

A crumpled piece of paper sits on a notebook page. The page is covered in faint sketches, including a large circle around the crumpled paper, arrows, and the handwritten text "What,?!". The notebook's spiral binding is visible on the left. A teal graphic element is on the right side.

b1onk ▶ consultants ◀

Giving shape to sustainability

Welcome
Carbon Footprint of Animal based Feed Products

Hans Blonk
Director

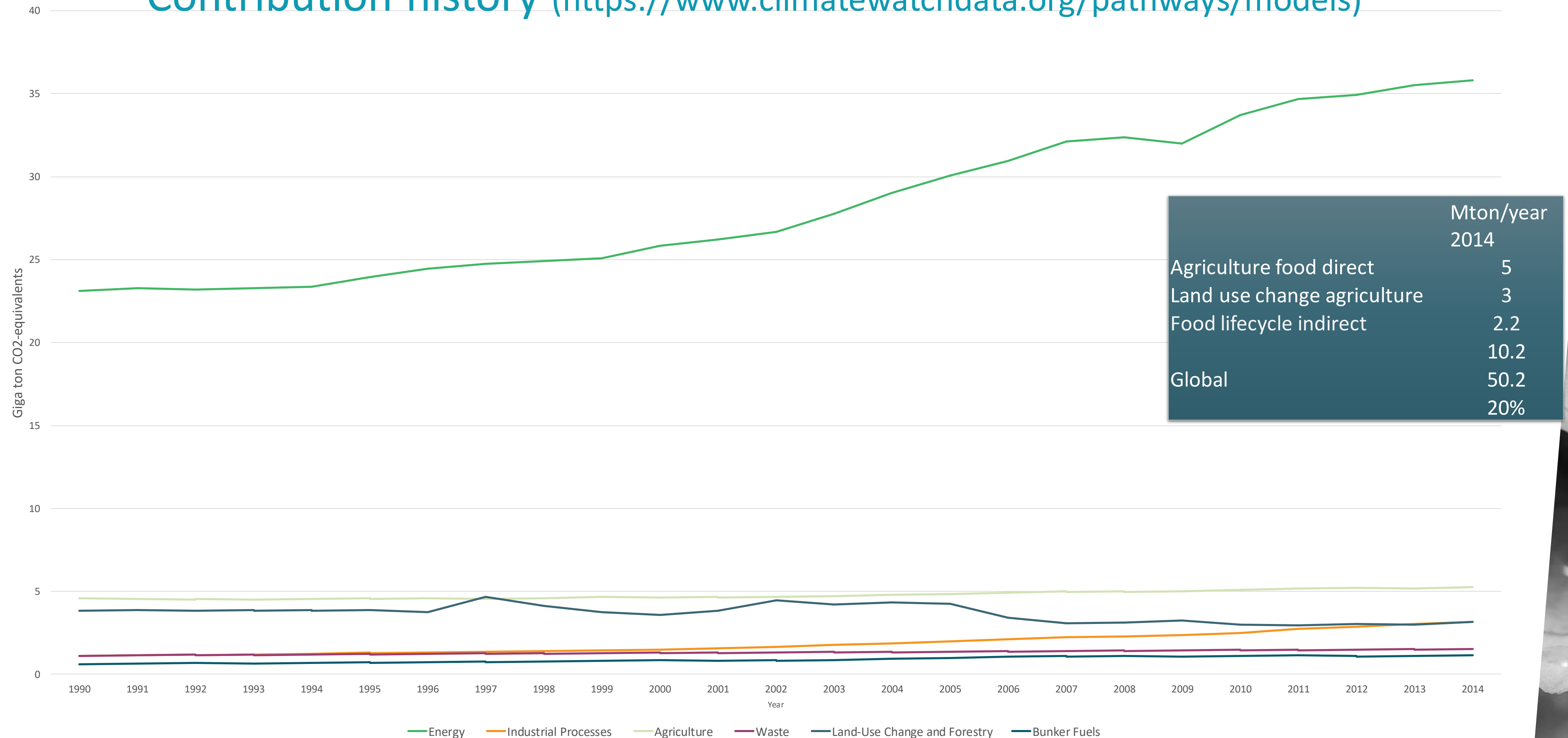
VIV Europe 2018 Utrecht
20/06/2018

The topics

1. The global climate challenge for food
2. The challenge for animal production systems
3. Improving the Carbon footprint of Feed production
4. Animal meal and fat as “climate friendly” feed materials

