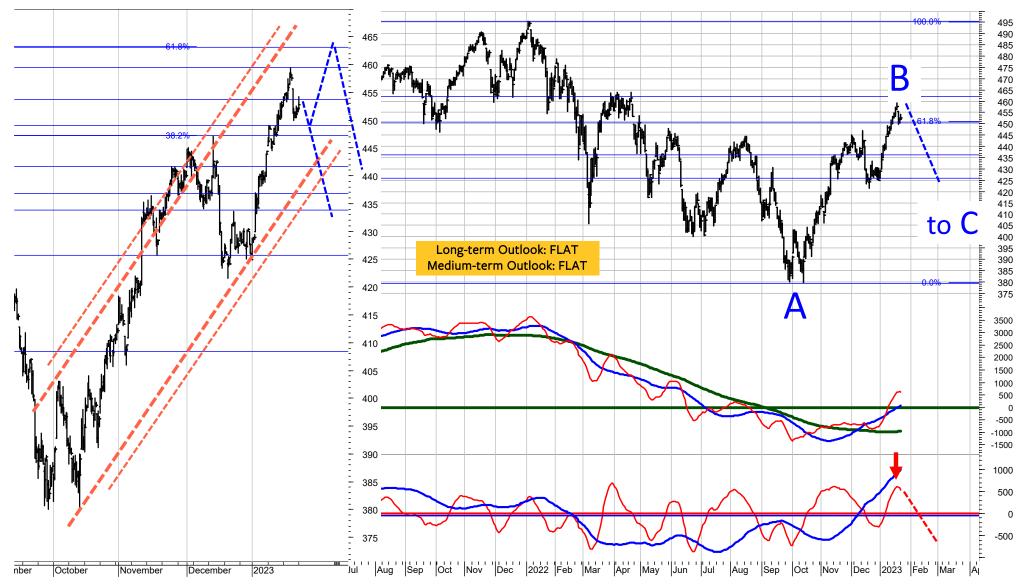
# Swiss Market Index

The rally from the low in October 2022 has reached the resistance level at 11450. The SMI would have to rise above 11500 to signal more strength to the major resistance zone between 11500, 11700 and 11950. This long-term resistance range is derived from the 610-day moving average (at 11320), the 377-day average (at 11620), the long-term momentum reversal (at 11400) and the 61.80% retracement to the decline from January to October 2022 (at 11950). But, more likely than a break upwards is that the next downturn has already started. It would be confirmed if the supports are broken at 11050, 10800 and 10500.



### Eurostoxx 600 Index

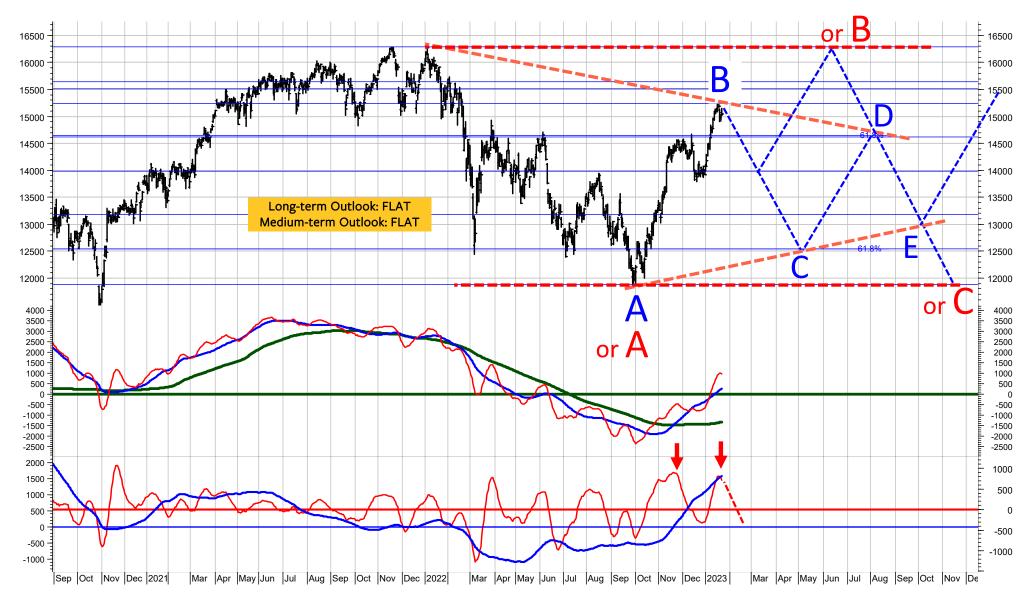
The Eurostoxx 600 Index is testing the most important resistance cluster surrounding the levels at 455 to 465. A break of 465 could signal more strength towards the high from January 2022 at 495. But, given the top in the short-term momentum indictor, I think that the next downleg already started with the decline of 18.1.2023. Supports are 440, 433, 425 and 405.



Bertschis Chart Outlook

### Deutscher Aktien Index DAX

The fact that the DAX has retraced more than 61.80% (at 14600) of its decline in 2022 means that possibly, a horizontal Triangle (A-B-C-D-E, marked blue) or a Flat (A-B-C, marked red) could be forming. These two patterns are the best interpretation as long as the DAX does not immediately rise above 17200 to 15700. Note that pattern and levels are more important than time.

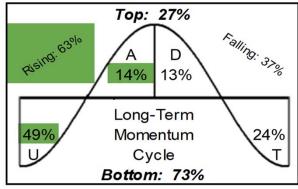


 $\underline{\textbf{B}} ertschis \ \underline{\textbf{C}} hart \ \underline{\textbf{O}} utlook$ 

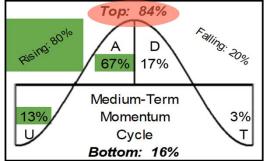
### **European Stocks**

Compared to last week's readings, the Short-term Cycle has turned DOWN. Because the medium-term cycle has 78% of the 500 stocks in the top quadrants A+D, the stock market is at risk of turning medium-term down. Moreover, a medium-term decline could easily force a shift in the long-term cycle from neutral to down again. The alternate view is that the short-term cycle turns up again and pushes the medium- and long-term cycles upward again.

