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25



Euroopa Maaelu Arengu
Põllumajandusfond:
Euroopa investeeringud
maapirkondadesse

Gira

Global economic environment and trends

By
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Milk Forum, 12th of April, 2023

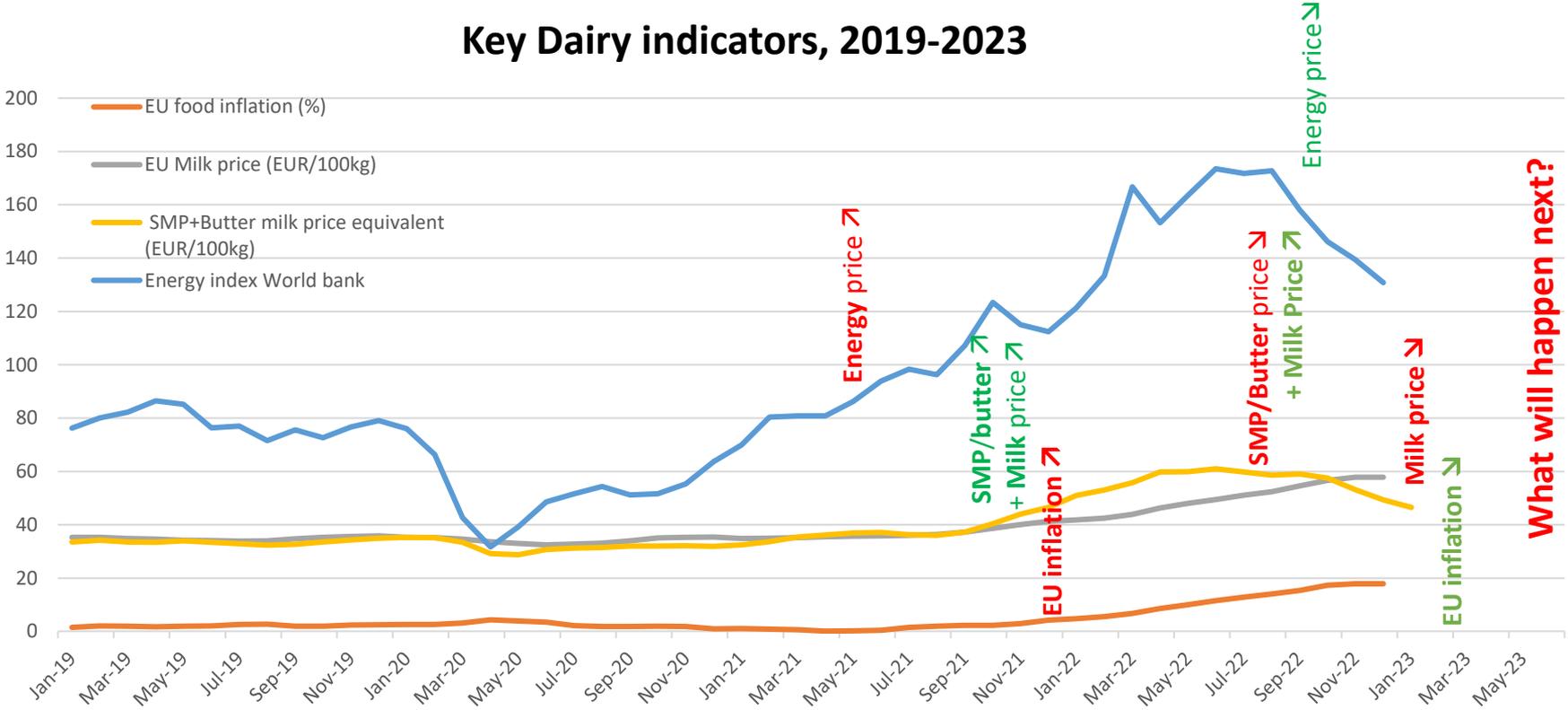
Timing is everything

A timeline of unseen events... all happening in the last 18 months

Strong fluctuation of dairy & energy prices which requires new adaptation



Key Dairy indicators, 2019-2023



What will happen next?

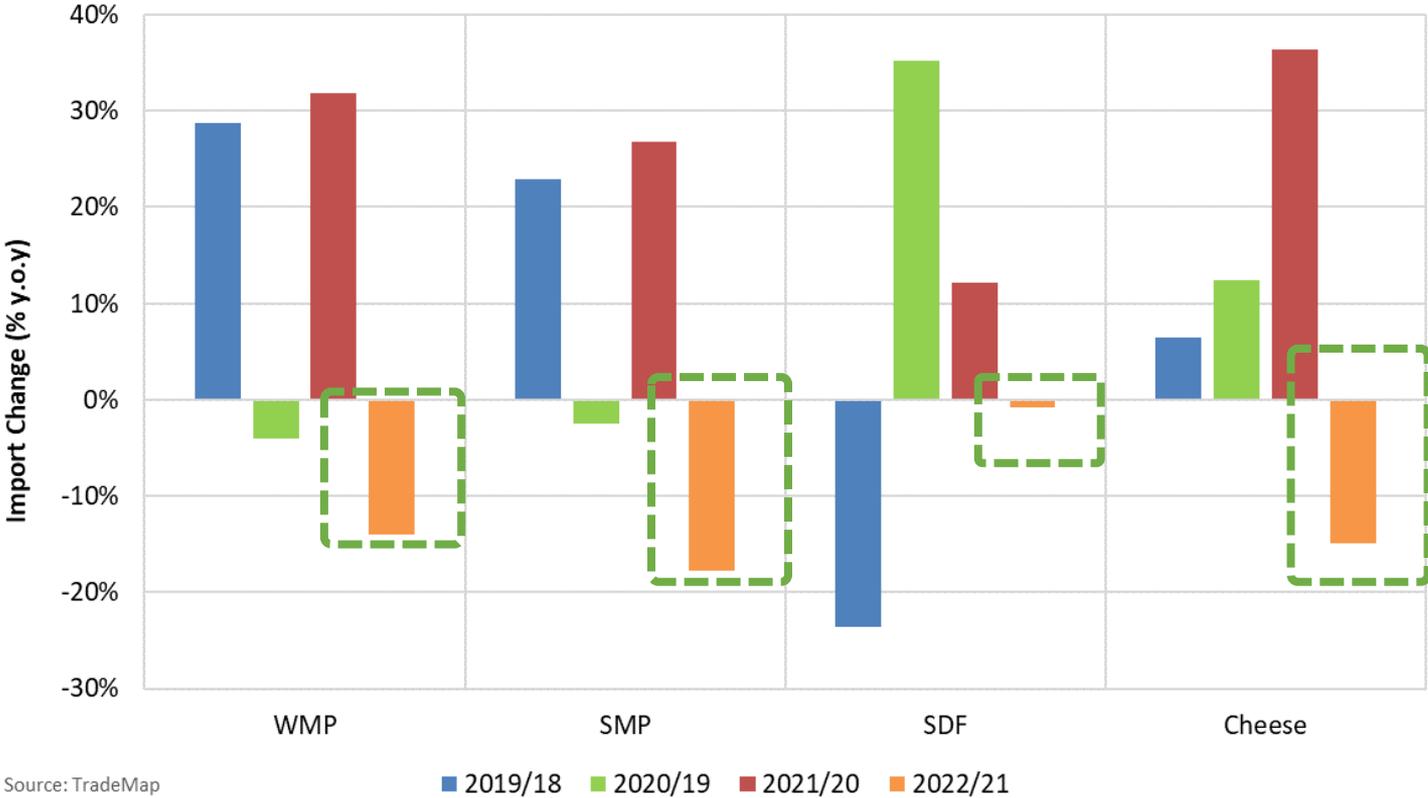
Source: Gira compilation, Jan 2023.

And at the same time, China was quiet

What would have been prices otherwise?



Chinese WMP, SMP, Cheese & SDF Import Change, 2018-2022

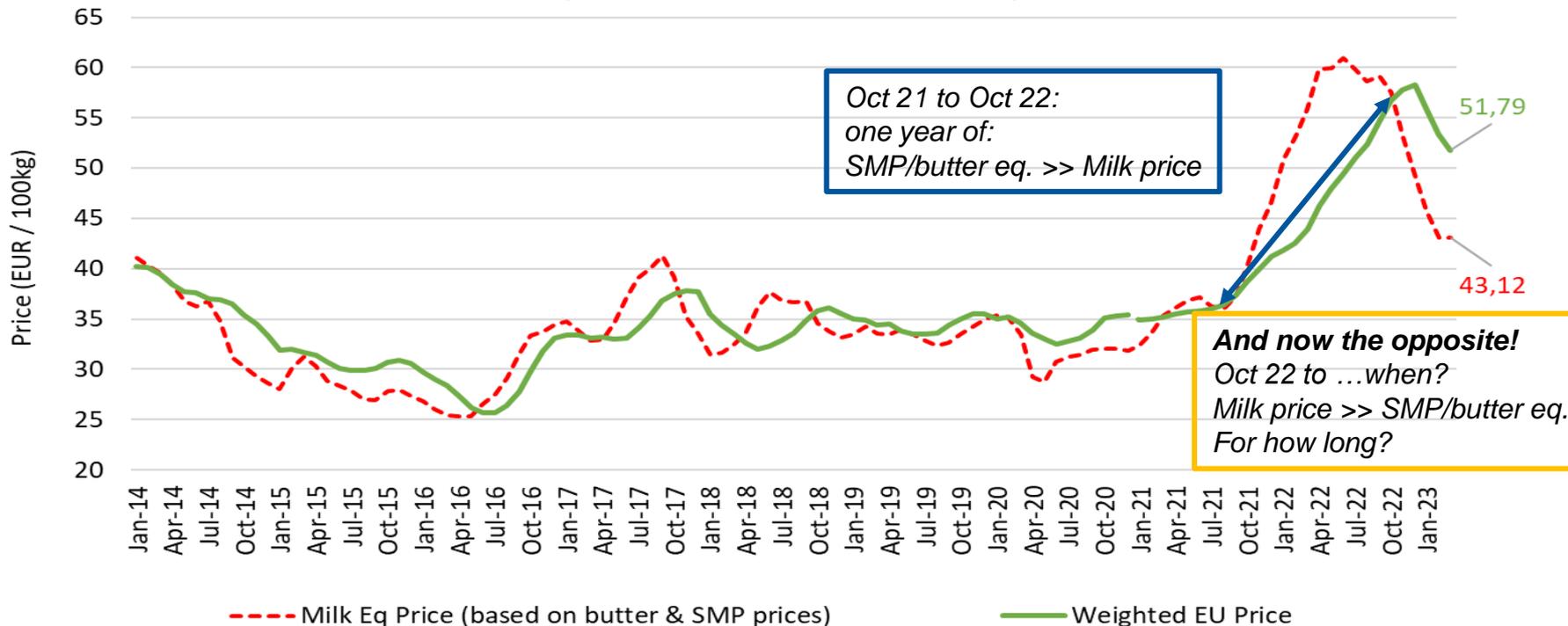


Source: TradeMap

SMP/Butter prices vs. Milk price

And milk price is decreasing fast! To which level?