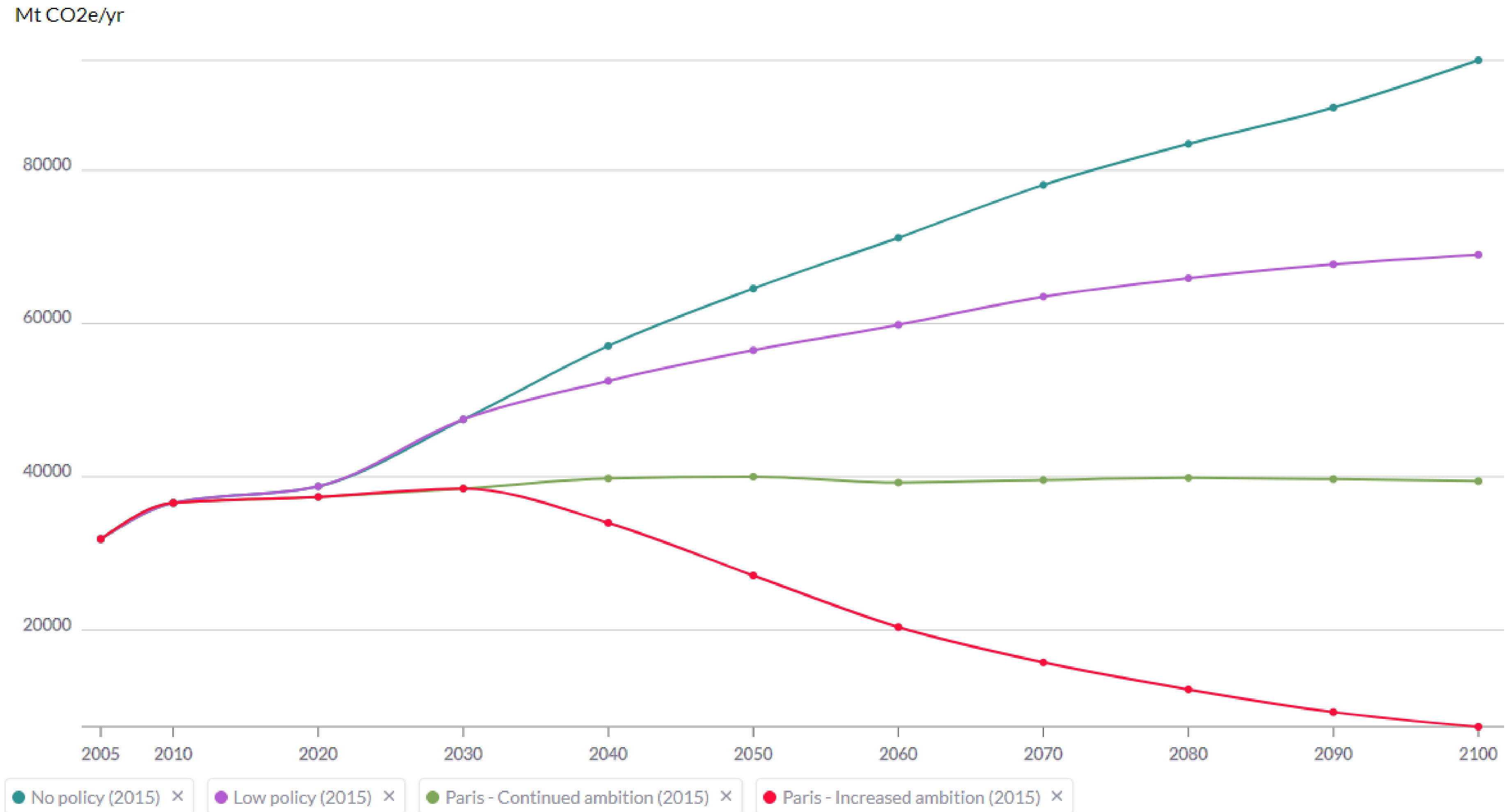
1. The global climate challenge for food

Contribution history (<https://www.climatewatchdata.org/pathways/models>)



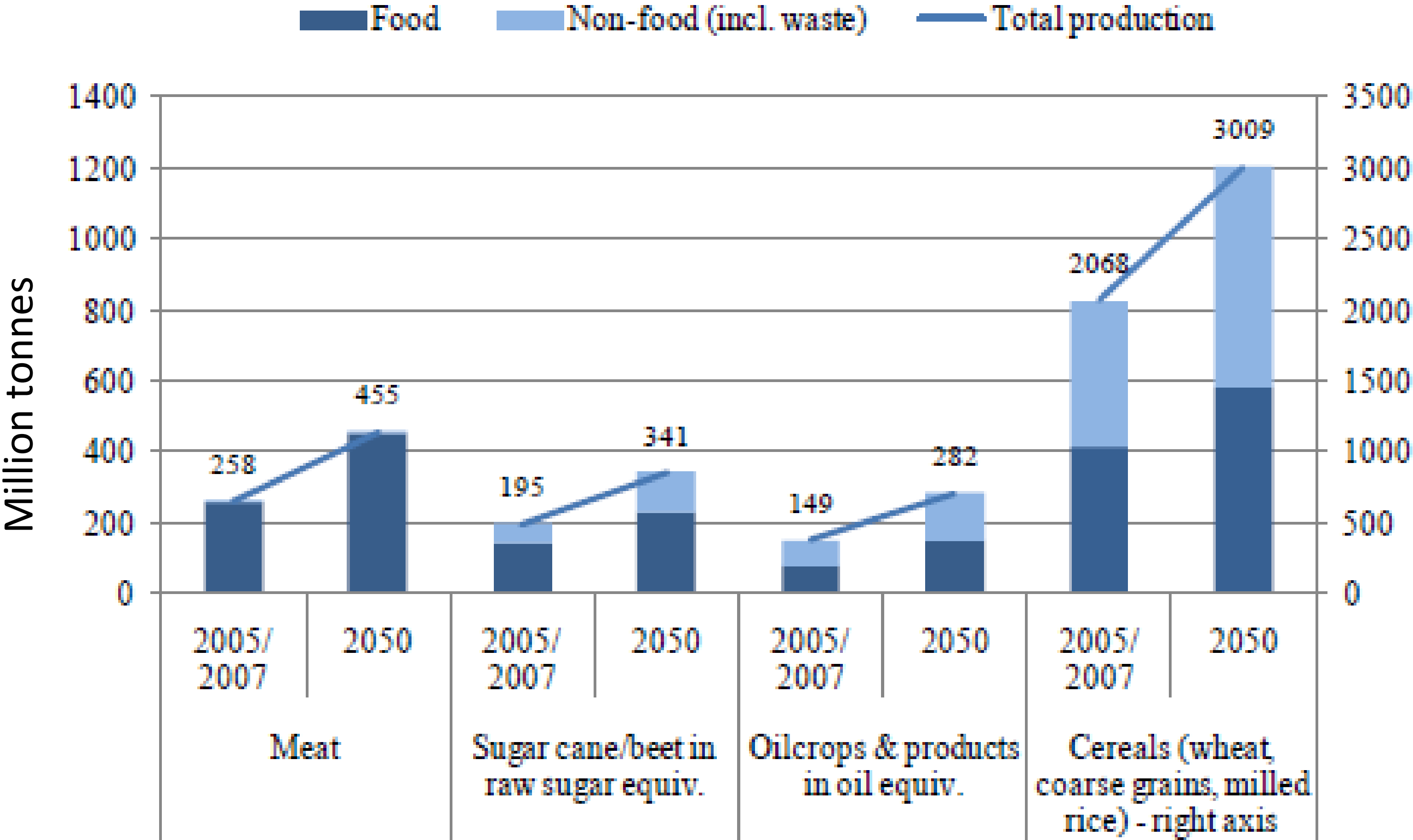
1. The global climate challenge for food

