



**ORIGO**  
CONSULTING

## Active Risk Allocation

The state of indicators

April 2023

Independent | Transparent | Disciplined



## Status

### FOMO lives, but growth coming under pressure – inflation remain sticky

- “bank crisis” addressed surgical along with other “zero-rate victims”
- policy rates will continue to rise
- activity slowdown accelerate, labour market resilient, consumers holding up
- margin pressure accelerate, as do bankruptcies.
- “China grand re-open”, not so much
- USD under pressure

### Risk overview;

Short-term **Neutral**

Medium-term **Neutral**

## ☐ Stocks – underweight

- Low vol, dividend and large cap factor

## ☐ Bonds – underweight

- Overweight credit

## ☐ Alternatives – overweight

- Non-directional, uncorrelated assets and strategies (selected alternatives eg. hedge funds ...)

## ☐ Macroeconomics

- Monetary tightening continues, policy rates & Quantitative
- Activity at 22 year low, before consumer consumption to drop
- Price headline to half a year after Russian war – core to stick around for 2025

## ☐ Indicators

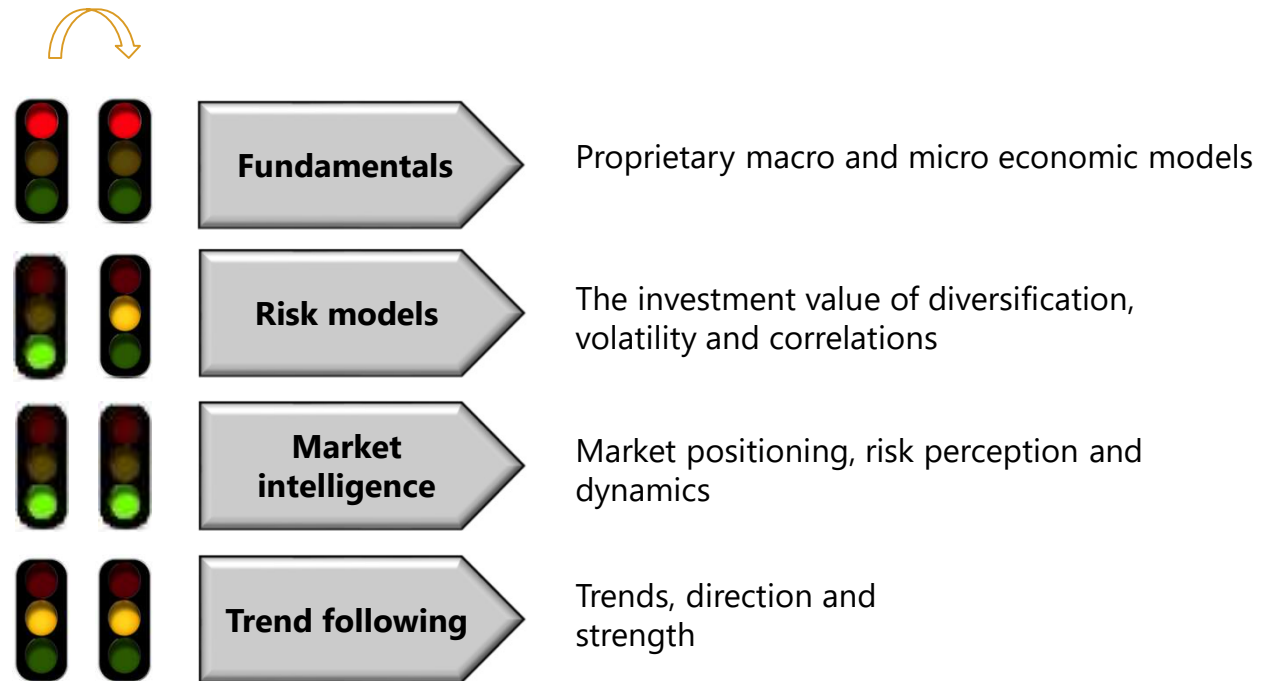
- OPRA: Neutral / Neutral (risk gauge for balance risk/risk free)
- OMRI: Neutral / Negative (model volatility gauge)