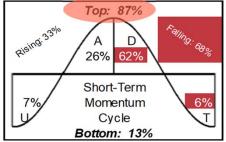
# Position of the LONG-TERM Momentum Indicators of the 600 STOXX constituent stocks (600=100%)



Position of the MEDIUM-TERM Momentum Indicators of the 600 STOXX constituent stocks (600=100%)



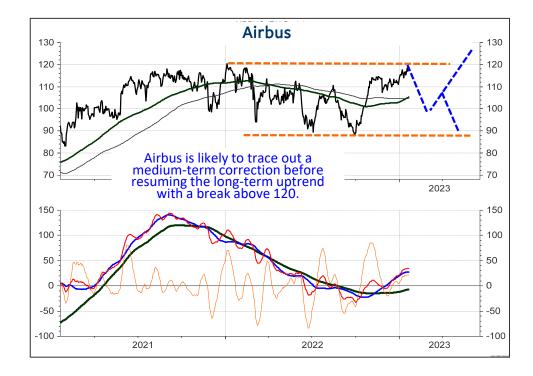
Position of the SHORT-TERM Momentum Indicators of the 600 STOXX constituent stocks (600=100%)

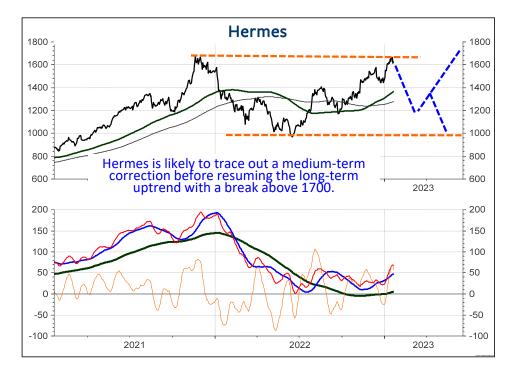


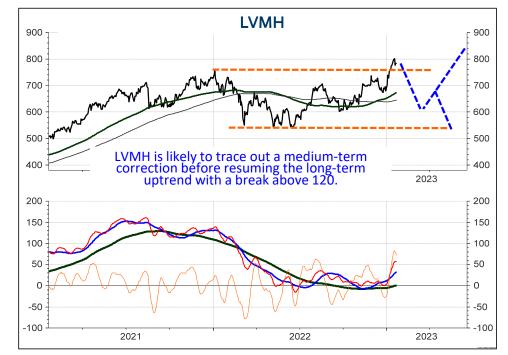
				T				DATE	PRICE	PROFIT
SCORE	COMPANY	RIC	PRICE	LT	MT	ST	COMMENT	BOUGHT	BOUGHT	or LOSS
94%	ADIDAS (XET)	ADSGn.DE	146.44	+	+	+	Sell <130 and 115.			1
22%	ADYEN	ADYEN.AS	1'323.20	d-	0	do	Sell <1240, 1185, 1100.			
83%	AIRBUS	AIR.PA	118.92	+	+	+	Sell <105 and 99.			
100%	ALLIANZ (XET)	ALVG.DE	220.40	+	+	+	Sell <205 and 185.			1
33%	ANHEUSER-BUSCH INBEV	ABI.BR	55.02	+	d-	-	Sell <53 and 49.			1
94%	ASML HOLDING	ASML.AS	590.40	+	+	+	Sell <520.			1
100%	AXA	AXAF.PA	28.26	+	+	+	Sell <26 and 24.			1
94%	BANCO SANTANDER	SAN.MC	3.10	+	+	+	Sell <2.90 and 2.80.			
94%	BASF (XET)	BASFn.DE	52.46	+	+	+	Sell <47 and 44.			1
89%	BAYER (XET)	BAYGn.DE	56.39	+	+	+	Sell <53 and 50.			+
94%	BBV.ARGENTARIA	BBVA.MC	<u> </u>	+	+	+	Sell <5.90 and 5.60.			+
89%	BMW (XET)	BMWG.DE	89.97	+	+		Sell <85 and 80.			1
94%	BNP PARIBAS	BNPP.PA	59.65	+	+	+	Sell <56 and 52.			<u> </u>
89%	CRH	CRH.I	41.03	+	+		Sell <38 and 36.			
89%	DANONE	DANO.PA		+	- u+	u0 u+	Sell <48.			
33%	DEUTSCHE BOERSE (XET)	DANO.PA DB1Gn.DE	50.35 164.15	+	u+ uo	u+ +				+
33% 94%	DEUTSCHE BOERSE (XET) DEUTSCHE POST (XET)	DB1Gn.DE	164.15 39.81				Sell <155.			+
94%				+	++	+ do	Sell <34.			+
94%	DEUTSCHE TELEKOM (XET)	DTEGn.DE	20.17	+			Sell <19 and 18.			╂────
83%	ENEL	ENEI.MI	5.65	+	+	+	Sell <5.10 and 4.90.			
78%	ENI	ENI.MI	14.46	+	+	+	Sell <13 and 12.			+
	ESSILORLUXOTTICA	ESLX.PA	174.45	+	0		Sell <160.			+
100%	FLUTTER (DUB) ENTERTAINMENT	FLTRF.I	143.40	+	+	+	Sell <125 and 113.			
94%	HERMES INTL.	HRMS.PA	1'628.00	+	+	+	Sell <1400 and 1250.			
83%	IBERDROLA	IBE.MC	10.81	+	+	d-	Sell <10.30 and 9.50.			<u> </u>
94%	INDITEX	ITX.MC	27.17	+	+	+	Sell <25.50 and 22.50.			
89%	INFINEON TECHS. (XET)	IFXGn.DE	31.13	+	+	do	Sell <28 and 26.			
72%	ING GROEP	INGA.AS	12.31	+	+		Sell <11.50 and 10.50.			
67%	INTESA SANPAOLO	ISP.MI	2.18	+	do	dd-	Sell <2.10 and 1.95.			
89%	KERING	PRTP.PA	531.60	+	+	do	Sell <500 and 450.			
72%	KONINKLIJKE AHOLD DELHAIZE	AD.AS	27.90	0	do	+	Sell <26.50 and 25.			
94%	L AIR LQE.SC.ANYME. POUR L ETUDE E	AIRP.PA	144.84	+	+	+	Sell <135 and 130.			
22%	LINDE (XET)	LINI.DE	301.50	0	-	+	Sell <285 and 275.			
94%	L'OREAL	OREP.PA	380.40	+	+	+	Sell <340.			
94%	LVMH	LVMH.PA	782.80	+	+	+	Sell <720 and 660.			
89%	MERCEDES-BENZ GROUP(XET) N	MBGn.DE	65.79	+	+	do	Sell <60.			
100%	MUENCHENER RUCK. (XET)	MUVGn.DE	331.70	+	+	+	Sell <295.			1
0%	NOKIA	NOKIA.HE	4.22	d-	dd-	dd-	Sell 4.25.			1
94%	NORDEA BANK (HEL)	NDAFI.HE	10.66	+	+	0	Sell <10.			1
89%	PERNOD-RICARD	PERP.PA	191.50	do	+	+	Sell <180.	İ	1	1
94%	PROSUS	PRX.AS	75.37	+	+	+	Sell <60.			<u>†                                    </u>
100%	SAFRAN	SAF.PA	129.42	+	+	+	Sell <115.			<u> </u>
56%	SANOFI	SASY.PA	90.73	+	do		Sell <84.			<u> </u>
78%	SAP (XET)	SAPG.DE	106.98	+	+	4	Sell <100 and 90.			1
89%	SCHNEIDER ELECTRIC	SCHN.PA	143.44	+	+		Sell <130 and 120.			<u>+</u>
94%	SIEMENS (XET)	SIEGn.DE	141.88	+	+	+	Sell < 130 and 115.		1	+
72%	STELLANTIS	STLA.MI	14.02		do	-	Sell <13 and 12.			+
72%	TOTALENERGIES	TTEF.PA	58.85	+	do	0	Sell <53 and 50.			+
100%	VINCI			+						+
		SGEF.PA VOWG_p.DE	103.68	+	+	+	Sell <95 and 87.		l	+
33% 89%	VOLKSWAGEN PREF. (XET)		124.26	0	0		Sell <119.			╉────
09%	VONOVIA (XET)	VNAn.DE	25.99	+	+	do	Sell < 22 and 19.	l	I	<u> </u>