Scenarios for the Future (<https://www.climatewatchdata.org/pathways/models>)



2. The challenge for animal production

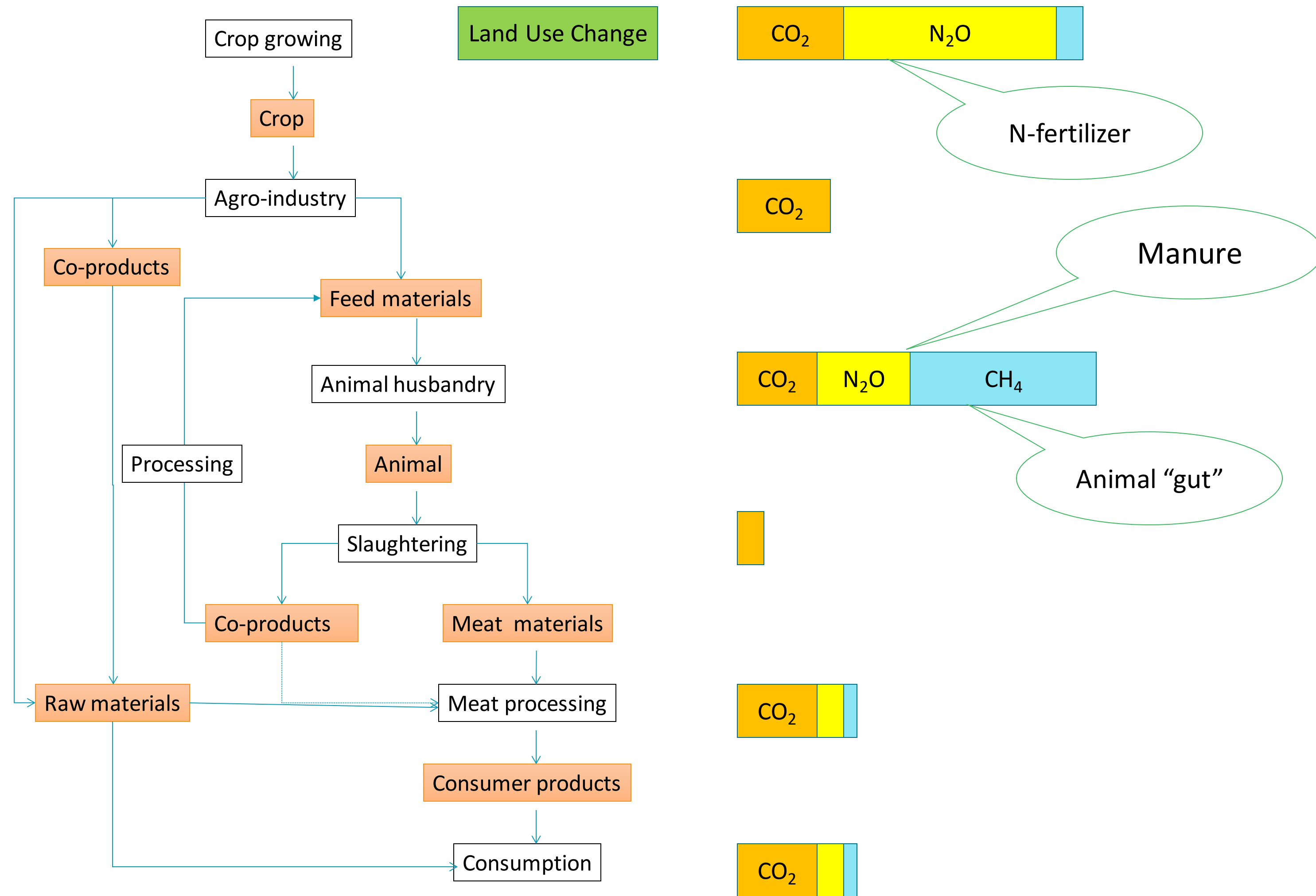
Consumption per capita grows and population grows



