

# UBS Bloomberg CMCI

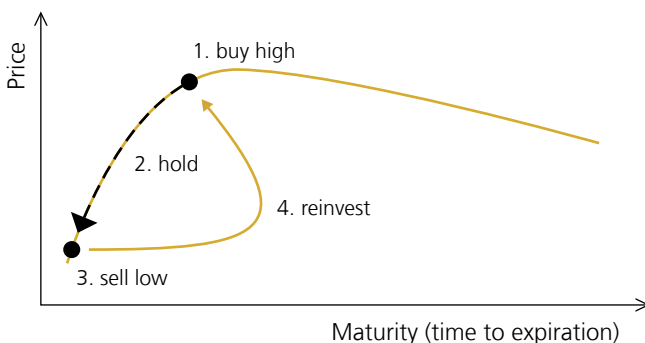
## *Summary of key facts*



The UBS Bloomberg CMCI Index family was developed by UBS in cooperation with Bloomberg to track real performance of commodity prices via futures contracts as closely as possible. The UBS Bloomberg CMCI Index family is the first to use up to five constant maturities, as well as maintaining broad-based diversification across 27 commodity futures contracts.

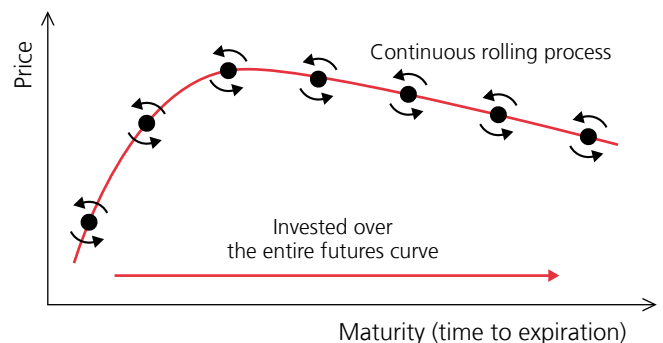
The index thus reflects the complete pricing picture and all market opinions, whilst at the same time reducing negative roll returns. Daily rolling of futures contracts ensures that the average time-to-maturity of the futures contracts tracked in the UBS Bloomberg CMCI index is kept permanently constant, unlike most traditional indices that only roll once a month.

### Traditional commodity indices



Traditional indices are generally invested exclusively in short-term futures contracts. They therefore only consider a small proportion of the commodity market. In a contango situation, as seen in the example graph at the short end of the futures curve, this limited method which excludes futures contracts with longer maturities will inevitably lead to negative roll returns.

### UBS Bloomberg CMCI



By contrast, the UBS Bloomberg CMCI Index exhibits a substantially broader diversification across the available maturities. This allows the commodity market to be tracked more comprehensively. The effects of any negative roll returns at the short end of the futures curve can be reduced (and sometimes even moved into positive territory) by switching to other maturities. We can generalise from this to say that using all futures maturities reduces the direct impact of the short end of the futures curve.

## Weighting procedure for UBS Bloomberg CMCI Index Family

### Stage 1: Sector weighting

Determining the sector weighting is the first stage in the weighting process. The UBS Bloomberg CMCI Composite Index covers all five sectors: energy, industrial metals, precious metals, agriculture and livestock. At sector level a higher weighting is assigned to economic significance (two thirds) than liquidity (one third).

**Economic significance of the sector:** the sector's economic significance is calculated by adding the relevant commodity sector's share in the consumer price index (CPI) (two thirds) and in the producer price index (PPI) (one third)

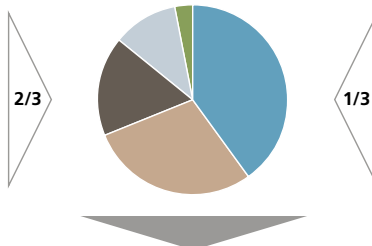
and multiplying it by the sector's share of the gross domestic product (GDP) of the USA, EU and Japan.

**Sector liquidity:** sector liquidity is determined based on two futures market indicators reported on the relevant exchanges: open interest and market turnover for the relevant commodity sector, which are each given a 50% weighting. Open interest represents the nominal market value of the open/outstanding futures contracts in the relevant sector. Market turnover reflects the accumulated nominal volumes of futures contracts traded.

