



# **Breakout session Title**

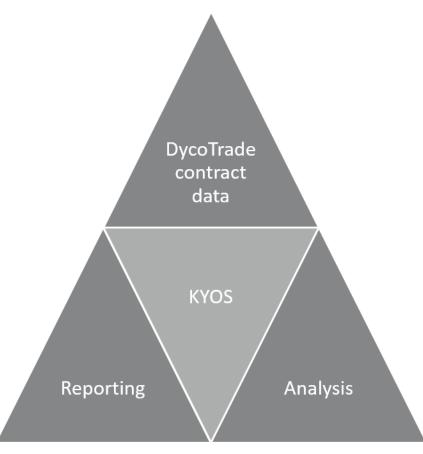
Richard Cornielje KYOS Commodity Risk Solutions

# Adding value to the chain - risk management



Physical flows Financial hedges Price analytics

Cashflow forecasts Insight in risks Hedge reports Performance



CPO/CFO
Head of Trading
Head of Risk
Treasury

Enable you to look forward as ...... hindsight is a wonderfull thing





# Price risks for buyers/sellers translated into "cash"



Price risks can be calculated (estimated)

Certainty is the "big" question

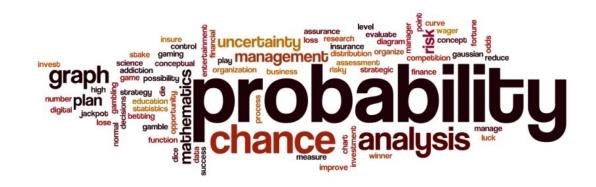


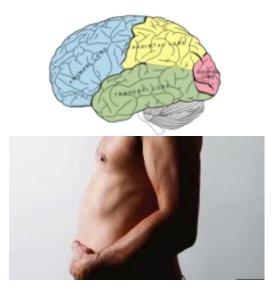




# Struggle between brain, experience and gut feeling







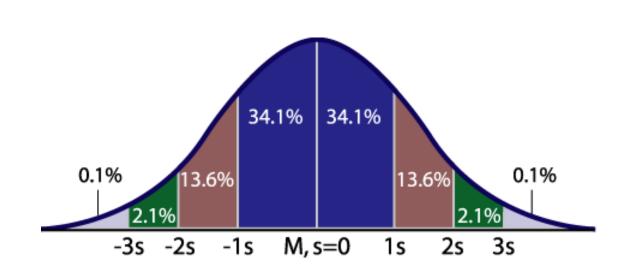




# Experience versus theory....experience with theory











# Timing, volumes, details.....



What-when-how bought/sold

Physical details, like formula's combined with derivatives

"Underlying volume = exposure"

Hedging strategy

Coverage targets





# Estimating potential cashflows



Date	<b>\$</b>	Legal entity	Counterparty	Period	Commodity	B/S \$	Volume 💠	FX ¢	Price type
2023-01-	01	Food producer global	Market	Jan'24 - Dec'24	Whey powder (EEX)	Buy	7,200 MT	EUR	phys   indexed
2023-01-	01	Food producer global	Market	Jan'24 - Dec'24	Butter - EEX	Buy	1,500 MT	EUR	phys   indexed

From straight forward commodities to "products" like:

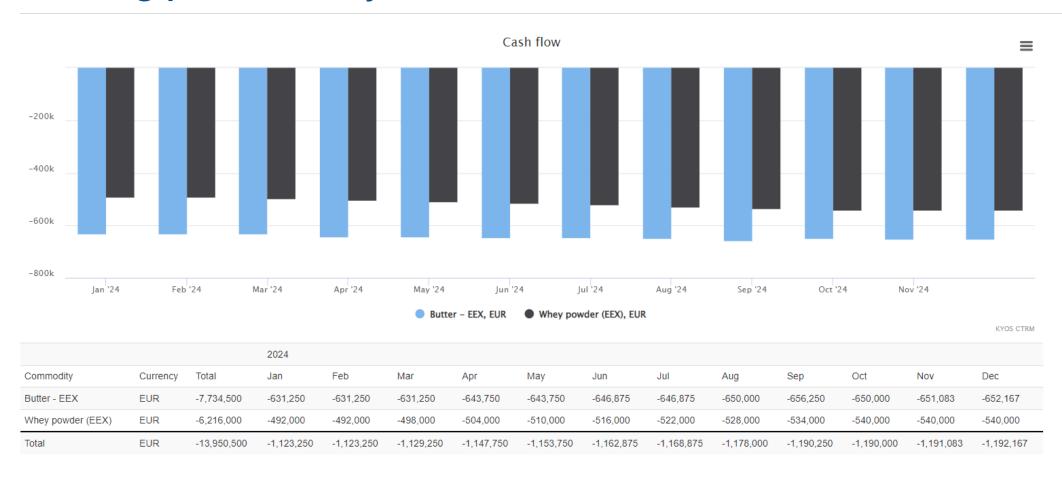
- Beer, bread, chocolate, metal parts.....





