

A photograph of three people (two men and one woman) standing in a room with blue, geometric, pyramid-shaped walls. One man is holding a smartphone up to take a photo. The image is overlaid with a semi-transparent blue rectangle containing text.

# On the road towards decarbonised logistics: A Swedish perspective on success factors and future challenges

Maria Huge-Brodin & Anders Joensson

*Presentation at the 10th International Workshop on Sustainable Road Freight,  
Cambridge, UK, 4-5 December 2023*



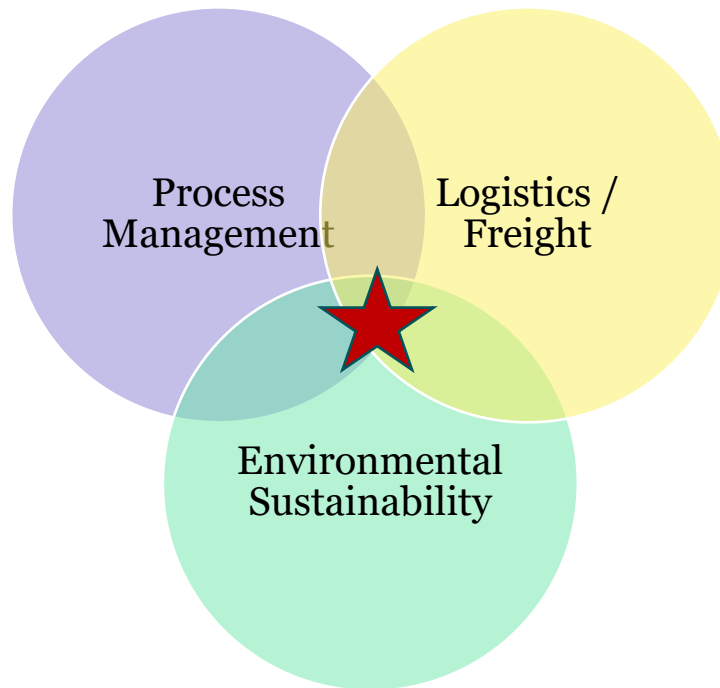
# Starting points for collaboration

What?

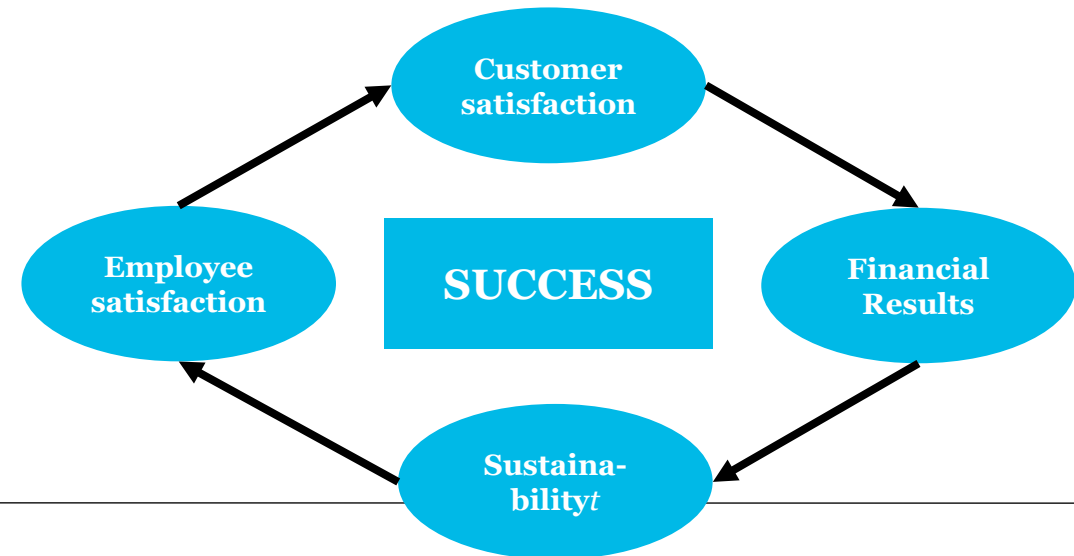


How?

Process management for greener freight



- 8 year collaboration
- Linköping University
- Malmö LBC
- (Alfredsson Transport AB)
- Action Research