#### Stage 1: Sector weighting

Sector's economic significance

USA (CPI (2/3) + PPI (1/3)) x GDP Weight  
 EU (CPI (2/3) + PPI (1/3)) x GDP Weight  
 Japan (CPI (2/3) + PPI (1/3)) x GDP Weight



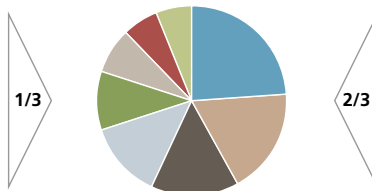
Sector liquidity

Sector open interest 50%  
 Sector turnover 50%

#### Stage 2: Component weighting

Economic significance of components

Share of components in the dollar value of global consumption



Component liquidity

Component's share in the sector's open interest 50%  
 Component's share in the sector's turnover 50%

### Stage 2: Component weighting

The second stage of the process involves calculating the share of the individual commodities within their allocated sector through a process of component weighting. This determines for example the share of WTI crude futures in the energy sector. Economic significance and market liquidity are also considered at the component level. However, at this point a higher weighting is assigned to the component liquidity for each commodity (two thirds) than to the economic significance of the sector (one third).

**Economic significance of components:** the component's economic significance is determined by its share in the dollar value of global consumption for each individual commodity within the relevant sector. The greater the relative consumption of a commodity, the greater its share tends to be in the relevant sector.

**Component liquidity:** as at sector level, component liquidity is again determined by two parameters on the futures market: component liquidity is determined by the respective commodity's share in the sector's open interest (half) and the sector's market turnover (half) (see explanation above).

## UBS Bloomberg CMCI Index Universe

Entire Commodity Sector	UBS Bloomberg CMCI Composite Index				
Energy & Metals	UBS Bloomberg CMCI Energy & Metals Index				
Industry Focus	Energy	Industrial Metals	Precious Metals	Livestock	Agriculture
Single Commodity Focus	WTI Crude Oil	Copper	Gold	Live Cattle	Wheat
	Brent Crude Oil	Zinc	Silver	Lean Hogs	Milling Wheat
	Heating Oil	Aluminium	Platinum		Corn
	Gasoil	Nickel			Sojabohnen
	Gasoline	Lead			Soybean Meal
	Natural Gas				Soybean Oil
					Sugar
					Cocoa
					Coffee
					Cotton
					Rough Rice

