

Protein Transition: Moving Beyond the Buzz of Novel Protein Sources

Duluins Océane

Students4 Food - FAO Inspirational Talk

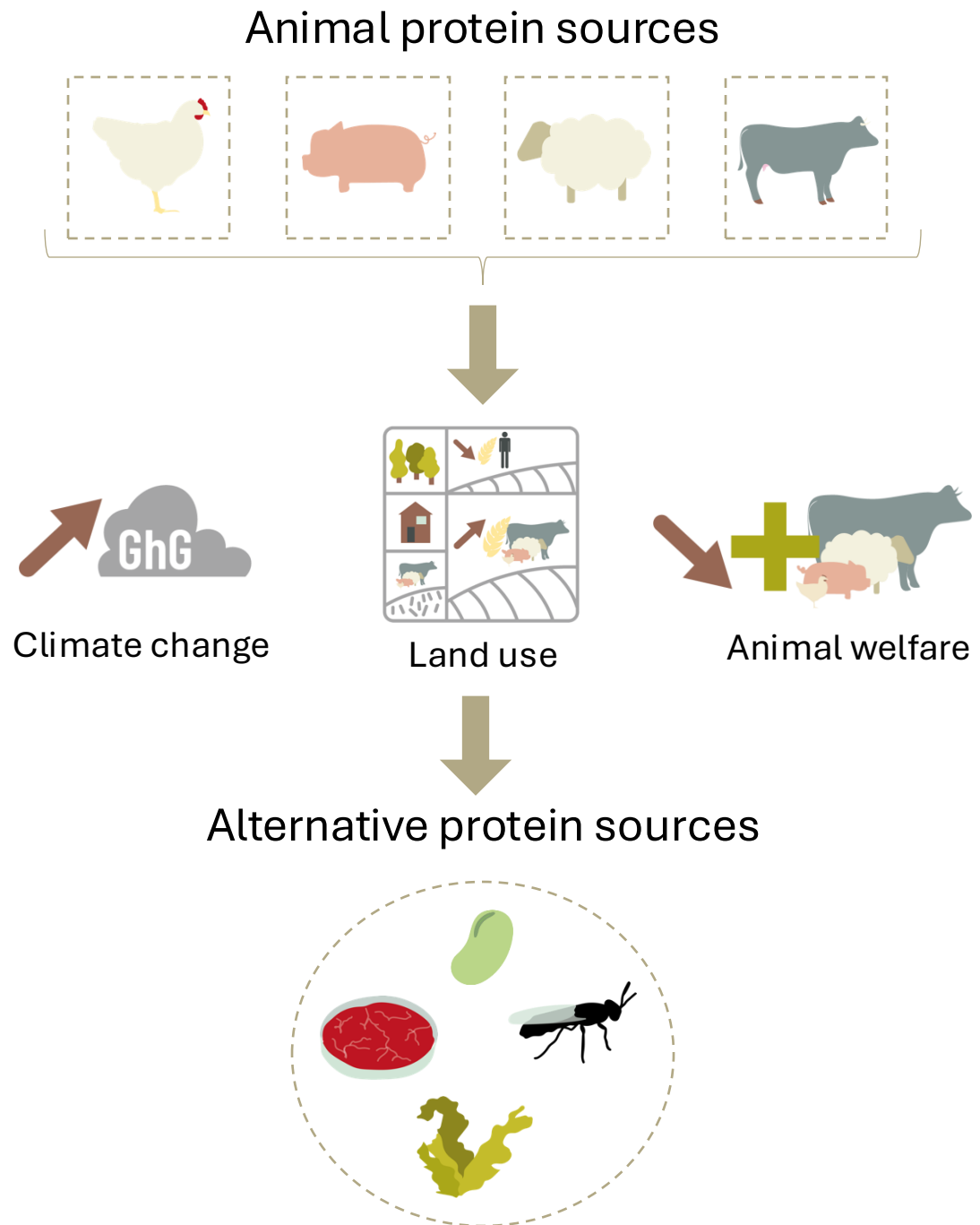
20th October 2024



Future protein sources?



The protein transition:
shifting from animal-based
proteins to alternatives.