2. The challenge for animal production systems

- Decrease GHG emissions
- Decrease land occupation → decreases pressure on land
- *Means*
 - Increase feeding performance → reduce FCR
 - Decrease GHG emissions of feed production per unit nutrition

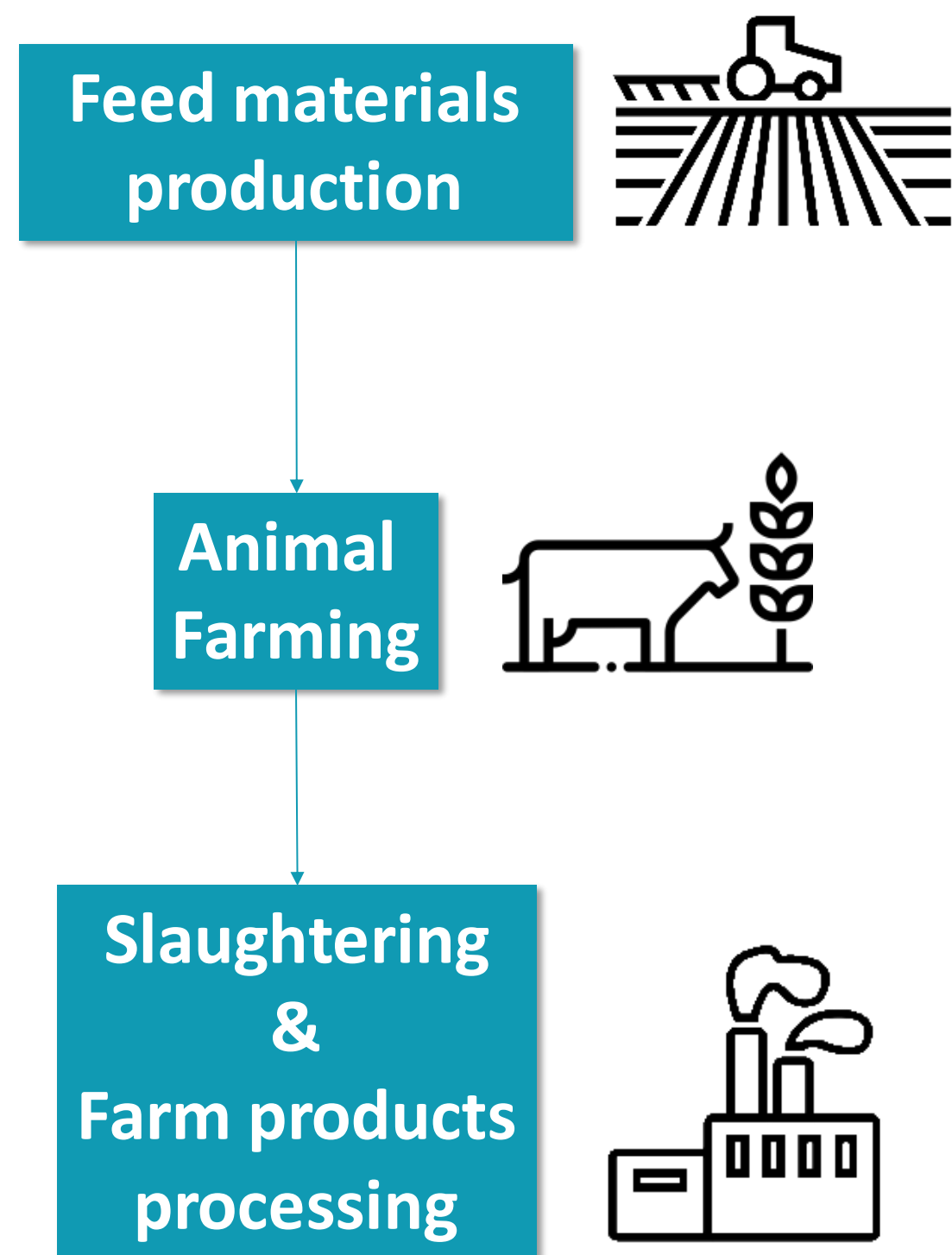
3. Improving carbon footprint of feed production