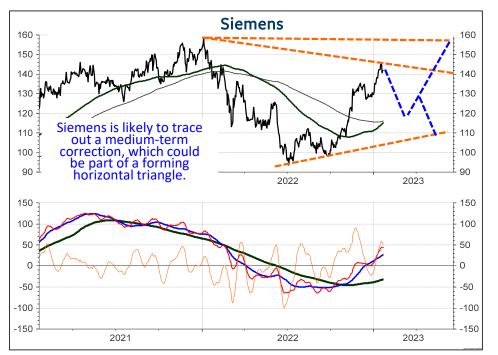
Bertschis Chart Outlook

DATE PRICE PROFIT









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#### **MSCI JAPAN in Yen**



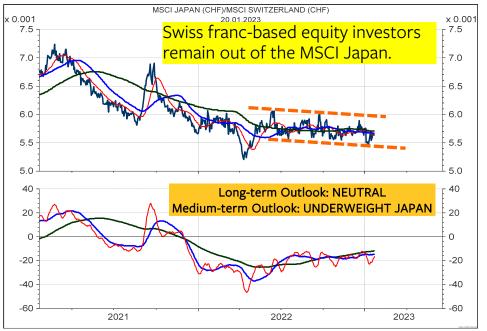
#### **MSCI JAPAN relative to the MSCI AC World**