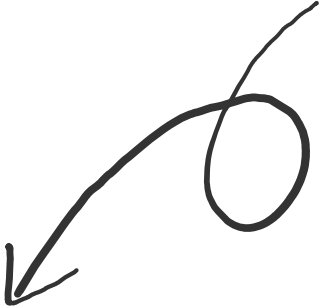
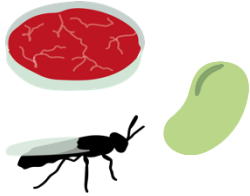
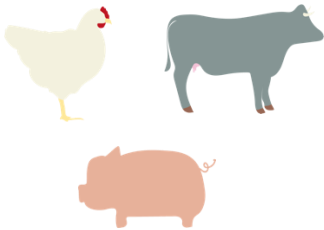
Why is the protein transition important?

Recommended protein intake

0.83 g/kg body weight/day

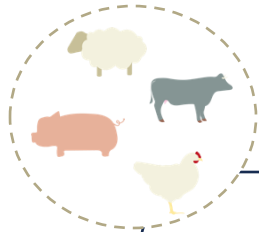
EU consumption

1,25g/kg



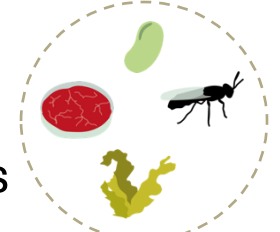
We overconsume proteins

The debate: a complex conversation with multiple perspectives



Pro livestock

- 1) Landscape & food security
- 2) Rural economy
- 3) Culture & identity



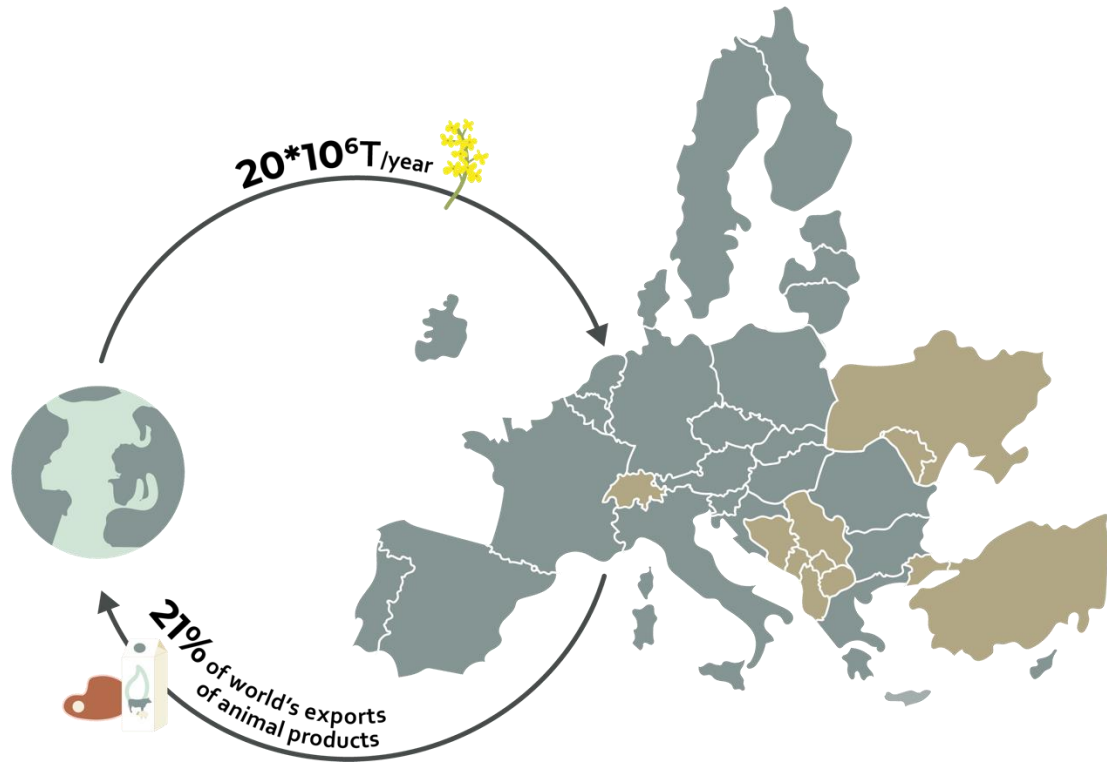
Pro alternative proteins

- 1) Feed a growing population
- 2) Better for the environment
- 3) Better for animal welfare