3. Improving carbon footprint of feed production

Rules of the game

APS PRODUCTION CHAIN



STANDARDS



GUIDANCE

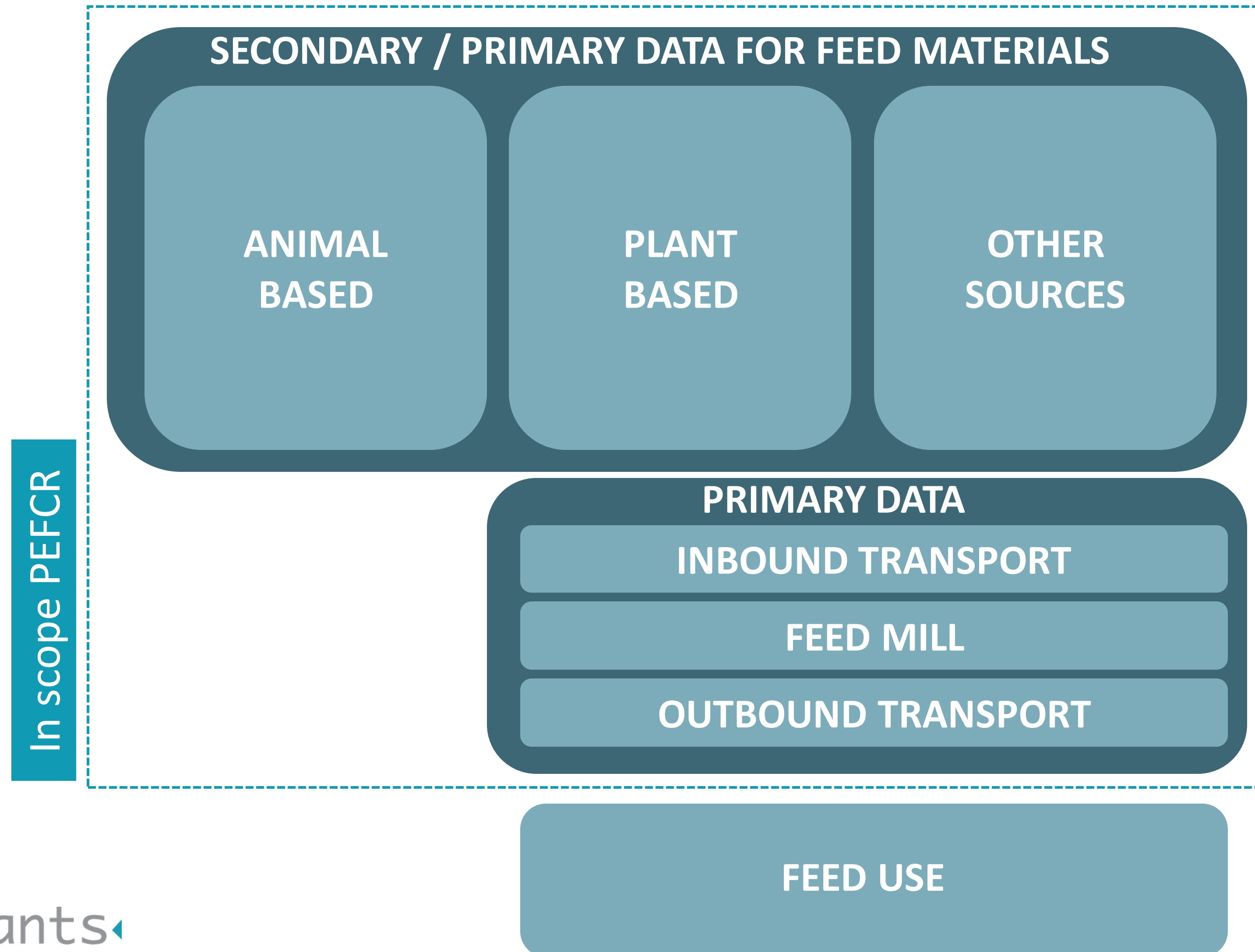


OVERALL FRAMEWORK



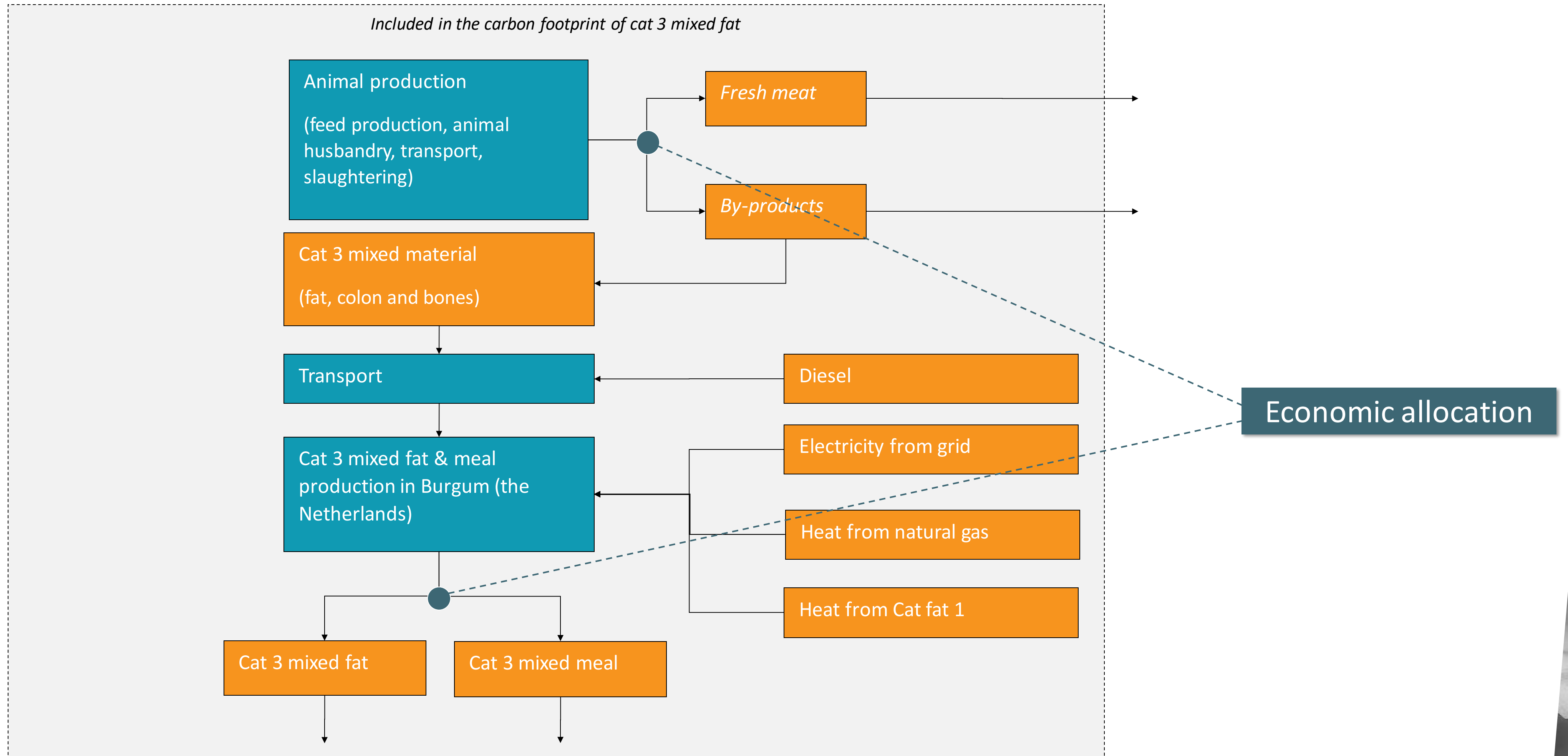
3. Improving carbon footprint of feed production