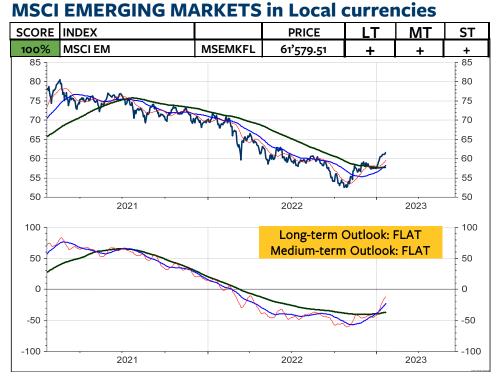


#### **MSCI JAPAN in Swiss franc**



#### **MSCI JAPAN in SFR relative to MSCI Switzerland**

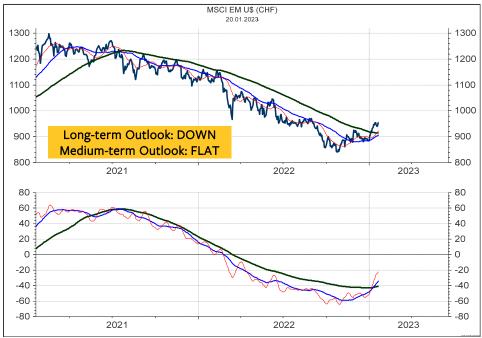




#### MSCI EMERGING MARKETS relative to the MSCI AC World



### **MSCI EMERGING MARKETS in Swiss franc**



#### **MSCI EMERGING MARKETS in SFR relative to MSCI Switzerland**



#### $\underline{\textbf{B}} ertschis \ \underline{\textbf{C}} hart \ \underline{\textbf{O}} utlook$

### Global 10-year Government Bond Yield Index



### Global Government Bonds TOTAL RETURN Index



### Global 10-year Government Bond MODEL

SCORE	COUNTRY	RIC	PRICE	LT	MT	ST
<b>o</b> %	RF AUSTRALIA GVT BMK BID YLD 10Y	AU10YT=RR	3.402	-	-	-
72%	RF BRAZIL GVT BMK BID YLD 10Y	BR10YT=RR	13.000	uu+	uu+	uu+
<b>o</b> %	RF CANADA GVT BMK BID YLD 10Y	CA10YT=RR	2.846	-	-	-
100%	RF CHINA GVT BMK BID YLD 10Y	CN10YT=RR	2.985	+	+	+
<b>o</b> %	RF CZECH REP GVT BMK BID YLD 10Y	CZ10YT=RR	4.323	-	-	-
44%	RF DENMARK GVT BMK BID YLD 10Y	DK10YT=RR	2.400	u+	uo	uo
22%	RF FINLAND GVT BMK BID YLD 10Y	FN10YT=RR	2.677	u+	-	-
<b>28</b> %	RF FRANCE GVT BMK BID YLD 10Y	FR10YT=RR	2.6200	u+	-	uo
<u>56%</u>	RF GERMANY GVT BMK BID YLD 10Y	DE10YT=RR	2.1710	+	0	uo
<b>o</b> %	RF GREECE GVT BMK BID YLD 10Y	GR10YT=RR	4.126	-	-	-
<b>o</b> %	RF HONG KONG GVT BMK BID YLD 10Y	HK10YT=RR	3.048	-	-	-
6%	RF HUNGARY GVT BMK BID YLD 10Y	HN10YT=RR	7.580	-	-	uo
72%	RF INDIA GVT BMK BID YLD 10Y	IN10YT=RR	7.347	uu+	u+	uu+
<b>o</b> %	RF INDONESIA GVT BMK BID YLD 10Y	ID10YT=RR	6.634	-	-	-
17%	RF ITALY GVT BMK BID YLD 10Y	IT10YT=RR	3.9740	0	-	uo
72%	RF JAPAN GVT BMK BID YLD 10Y	JP10YT=RR	0.400	+	+	dd-
<b>o</b> %	RF S. KOREA GVT BMK BID YLD 10Y	KR10YT=RR	3.280	-	-	-
6%	RF MEXICO GVT BMK BID YLD 10Y	MX10YT=RR	8.570	-	-	uo
<b>o</b> %	RF MALAYSIA GVT BMK BID YLD 10Y	MY10YT=RR	3.740	-	-	-
<mark>56</mark> %	RF NETHERLANDS GVT BMK BID YLD 10Y	NL10YT=RR	2.477	+	0	uo
<b>o</b> %	RF NEW ZEALAND GVT BMK BID YLD 10Y	NZ10YT=RR	4.038	d-	-	-
<b>o</b> %	RF NORWAY GVT BMK BID YLD 10Y	NW10YT=RR	2.878	-	-	-
<b>o</b> %	RF PHILIPPINES GVT BMK BID YLD 10Y	PH10YT=RR	6.150	-	-	-
6%	RF POLAND GVT BMK BID YLD 10Y	PO10YT=RR	5.988	-	-	uo
17%	RF PORTUGAL GVT BMK BID YLD 10Y	PT10YT=RR	3.057	0	-	uo
<mark>89</mark> %	RF RUSSIA GVT BMK BID YLD 10Y	RS10YT=RR	10.470	+	+	+
6%	RF S. AFRICA GVT BMK BID YLD 10Y	SA10YT=RR	9.790	-	-	uo
33%	RF SWEDEN GVT BMK BID YLD 10Y	SD10YT=RR	2.025	0	uo	uo
<b>o</b> %	RF SINGAPORE GVT BMK BID YLD 10Y	SG10YT=RR	2.842	-	-	-
33%	RF SPAIN GVT BMK BID YLD 10Y	ES10YT=RR	3.155	0	uo	uo
22%	RF SWITZERLAND GVT BMK BID YLD 10Y	CH10YT=RR	1.170	+	-	-
<b>o</b> %	RF THAILAND GVT BMK BID YLD 10Y	TH10YT=RR	2.420	-	-	-
6%	RF TAIWAN GVT BMK BID YLD 10Y	TW10YT=RR	1.250	-	-	uo
33%	RF TURKEY GVT BMK BID YLD 10Y	TK10YT=RR	9.920	-	do	+
28%	RF UK GVT BMK BID YLD 10Y	GB10YT=RR	3.3810	0	0	-
11%	RF US GVT BMK BID YLD 10Y	US10YT=RR	3.4840	0	-	-

# US 10-year T-Note Yield

SCORE	COUNTRY BOND YIELD	RIC	PRICE	LT	MT	ST
11%	RF US GVT BMK BID YLD 10Y	US10YT=RR	3.4840	0	-	-

The 10-year Yield fell to the Fibonacci support at 3.33% and started to rebound. The yield downtrend will resume and the long-term outlook would move to DOWN if the supports at 3.33% to 3.23% are broken.

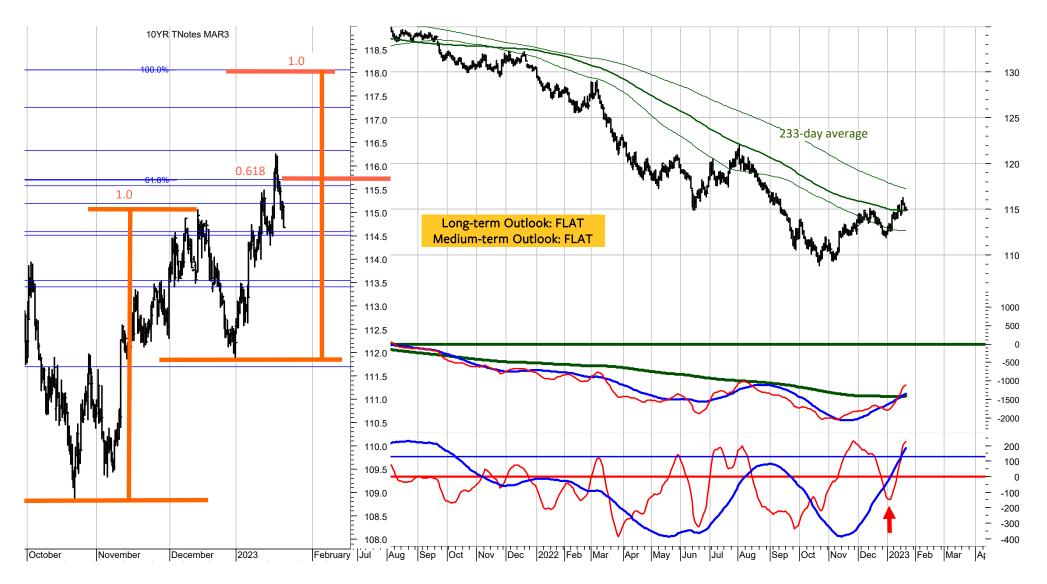


Bertschis Chart Outlook

### US 10-year T-Notes Continuous Future

SCORE	FUTURE PRICE	CODE	PRICE	LT	МТ	ST
100%	ECBOT-10 YEAR US T-NOTE CONT.	CZNCSoo	115.06	+	+	+

The 10-year T-Note Future entered a short-term correction at the Fibonacci resistance at 116.40. The correction will gain momentum if the supports are broken at 114.50, 113.30 and 111.50. The Medium-term Outlook could move to DOWN if the supports at 113 and 111.50 are broken; it would move to UP if 116.50 and 116.50 is broken.