Many questions remain to be answered

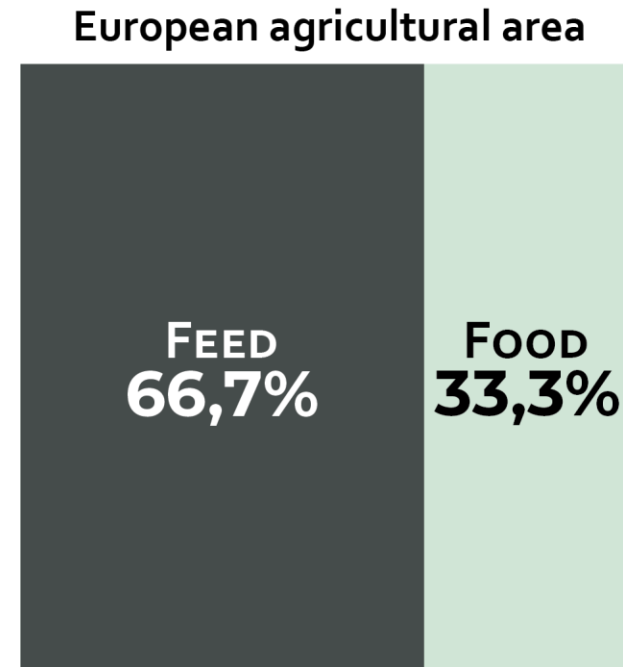
Europe is top 1 exporter of animal products