The Feed PEFCR



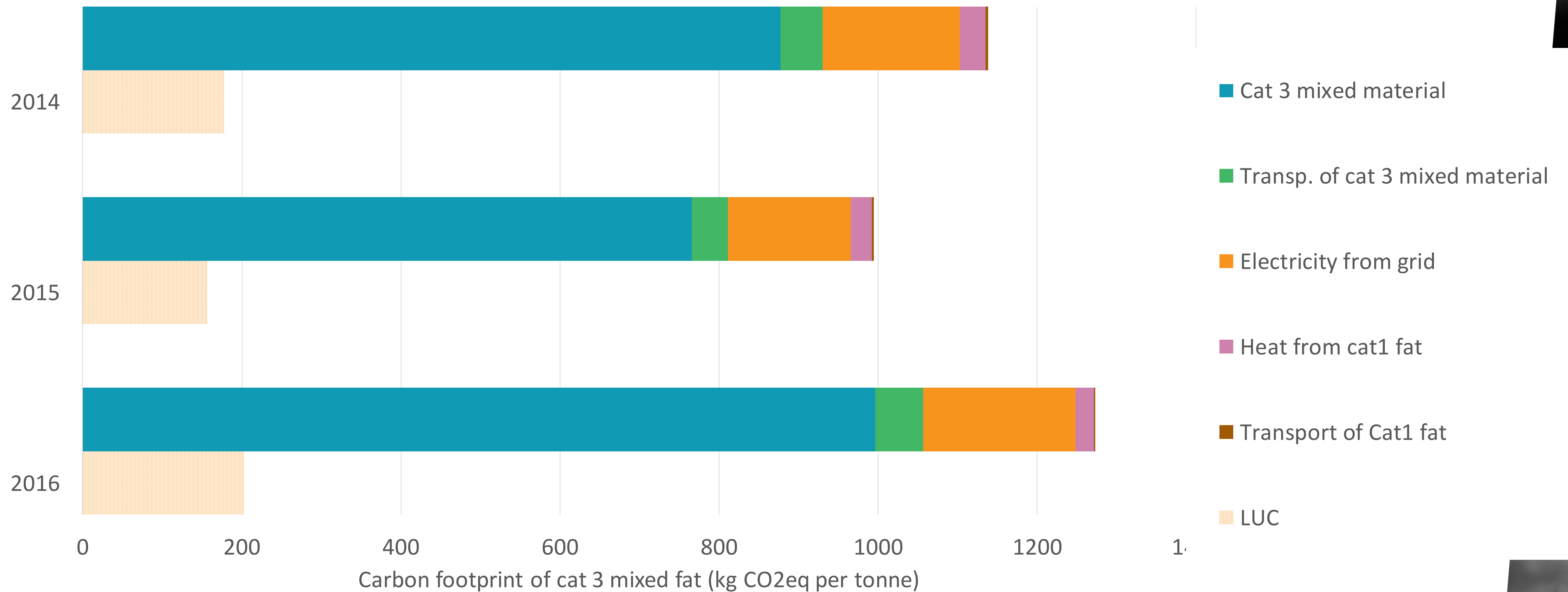
4. Carbon footprint of animal meal and fats