# UBS ETCs on CMCI Indices

## *Daily trading liquidity*

Index	USD			CHF currency hedged			EUR currency hedged		
	SIX Symbol	ISIN	Fee p.a.	SIX Symbol	ISIN	Fee p.a.	SIX Symbol	ISIN	Fee p.a.
<b>Composite Index</b>									
Commodity Sector	CMCI Composite TR Index	TCMCI CH0031794263	0.38%	CCMCI CH0034808169	0.81%		ECMCI CH0034808136	0.50%	
	CMCI Composite 3M TR Index	TCM3M CH0031794214	0.38%						
	CMCI Composite 6M TR Index	TCM6M CH0031794206	0.38%						
	CMCI Composite 1Y TR Index	TCM1Y CH0029777445	0.38%						
<b>Energy</b>									
Energy Sector	CMCI Energy TR Index	TENCI CH0042990041	0.40%	CENCI CH0042990074	0.84%		EENCI CH0042990066	0.52%	
WTI Crude Oil	CMCI WTI TR Index	TCLCI CH0033333326	0.30%	CCLCI CH0037069876	0.72%		ECLCI CH0037069843	0.42%	
	CMCI WTI 3M TR Index	TCL3M CH0033333342	0.30%						
	CMCI WTI 6M TR Index	TCL6M CH0033333359	0.30%						
	CMCI WTI 1Y TR Index	TCL1Y CH0033333367	0.30%						
Brent Crude Oil	CMCI Brent TR Index	TCOCI CH0032661685	0.30%	CCOCI CH0035787859	0.72%		ECOCI CH0035787909	0.42%	
	CMCI Brent 3M TR Index	TCO3M CH0032661693	0.30%						
	CMCI Brent 6M TR Index	TCO6M CH0032661701	0.30%						
	CMCI Brent 1Y TR Index	TCO1Y CH0032661719	0.30%						
Gasoil	CMCI Gasoil TR Index	TQSCI CH0037787592	0.40%						
Gasoline	CMCI Gasoline TR Index	TXBCI CH0036834908	0.40%	CXBCI CH0036834981	0.84%		EXBCI CH0036834882	0.52%	
Heating Oil	CMCI Heating Oil TR Index	THOCI CH0037787600	0.40%						
Natural Gas	CMCI Natural Gas TR Index	TNGCI CH0037787659	0.40%	CNGCI CH0042990090	0.84%		ENGCI CH0042990082	0.52%	
<b>Industrial Metals</b>									
Industrial Metals Sector	CMCI Industrial Metals TR Index	TIMCI CH0035657417	0.37%	CIMCI CH0036249024	0.81%		EIMCI CH0036249016	0.49%	
Aluminium	CMCI Aluminium TR Index	TLACI CH0037787576	0.37%	CLACI CH0037787899	0.81%		ELACI CH0039918609	0.49%	
Copper	CMCI Copper TR Index	TLPCI CH0037787584	0.37%	CLPCI CH0037787907	0.81%		ELPCI CH0039918591	0.49%	
Lead	CMCI Lead TR Index	TLLCI CH0037787626	0.37%	CLLCI CH0037787949	0.81%		ELLCI CH0037787782	0.49%	
Nickel	CMCI Nickel TR Index	TLNCI CH0037787667	0.37%	CLNCI CH0037787980	0.81%		ELNCI CH0037787824	0.49%	
Zinc	CMCI Zinc TR Index	TLXCI CH0037787717	0.37%	CLXCI CH0037788038	0.81%		ELXCI CH0037787873	0.49%	
<b>Precious Metals</b>									
Precious Metals Sector	CMCI Precious Metals TR Index	TPMCI CH0042990108	0.49%	CPMCI CH0042990199	0.92%		EPMCI CH0042990116	0.61%	
Gold	CMCI Gold TR Index	TGCCCI CH0036991427	0.26%	CGCCCI CH0036249057	0.66%		EGCCCI CH0036248992	0.38%	
Silver	CMCI Silver TR Index	TSICI CH0036991435	0.37%	CSICI CH0036249040	0.80%		ESICI CH0036249008	0.49%	
Platinum	CMCI Platinum TR Index	TPLCI CH0039194219	0.49%	CPLCI CH0039205601	0.92%		EPLCI CH0039205627	0.61%	
<b>Agriculture</b>									
Agriculture Sector	CMCI Agriculture TR Index	TAGCI CH0033726370	0.47%	CAGCI CH0035787800	0.84%		EAGCI CH0035787842	0.55%	
	CMCI Agriculture 1 Year TR Index	TAG1Y CH0110257455	0.60%						
Food	CMCI Food TR Index	TFOCI CH0038468804	0.55%	CFOCI CH0038468846	0.92%		EFOCI CH0038468838	0.63%	
Cocoa	CMCI Cocoa TR Index	TQCCI CH0035657383	0.56%	CQCCI CH0036985031	0.99%		EQCCI CH0036985049	0.68%	
Coffee	CMCI Coffee TR Index	TKCCI CH0035657409	0.54%	CKCCI CH0036985015	0.98%		EKCCI CH0036985023	0.66%	
Corn	CMCI Corn TR Index	TCNCI CH0034478849	0.47%	CCNCI CH0036835012	0.91%		ECNCI CH0036834890	0.59%	
Cotton	CMCI Cotton TR Index	TCTCI CH0035657425	0.46%	CCTCI CH0036984992	0.90%		ECTCI CH0036985007	0.58%	
Milling Wheat	CMCI Milling Wheat TR Index	TCACI CH0131514173	0.59%	CCACI CH0131514181	1.01%		ECACI CH0131514165	0.57%	
Soybeans	CMCI Soybeans TR Index	TSYCI CH0036834866	0.46%	CSYCI CH0036835038	0.90%		ESYCI CH0036834924	0.58%	
Soybean Meal	CMCI Soybean Meal TR Index	TSMCI CH0037787675	0.53%						
Soybean Oil	CMCI Soybean Oil TR Index	TBOCI CH0037787683	0.53%						
Sugar	CMCI Sugar #11 TR Index	TSBCI CH0035657391	0.63%	CSBCI CH0036835046	1.07%		ESBCI CH0036834940	0.74%	
Wheat	CMCI Wheat TR Index	TWWCI CH0034478864	0.47%	CWWCI CH0036835020	0.91%		EWWCII CH0036834965	0.59%	
Rough Rice	CMCI Rough Rice TR Index	TRRCI CH0118479614	0.96%	CRRCI CH0118479630	1.18%		ERRCI CH0118479622	1.08%	
<b>Livestock</b>									
Lean Hogs	CMCI Lean Hogs TR Index	TLHCI CH0037787634	0.54%	CLHCI CH0042990223	0.98%		ELHCI CH0042990215	0.66%	
Live Cattle	CMCI Live Cattle TR Index	TLCCI CH0037787642	0.49%	CLCCI CH0042990264	0.93%		ELCCI CH0042990231	0.61%	
<b>Energy &amp; Metals</b>									
	CMCI Energy & Metals TR Index	TEMCI CH0197973420	0.38%	CEMCI CH0197973412	0.81%		EEMCI CH0197973438	0.50%	
<b>Benchmark Indices</b>									
S&P GSCI with CMCI weighting	S&P GSCI weighted CMCI TR Index	GCMCI CH0048491788	0.50%						
DJ-UBS with CMCI weighting	DJ-UBS Constant Maturity TR Index	TDJCM CH0116406890	0.50%	CDJCM CH0116406916	0.72%		EDJCM CH0116406908	0.62%	
<b>2x Leveraged</b>									
	2x Long CMCI WTI Crude Oil ER Index	OIL2L CH0035730362	0.98%						
	2x Long CMCI Gold ER Index	GLD2L CH0102709042	0.94%						
	2x Long CMCI Silver ER Index	SIL2L CH0102709059	1.05%						
	2x Short CMCI WTI Crude Oil ER Index	OIL2S CH0035730370	0.98%						
	2x Short CMCI Gold ER Index	GLD2S CH0102725956	0.94%						
	2x Short CMCI Silver ER Index	SIL2S CH0102725964	1.05%						