Europe prioritizes feed cultivation over food

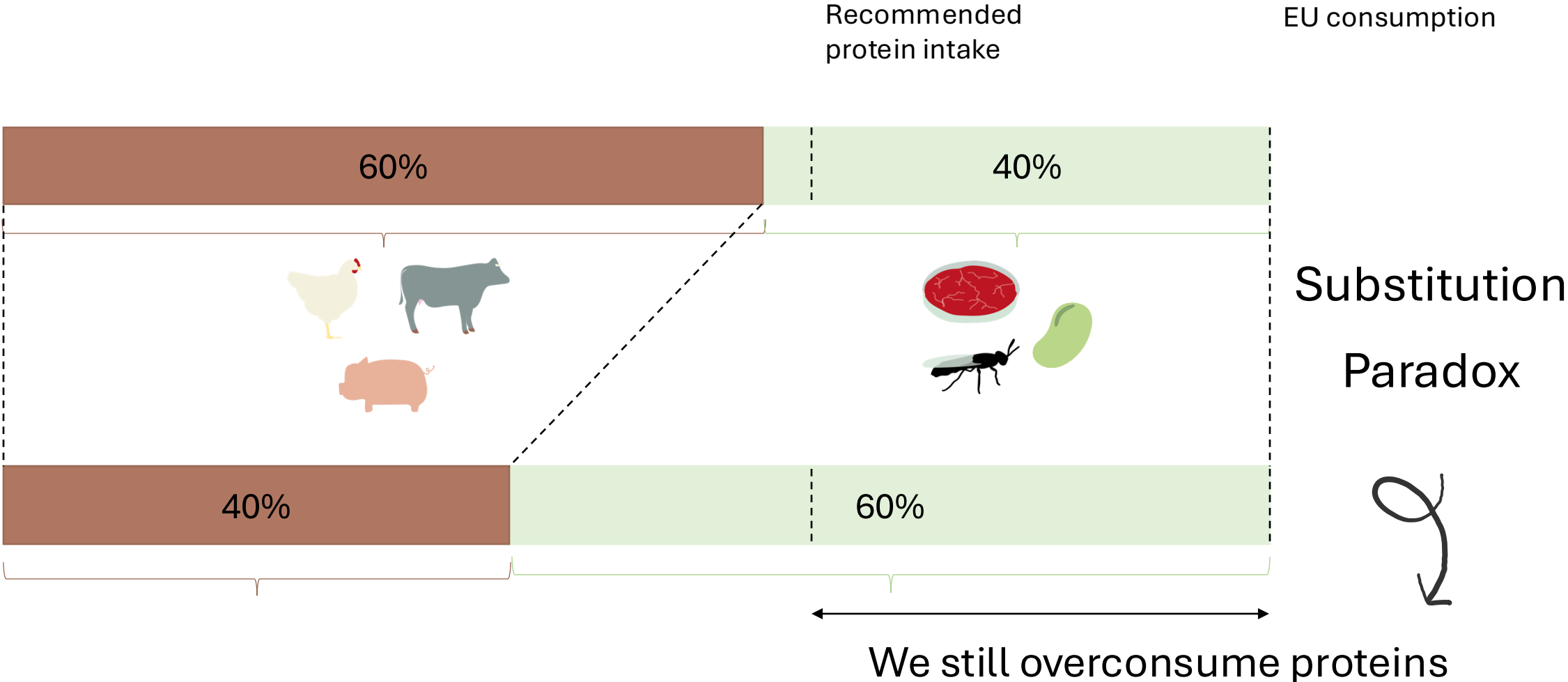


Europe is heavily reliant on protein soybean imports

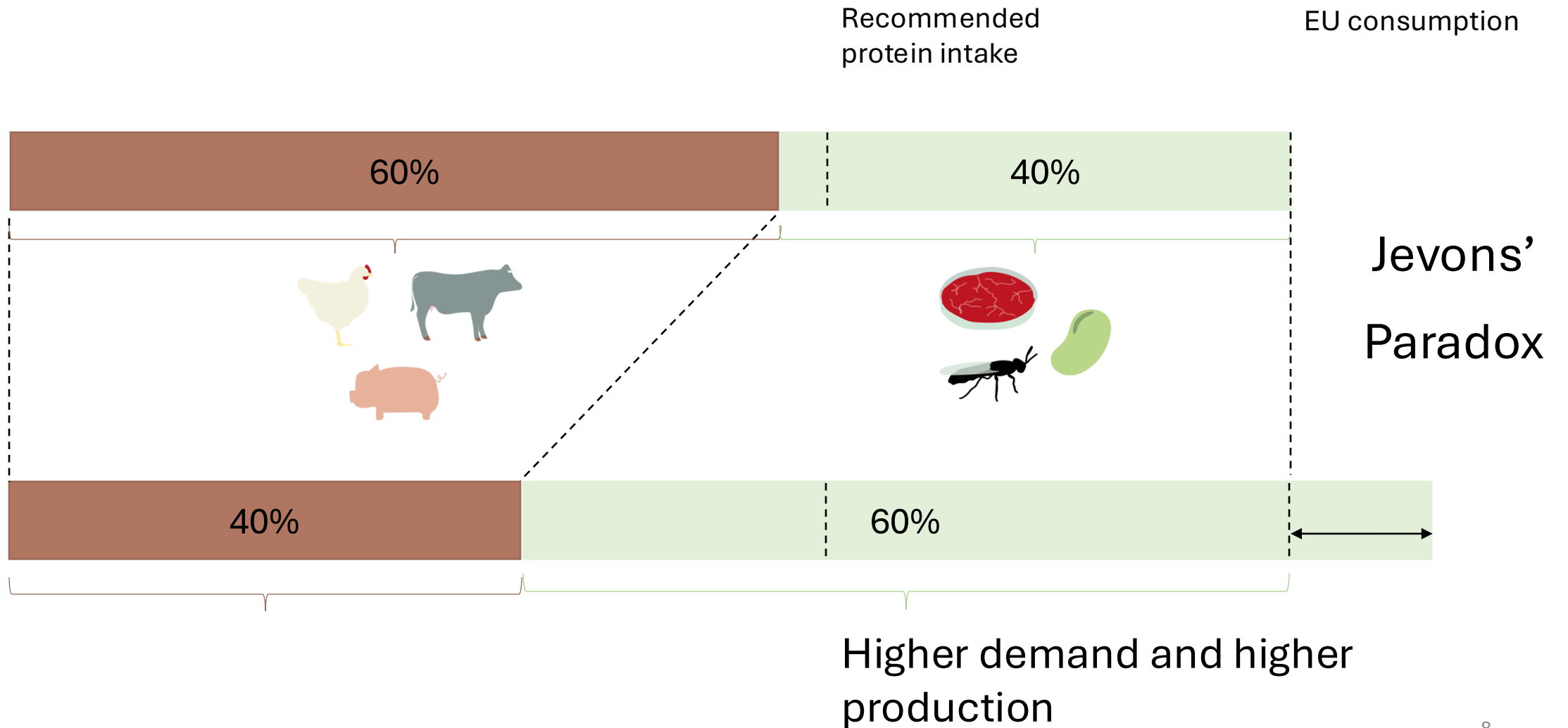
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Substituting animal proteins by alternatives will not address overconsumption

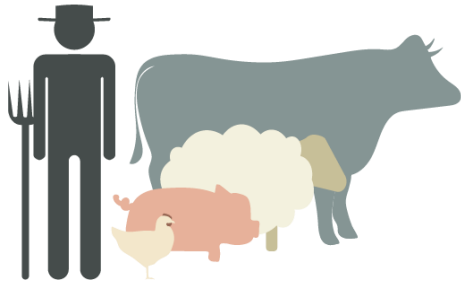


Increasing efficiency might lead to overall consumption and production increase



What is the way forward?