Cat 3 Animal Fats compared to plant based alternatives



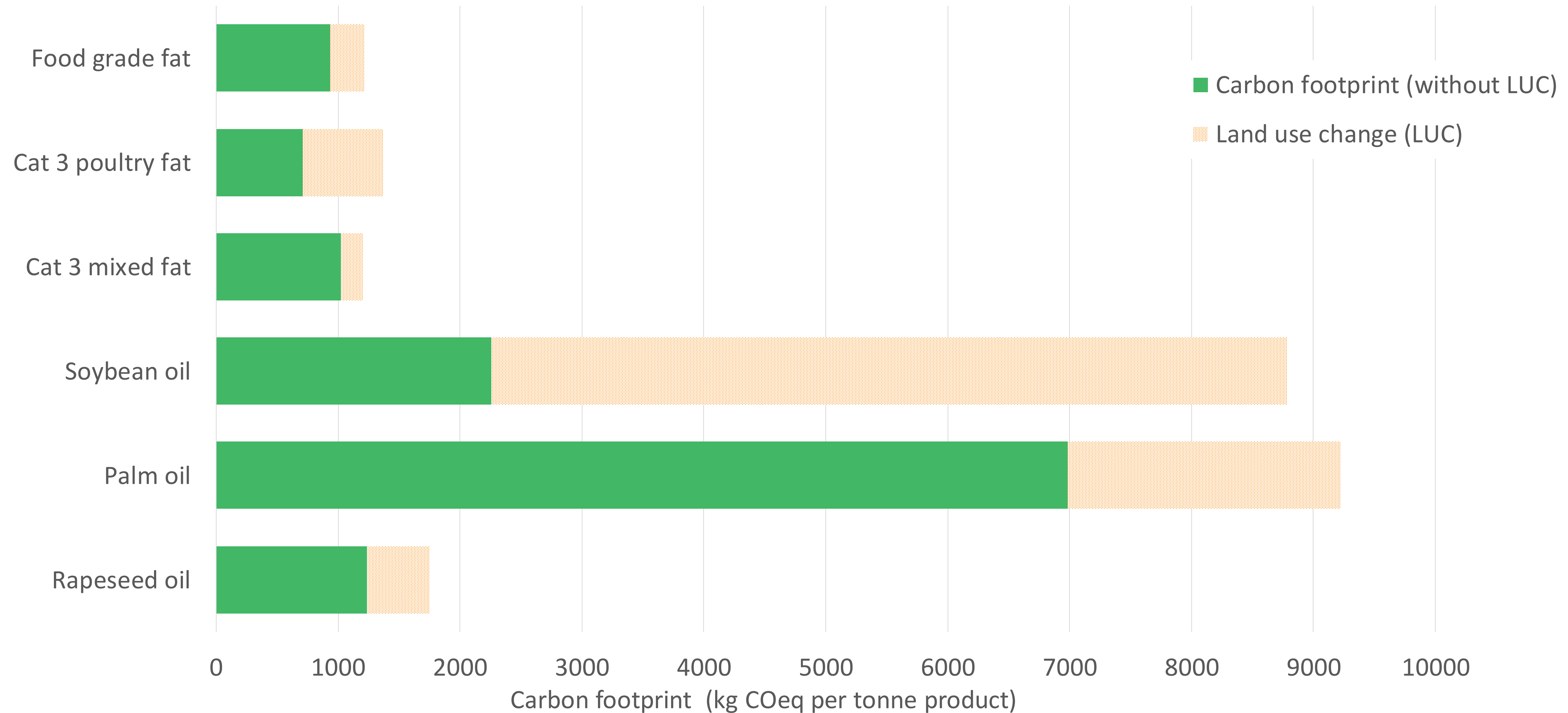
4. Carbon footprint of animal meal and fats

Cat 3 Animal Fats (SONAC) compared to plant based alternatives



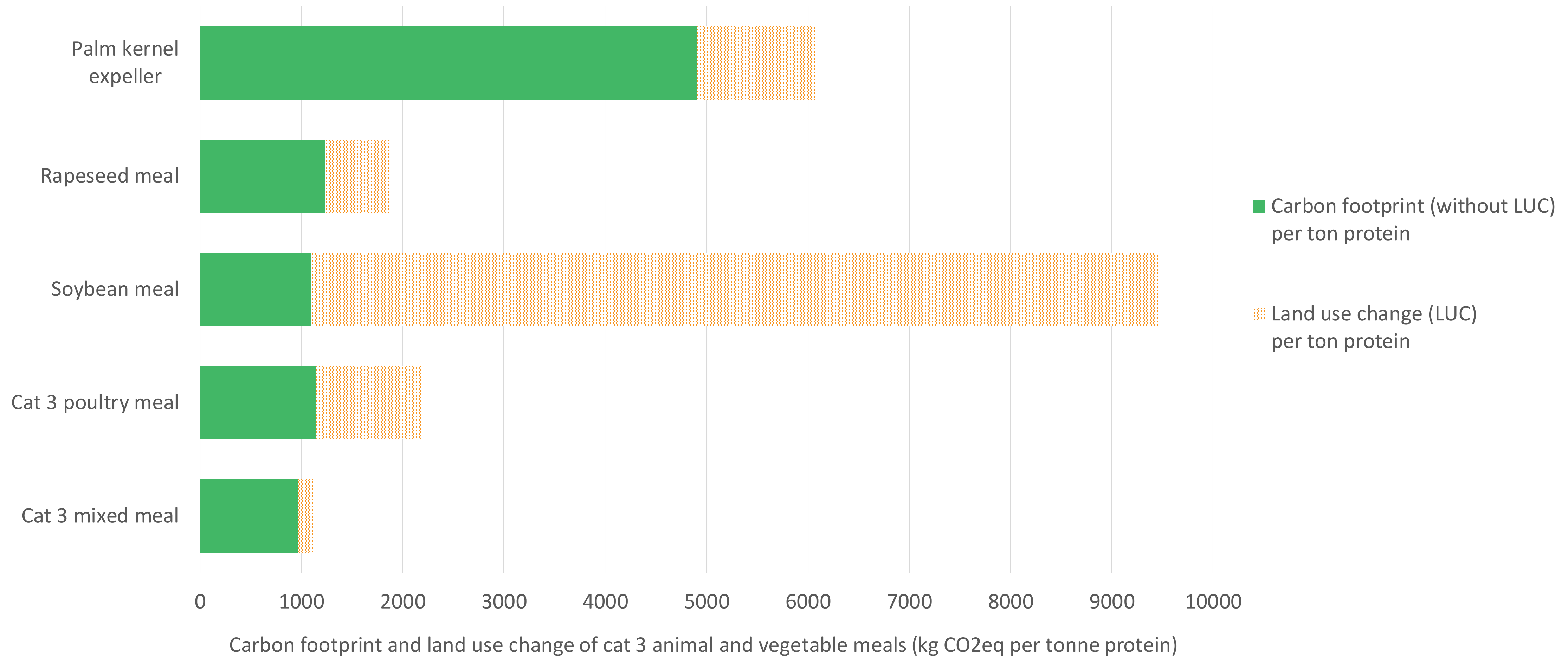
4. Carbon footprint of animal meal and fats

