

Zero-Emission Food Chain

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STØTTET AF
Planteafgiftsfonden



SEGES
INNOVATION

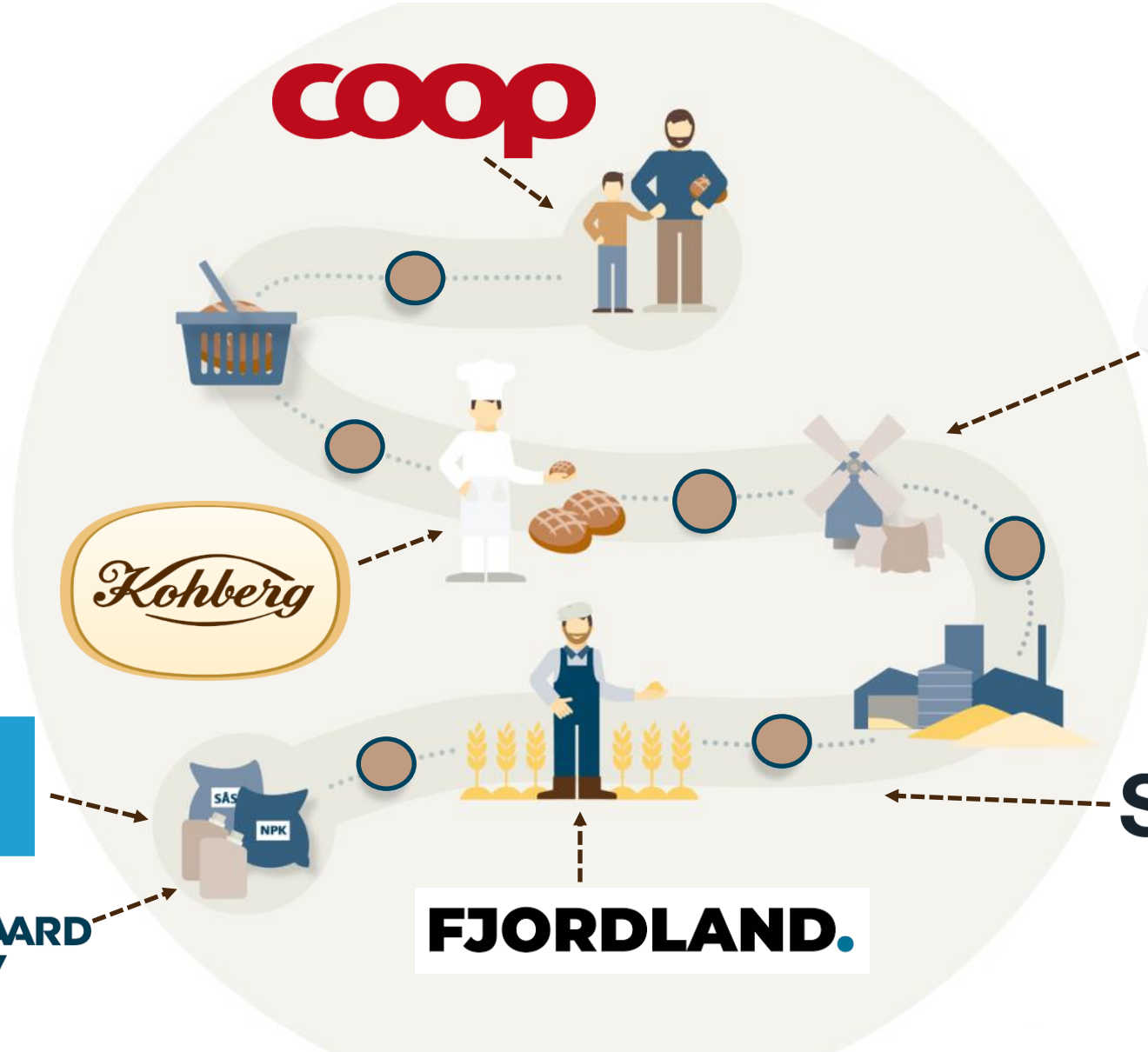
Agenda

- The vision behind the project
- The short version of the ZERO-project
- Current experiences
- Perspectives for the future

