

First things first

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How we identified the affected
processes in LCAfood,
and why it is important



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- Background
- Methodology
- Example: cheese
- Conclusions



Background



Two debates 5 years ago:

1. Average data – which average?

2. How to deal with multiple output?

=> New approach: market-based LCA



Methodology



Key-questions to identify affected processes

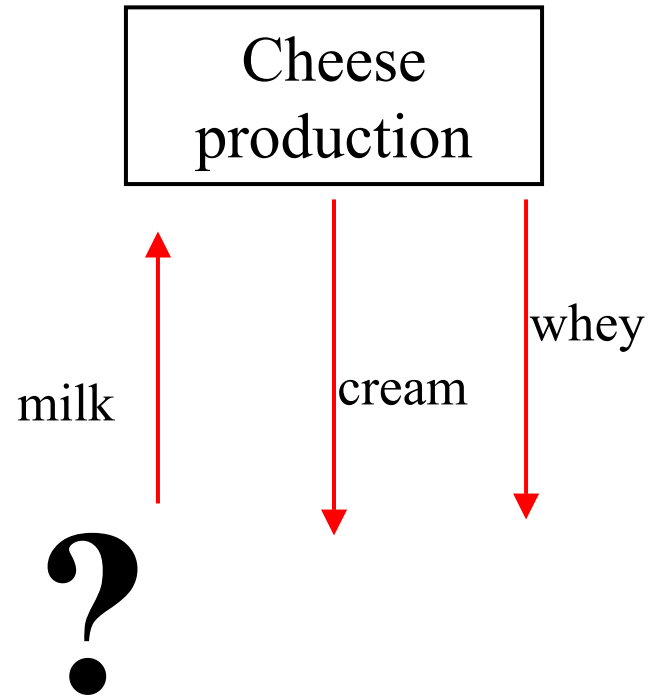
- Is the supplying market increasing or decreasing, and are any of the supplying technologies constrained?
- Which technology is most likely to be affected by a small change in demand?