# Starting point - todays values







### Calculating volatilities & correlations

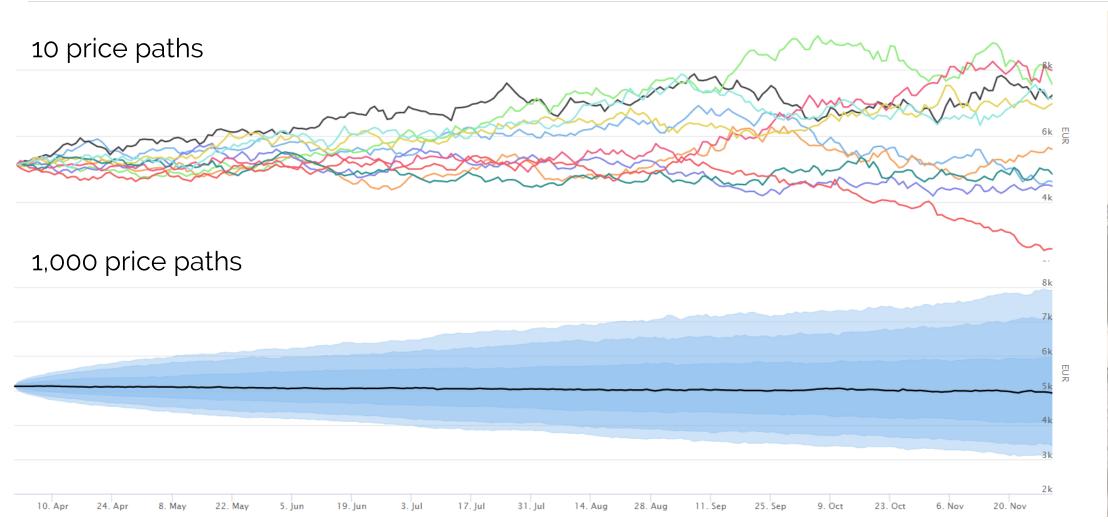






#### Use all information to create Monte Carlo Simulations

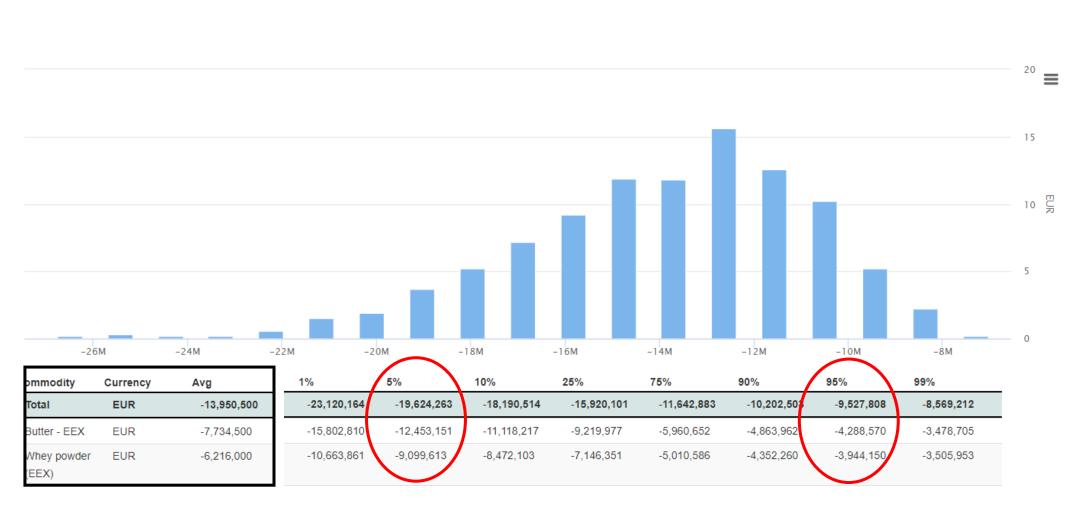






# Long term risk (producers – buyers)

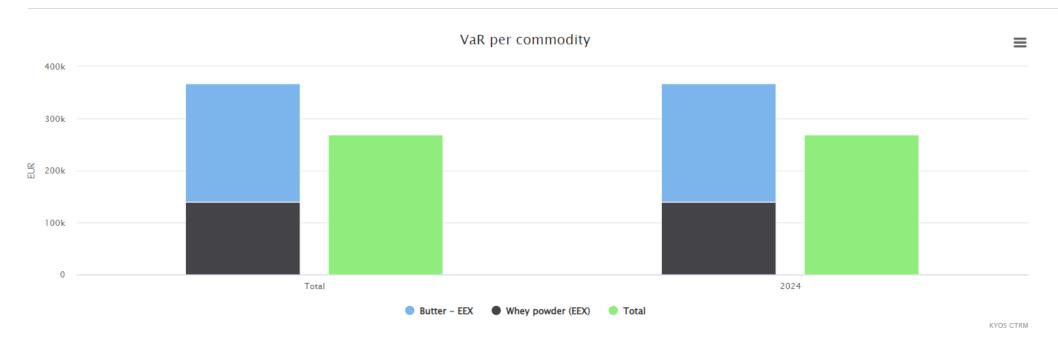






# Short term risks – trading companies – 1 day





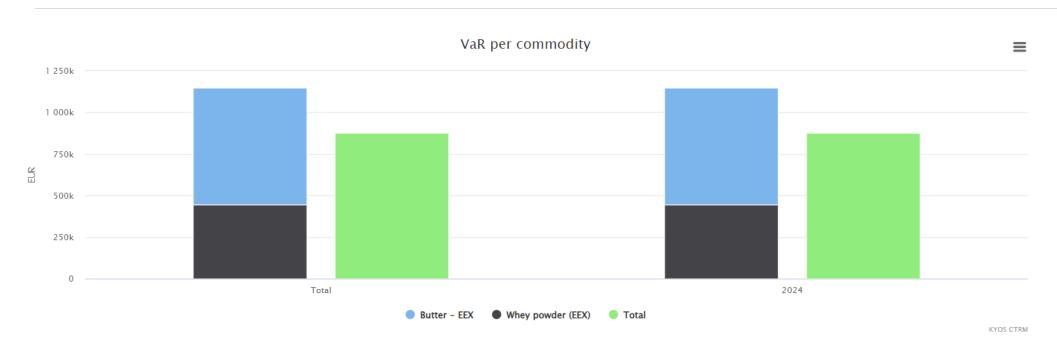
		\	/aR 2023-03-31 (EUR)	VaR 2023-03-24 (EUR)		Ch	Change in VaR (EUR)	
		Total	Jan '24 - Dec '24	Total	Jan '24 - Dec '24	Total	Jan '24 - Dec '24	
VaR total		268,810	268,810	268,560	268,560	250.00	250.00	
VaR per commodity	Butter - EEX	227,570	227,570	225,500	225,500	↑ 2,070	↑ 2,070	
	Whey powder (EEX)	139,610	139,610	139,430	139,430	↑ 180.00	↑ 180.00	





# Short term risks – trading companies – 10 days





		Va	VaR 2023-03-31 (EUR) VaR 2023-03-24 (EUR)		aR 2023-03-24 (EUR)	Change in VaR (EUR)		