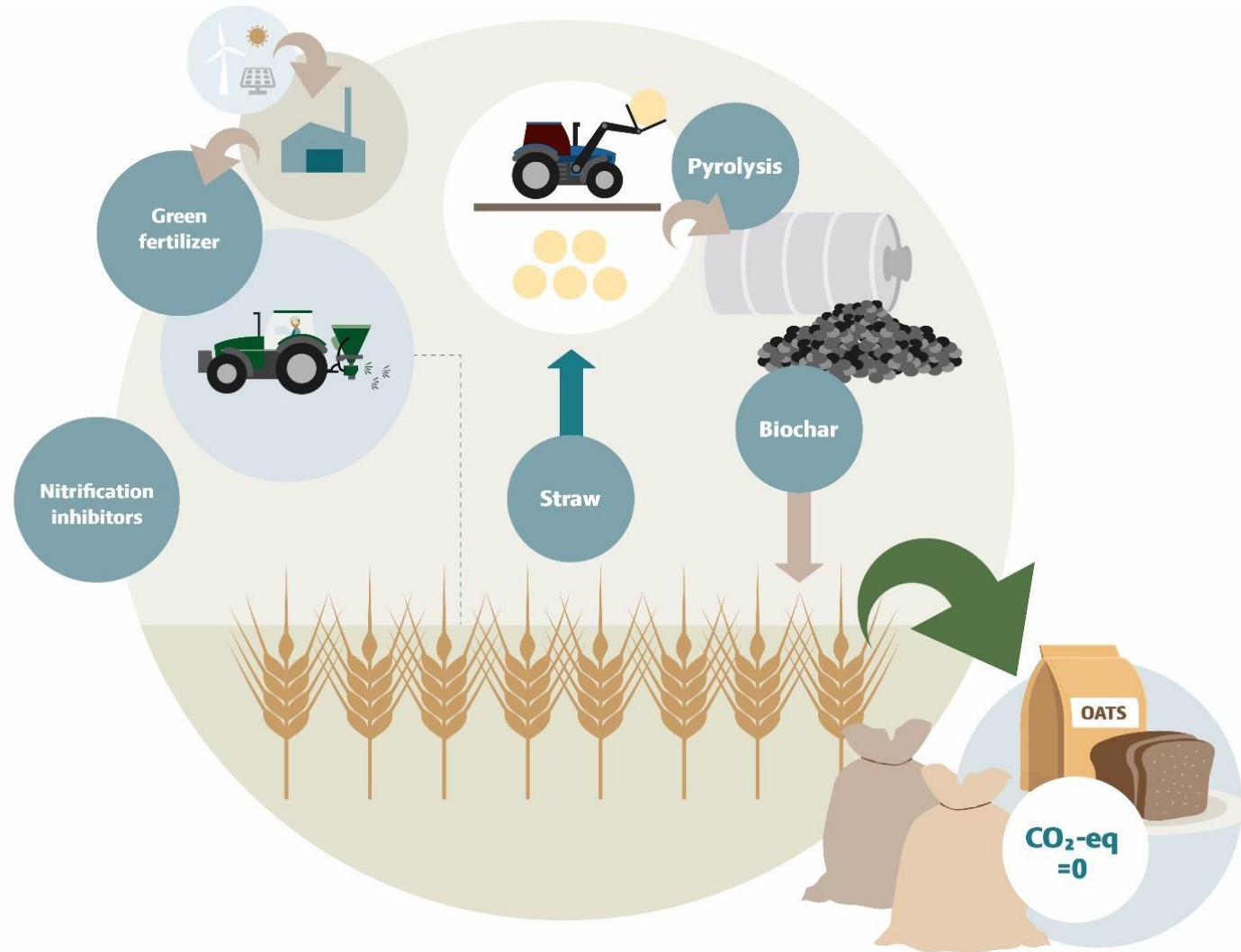
The vision

We aim to gather actors across an entire food value chain and together create the first climate neutral food products: ryebread and oats