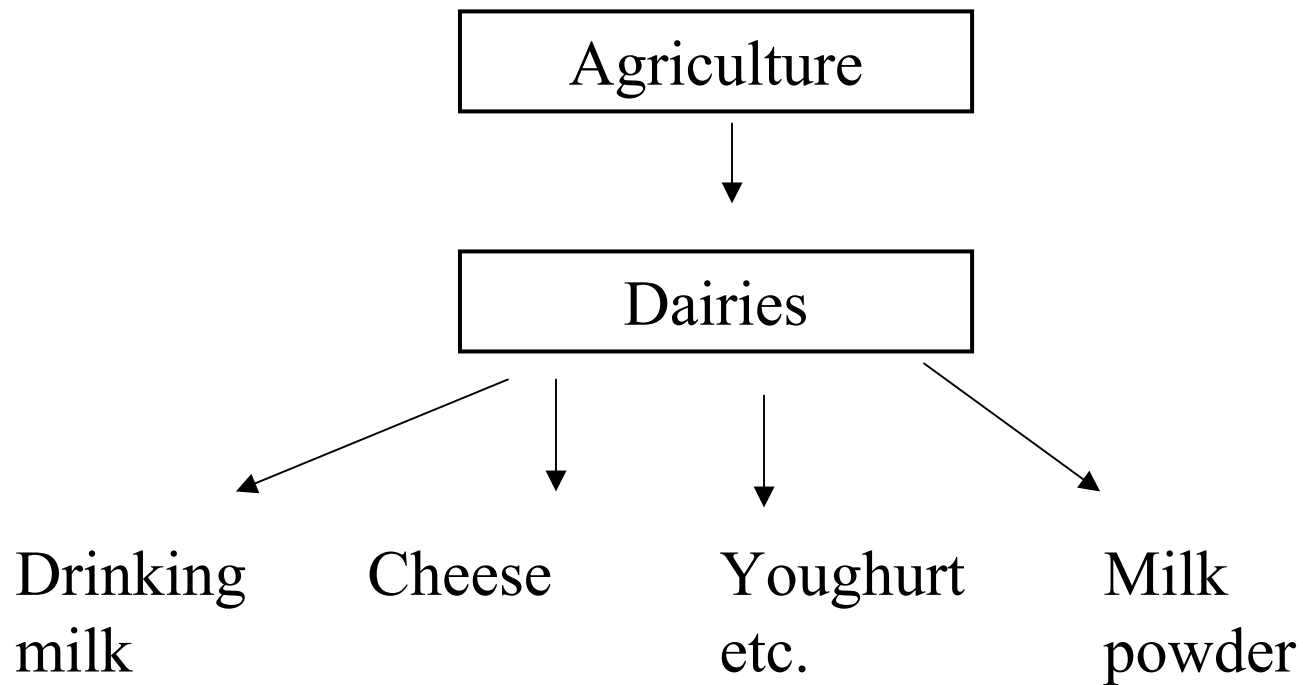
Example: cheese



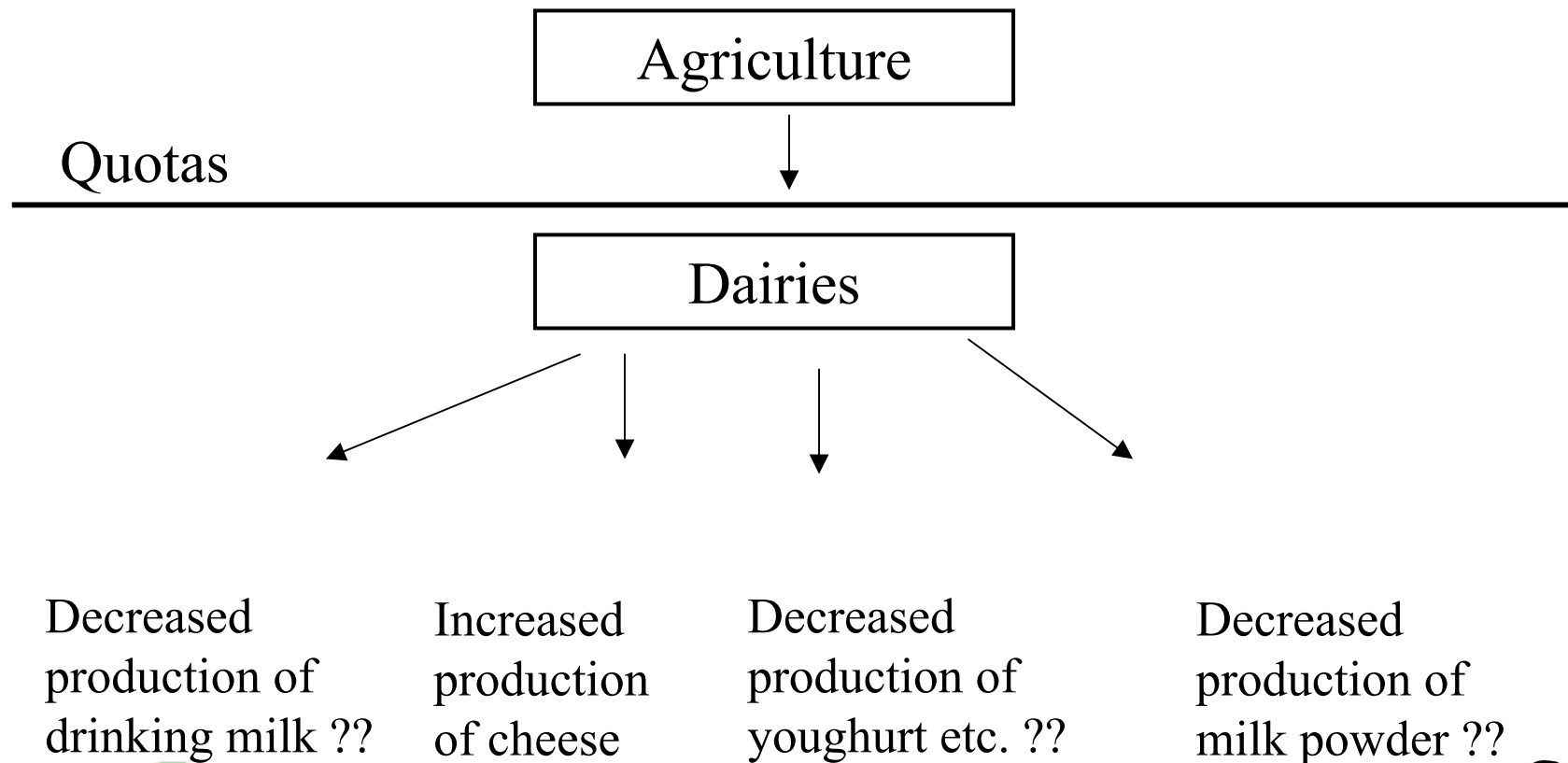