Raw milk price based on SMP and butter price



Oct 21 to Oct 22:
one year of:
SMP/butter eq. >> Milk price

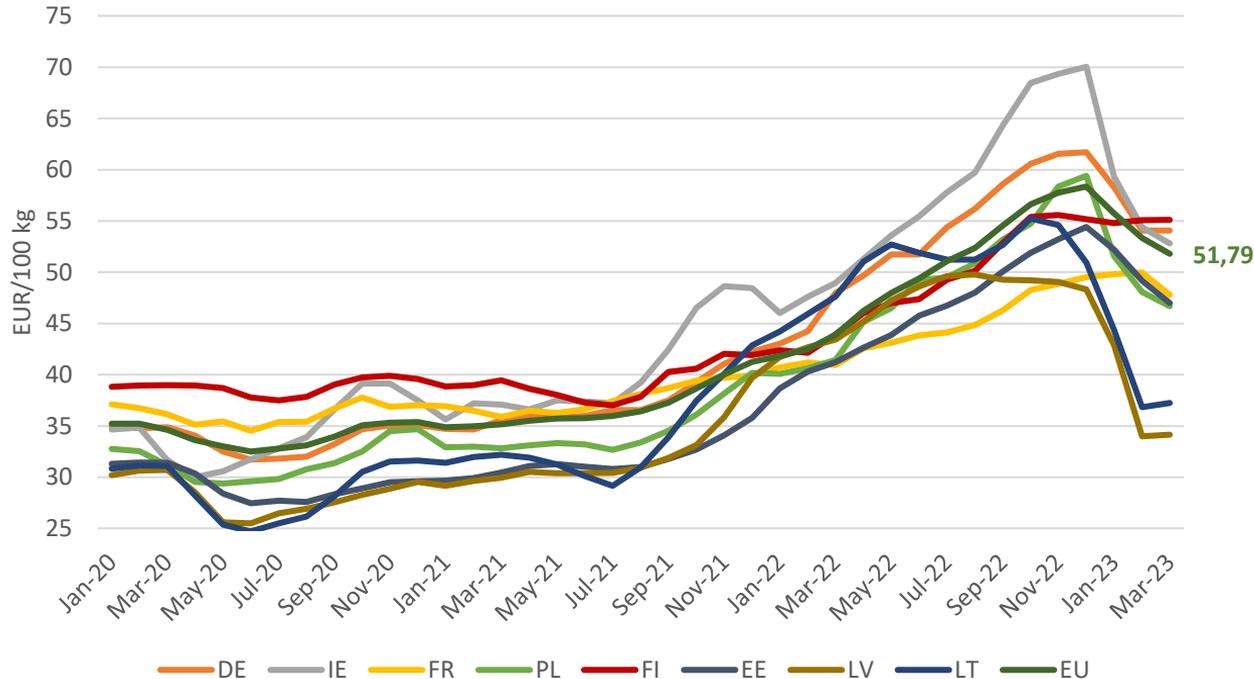
And now the opposite!
Oct 22 to ...when?
Milk price >> SMP/butter eq.
For how long?

EU milk price: heading to 40€/100Kg in average in May?

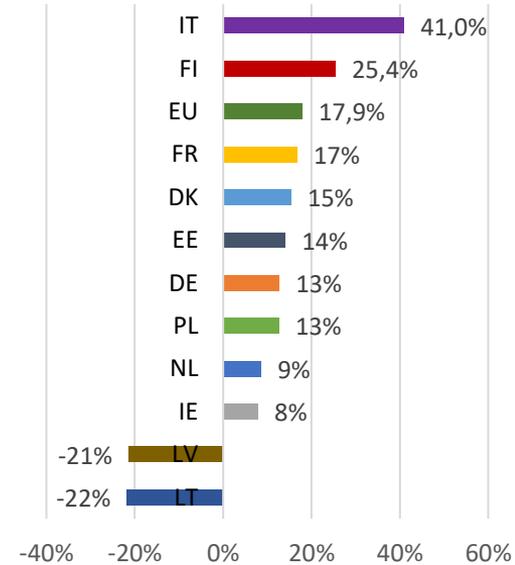
Impact on milk collection by Q3/Q4



Raw milk price in EU countries



Milk price increase Mar. 23/Mar. 22



Gas price: back to sept 2021 situation

Price could potentially continue to go down during H1



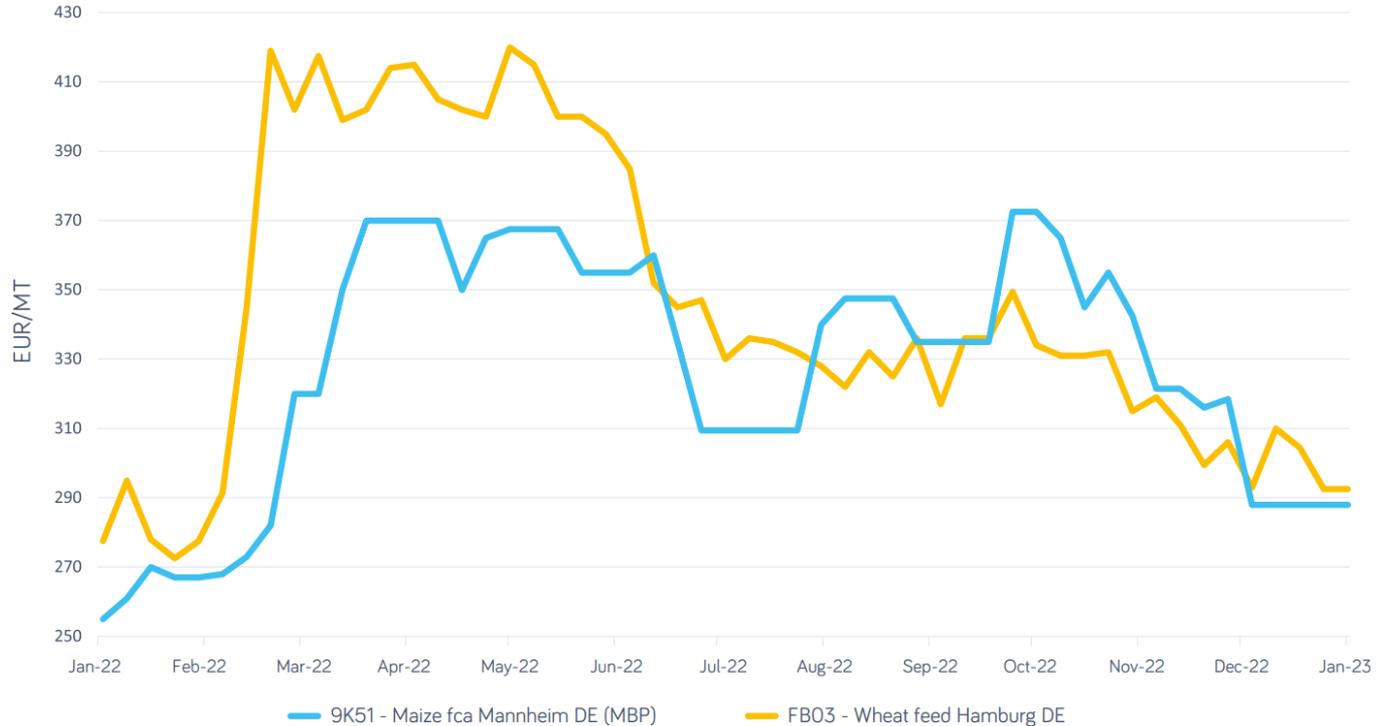
Natural Gas PEG Nord EEX FR (nearby contract)



EU Feed prices: lower than 22 average but still high

Watch impact potential of Ukraine

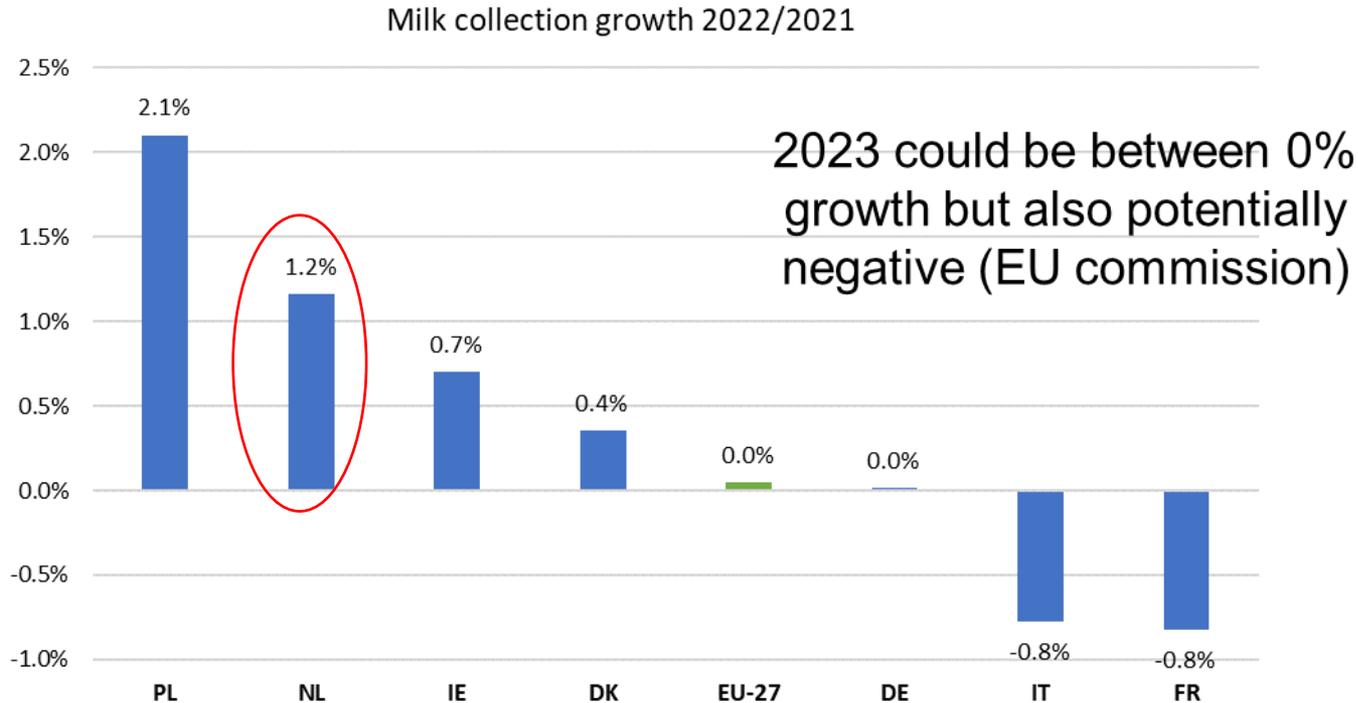
Feed Ingredient Prices EU



What about milk collection?