A partnership across the value chain



The climate neutral food system



Timeline

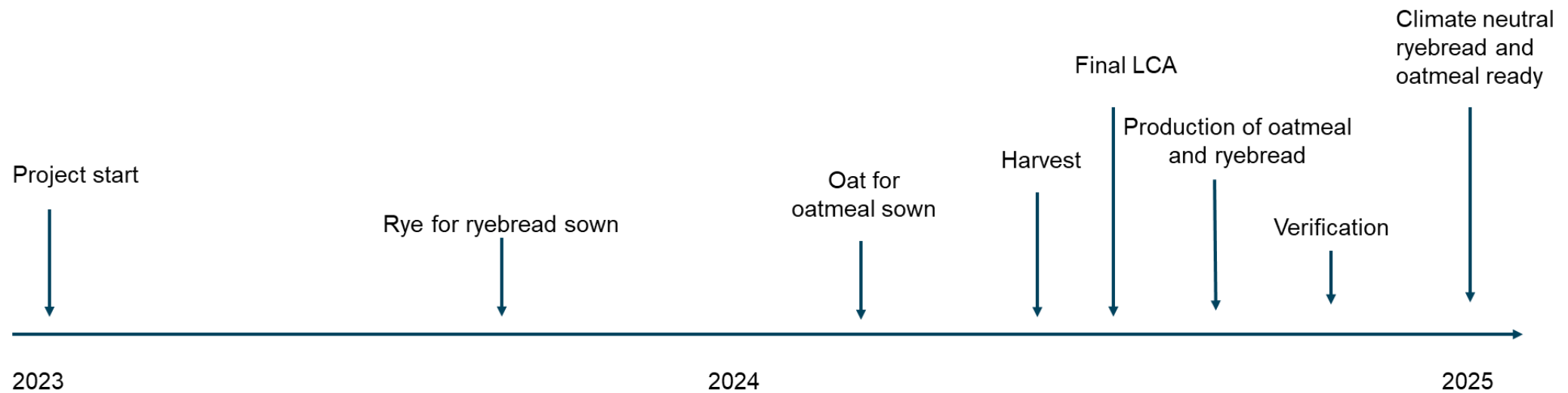




Foto: Christian Rathcke Tegglund

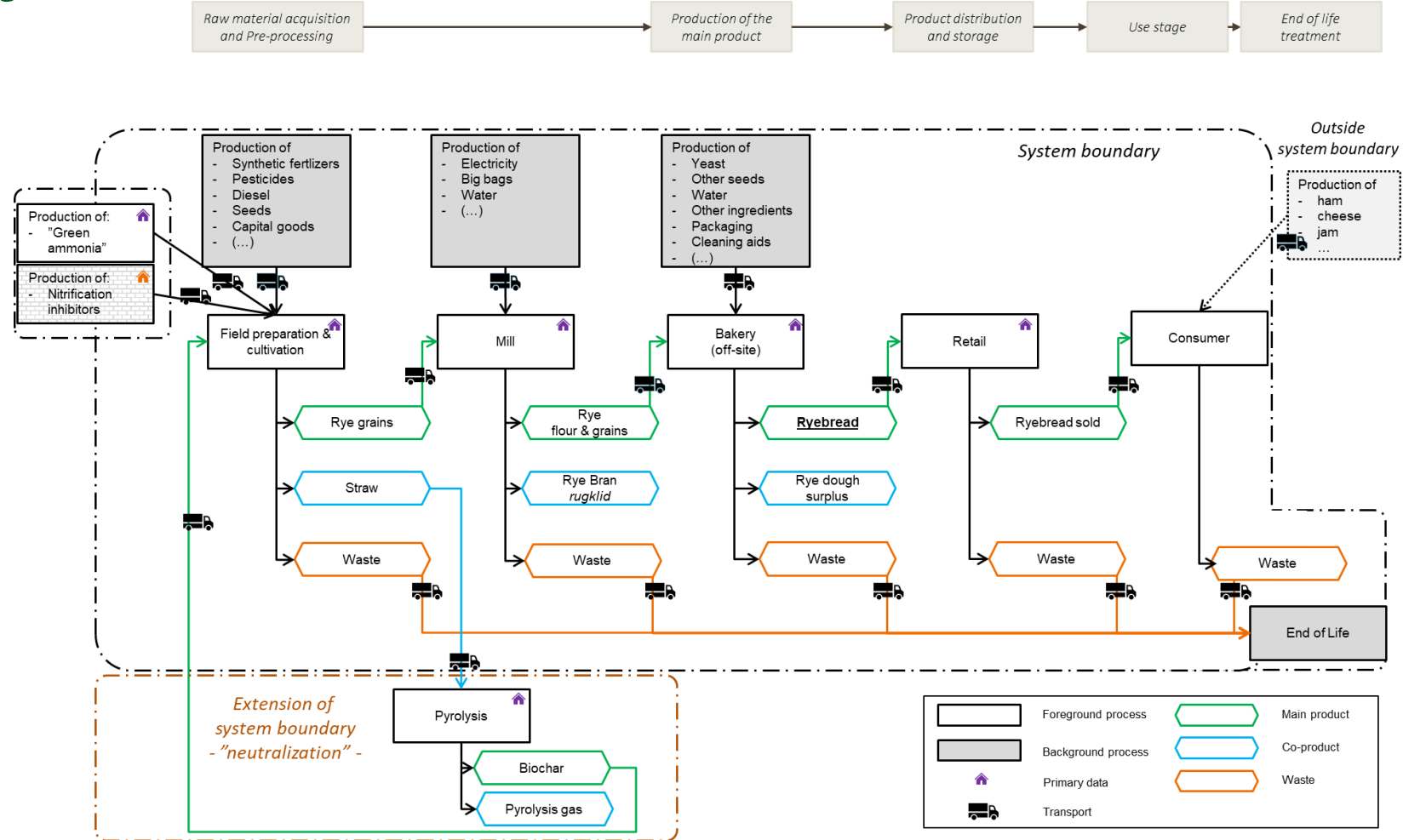
Life cycle assessment

- System boundaries
- PEF (Product Environmental Footprint)
- Primary data is collected throughout the project
- The climate footprint is calculated for the products
- Verified by an independent third party



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Experiences and challenges

LCA is complex and comprehensive

- Large demands on data
- The PEF method was not developed specifically for food
- Method for climate neutrality
- Emission factors

Everyone in the value chain must deliver to achieve neutrality - it's a joint effort

We will reach the climate neutrality in the long run: we will do it now!

Perspectives

- ZERO can show a way to the transformation of food production towards climate neutrality
- When new climate measures become available, they can easily be included in the system
- Still need for research and development in the area



Final remarks

The climate-neutral food system

- Ensures that reductions occur where the production takes place
- Requires collaboration across the food value chain
- All possible reductions must be implemented
- Biochar is an essential element in achieving climate neutrality

Demand for climate-neutral products

- Essential for the viability of the system
- Communication is difficult and essential