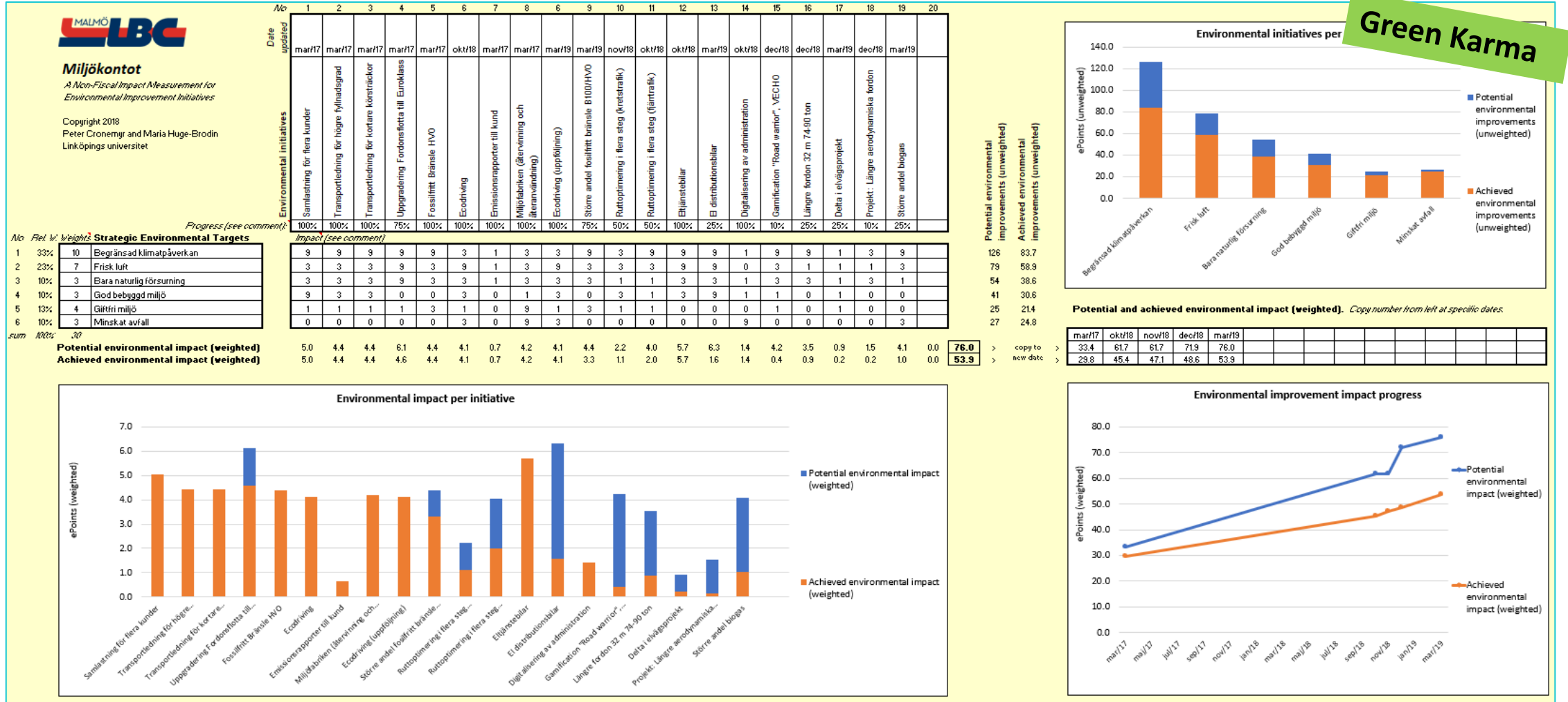


*SIQ Management Model*

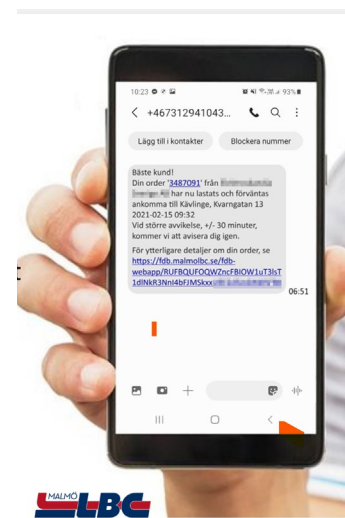
# Strategic Management Model at MLBC



# Outcomes from the collaboration: Innovation for greener freight! But first: a model!



# Outcomes from the collaboration: Innovation for greener freight – IRL towards "Green Karma"



## Green initiatives Coca Cola

- increased no of LBG Trucks
- change from Diesel to HVO 100
- electric heavy truck distribution
- route optimization – Über Logistics



## Green Initiatives Martin & Servera

- increased no of CBG Trucks
- electric truck night distribution
- E-cargobikes city center logistics

# Gains from the collaboration

## MLBC

- ✓ 1st transport company in Sweden in SBT (Science Based Targets)
- ✓ Eco Vadis bronze
- ✓ "Outstanding!" (ISO-auditor)
- ✓ Main take-away: instrumental to secure & maintain business deals and gain new
- ✓ Societal satisfaction
- ✓ Dynamic capabilities
- ✓ Process development
- ✓ Growth

## LiU research

- ✓ Great insight in green logistics development over long time
- ✓ Publications and conferences
- ✓ 1 PhD! (1 december 2023)
- ✓ Good examples into teaching → logistics leaders of the future

**Overall: Improved environmental development and encouragement from progression.**



# Challenges for future development

(Swedish perspective)

- Overall: to go from plan to action!
- New technologies (electrification) require much more collaboration and efforts
- Reporting – takes time and efforts; fair representation can be tricky for improvements
- Social sustainability – increasing importance



# Thanks for your attention!

## Questions?

[maria.huge-brodin@liu.se](mailto:maria.huge-brodin@liu.se)

[anders.n.jonsson@live.se](mailto:anders.n.jonsson@live.se)