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### Swiss 10-year Bond Yield

SCORE	COUNTRY BOND YIELD	RIC	PRICE	LT	МТ	ST
<b>22</b> %	RF SWITZERLAND GVT BMK BID YLD 10Y	CH10YT=RR	1.1700	+	-	-

The Swiss 10-year Yield is rebounding off the low from January at 1.02%. At 1.25% it has retraced 38.20% of the January decline. A break of 1.28% would signal more short-term strength to 1.40%. For the long-term uptrend to resume, the Yield would have to rise above 1.40% and 1.47%. This means that my Medium-term Outlook would move to DOWN and the Long-term Outlook to DOWN if 1.02% and 0.90% is broken.



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# Swiss Conf Future

SCORE	COUNTRY BOND YIELD	RIC	PRICE	LT	МТ	ST
<mark>6</mark> 1%	EUREX-SWISS CONF CONTINUOUS	ZCBCSoo	142.62	do	+	+

The Swiss Conf Future retraced 61.80% of the decline in December at 144.50 and entered another correction. A long-term bottom would be signaled if in the next short-term momentum decline, the Future holds above 140.



Bertschis Chart Outlook

# Global-30 Commodities – Trend and Momentum Model Ratings

Following the test of the mega support around 235, the Bloomberg Commodity Index has turned upwards. Whether this is the resumption of the long-term uptrend 2020 to 2020 remains to be seen. More likely is that a medium-term rebound is traced out. It is already reflected in the 20 (out of 30) positive medium-term model ratings at right. The Average Score of the 30 commodities has increased from 56% to 62%.



SCORE	COMMODITY	CODE	PRICE	LT	MT	ST
<mark>50</mark> %	BLOOMBERG COMMODITY INDEX	DJUBSTR	245.06	-	u+	+
<b>89</b> %	ALUMINIUM CONTINUOUS	LAHCSoo	2'589.50	u+	+	+
<b>78</b> %	BRENT CRUDE OIL CONTINUOUS	LLCC.01	87.63	uo	u+	+
<mark>50</mark> %	COCOA CONTINUOUS	NCCCSoo	2'569.00	+	do	d-
28%	COFFEE 'C' CONTINUOUS	NKCCSoo	154.80	I	0	uo
<mark>89</mark> %	CORN CONTINUOUS	CZCCSoo	676.25	u+	+	u+
78%	COTTON #2 CONTINUOUS	NCTCSoo	86.70	uo	u+	uu+
78%	GAS OIL CONTINUOUS	LLECSoo	983.50	uo	+	+
78%	GASOLINE CONTINUOUS	NRBCSoo	2.65	0	+	+
100%	Gold Bullion LBM \$/t oz DELAY	GOLDBLN	1'928.55	+	+	+
100%	HIGH GRADE COPPER CASH	LCPCASH	9'307.76	+	+	+
11%	Lead 3 Months U\$/MT	LED3MTH	2'089.00	do	dd-	dd-
67%	LIGHT CRUDE OIL CONTINUOUS	NCLCSoo	81.31	I	+	+
<mark>39</mark> %	LIVE CATTLE COMP. CONT.	CLDCSoo	156.63	+	0	d-
78%	LUMBER CONTINUOUS LTDT	CLBCS01	430.80	uo	uu+	uu+
6%	NATURAL GAS CONTINUOUS	NNGCSoo	3.17	-	-	0
72%	Nickel Cash U\$/MT	LNICASH	28'541.00	u+	uu+	uu+
<mark>6</mark> 1%	NY HARBOR ULSD CONTINUOUS	NHOCSoo	3.47	uo	u+	+
67%	OATS COMP. CONTINUOUS	COFCSoo	371.00	-	u+	+
17%	PALLADIUM CONTINUOUS	NPACSoo	1'717.70	-	0	dd-
67%	PLATINUM CONTINUOUS	NPLCSoo	1'042.00	+	+	d-
89%	ROUGH RICE COMP FUTURES CONT.	CRRCSoo	1'811.00	+	+	+
100%	SILVER 5000 OZ CONTINUOUS	NSLCSoo	23.86	+	+	+
<mark>56</mark> %	SOYBEAN MEAL CONTINUOUS	CZMCSoo	463.70	+	do	d-
6%	SOYBEAN OIL CONTINUOUS	CZLCSoo	61.97	-	-	uo
83%	SOYBEANS CONTINUOUS	CZSCSoo	1'506.50	+	+	+
44%	SUGAR #11 CONTINUOUS	NSBCSoo	19.72	+	d-	u+
<mark>89</mark> %	Tin 99.85% Cash U\$/MT	LTICASH	29'493.00	0	+	+
6%	WHEAT CONTINUOUS	CZWCSoo	741.50	-	-	uo
<b>89</b> %	Zinc 99.995% Cash U\$/MT	LZZCASH	3'436	0	+	+

### **Brent Crude - Continuous Future**

SCORE	COMMODITY	CODE	PRICE	LT	MT	ST
<b>78</b> %	BRENT CRUDE OIL CONTINUOUS	LLCC.01	87.63	uo	u+	+

Brent Crude broke the resistance at 85 and is rising to the next resistance, which I had projected at 89.50 to 90.50. The Medium-term Outlook could move to UP and the Long-term Outlook to FLAT if 91 is cleared.



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## Gas Oil – Continuous Future

SCORE	COMMODITY	CODE	PRICE	LT	MT	ST
<mark>78</mark> %	GAS OIL CONTINUOUS	LLECSoo	983.50	uo	+	+

The Medium-term Outlook would move to UP if 1060 is broken.

The Long-term Outlook is likely to move to FLAT if 1060 is broken and UP if 1150 is cleared.