Cat 3 Animal Fats (SONAC) compared to plant based alternatives



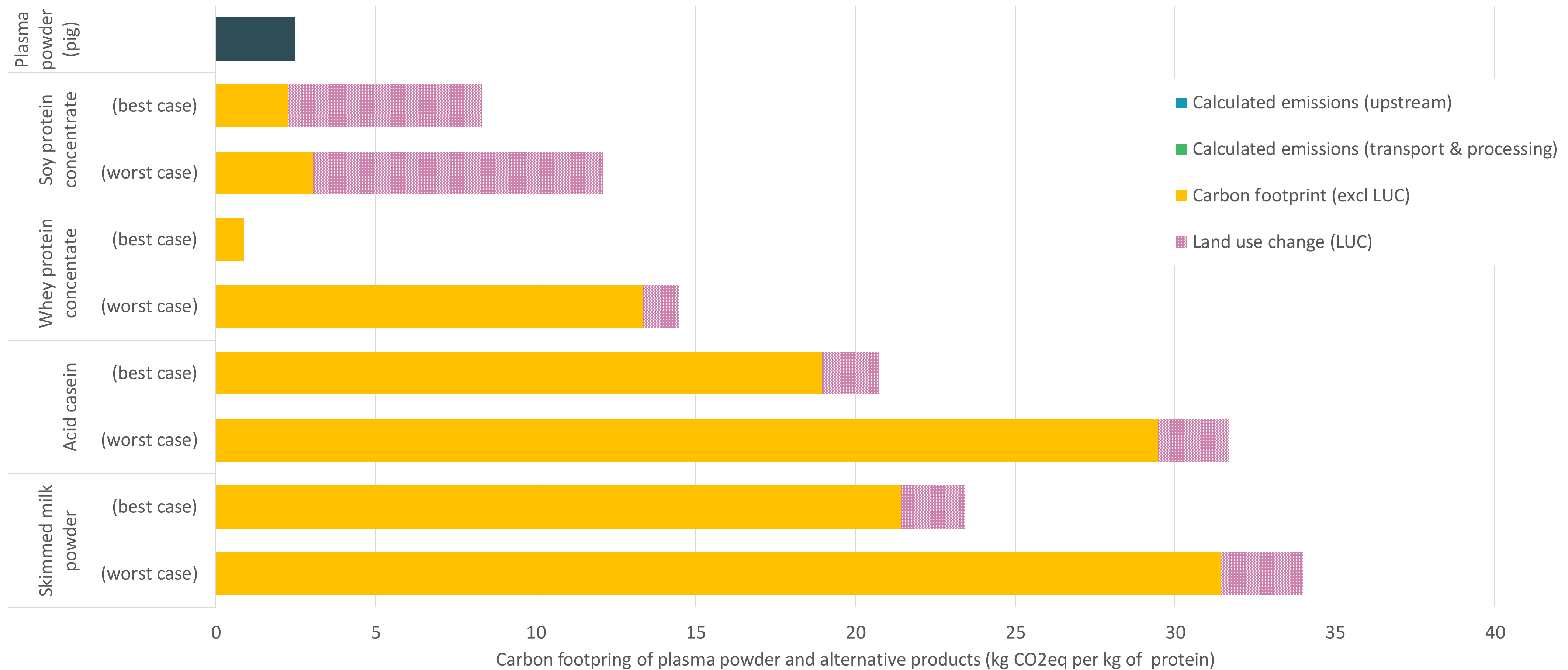
4. Carbon footprint of animal meal and fats

Cat 3 Animal meals (SONAC) compared to plant based alternatives



4. Carbon footprint of animal meal and fats

Plasma powder (SONAC) compared to milk based alternatives



4. Animal meal and fat as “climate friendly” feed materials

Closing remarks

- Economic allocation has big effect on results
- No allocation of animal farming (e.g. conform Biofuels directive) would reduce GHG scores substantially.
- GFLI project will be started up where allocation will be discussed.
- GFLI project aims to build secondary database for animal based feed products.



Thank you!

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