Investment  
process

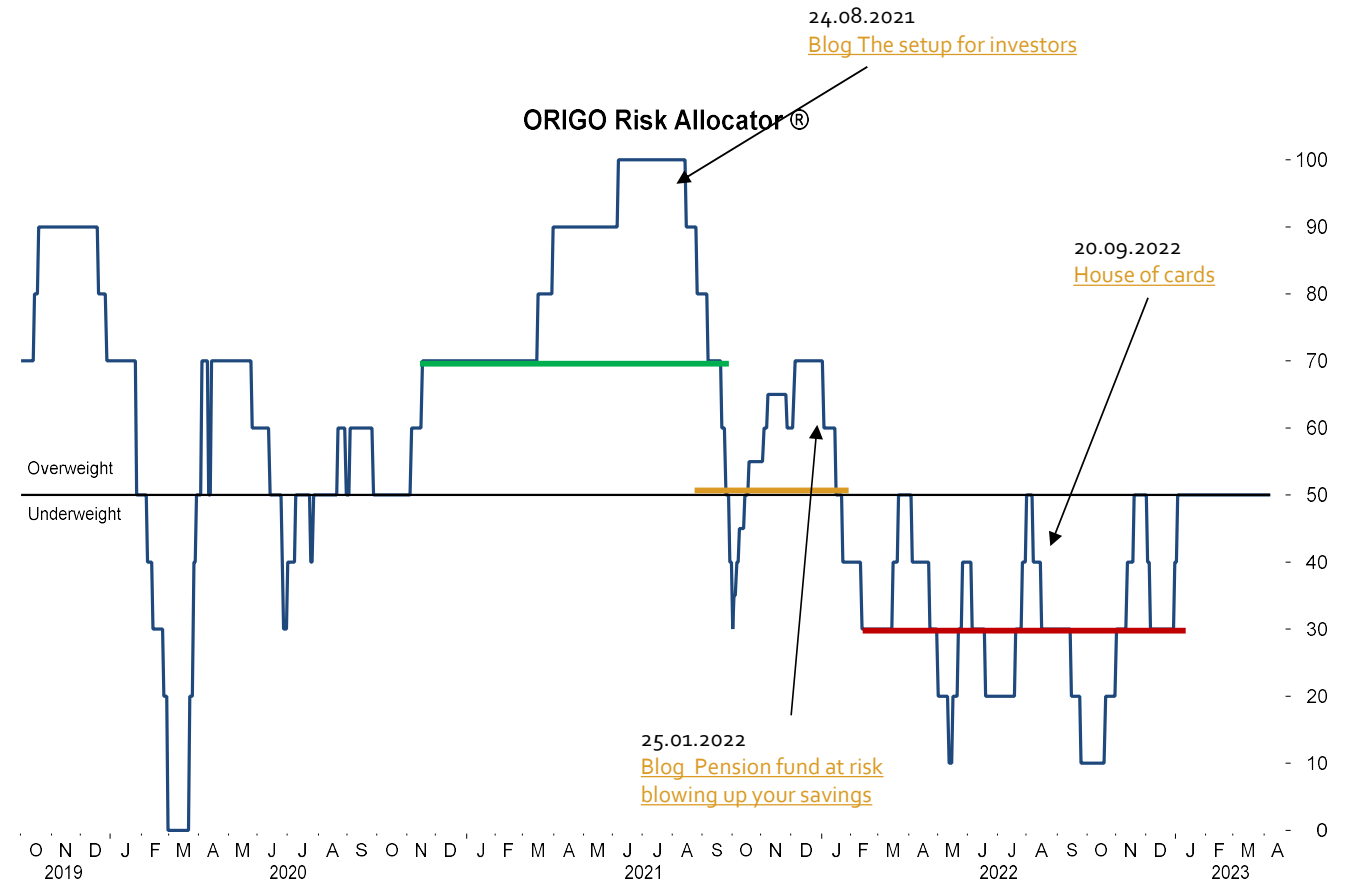
Indicators

Highly sophisticated models  
analysing about 150 indicators



# OPRA® Origo Portfolio Risk Allocator

Timeline, 2019 -



# OMRI<sup>®</sup> Origo Market Risk Indicator

## Short-term risk gauge

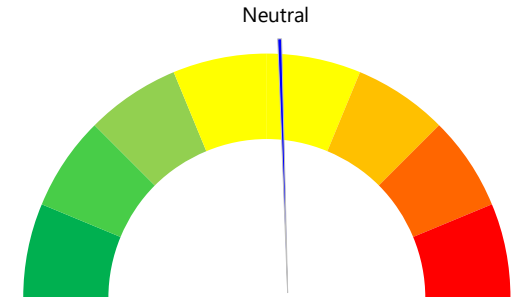
Improvement in the  
Market intelligence  
factors

Geographically, US lead  
while Europe financial  
conditions continue to  
deteriorate

