



Danish Crown

Sustainability

“Climate change and sustainability mitigation efforts”

October 2023

Morten Pedersen

Climate change and sustainability mitigation efforts



License to Sell

Customers and consumers are setting a new agenda
- shifting their spending toward products with ESG-related claims



License to Operate

New legal requirements and the political agenda puts significant demands on ESG within our operational set up



License to Finance

ESG ratings and performance will be vital for access to capital in the future – with a poor score we risk lack of funding

Climate change and sustainability mitigation efforts



SCIENCE
BASED
TARGETS



GREENHOUSE
GAS PROTOCOL

In the , Japan emerged as a leader, with more companies setting targets there than in any other country throughout the year.

Companies with science-based targets represented 40% of the NIKKEI index by the end of 2022.



Our Validated Decarbonization Roadmap

Our key initiatives



PRODUCTION

Decarbonize our electricity consumption and investigate future biogas options.



FARM LEVEL

Reduce farm-level emissions from all animals in Denmark, Sweden, Germany and Poland.



LOGISTICS

Work together with our logistic providers to deliver CO₂e emission reductions.



SOURCING

Establish Supplier engagement for our key suppliers.

Reduction projections towards 2030

2020

2030

2050

Scope 1+2

Scope 3



Ramping up our ambitions with our new baseline:

Our SBTi target expands the scope of our existing 2030 target.

↓42%

Scope 1+2

Danish Crown commits to reduce absolute Scope 1 and 2 GHG emissions 42% by 2030 from a 2020 base year.

↓20%

Scope 3

Danish Crown commits to reduce Scope 3 GHG emissions 20% per kg of output produced by 2030 from a 2020 base year

Climate
Neutrality

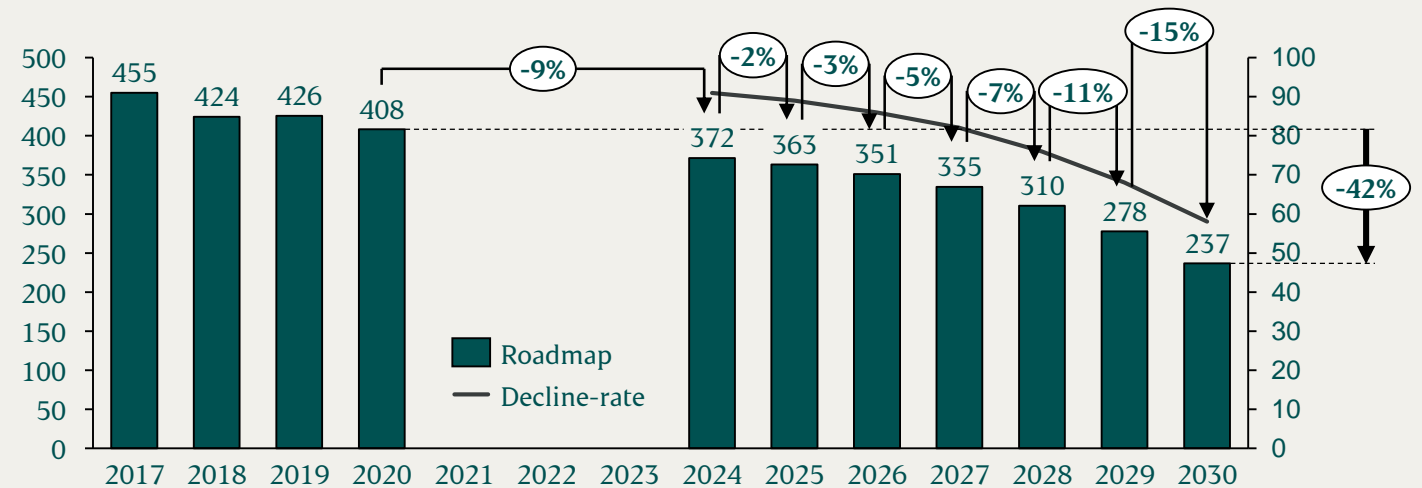
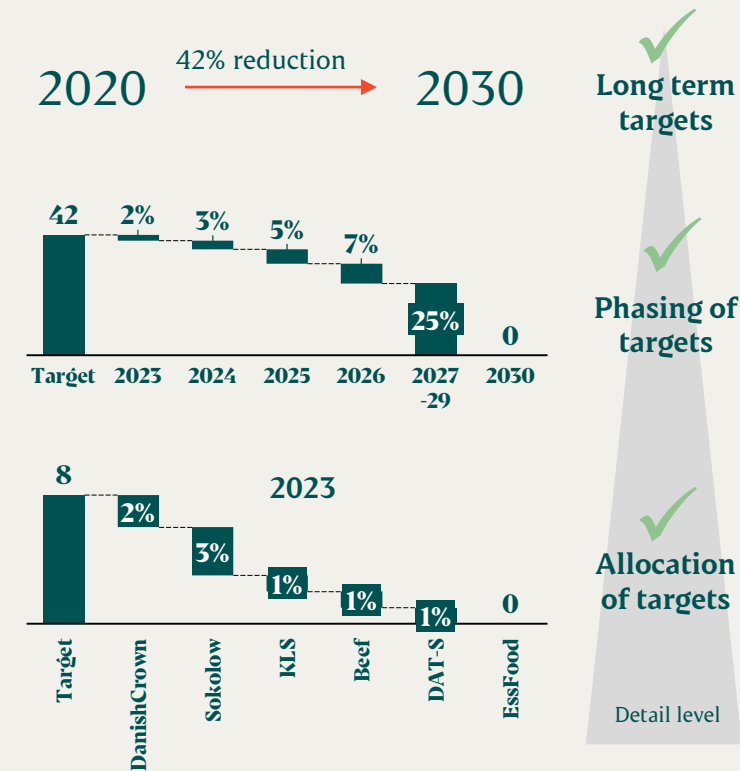
93% of Danish Crown's emissions originate from the farm level