Milk collection growth in the EU could be close to 0% in 2023

Less milk will be produced in the second half of 23



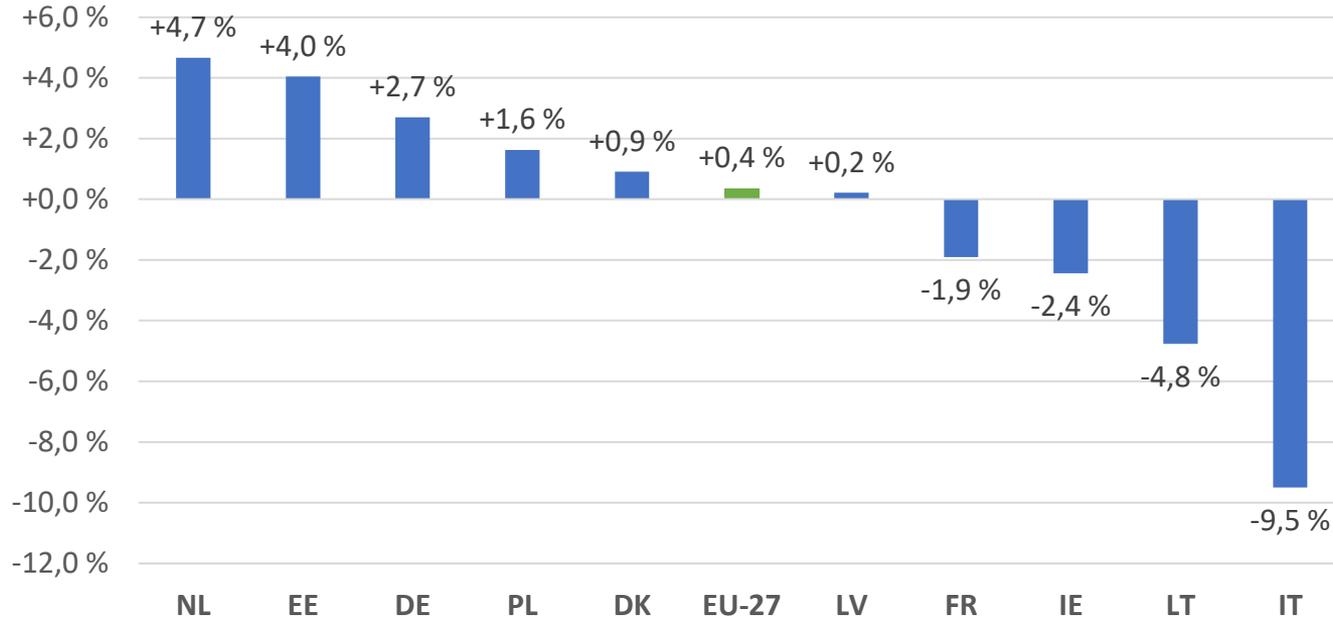
Source: Eurostat, FranceAgrimer and Milchland Niedersachsen

EU milk production January 2023: +0.4%

When prices goes down, volumes are up



Milk collection growth 2023/2022*

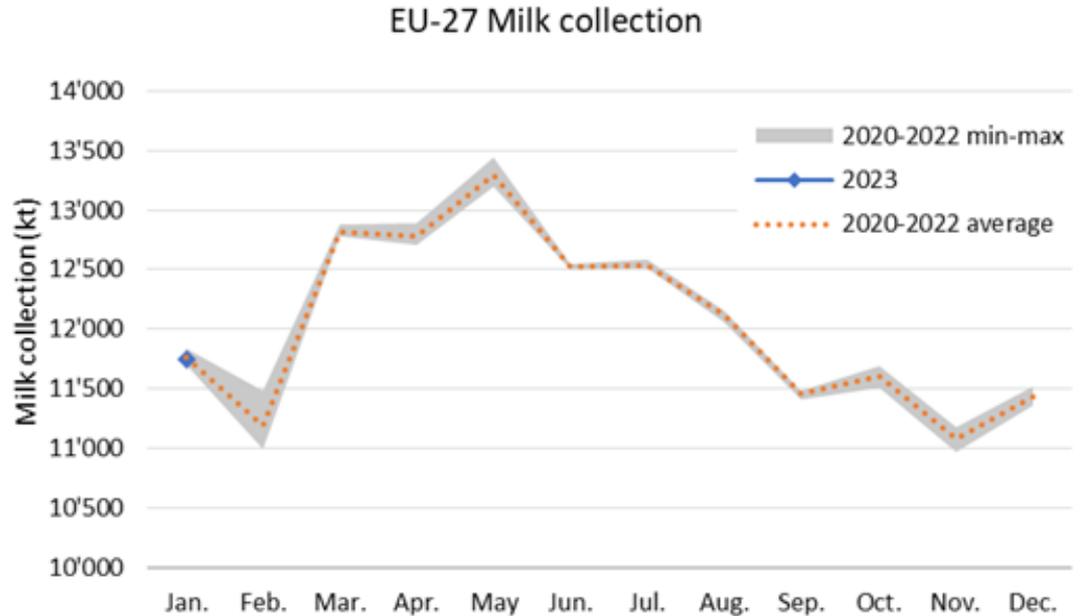


* end of January for NL, PL, NL, IE, IT and EU-27, end of February for DE, FR, EE, LV and LT

Source: Eurostat, FranceAgrimer and Milchland Niedersachsen

Milk collection in Jan 2023 is only up by 0.4% compared to Jan 22

This level is relatively low as it is -0.1% compared to 2020-2022 average

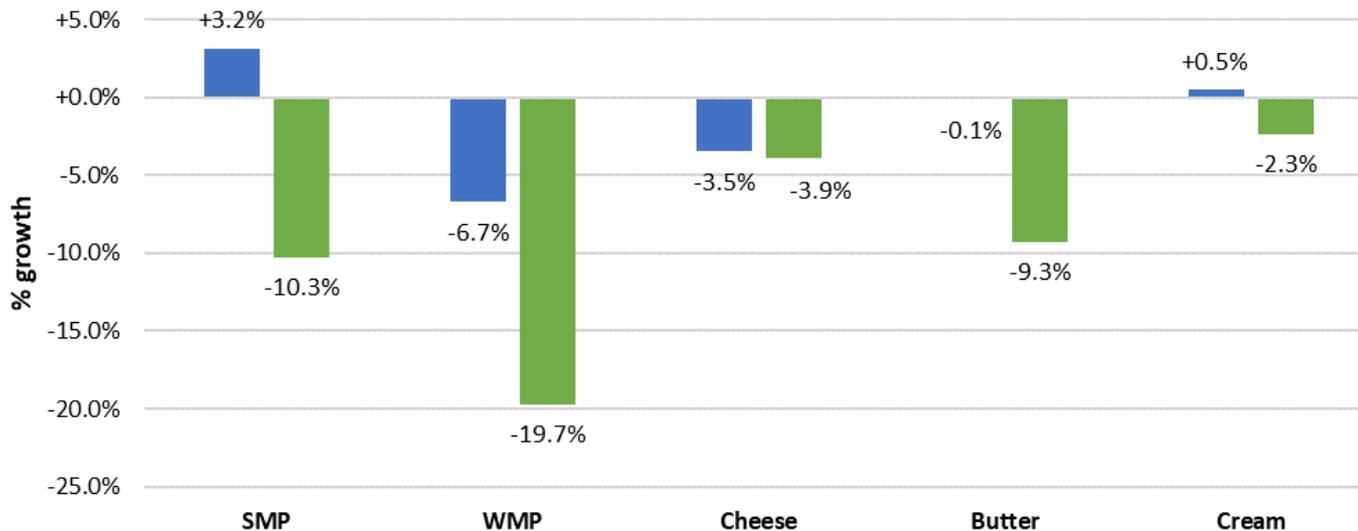


Source: Eurostat

What have we done with that milk?

SMP production has been favoured last year compare to 2021

Variation of production and export* volumes (2022/2021)



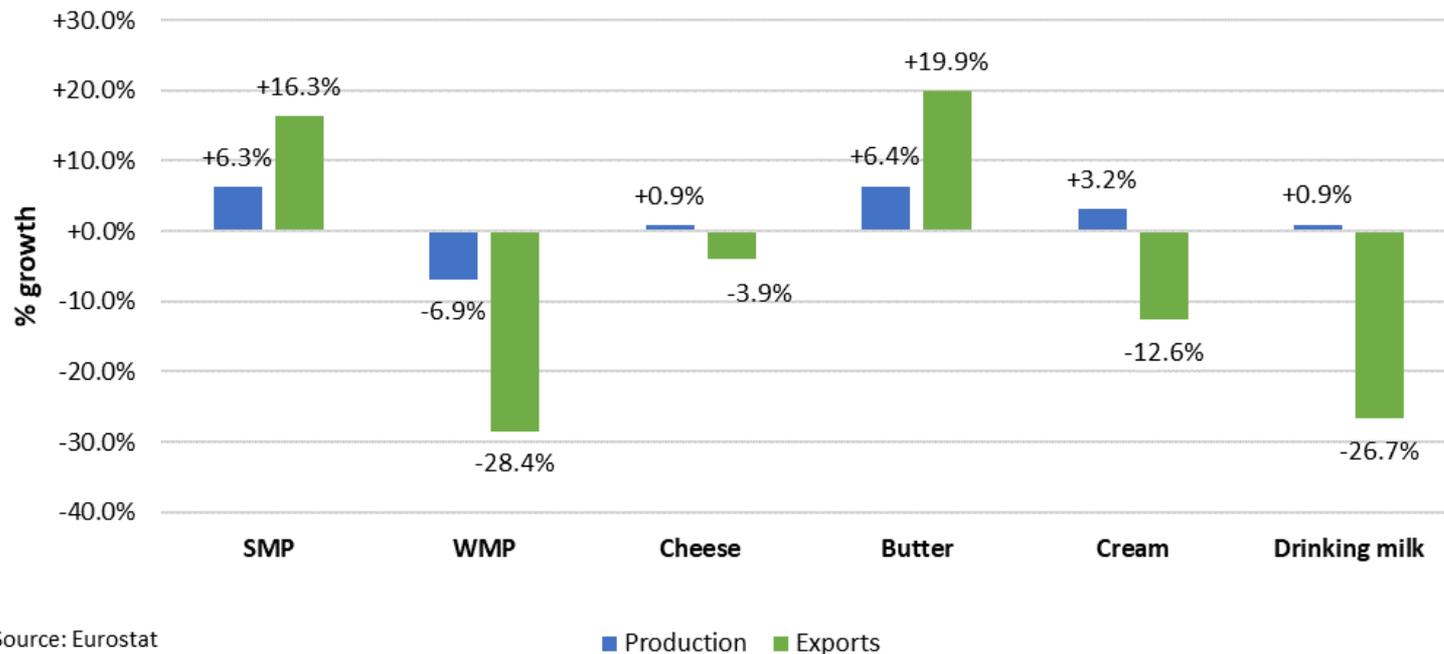
Source: Eurostat
* UK excluded

■ Production ■ Exports

The EU situation

SMP production has been favoured but cheese is now up.

