

CREATING THE TRIPLE BOTTOM LINE IN THE INSECT REARING INDUSTRY: CURRENT AND FUTURE PERSPECTIVE

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INTRODUCTION

The **current food system has severe environmental implications**, attributing to more than a quarter of all greenhouse gasses worldwide. **Insect rearing** has been dubbed as a promising solution to creating a **more efficient and sustainable food system**. However, it faces political and consumer acceptance **barriers**. These barriers can be overcome in the near future, but how would overcoming these barriers exactly benefit the sustainable impact that insect rearing can create?



AIM

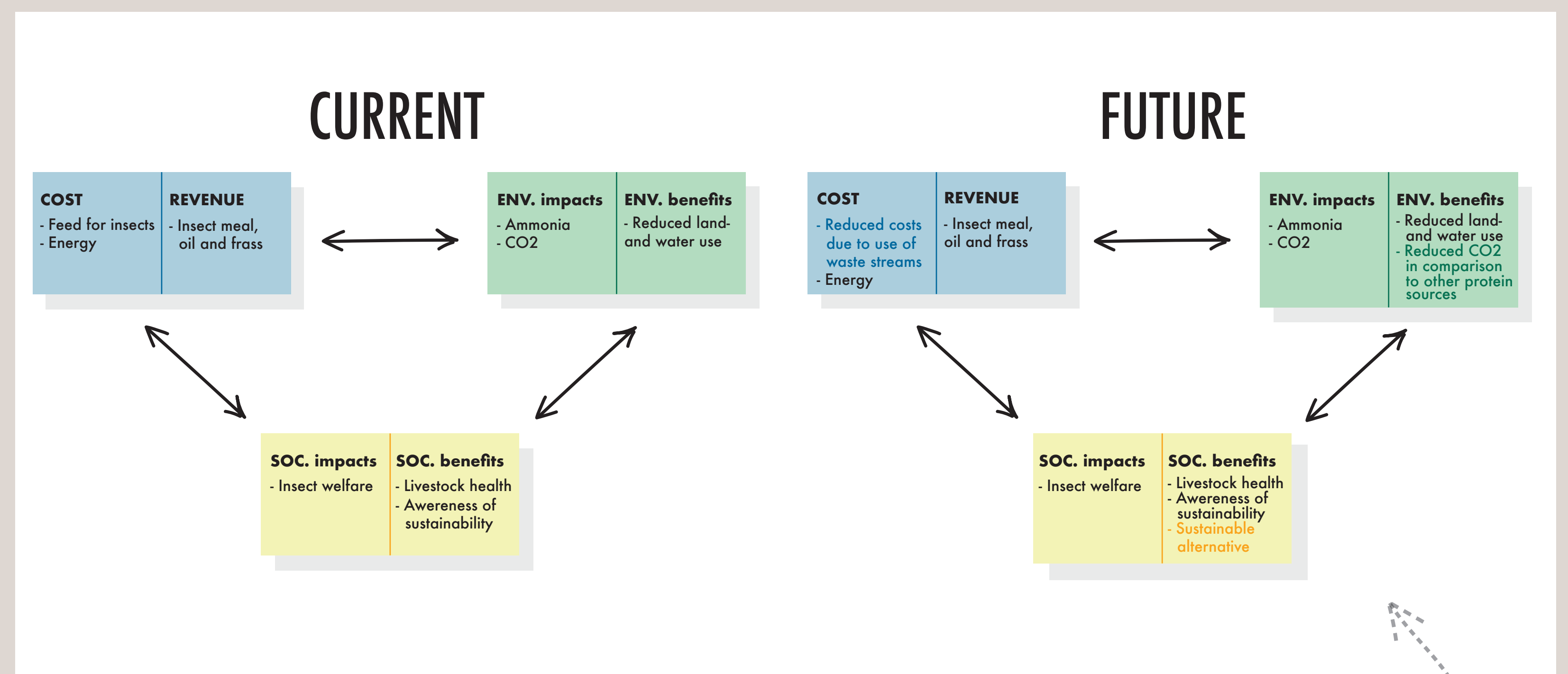
Explore and contrast how the insect industry creates **social, environmental and economic** value right **now** (w/ current barrier) and in the **future** (without barriers).

THEORY

Importance of creating a triple bottom line:

- People
- Planet
- Profit

Triple layered business model canvas, a business modelling tool that takes in account the triple bottom line.



METHOD

- **Qualitative case approach.**
- 7 semi-structured interviews with industry experts.
- 2 cycles of coding:
 - ↳ 1, Open descriptive coding to seek out practices and different kinds of value created.
 - ↳ 2, Ascribing codes found in first cycle to specific sections of the TLBMC.

CONCLUSION

- Currently, insect rearing is not yet very sustainable.
- Ability to create **large environmental and economic** value simultaneously when **legislation is overcome and insects are accepted as food**.
- Large opportunities for insect rearing can be found in **developing countries** due to a favourable climate, less stringent policy, low operating cost and improvement of food security.



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