overview and transparency of this end of the value chain is crucial



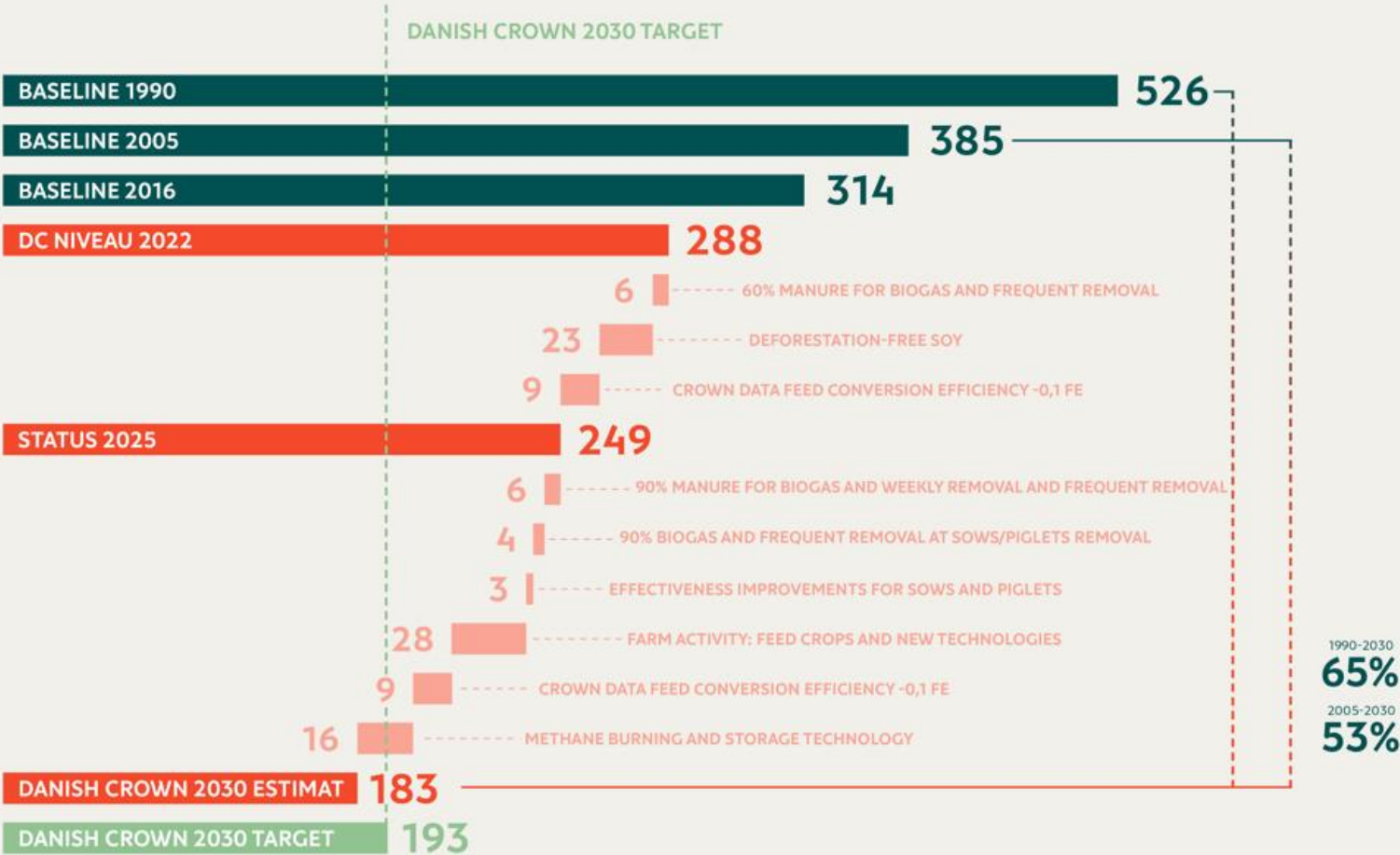
Our approved SBTi roadmap includes several activities incl. sub-goals defined for the entire value chain

Breakdown of targets an aligned ambition across group



Beside phasing of the target, we have also allocated the target between the Business Units, and we have a strong pipeline of initiatives within Scope 1&2, and from Danish Crown Group level we are deploying cross cutting initiatives

Our approved SBTi roadmap includes several activities incl. sub-goals defined for the entire value chain



Example:
One of our
road maps –
Danish Pigs

Co2 eq/pig 1990, 2005, 2016 based on Aarhus University reports.
DC level 2022 based on DK farmers and slaughter data. Updated Feb. 2023.