Variation of production and export* volumes (Jan. 23/Jan. 22)



Source: Eurostat

■ Production ■ Exports

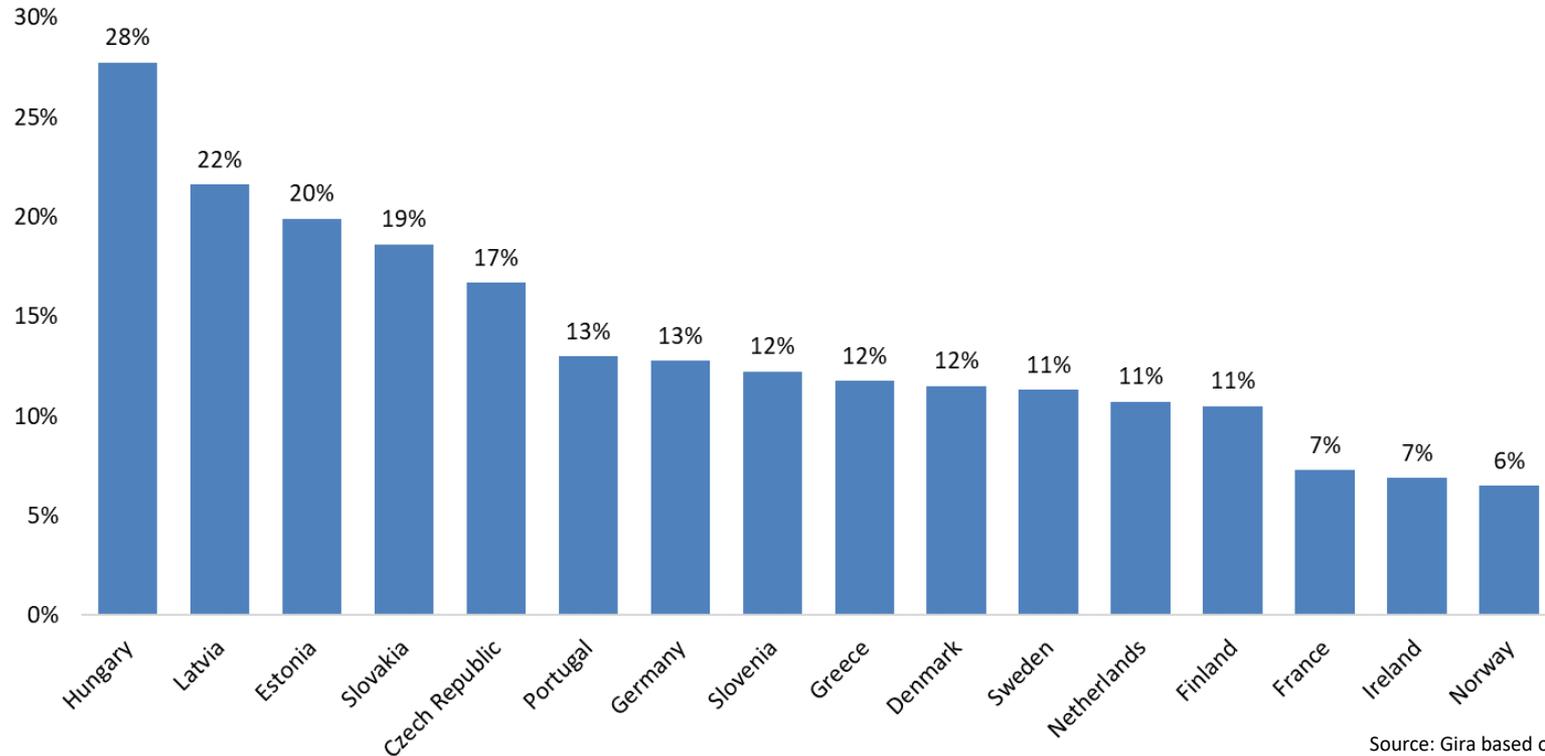
The EU market

Impact of inflation

EU inflation by country: what are we talking about?

3 clusters of countries...

Food inflation rate in 2022



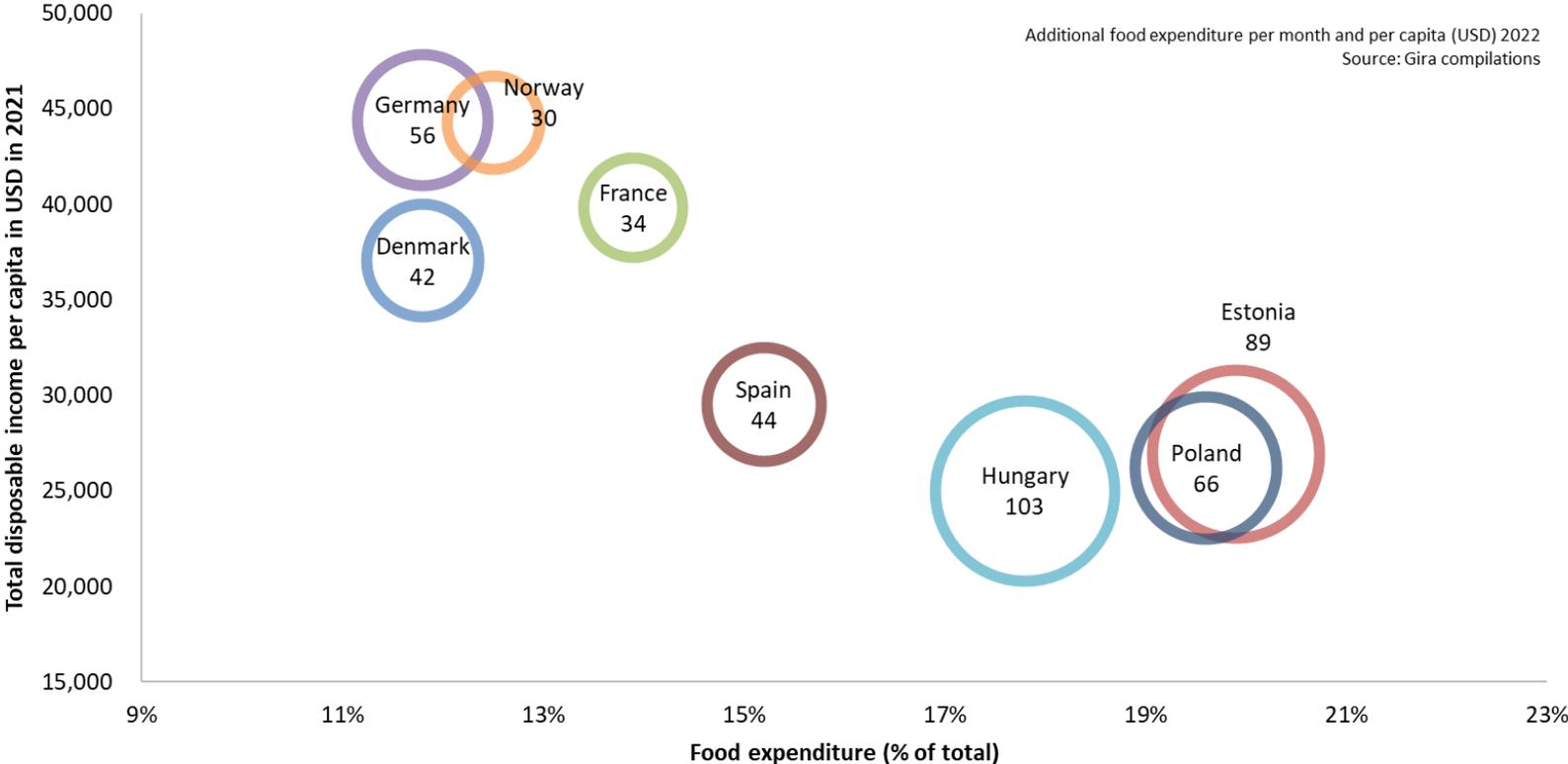
Source: Gira based on Eurostat

How Hard the Inflation could Hurt the Food Basket?

