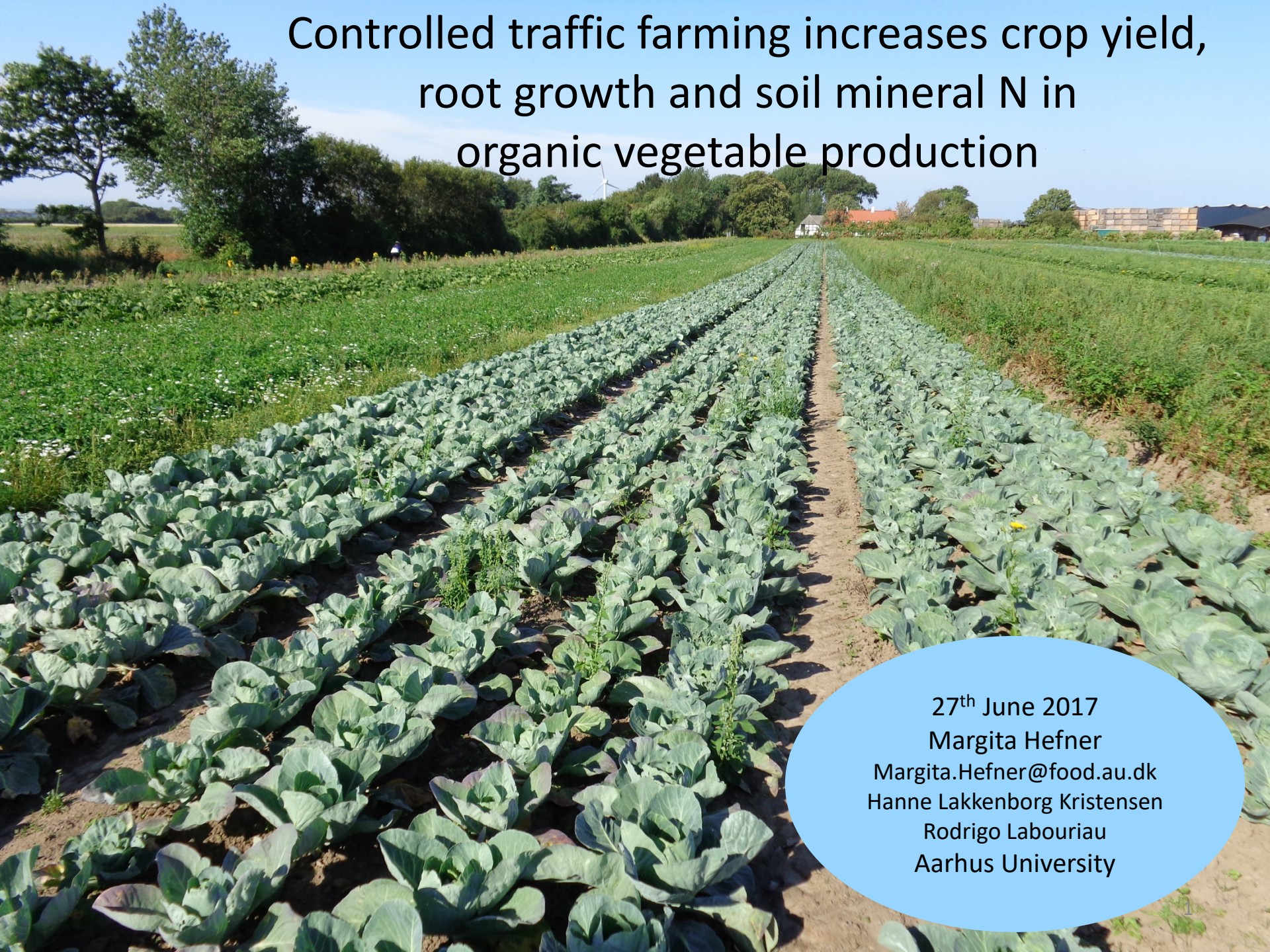


Controlled traffic farming increases crop yield, root growth and soil mineral N in organic vegetable production



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Margita Hefner

Margita.Hefner@food.au.dk

Hanne Lakkenborg Kristensen

Rodrigo Labouriau

Aarhus University

Methods



Crops:

- White Cabbage
- Potato
- Beetroot

Treatments:

- Controlled Traffic Farming (CTF)
- Random Traffic Farming (RTF)

Parameters:

- Crop nitrogen (N) accumulation
- Soil mineral N
- Crop root growth

Conclusion

CTF improved vegetable production compared to RTF by increase of:

- soil mineral N availability in spring
- crop N accumulation
- crop yields (23-70%)
- root proliferation in cabbage