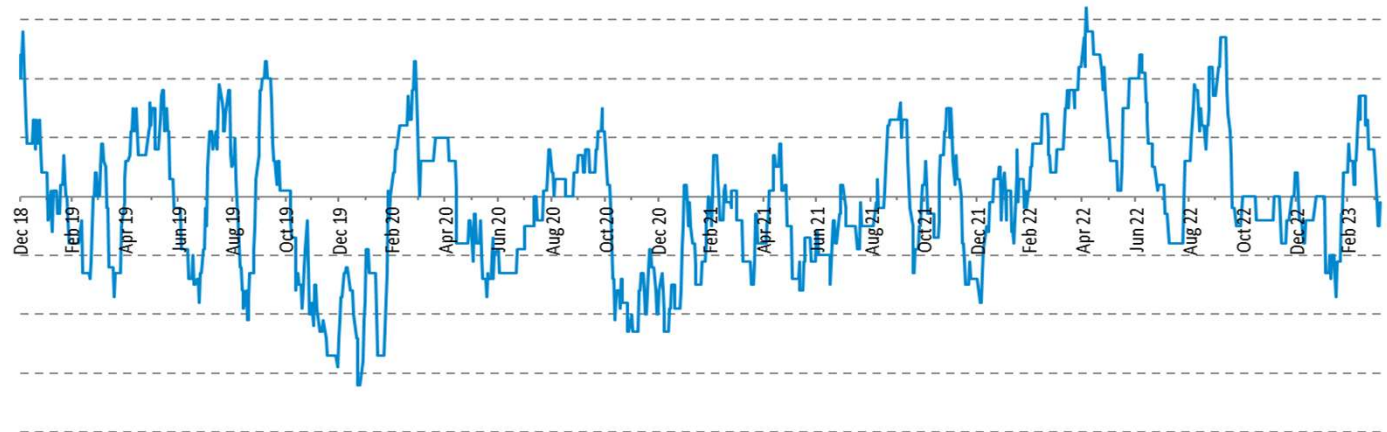


06 April 2023

Indicator	Sentiment	Last update
X-Asset correlation	Tense	06 Apr 2023
Economic Surprises	Comfortable	06 Apr 2023
Financial Conditions	Neutral	10 Apr 2023
Global Financial Stress	Neutral	06 Apr 2023
Gepolitical Risk	Feels good	31 Mar 2023



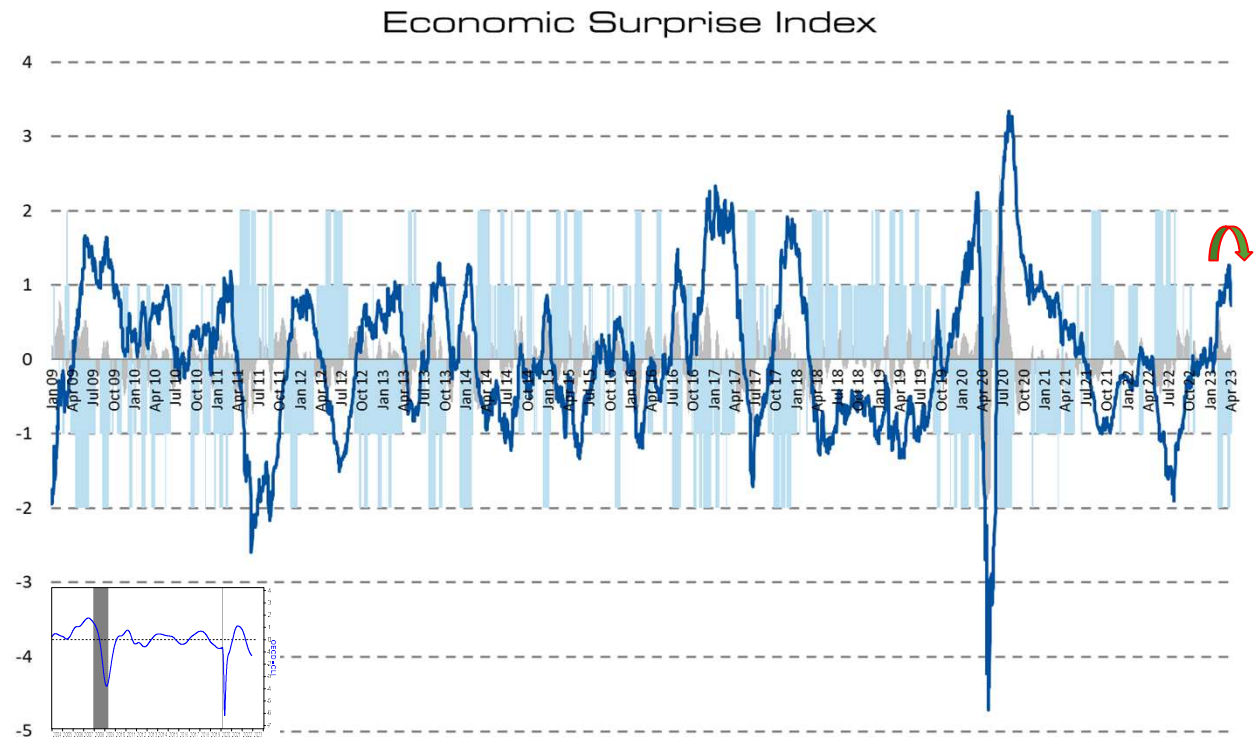
OMRI History





## Fundamentals

- Macroeconomic models
- Volatility and risk budgeting
- Market intelligence
- Technicals and trend following



### The phase of better-than-expected data is peaking

Consumer consumption holding up, service economy boom, production sector crater. Mid-2023 remains the challenging phase, as consumer savings deplete and 1 year of monetary policy takes effect.

The ESI (above centre) is a powerful indicator of coming stress.

## Fundamentals .. Consumption & earnings

### □ Macroeconomic models

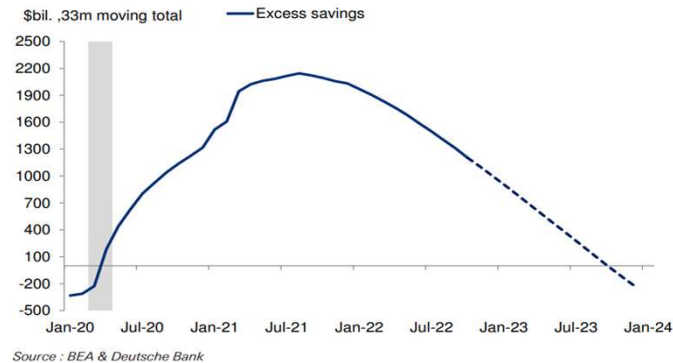
### □ Volatility and risk budgeting

### □ Market intelligence

### □ Technicals and trend following



Figure 1: Excess savings still elevated but will be depleted by Q3 2023



### Micro earnings have peaked

Earnings growth has kept-up much better than feared as all companies push up output prices regardless of whether input prices have risen.