You can find more information on the products presented, including opportunities and risks, in the glossary and the risk warning at the end of this document as well as in the term sheets and factsheets that can be inspected on the internet using the Valor or ISIN number: [keyinvest-ch.ubs.com](http://keyinvest-ch.ubs.com)

## Key advantages

- UBS ETCs are highly transparent, cost-efficient and provide 1:1 participation in performance
- Customers can profit from daily trading liquidity on the stock exchange (SIX Structured Products)
- CMCI Indices are diversified across all liquid maturities, making 'constant maturities' possible
- CMCI indices are based on an intelligent rolling process that reduces the negative roll effects in a contango situation

## Trading and execution

### Trading hours for listed products

09:15 – 17:15 CET: Electronic & Trading Line

17:15 – 19:00 CET: Trading Line

**Trading Line: +41-44-239 22 88\***

### Execution alternatives

- Risk price: UBS provides an uninterrupted service for bid/ask pricing up to a certain volume on the stock exchange. Risk prices for larger volumes are available on request (via trading line)
- Execution on the NAV: Investors can request execution on a closing daily rate basis from USD 1 million (no spread). Orders must be placed promptly

## Principal risks

- The investor must be prepared to undertake an investment that is exposed to the full downward risk of the underlying instrument
- The investment may be exposed to partial or total losses since the investor is tracking the full performance of the underlying instrument
- Every investor bears the general risk of a deterioration in the issuer's financial position. In the event of the issuer becoming insolvent the products constitute the issuer's direct, unhedged and subordinate liabilities

### Trading hours for OTC products

09:15 – 19:00 CET: Trading Line

## Contacting us

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