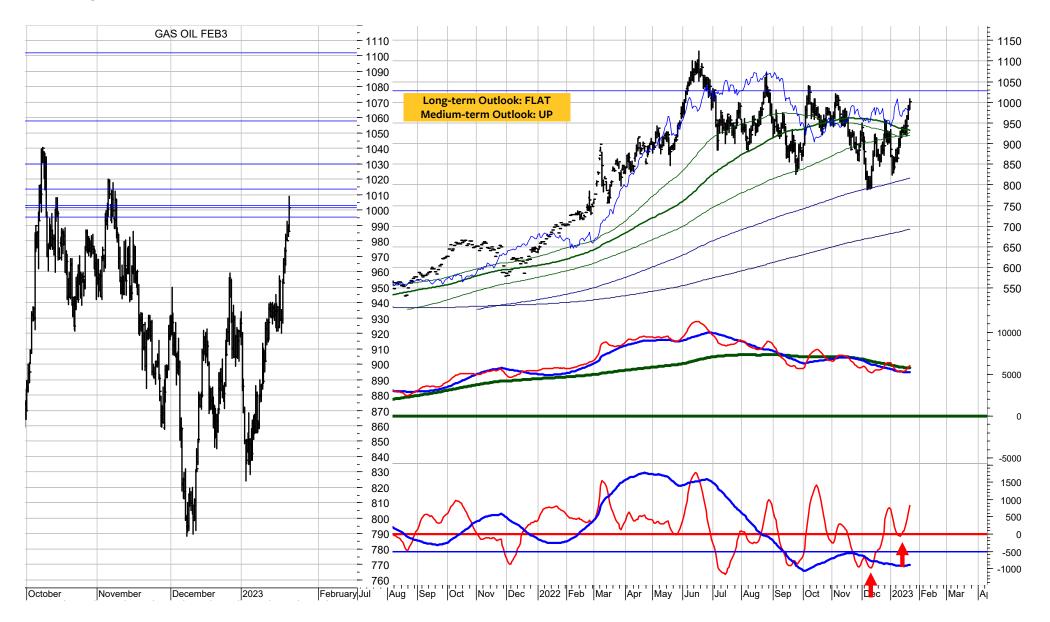
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## Gas Oil – February 2023 Future

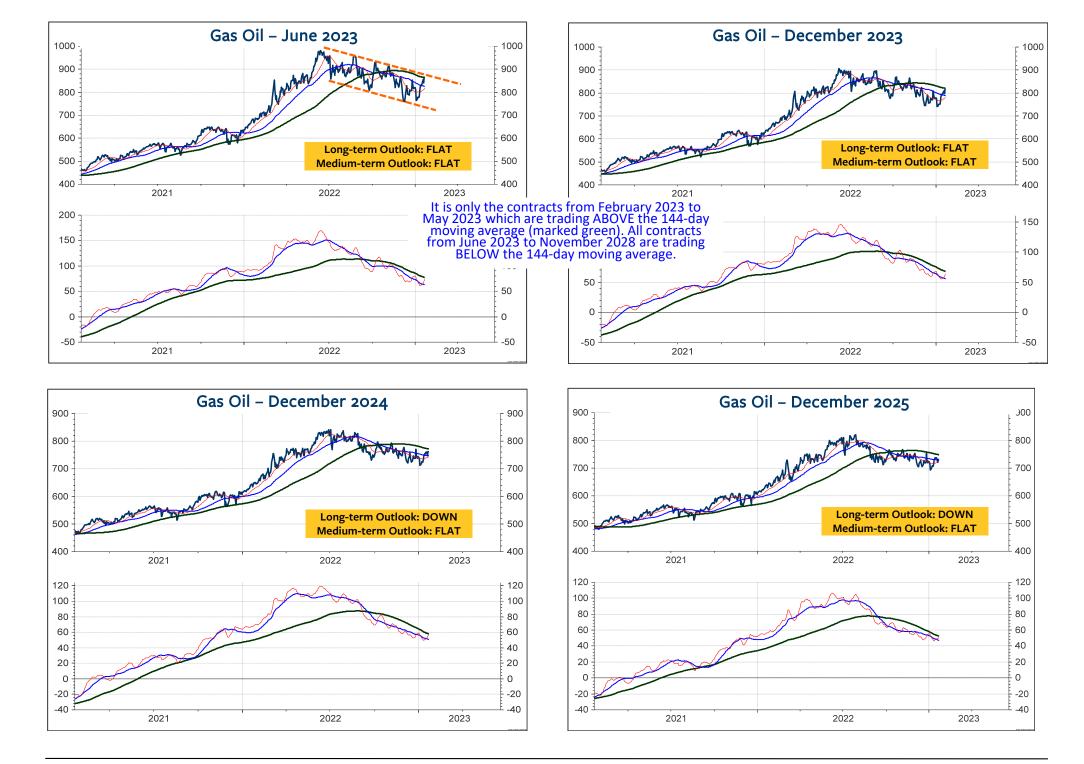
The February contract is likely to rise to 1060, 1100 or above if the resistance range 1030 to 1060 is broken.

The Medium-term Outlook would move to UP if 1060 is broken.

The Long-term Outlook is likely to move to FLAT if 1060 is broken and UP if 1150 is cleared.



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#### <u>Bertschis</u> <u>Chart</u> <u>Outlook</u>

# **Gold Spot Price**

SCORE	COMMODITY	CODE	PRICE	LT	MT	ST
100%	Gold Bullion LBM \$/t oz DELAY	GOLDBLN	1'928.55	+	+	+

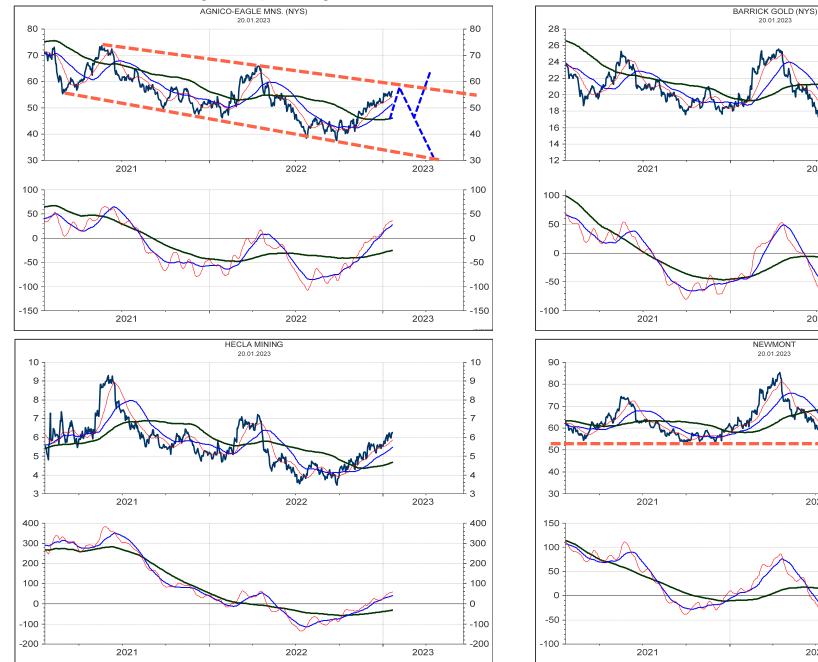
The uptrend from November is slowing and a top of at least short-term degree is likely to start from around 1960.