		Total	Jan '24 - Dec '24	Total	Jan '24 - Dec '24	Total	Jan '24 - Dec '24	
VaR total		877,420	877,420	898,160	898,160	-20,740	-20,740	
VaR per commodity	Butter - EEX	704,330 704,330 69		697,540	697,540	↑ 6,790	↑ 6,790	
	Whey powder (EEX)	445,480	445,480	460,170	460,170	↓ -14,690	↓ -14,690	



# Estimating potential cashflows



Date	Legal entity	Counterparty	Period	Commodity +	B/S 🌣	Volume	ф <b>FX</b> ∈	Price type
2020-12-16	Beverage Producer	Retailer company	Jan'24 - Dec'24	Beer	Sell	-8,760,000 Hectoliter (hl)	EUR	phys   indexed







### Brewery 2024



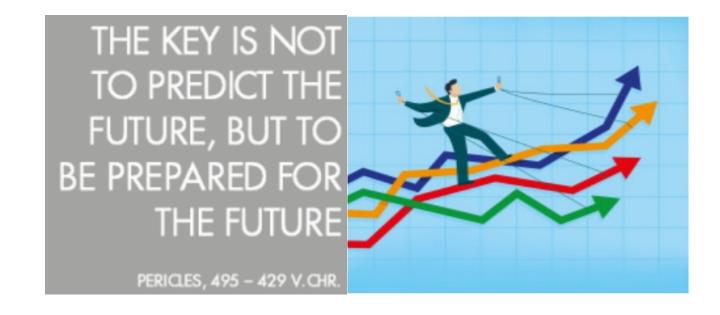






### Let's talk and get you in control, where possible....







#### More information



We look forward to supporting you with the right tools and advice!



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# **DYCOTRADE**

2023 CUSTOMER EVENT



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