This is now turning and earnings growth turning negative. A prelude to a possible earnings recession

### Consumer consumption to peak

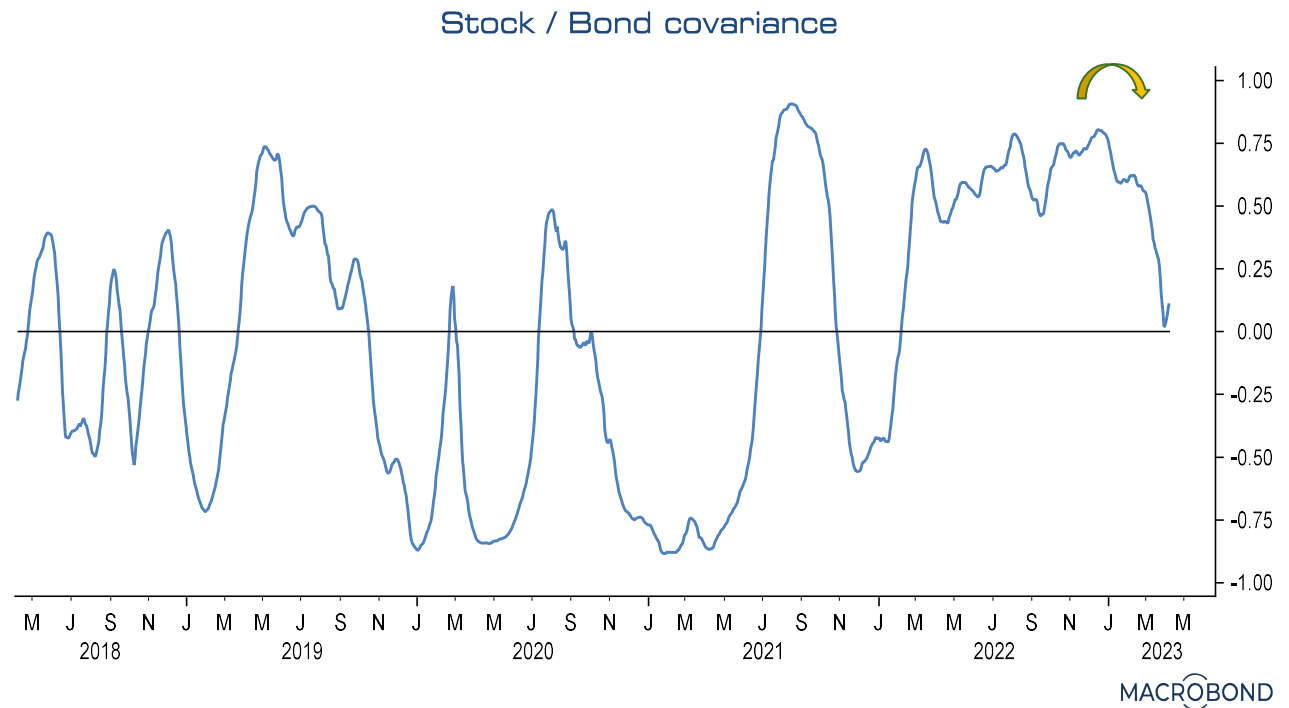
Excess Covid savings has been replaced by consumers racking up credit card debt.

United States corporates profitability expected to slow down in the coming months



## Volatility and Risk budgeting

- Macroeconomic models
- **Volatility and risk budgeting**
- Market intelligence
- Technicals and trend following



### Correlations turned random

The 60/40 passive fixed combination is based on the assumption of constant negative correlations, despite this being more an exception than a rule over the past 10 years. When the diversification benefit is low, there is not much to be gained from diversifying. Cash and alternatives should then be meaningfully increased.