EU livestock
production

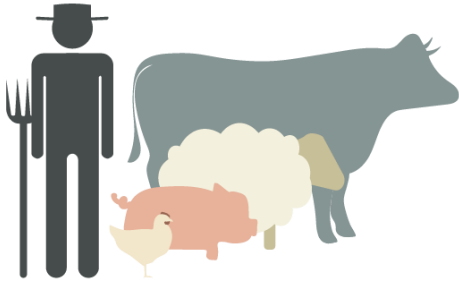


EU livestock
consumption



What is the way forward?

EU livestock
production



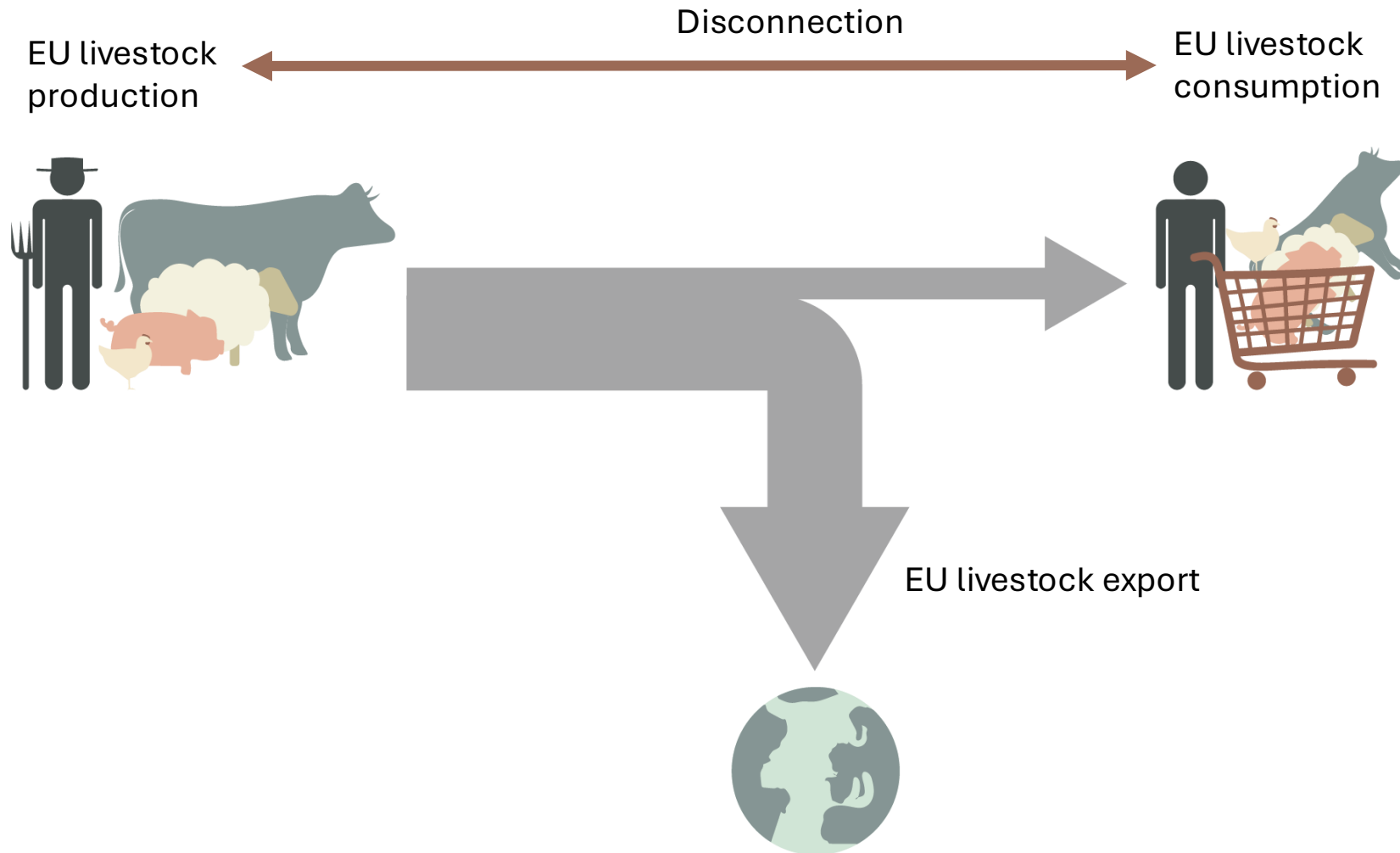