EU estimated inflation impact: around +47 EUR/month/person



Estimated per capita impact of food inflation for 2022

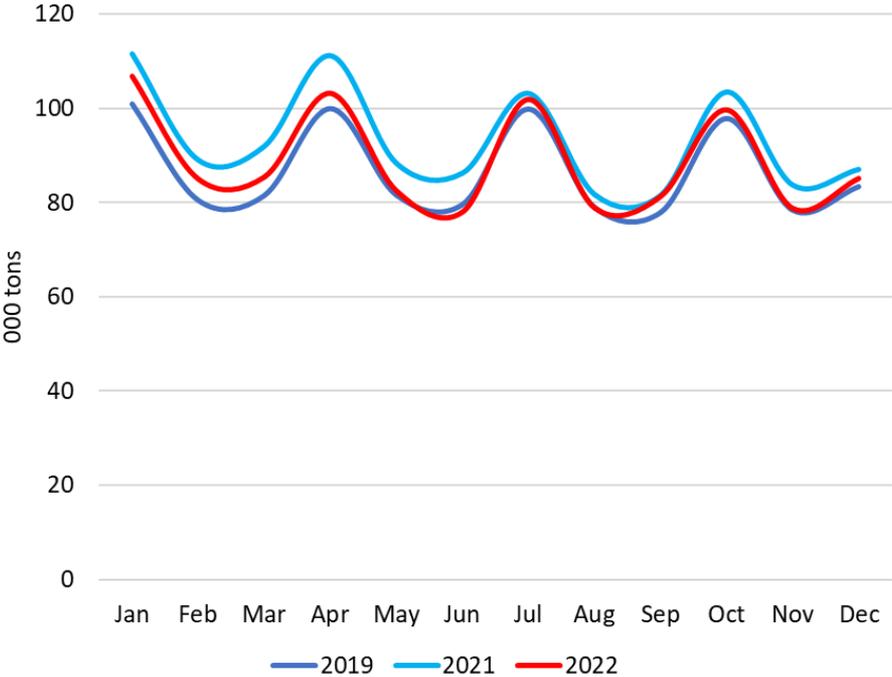


Current Economic Situation Impact on Dairy Demand

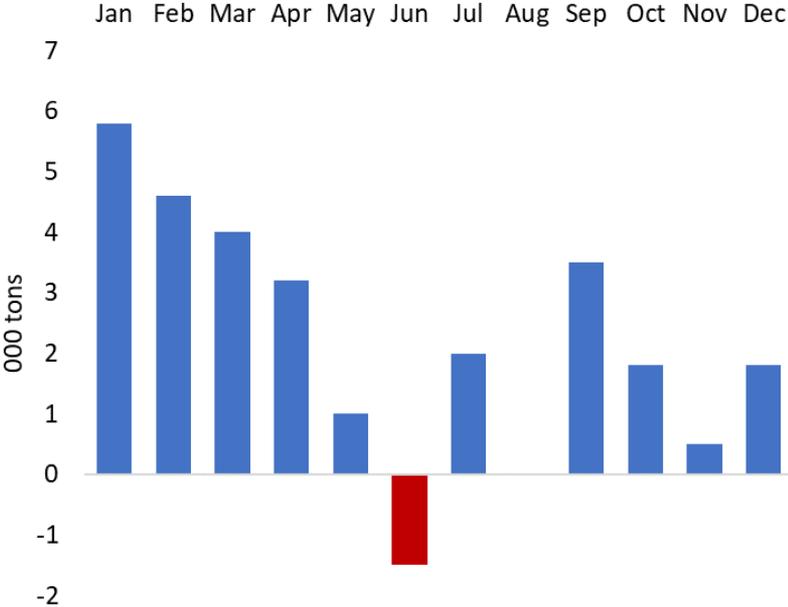
Cheese: volumes remain unimpacted



DE: Emmental retail volumes sales



Volumes changes 2022/19



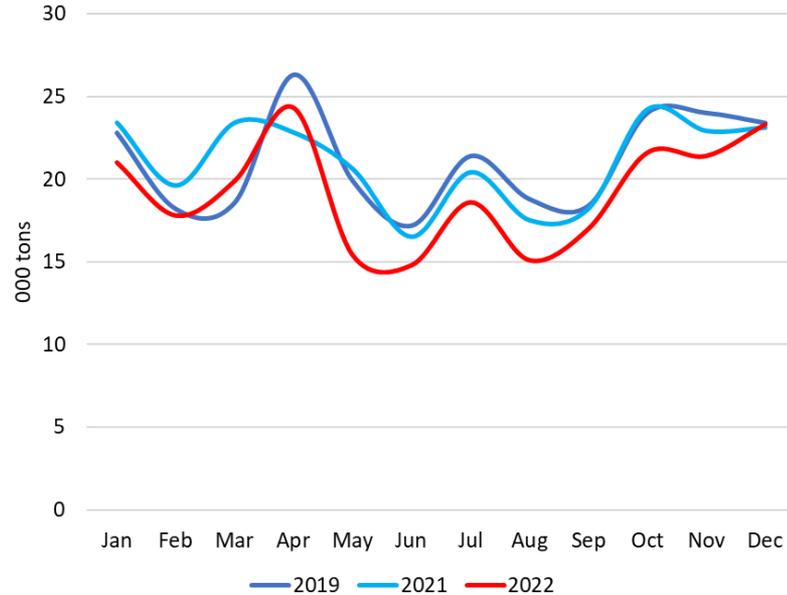
Source: Gira compilation

Current Economic Situation Impact on Dairy Demand

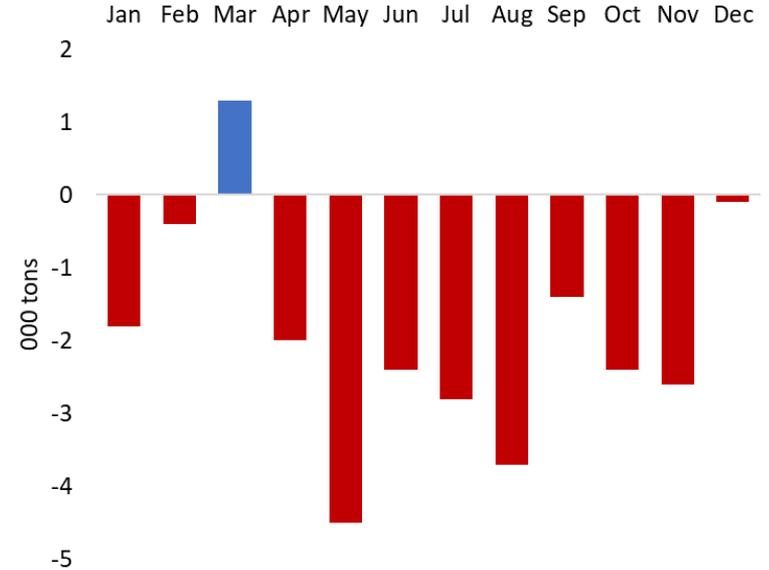
Butter: Important decrease; better in December due to decrease price



DE: Butter retail volumes sales



Volumes changes 2022/19



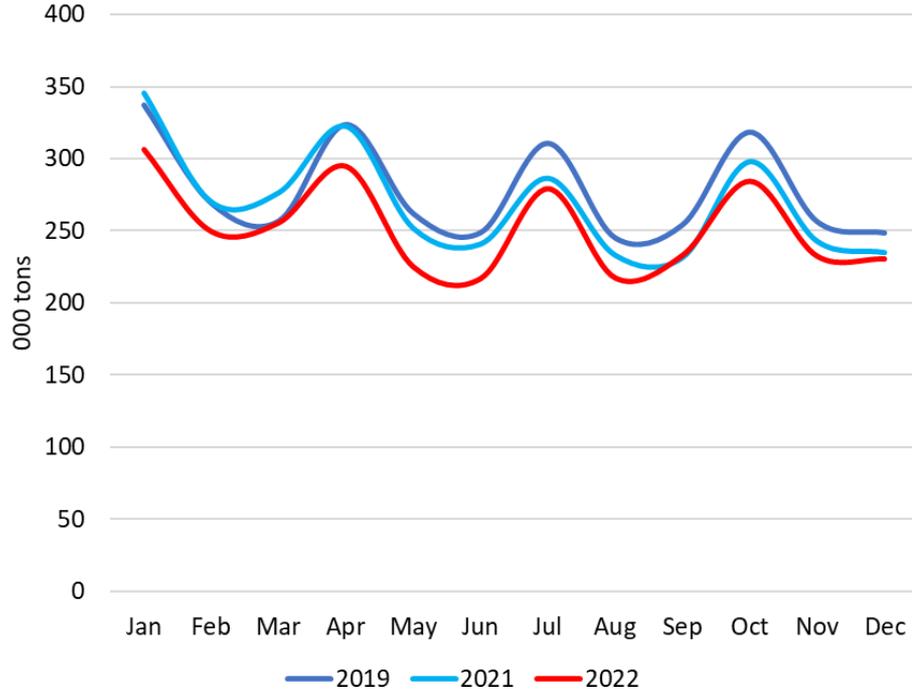
Source: Gira compilation

Current Economic Situation Impact on Dairy Demand

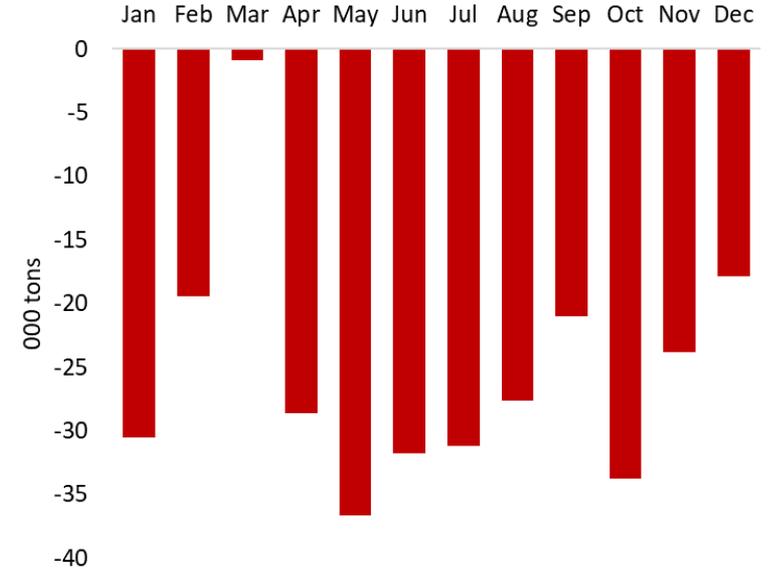
Drinking milk: going heavily down. Will it be a problem?



DE: Drinking milk retail volumes sales



Volumes changes 2022/19



Source: Gira compilation

Chinese situation

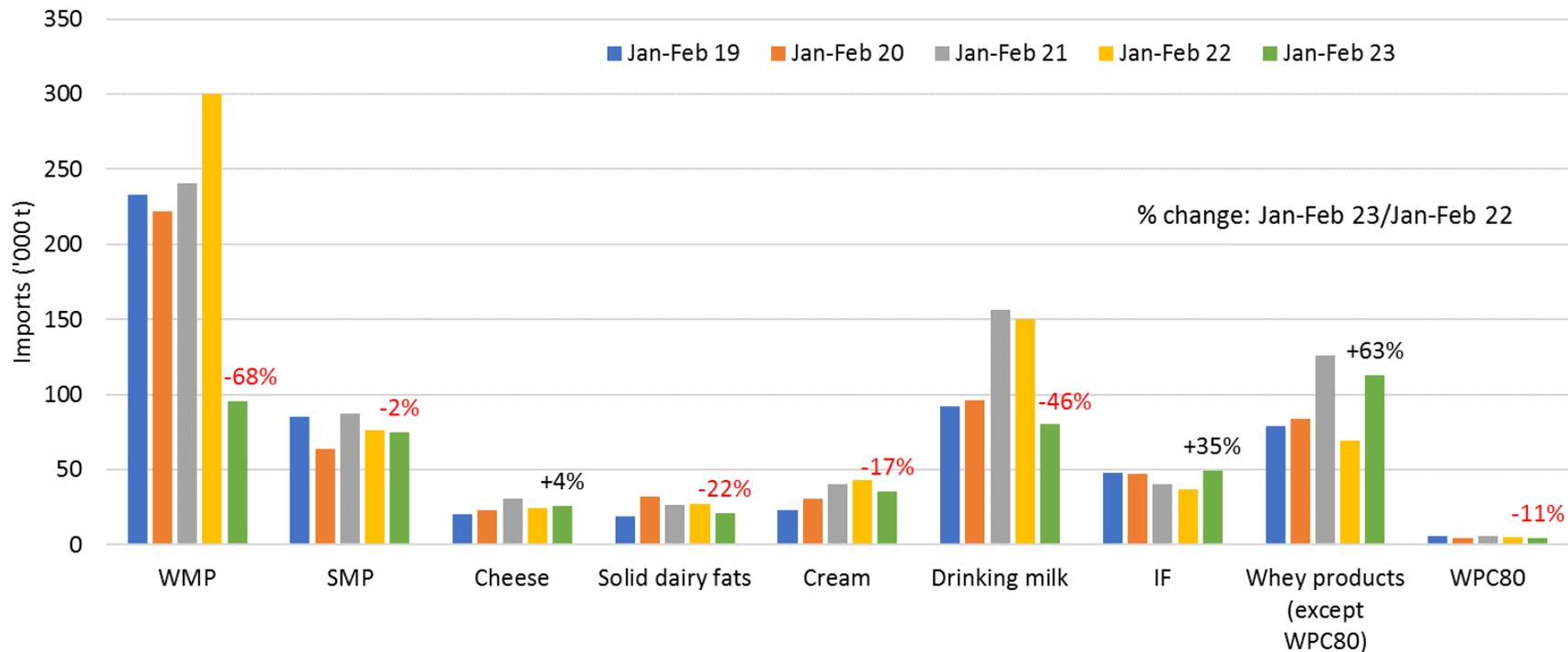
Are they back? What about the future?