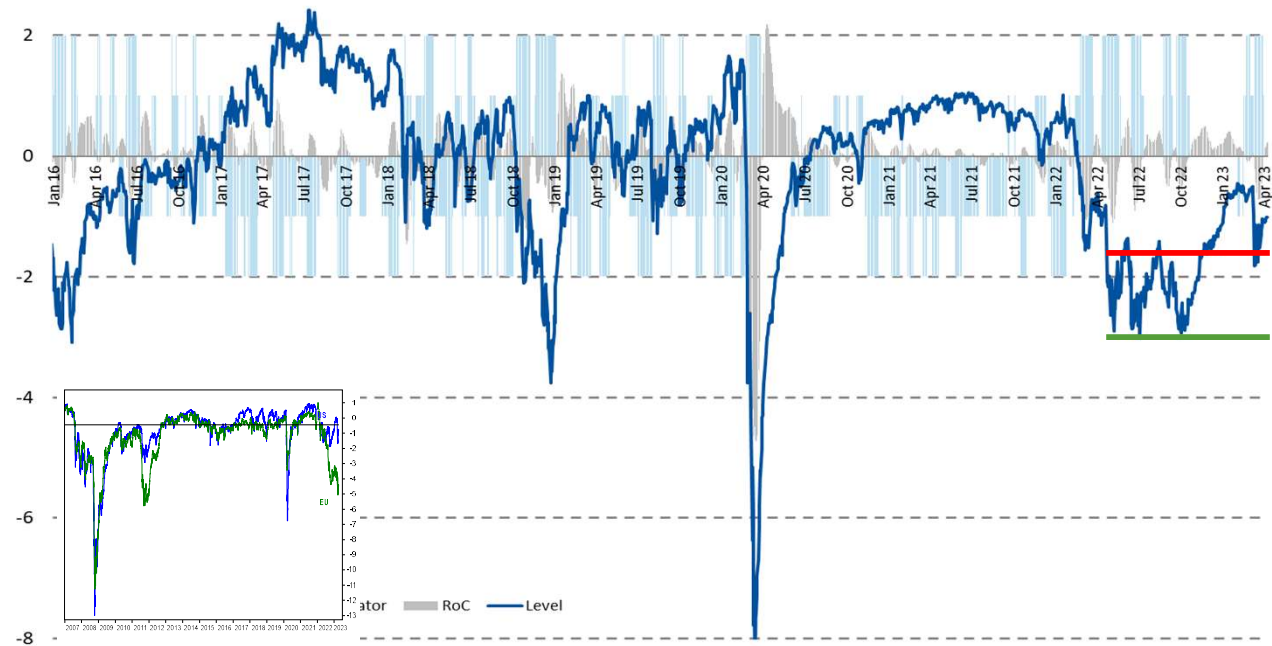




## Market intelligence

- Macroeconomic models
- Volatility and risk budgeting
- Market intelligence**
- Technicals and trend following

### Financial Conditions



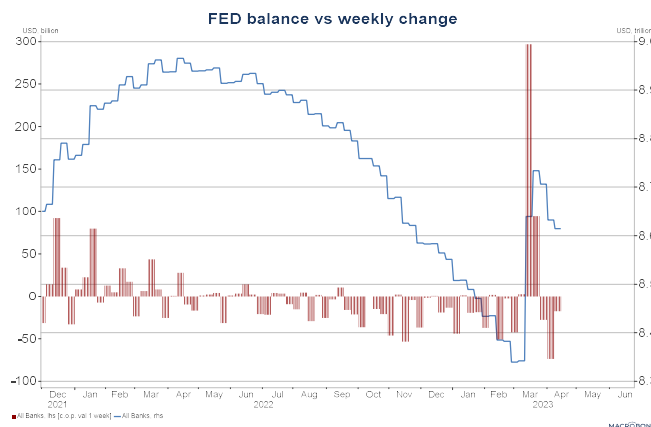
### Financial conditions and market risk perception subdued but stable

Credit conditions, following knee-jerk on “bank crisis”, in a continued tightening.

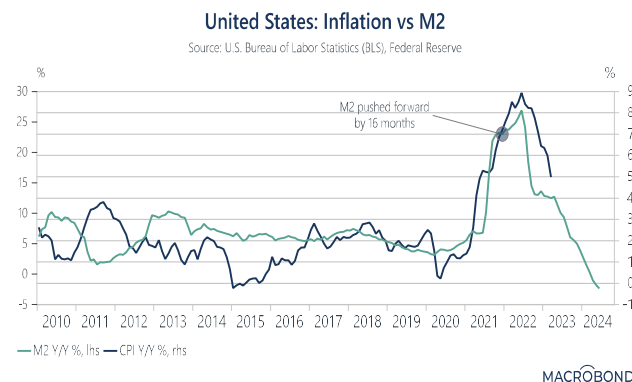
A measure of global cross-market measure of risk, credit conditions, hedging demand(volume, skew) and investor flows in the financial system.

# Market intelligence .. the “bank crisis”

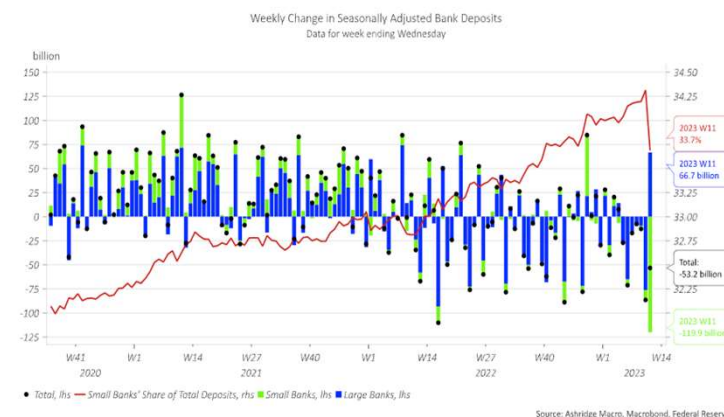
- Macroeconomic models
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**Fed balance** knee-jerk on bank term funding (BTFF) providing a risk-on boost, but has resumed decline as QT continue



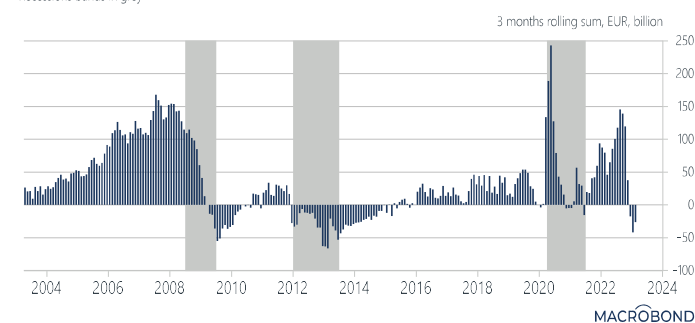
**M2 growth** has turned negative as excess Covid-liquidity is reversed



**Cash pattern** - banks move into Fed (building buffer) - clients move from small to big banks and into MM funds. Weakening credit conditions ...