EU livestock
consumption



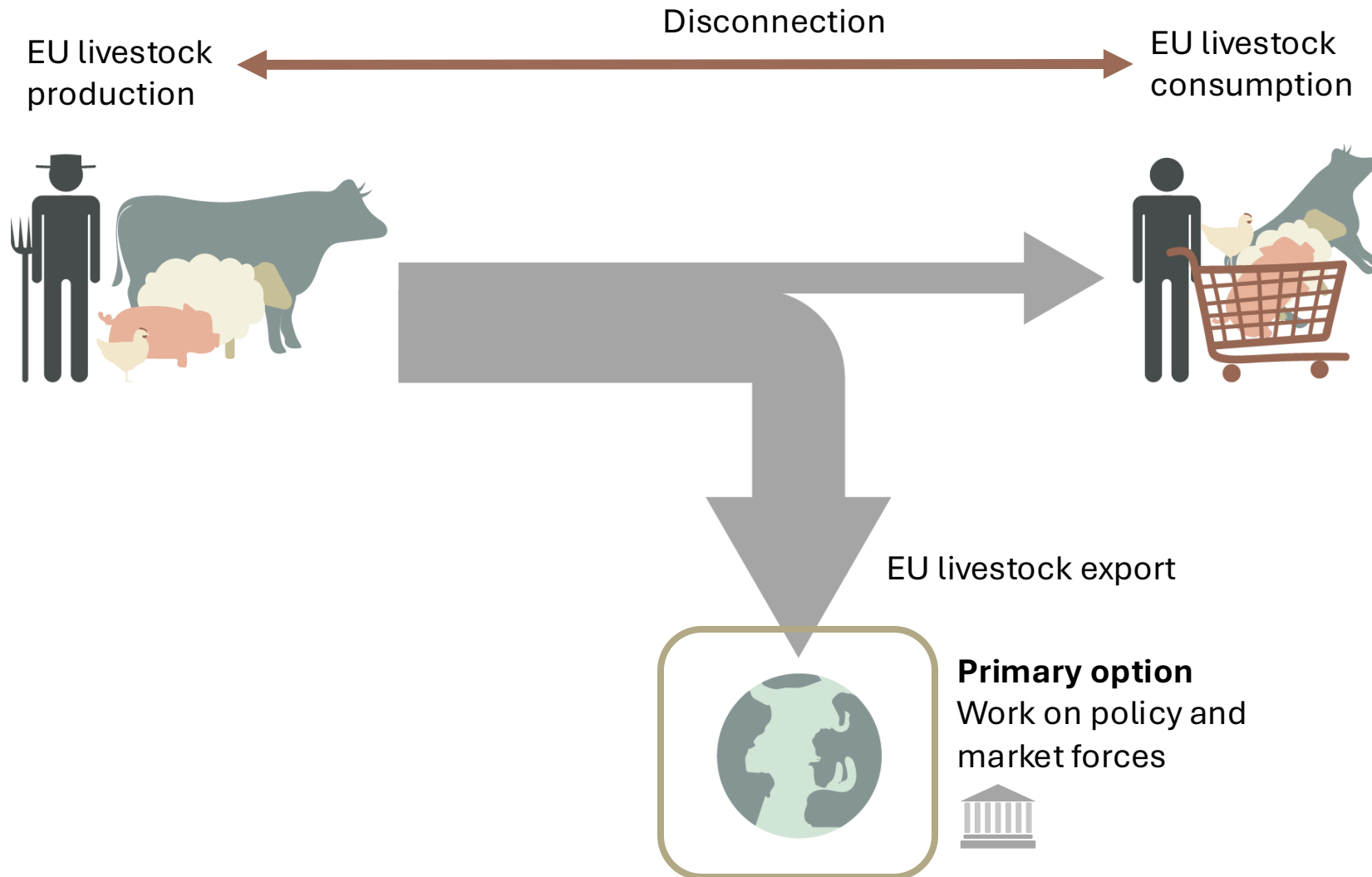
EU livestock export



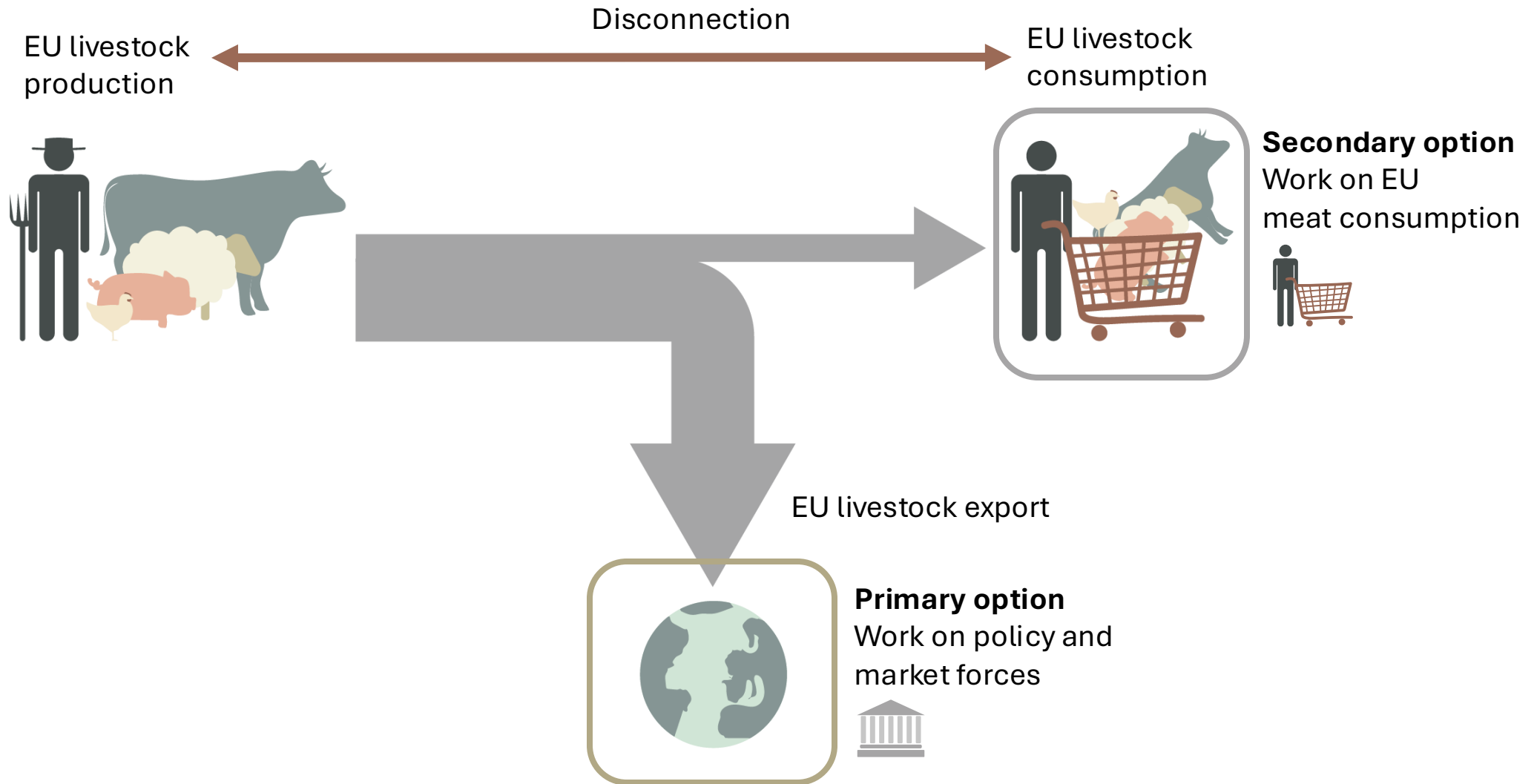
What is the way forward?