Jan.-Feb. 2023 China Dairy Imports

Back on track for SMP and for cheese, not for WMP at all



Jan.-Feb. 2023 China Dairy Imports (compared to previous years)



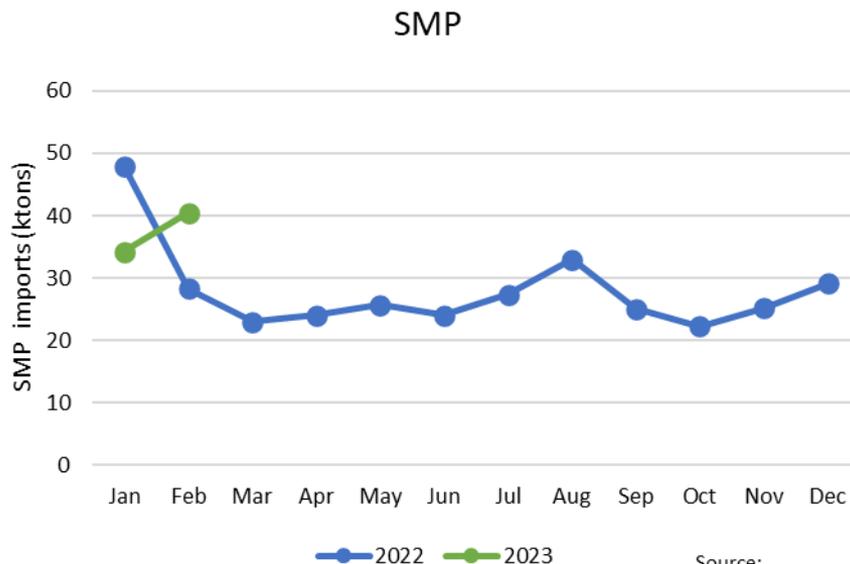
Source: Chinese Customs

SMP imports

Supported by low stock and the quasi absence of domestic production



Monthly SMP imports, Jan.-Feb. 2022/2023



Jan.-Feb.
23/22
-2% YoY

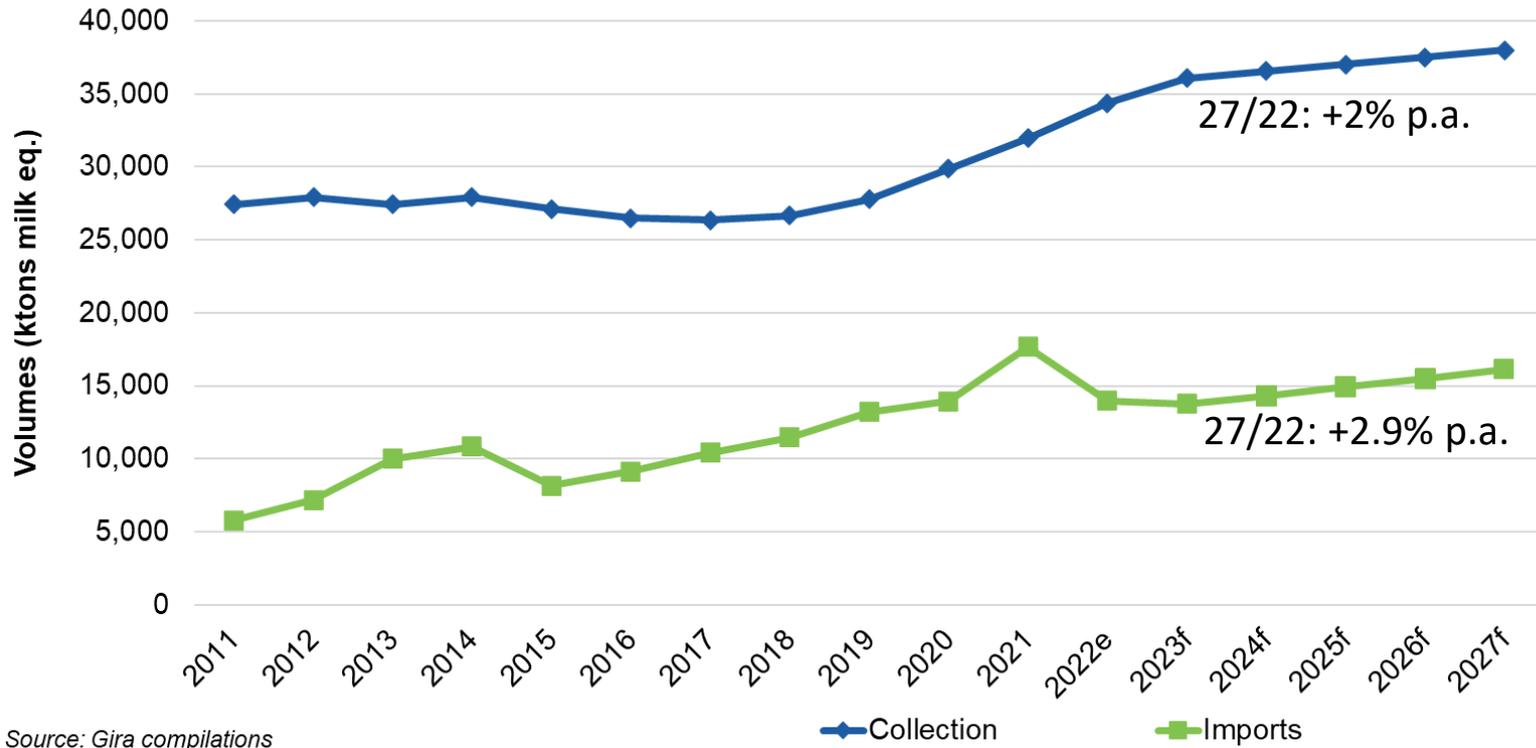
Source:
Highground

Dairy Self-sufficiency Rate

Scenario 1: Staying at about 70% for 2027



Milk collection and dairy imports (LME), 2011-2027f, base case scenario

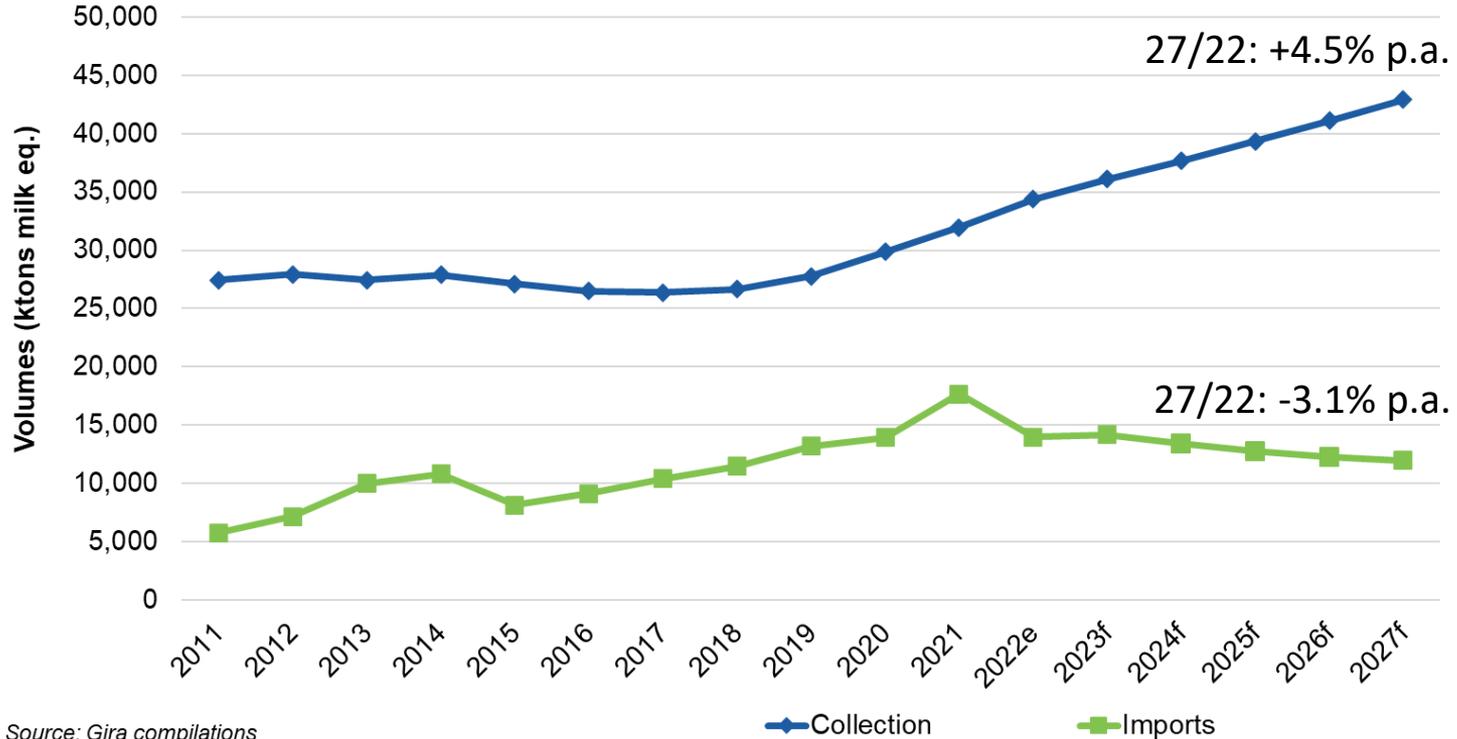


Source: Gira compilations

Second potential scenario

Increases to 78% in 2027

Milk collection and dairy imports (LME), 2011-2027f, alternative case scenario



Source: Gira compilations

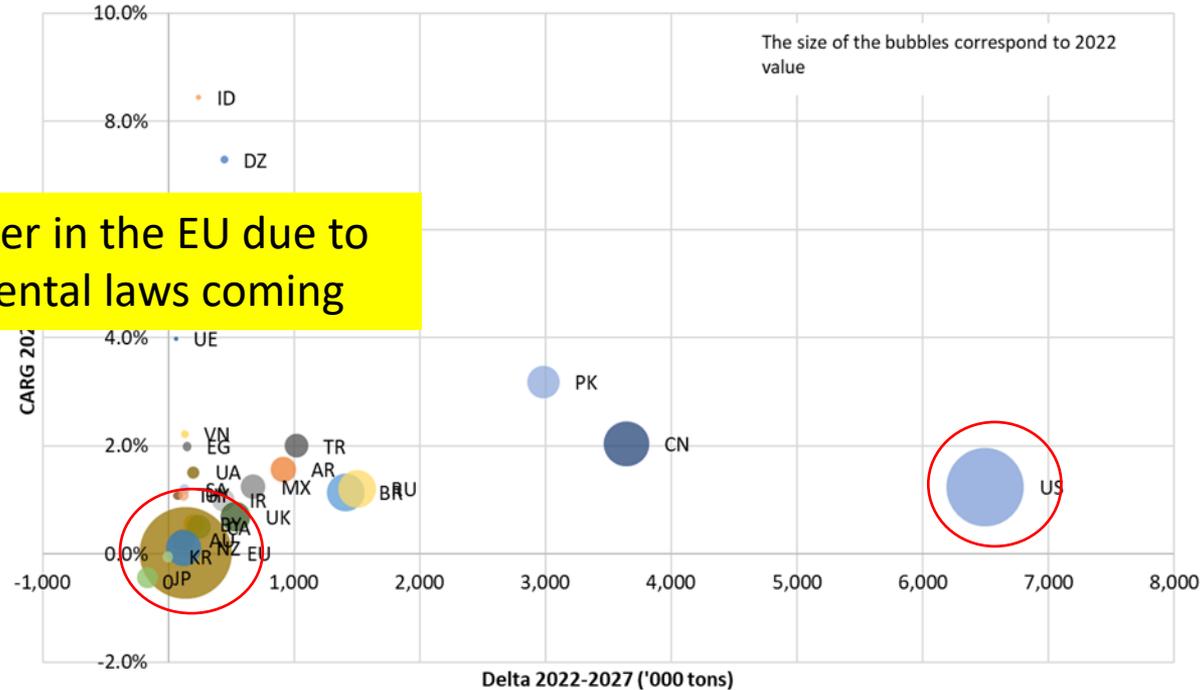
What about the future: there will be less milk available

2021 and 2022 are good proxies to understand the future

World milk collection 2022 – 2027f (excluding India)