## Euro Area: loans to non-financial corporations

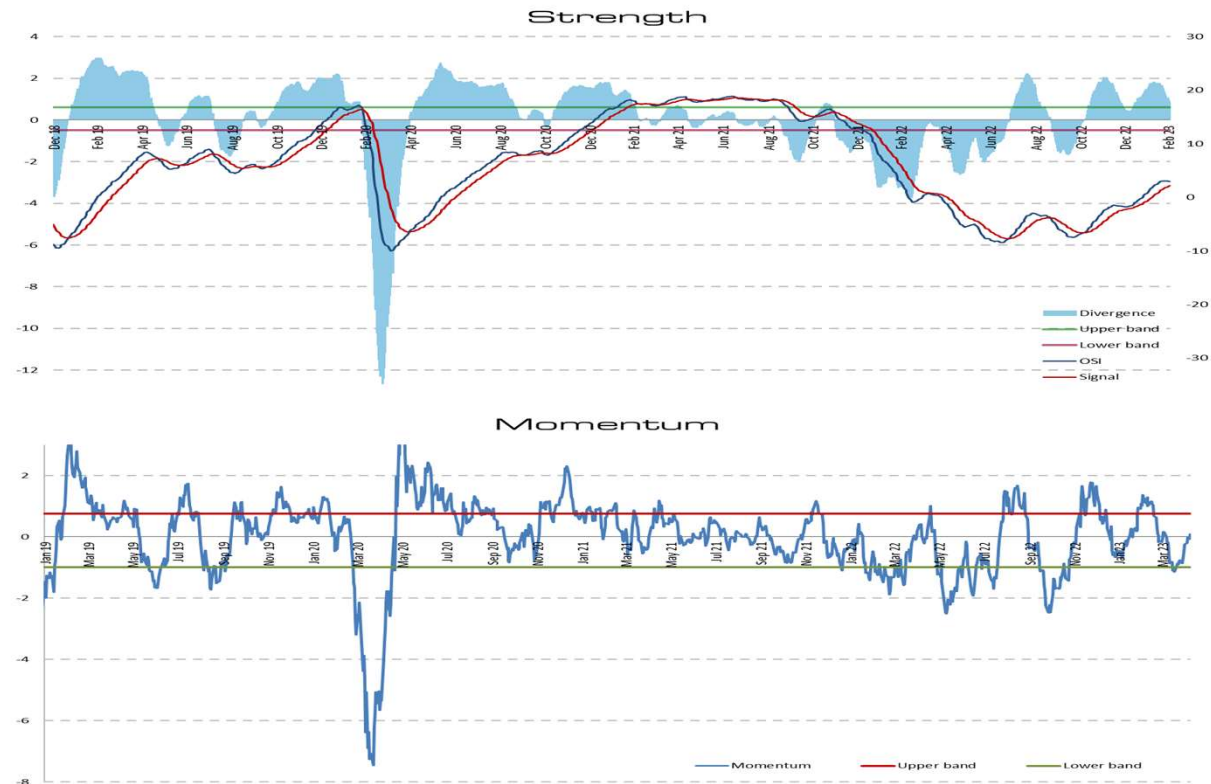
Source: Macrobond Financial AB, ECB (European Central Bank)  
Recessions bands in grey



**EU bank credit growth** is now in negative territory

## Technicals

- Macroeconomic models
- Volatility and risk budgeting
- Market intelligence
- Technicals and trend following



**Short-term neutral in risk channel.** Odds improves switching for neutral return. Medium-term trend remains stable.

Trend strength in the various market is an expression of the persistence of the currently existing trend.

## Current status



### Macroeconomics

Policy rates higher for longer. The point; not peak inflation, nor peak policy rate.

China housing bubble to stymie Grand Reopening 2.0 as will contraction in consumer demand. IMF's "1/3 of world 2023 in recession" holding up towards a period of sub-par growth – all according to plan



### Technicals

Medium-term trend in risk assets are stabilising.

Short-term technicals keep switching between buy/sell.



### Market Risk and market intelligence

US financial conditions have improved. Powell has stayed off verbal intervention in 2023, for now, but might just step up again.

Credit conditions following US "mini-bank crisis" has weakened already tight scenario



### Volatility and risk budgeting

Portfolio risk has weakened – volatility now in low end of channel and correlations has turned stochastic.

The volatility pattern is adapting to a new regime probably entered Sep 2021.



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# Active Risk Allocation

2023

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Business as usual ?

ORIGO Sep 2021: "A regime change is in the making ..."