The production of cheese



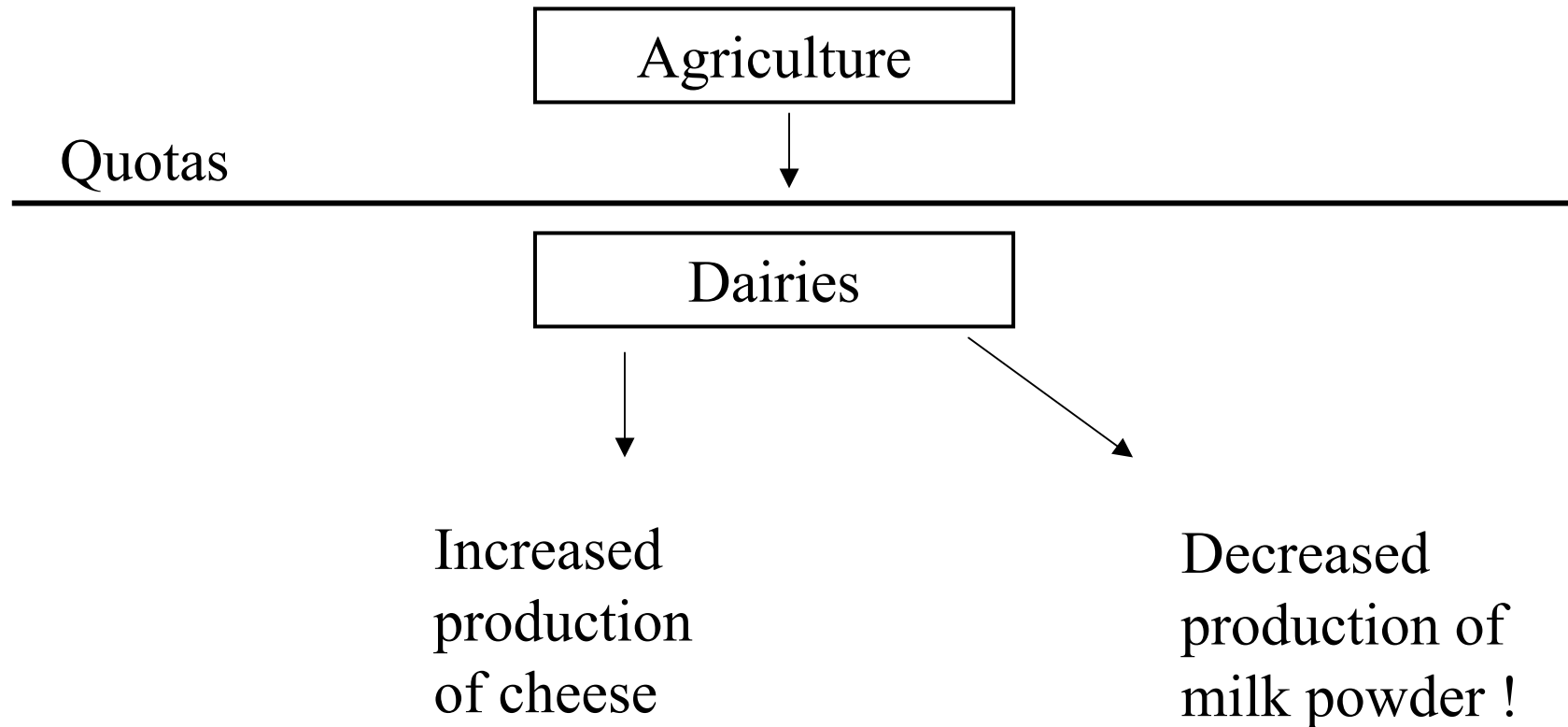
Physical flow of milk in the dairy