US and China will lead the growth in volume. Not anymore the EU and NZ

Milk Collection Volume (mio tons) by Country, 2022 – 2027f



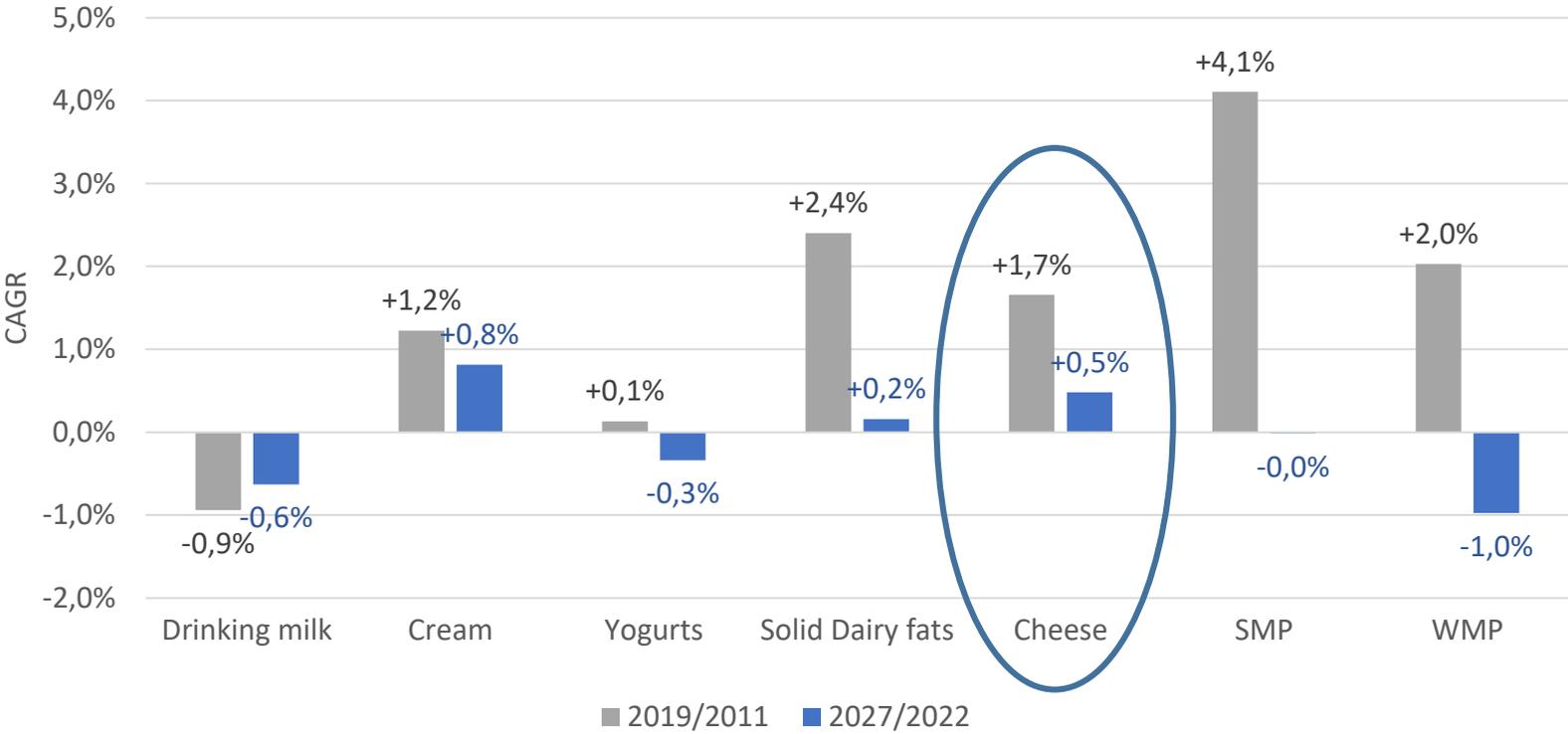
But will be lower in the EU due to new environmental laws coming

2027: Slowdown of Dairy Production in the EU

More cheese, more fats and less powders



Production growth of dairy products

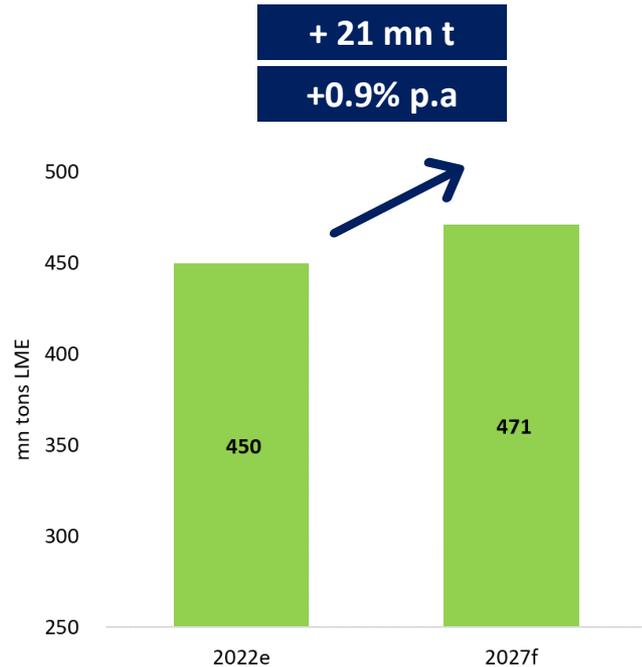


Source: Gira

Dairy Consumption by Region will continue to grow

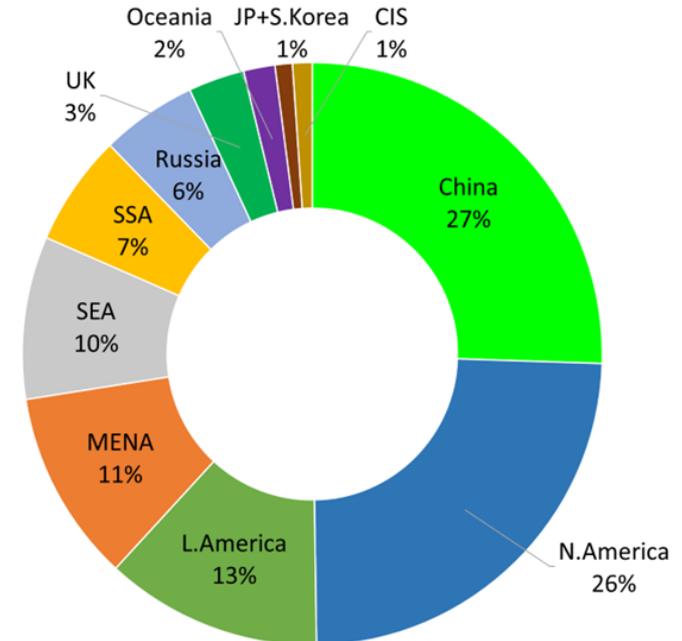
Milk deficit should continue to grow

Dairy consumption 2022-27f, excl. IN & PK



Source: Gira

Region contribution to the midterm growth (2022-27f)