*50% inclusion of the 90% implementation due to uncertainty about baseline level & independent producers of piglets outside DC.
**nitrification inhibitors, "Green fertilizer", biochar & N2O reductions in the field (Zero Emission Project).

Manure storage: Reduction of methane emissions



Danish Crown is supporting a Methane Combustion project, where a small upstart company is developing a methane burner, combustion requires high methane concentration:

- Tight tent covering of slurry tank
- Possible support gas during the winter period
- Methane is burned to CO_2

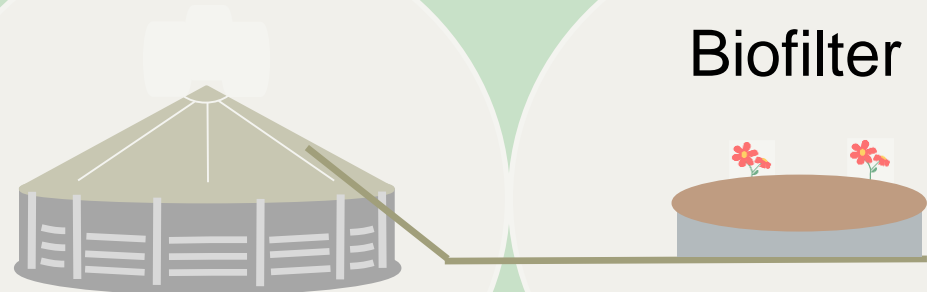
Combustion



Danish Crown is supporting a Biofilter project, where DTU (Technical University of Denmark) is testing biofilter by slurry tanks:

- 1 meter of compost as a biofilter
- Tight tent covering of slurry tank
- Methane-consuming bacteria in the compost oxidize methane to CO_2

Biofilter

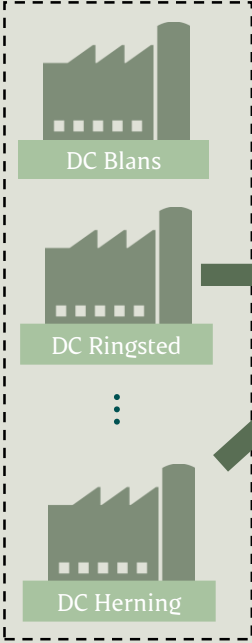


Example | With the CFP model, Danish Crown can document the carbon footprint of all products from farm to fork

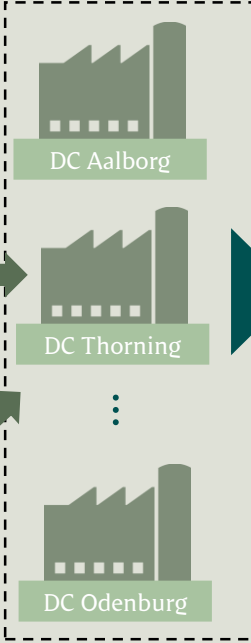
THE FARMS



ABATTOIRS



PROCESSING



PRODUCT MODULE

Example:
We can use Company X's specific recipe on pepperoni and calculate the specific footprint.

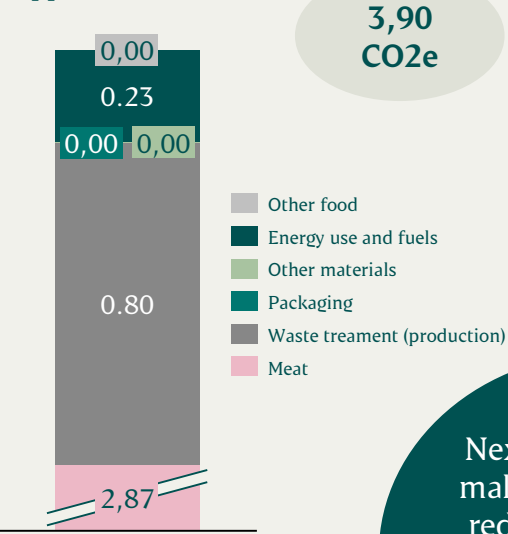
Recipe (dummy):
Primary data:
Pork meat: 73,5%
Pork fat: 20%

Secondary data:
Salt: 0,5%
Spice mix (cayenne pepper, sweet paprika, anise seed, garlic): 5%
Other ingredients: 1%



CO2e CALCULATIONS

Pepperoni, CO2e:



Next step is to make the CO2e reduced Pizza together with our customers' supplier of cheese



Thank you.



Contact details:

Morten Pedersen, VP Sustainability

Danish Crown

Email: mope@danishcrown.com

LinkedIn: [Danish Crown - Morten Pedersen](#) | [LinkedIn](#)



Upcoming opportunities to further talks

I will be in Japan 13. Nov. to 17. Nov. 2023, if you have further questions then we can plan a meeting

Additional I will participate in SB2024 Tokyo in February 2024



And hopefully Danish Crown will see you at World Expo in Osaka 2025

And we can always arrange an online meetings if needed