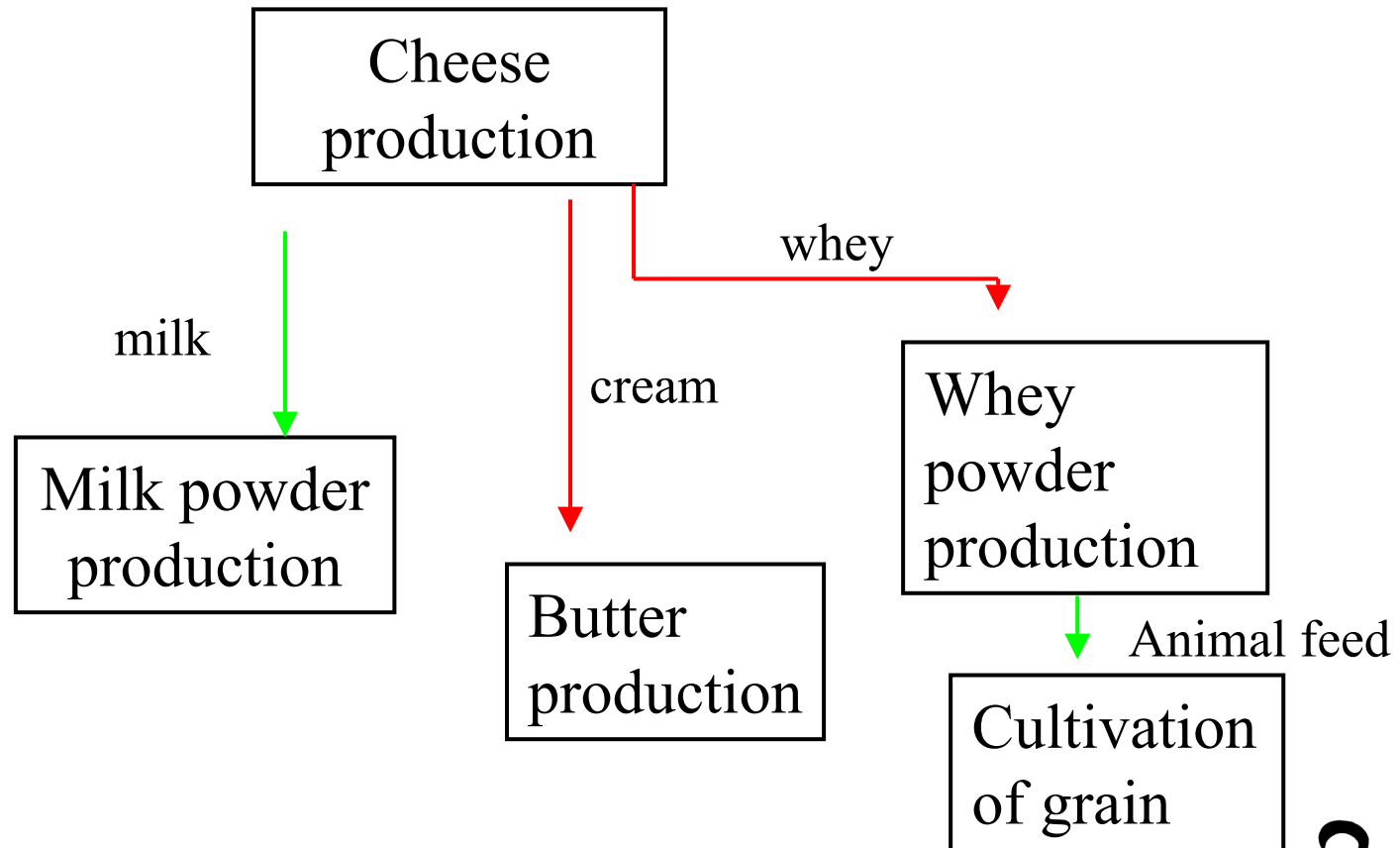
The process affected by demand for milk?