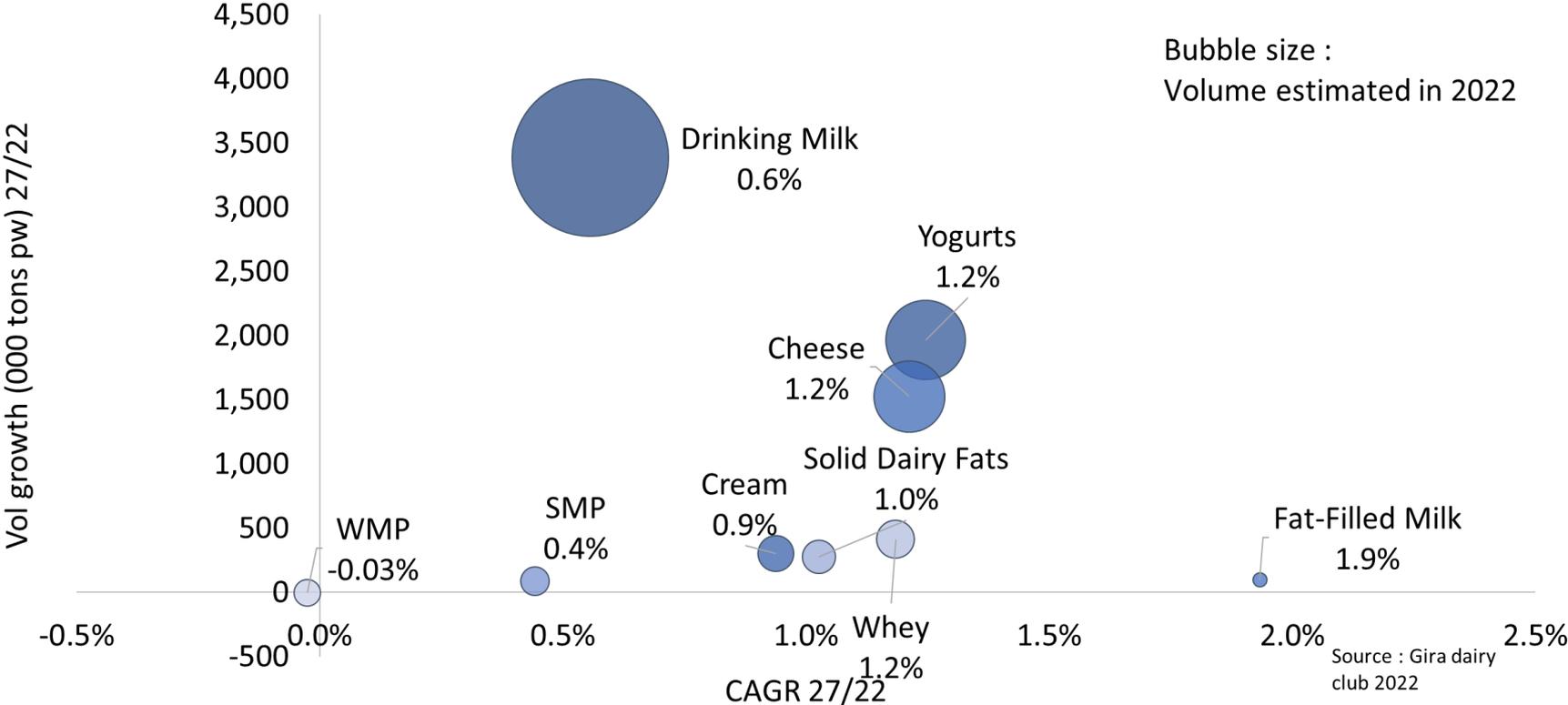
Source: Gira

Overview of consumption growth by product

For most dairy products: between 0% and +1.5% p.a



Global Consumption growth, excl. IN & PK 2022e-2027f

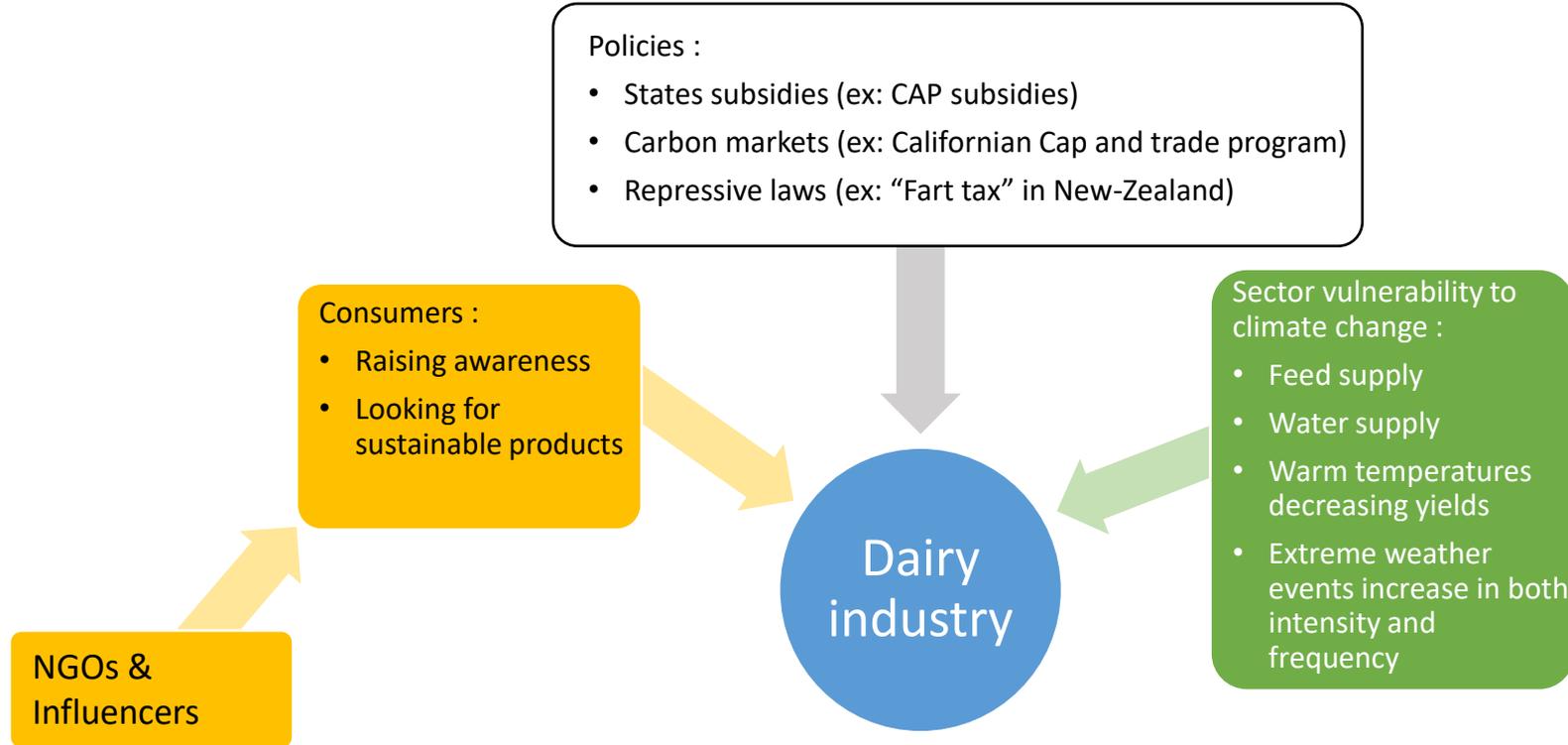


There will be less milk and it'll be more expensive

And we are going to add a new layer of complexity at least in the
EU

Key factors driving the sustainability in dairy industry

3 key factors drive the dairy industry to become sustainable



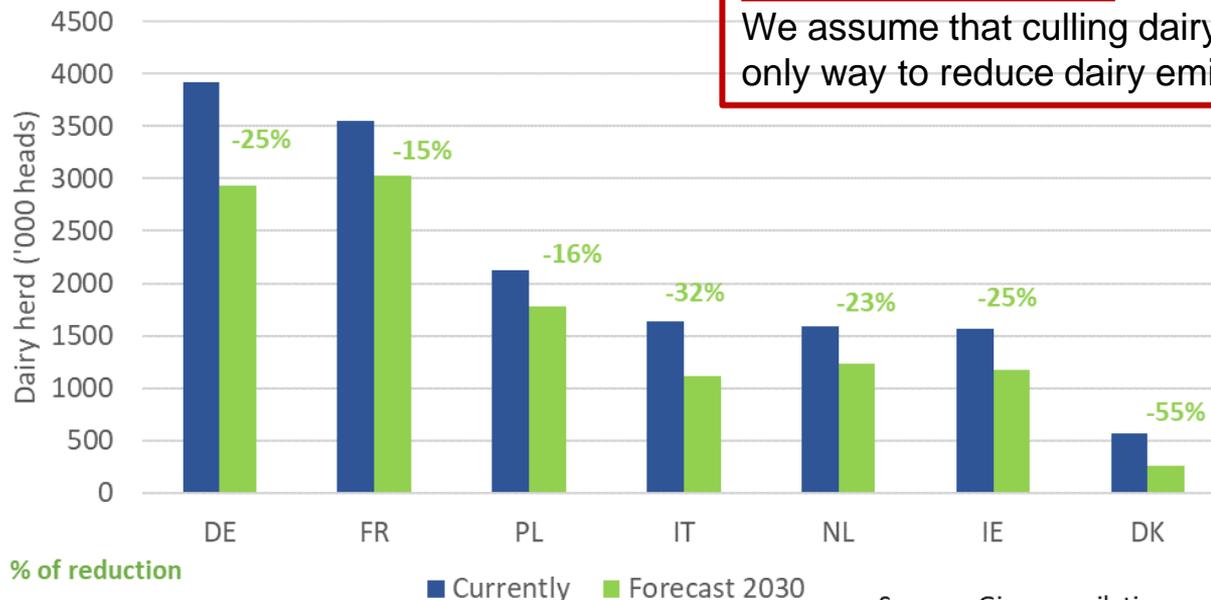
Worst Case Scenario for Europe

Sharp reduction of the Top 7 EU dairy herd: -23% !

Reduction of the dairy herd by 2030 as the methane emissions target are reached

Worst case scenario :

We assume that culling dairy cows is the only way to reduce dairy emissions



Source : Gira compilations

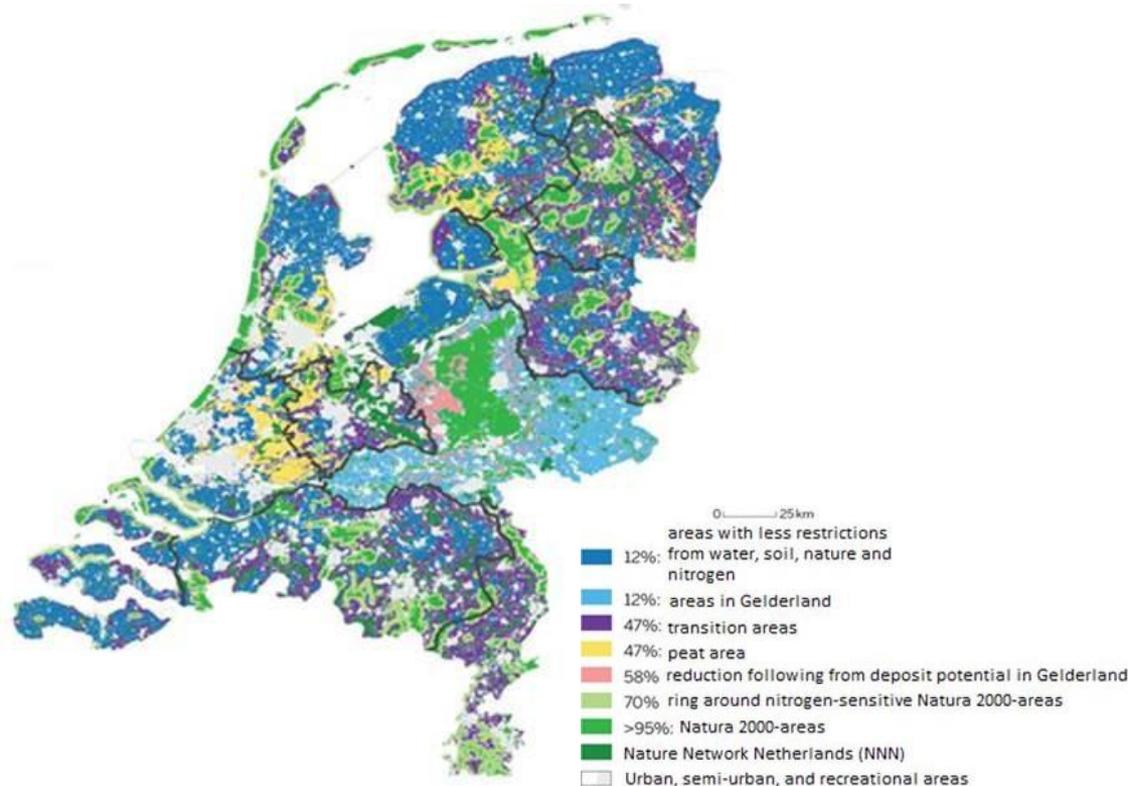
	NL	FR	DK	DE	PL	IT	IE	Total
Dairy herd cut in '000 head	-359	-528	-312	-983	-343	-531	-392	-3,448

Milk collection loss = 26.3 mio tons

Regulation: the Urgency of Reducing Nitrogen Emissions

The Netherlands Case

Nitrogen Reduction Map of the Netherlands



- Objective: -30% of nitrogen emissions by 2030
- Potential consequences as announced by NL government:
 - 5000 farms
 - 33% of the herd size
 - To maintain 2022 milk production:
 - Yield needs to increase to reach 13,123kg/cow/year (+5.2% p.a.)

Aug. 22: *“Rabobank has said it is no longer putting money into farms which are close to protected Natura 2000 environments”*

Conclusions

Food for thought for 1H 2023

Expect further bumps as prices & costs are far from being stabilised



	1H 2023 in the EU
Energy (oil/electricity/gas)	Now back to two years ago situation. Stabilisation or slight decreasing again (Chinese impact?)
Milk Price (farmers)	Have decreased a lot . Will continue to go down (April, May?) We are going to harm milk production (will be the case in H2)
Milk production	Increase milk production in Q2 but slowing down and decrease in Q3/Q4
Production cost (processors)	Stable/down in theory for energy, down for milk (but electricity/gas contracts may need to be renegotiated)
SMP/Butter Prices	Potential further decrease for SMP (April/May?) For Butter, what about baker's situation ?
Cheese prices	Production will continue to goes up. Demand is weak Prices will continue to be under threat? For how long?
Inflation (at consumer level)	Stable/slight decrease (but will remains at a high level) <u>Threat of further demand destruction!</u>

The new rules of the game for the future

Adapting the strategy to the new «stagnant/decreasing» milk volume



✔ A lot of uncertainty for the future

✔ EU: Lower milk collection → Higher competition for milk → Higher milk prices

- Which could also help to grow again milk collection in the future....
- Greater power to farmers will **force processors to react to avoid squeezing of margin or loss of raw materials**

✔ 4 key strategic moves for dairies:

- **Secure dairy supply to secure sales**
- **Reposition to better valorise dairy products but also to reduce costs**
- **The company landscape will evolve leading to greater concentration and/or industry cooperation**
- **And in any case, continue to implement measures/actions to increase the sustainability level of your company**
 - Carbon neutral by 2030?

***Securing milk/dairy supply**
will be paramount!*

*High **milk valorisation** &
reduce cost & sticking with
consumer demand will
be crucial!*



Should you require more information, please contact:

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