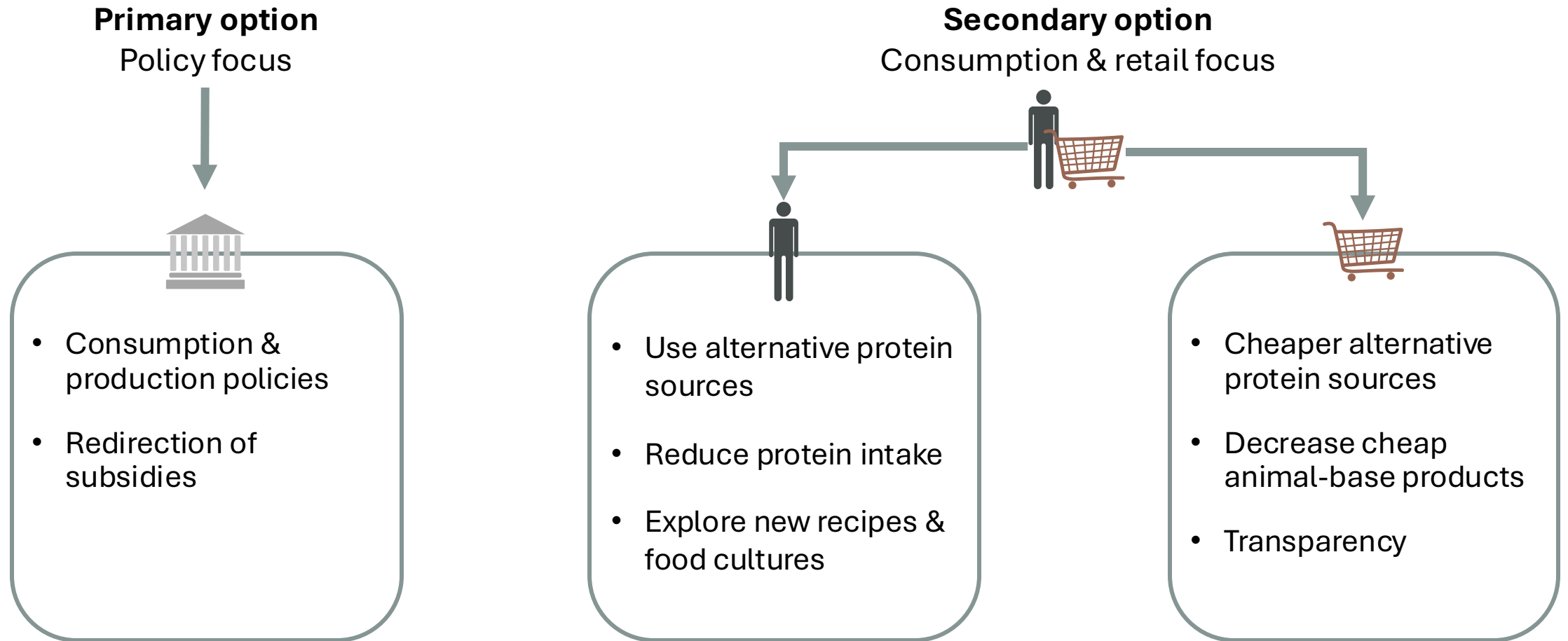
What is the way forward?



What is the way forward?

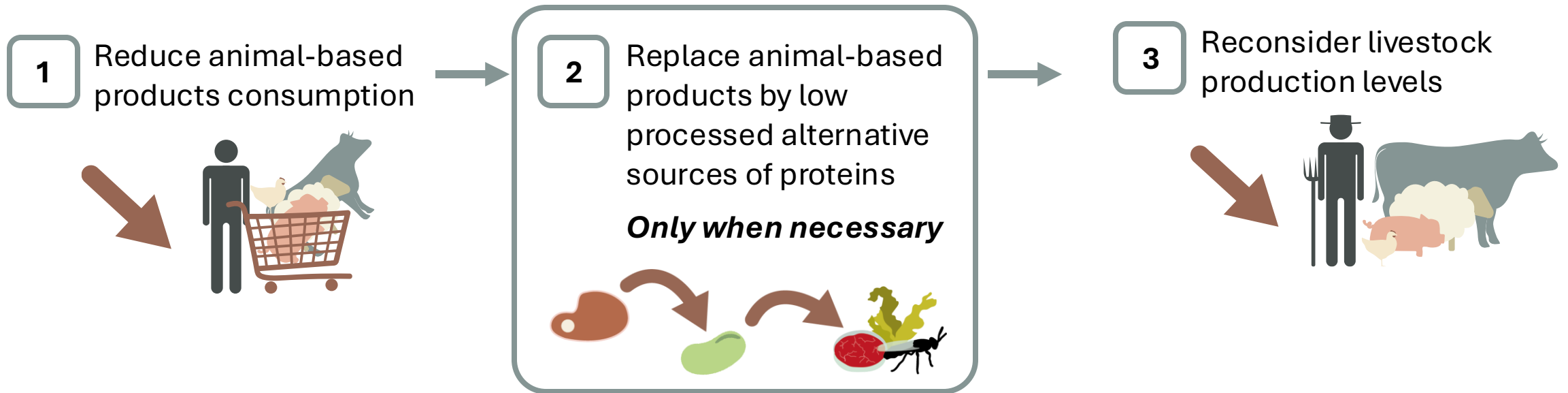


Role of stakeholders



Focusing only on alternative protein sources is not enough

Strategy is needed considering what we want more but, most importantly, what we want less.





Thank you for listening

Feel free to reach out on Research Gate & LinkedIn:
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All the fantastic figures in this presentation were made by
@Céline Chevalier whom I deeply thank