The process affected by demand for milk!

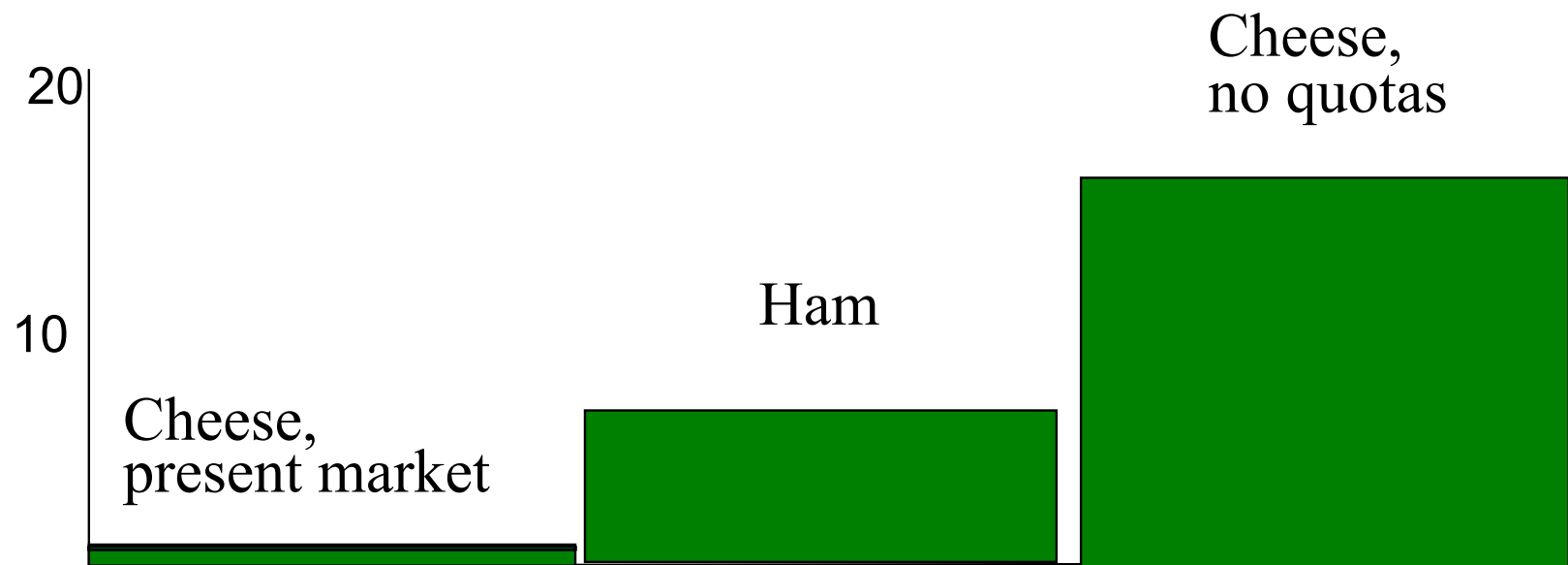


Processes affected by consumption of cheese



Cheese or ham on your sandwich?

Global warming potential
(kg CO₂-eqv.)



Conclusions



Green consumers

- Eat cheese & drop the ham
- Untill the quota system is stopped



- Market-based system-delimitation

- reflects actual change
- possible
- info about markets necessary
- higher explanatory power
- can change conclusions



Read more at
www.lcafood.dk