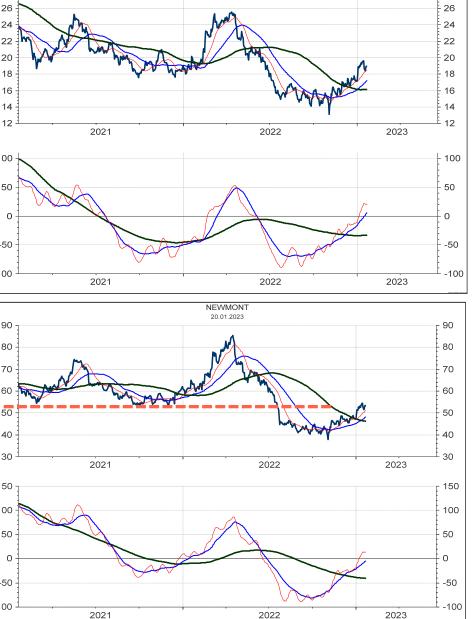


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# **Gold Stocks**

In line with the expected correction in Gold, I am looking also for the gold stocks to enter a correction which, if the lows from 2022 are not broken, could lead to a long-term uptrend signal.





20.01.2023

**Bertschis Chart Outlook** 

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# Silver Spot Price

SCORE	COMMODITY	CODE	PRICE	LT	MT	ST
100%	SILVER 5000 OZ CONTINUOUS	NSLCSoo	23.86	+	+	+

Silver could either extend the rally to 25.10 / 25.50 or it could already have entered the correction, which I have been looking for since December. Supports are 22.70, 21.80 and 20.



Bertschis Chart Outlook

## Swiss Franc per US DOLLAR

SCORE	CURRENCY	RIC	PRICE	LT	MT	ST
<b>o</b> %	US DOLLAR/Swiss Franc	CHF=	0.9204	-	-	-

The US dollar is still testing the mega support surrounding the level at 0.9150. I am holding my long-term outlook FLAT and would downgrade only if the supports at 0.9050 and 0.8950 fail to hold. My medium-term outlook could move to FLAT above 0.94 and UP above 0.95.

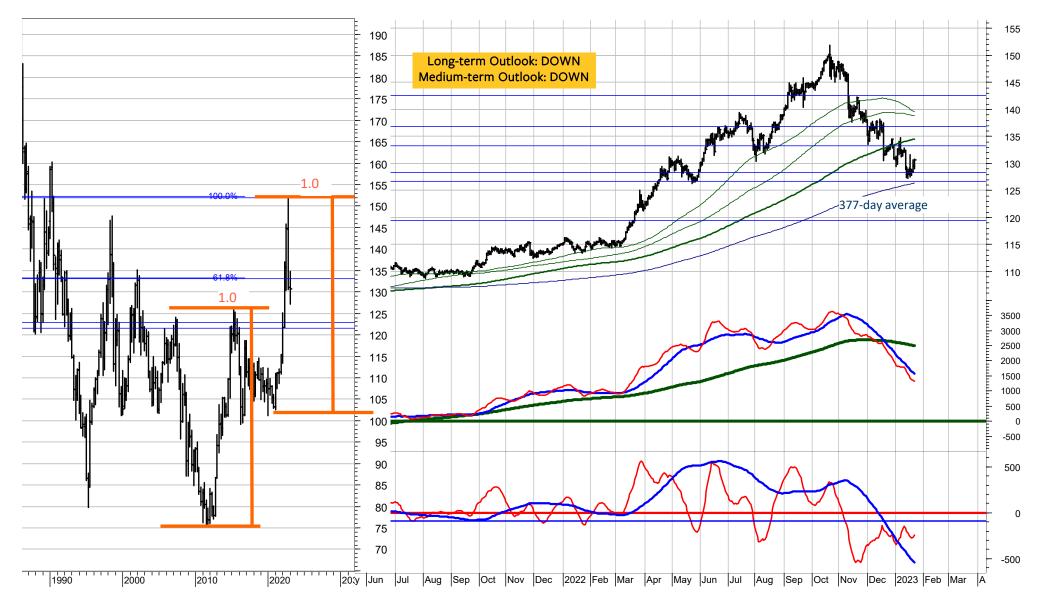


Bertschis Chart Outlook

# Japanese Yen per US DOLLAR

SCORE	CURRENCY	RIC	PRICE	LT	MT	ST
<b>o</b> %	US DOLLAR/Japanese Yen	JPY=	129.57	_	-	-

The US dollar entered a major correction at the mega resistance 150 to 155. Supports are 128 to 126 and 119. Resistances are 134, 137 and 143.



# US dollar per EURO

SCORE CURRENCY	RIC	PRICE	LT	MT	ST
100% Euro/US DOLLAR	EUR=	1.0855	+	+	+

The Euro would signal a correction of at least short-term, possibly medium-term degree if the supports are broken at 1.0820, 1.9750 and 1.0650.



Bertschis Chart Outlook

# Swiss franc per EURO

SCORE	CURRENCY	RIC	PRICE	LT	MT	ST
<b>8</b> 3%	Euro/SwissFranc	EURCHF=	0.9988	+	+	+

I am not sure how far the present retracement rally will carry, possibly to 1.0110 or 1.0250. But, clearly, the uptrend from September would give way to a more sizable correction if the supports at 0.9930 and 0.9890 are broken. Lower supports are at 0.9860, 0.9830, 0.98 and 0.9650. My Long-term Outlook could move to UP if 1.01 to 1.0150 is broken.