	2009-2021	Today
System	Neo-liberal multi-lateralism	Zero-sum nationalism?
Geopolitics	Stable	War (trade/conventional)
Clima	Predictable	Greater variance
Trade	Global	De-globalisation
Central bank behavior	Highly stimulative	Tightening
Inflation	Dormant	40-year high
Economic outlook	Positive	Global recession a 50/50
Likelihood of distress	Minimal	Rising
Mood	Optimistic	Guarded
Buyers	Eager	Hesitant
Holders	Complacent	Undertain
Key worry	FOMO	Investment losses
Risk aversion	Absent	Rising
Credit window	Wide open	Constricted
Financing	Plentiful	Scarce
Interest rates	Lowest ever	More normal

On the radar



Independent | Transparent | Disciplined

## Macro risk - China

### “Grand opening 2.0” – improving, not soaring

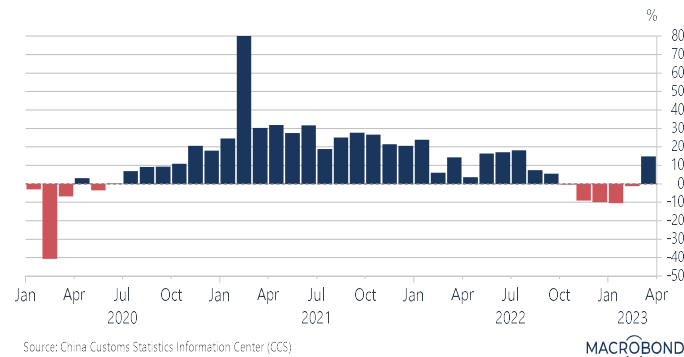
PBoC May 2022 stimulus

- Zero-CoVID policy
- Tech sector crackdown
- Changing demographics
- De-globalisation
- Real estate recession
- Major draught
- Belt & Road debt trouble

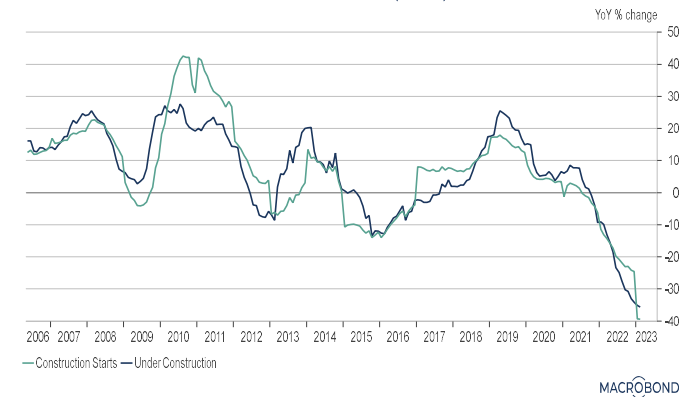


#### China's exports hurt by global consumption slump

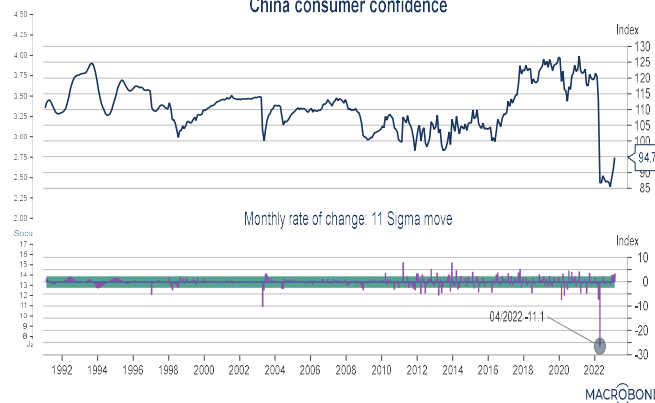
Monthly exports, year-on-year growth (%)



#### Real estate market (China)



#### China consumer confidence





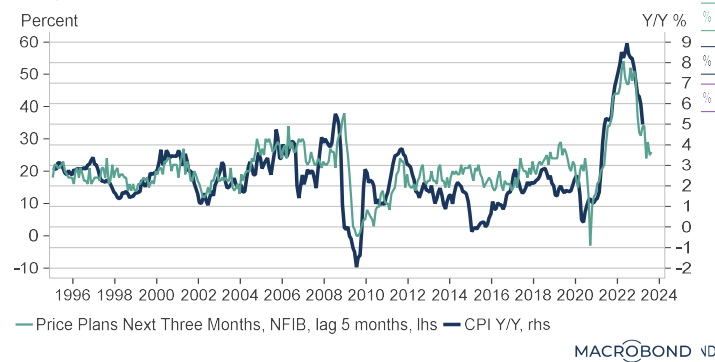
## Macro risk — Inflation

As expected, headline coming down fast – core on track to remain sticky at around 4%