#### Bertschis Chart Outlook

# 32 Cryptocurrencies – sorted according to the Score (left) and alphabetically (right)

SCORE	CURRENCY
100%	USD TO BITCOIN CASH CRYPTO
100%	USD TO DASH CRYPTO
100%	USD TO MONERO CRYPTO
100%	USD TO TRONIX CRYPTO
94%	USD TO LITECOIN CRYPTO
<b>89</b> %	USD TO BINANCE COIN CRYPTO
<b>89</b> %	USD TO BITCOIN CRYPTO
<b>89</b> %	USD TO CHAINLINK CRYPTO
<b>89</b> %	USD TO EOS CRYPTO
<b>89</b> %	USD TO ETHEREUM CRYPTO
<b>89</b> %	USD TO LISK CRYPTO
<b>89</b> %	USD TO NEO CRYPTO
<b>89</b> %	USD TO POLKADOT CRYPTO
<b>89</b> %	USD TO SOLANA CRYPTO
89%	USD TO VERGE CRYPTO
83%	USD TO DAI CRYPTO
83%	USD TO ETHEREUM CLASSIC CRYPTO
<b>78</b> %	USD TO oX CRYPTO
<b>78</b> %	USD TO BASIC ATTENTN TOKEN CRYPTO
<b>78</b> %	USD TO BITCOIN SV CRYPTO
<b>78</b> %	USD TO CARDANO CRYPTO
<b>78</b> %	USD TO QUANTUM CRYPTO
<b>78</b> %	USD TO STELLAR CRYPTO
<b>78</b> %	USD TO ZCASH CRYPTO
<b>72</b> %	USD TO RIPPLE CRYPTO
67%	USD TO BITCOIN GOLD CRYPTO
67%	USD TO IOTA CRYPTO
<b>6</b> 7%	USD TO OMISEGO CRYPTO
<b>6</b> 7%	USD TO WAVES CRYPTO
<mark>61</mark> %	USD TO AUGUR CRYPTO
<mark>61</mark> %	USD TO METAVERSE CRYPTO
<b>28</b> %	USD TO SANTIMENT CRYPTO

SCORE	CURRENCY	RIC	PRICE	LT	МТ	ST
<b>78</b> %	USD TO oX CRYPTO	ZRX=CCCL	0.2154	uo	+	+
<mark>61</mark> %	USD TO AUGUR CRYPTO	REP=CCCL	5.6500	-	+	+
<b>78</b> %	USD TO BASIC ATTENTN TOKEN CRYPTO	BAT=CCCL	0.24950000	uo	+	+
<b>89</b> %	USD TO BINANCE COIN CRYPTO	BNB=CCCL	302.21000000	+	+	+
100%	USD TO BITCOIN CASH CRYPTO	BCH=CCCL	125.95000000	+	+	+
<b>89</b> %	USD TO BITCOIN CRYPTO	BTC=CCCL	22'335.15000000	+	+	+
<b>67</b> %	USD TO BITCOIN GOLD CRYPTO	BTG=CCCL	15.49000000	-	+	+
78%	USD TO BITCOIN SV CRYPTO	BSV=CCCL	44.42000000	0	+	+
78%	USD TO CARDANO CRYPTO	ADA=CCCL	0.35210000	uo	+	+
<b>89</b> %	USD TO CHAINLINK CRYPTO	LINK=CCCL	6.84700000	u+	+	+
83%	USD TO DAI CRYPTO	DAI=CCCL	0.99990000	+	+	+
100%	USD TO DASH CRYPTO	DASH=CCCL	51.50000000	+	+	+
<b>89</b> %	USD TO EOS CRYPTO	EOS=CCCL	1.03600000	u+	+	+
83%	USD TO ETHEREUM CLASSIC CRYPTO	ETC=CCCL	22.06000000	u+	+	+
<b>89</b> %	USD TO ETHEREUM CRYPTO	ETH=CCCL	1'636.60000000	+	+	+
<b>67</b> %	USD TO IOTA CRYPTO	IOT=CCCL	0.21790000	-	+	+
<b>89</b> %	USD TO LISK CRYPTO	LSK=CCCL	0.90290000	uu+	+	+
<b>94</b> %	USD TO LITECOIN CRYPTO	LTC=CCCL	88.9200000	+	+	+
<mark>61</mark> %	USD TO METAVERSE CRYPTO	ETP=CCCL	0.02606000	-	+	+
100%	USD TO MONERO CRYPTO	XMR=CCCL	171.92000000	+	+	+
<b>89</b> %	USD TO NEO CRYPTO	NEO=CCCL	7.82300000	u+	+	+
67%	USD TO OMISEGO CRYPTO	OMG=CCCL	1.31500000	-	+	+
<b>89</b> %	USD TO POLKADOT CRYPTO	DOT=CCCL	6.13700000	u+	+	+
<b>78</b> %	USD TO QUANTUM CRYPTO	QTUM=CCCL	2.48600000	uo	+	+
<b>72</b> %	USD TO RIPPLE CRYPTO	XRP=CCCL	0.41000000	uu+	+	+
<b>28</b> %	USD TO SANTIMENT CRYPTO	SAN=CCCL	0.15500000	uo	0	-
<b>89</b> %	USD TO SOLANA CRYPTO	SOL=CCCL	24.57001000	u+	+	+
<b>78</b> %	USD TO STELLAR CRYPTO	XLM=CCCL	0.08775002	0	u+	+
100%	USD TO TRONIX CRYPTO	TRX=CCCL	0.06216000	+	+	+
<b>89</b> %	USD TO VERGE CRYPTO	XVG=CCCL	0.00290600	u+	+	+
<b>67</b> %	USD TO WAVES CRYPTO	WAVES=CCCL	2.24700000	-	+	+
<b>78</b> %	USD TO ZCASH CRYPTO	ZEC=CCCL	48.27000000	uo	+	+

### US Dollar to BITCOIN Crypto

The Bitcoin added another rally to the upleg from the low in December. It broke the resistances at 21.7k to 22k, which triggered buy signals. is broken with a Stop at 20.4k. Based on the downtrend channel on the longer-term chart (at right), the long-term trend could turn upwards if the resistances at 23.5k, 23.8k, 24.2k and 24.6k are broken. Next major resistances are 28.5k or 36k. However, based on the highly overbought short-term momentum indicator, it seems that a more sizable correction could start from 24.2k to 24.6k. Supports are 22.5k and 21.5k to 21.3k.



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#### Sources

The charts in this publication are from Metastock and Datastream from Refinitiv Equis. All indicators and analyses are by Rolf Bertschi.

#### **Explanation**s

For a more detailed explanation of the Trend and Momentum Models applied in this Chart Outlook, please see <a href="http://www.chartoutlook.com">www.chartoutlook.com</a> www.chartoutlook.com

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