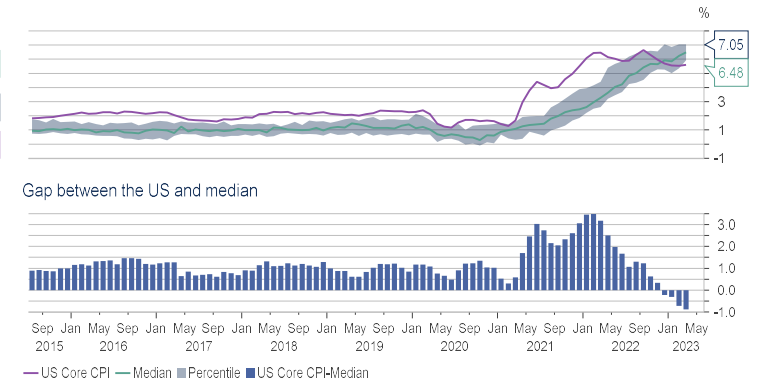
- Inflation soaring heading into 2022 (CB over-stimulation)
- Russia-Ukraine war
- China, 1-child, zero-CoVID
- De-globalisation

### Small business pricing intentions are a harbinger of CPI

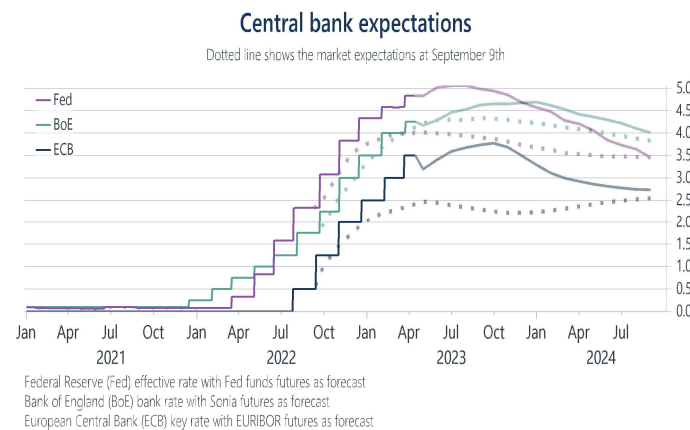
Source: U.S. Bureau of Labor Statistics (BLS), National Federation of Independent Business



### Core inflation: US vs. group of 20 advanced economies



## FIFO expectation weigh on the USD



### United States: Inflation tracker

Color-coded based on rolling 3 year z-score

	4/2023	3/2023	2/2023	1/2023	12/2022	11/2022	10/2022	9/2022	8/2022	7/2022	6/2022	5/2022	4/2022
<b>Economic Measures</b>													
PCE Y/Y %			5.0	5.3	5.3	5.7	6.1	6.3	6.3	6.4	6.9	6.6	6.1
Core PCE Y/Y %			4.6	4.7	4.6	4.8	5.1	5.2	4.9	4.7	5.0	4.9	5.0
CPI Y/Y %			5.0	6.0	6.3	6.4	7.1	7.8	8.2	8.2	8.8	8.7	8.4
Core CPI Y/Y %			5.5	5.5	5.7	6.0	6.3	6.6	6.5	5.9	5.4	6.0	6.1
PPI Y/Y %			2.9	5.0	5.9	6.6	7.4	8.2	8.5	8.7	9.7	10.9	11.1
Core PPI Y/Y %			3.4	4.9	5.2	5.9	6.2	6.9	7.2	7.2	7.6	8.3	8.6
Atlanta Fed Wage Growth			6.4	6.1	6.1	6.1	6.2	6.2	6.3	6.7	6.7	7.1	7.1
Manheim Used Vehicle Y/Y %			-2.4	-7.1	-12.8	-14.9	-14.2	-10.6	-0.1	8.4	12.5	9.7	14.0
<b>Inflation Expectations</b>													
Expected inflation, Fed Cleveland, 1 Year	2.6	2.1	2.6	2.7	2.9	3.2	2.9	4.2	3.4	3.3	4.5	3.8	3.4
Expected inflation, Fed Cleveland, 2 Year	2.4	2.2	2.4	2.5	2.5	2.8	2.6	3.0	2.7	2.7	3.2	2.9	2.7
Break-even inflation, 5 Year	2.4	2.5	2.2	2.2	2.3	2.6	2.1	2.6	2.7	2.5	2.9	3.3	3.3
Break-even inflation, 10 Year	2.3	2.4	2.2	2.2	2.2	2.5	2.1	2.4	2.4	2.2	2.6	2.9	2.9
Conference Board, Inflation expectations	6.3	6.2	6.7	6.6	7.1	6.9	6.8	7.0	7.4	7.9	7.5	6.9	6.9
<b>Commodities</b>													
USCI Commodities Y/Y %	-10.0	-0.3	12.8	26.0	37.4	24.7	23.6	42.2	42.7	45.0	63.8	59.8	
USCI Industrial Metals Y/Y %	-21.0	-15.7	-1.9	-7.6	-3.7	-15.9	-13.2	-10.2	-7.3	-4.7	6.6	17.9	
USCI Softs Y/Y %	1.0	3.3	1.0	2.0	0.7	9.9	0.2	13.7	12.3	21.7	33.5	36.3	
Baltic Dry Index Y/Y %	-41.1	-51.5	-52.0	-31.7	-55.1	-58.4	-65.9	-76.8	-42.4	-33.8	-1.2	21.3	
Lumber Futures Y/Y %	-61.5	-69.9	-46.5	-67.4	-47.9	-22.0	-32.7	5.4	-15.1	-7.4	-5.0	-30.7	

Standard deviations above mean shaded in darker red Close to mean Standard deviations below mean shaded in darker blue

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