

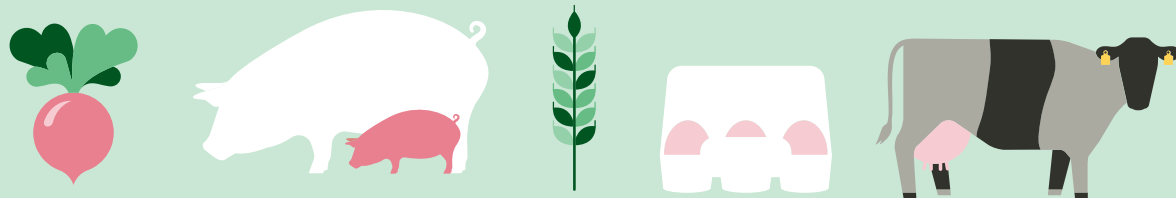
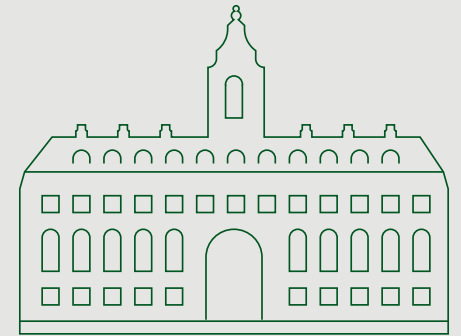
Ida ML Drejer Storm
Director, Dairy & Cattle Production
ims@lf.dk

Danish perspectives on implementation of GHG regulation

Danish Agriculture & Food Council



What we do in the
**Danish Agriculture &
Food Council
(DAFC)**



Sample of DAFC members



Vilomix

Agro



**Marine Ingredients
Denmark**



adding value
to the green world

Orkla



DNA-DIAGNOSTIC®



Lihme Protein Solutions

WBG-Pooling®



DANISH CROWN



Danske Bank

unibio



Danpo

VIKING

novonesis



DFO | Dansk Flavour
Organisation

Carlsberg

Danish Agro



Emmelev A/S

Essentia
Protein Solutions

DFO | Dansk Flavour
Organisation

Nordea

HKSCAN



Vitfoss



KERRY

AP
Pension

OVODAN
FOODS A/S

tican

DAVA Foods



ANDRITZ
Feed & Biofuel



Nordic Sugar
Member of Nordzucker Group

FIPROS
FOOD INDUSTRY PROCESSING SERVICES

JYSKE BANK

DLF



KMC
LET'S TAKE FOOD FORWARD

HAMLET

PROTEIN

lactosan

Thise

CrispyFood®
NORDIC



FOSS

DANÆG

Royal Greenland



EINAR WILLUMSEN
When taste and speed matter



The burning platform

- A majority in the Danish Parliament is in favor of a climate tax on Agriculture
- The Agriculture and Food cluster must deliver on Climate targets like other sectors
- A massive media pressure on Agriculture and criticism of the Climate and Environmental impact from food production
- Massive cases of oxygen depletion in the fjords and sea around Denmark



Themes of the Green Agreement



CO2e-tax on the Danish agricultural sector



Forestry



Drinking water



Nature and biodiversity

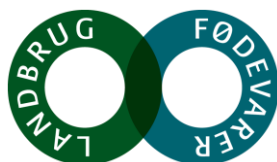


River basin management plans (RBMPs)

*As integral components of the individual themes, the negotiations also encompass the overarching topics of **green development of the agricultural industry** and **area planning**.*

The Green Tripartite Agreement

- Multi stakeholder approach → Including private organizations, public institutions and ministries
- Many meetings, expert reports and study tours



The Government



CONCITO
DANMARKS GRØNNE TÆNKETANK



The results of the Green Agreement

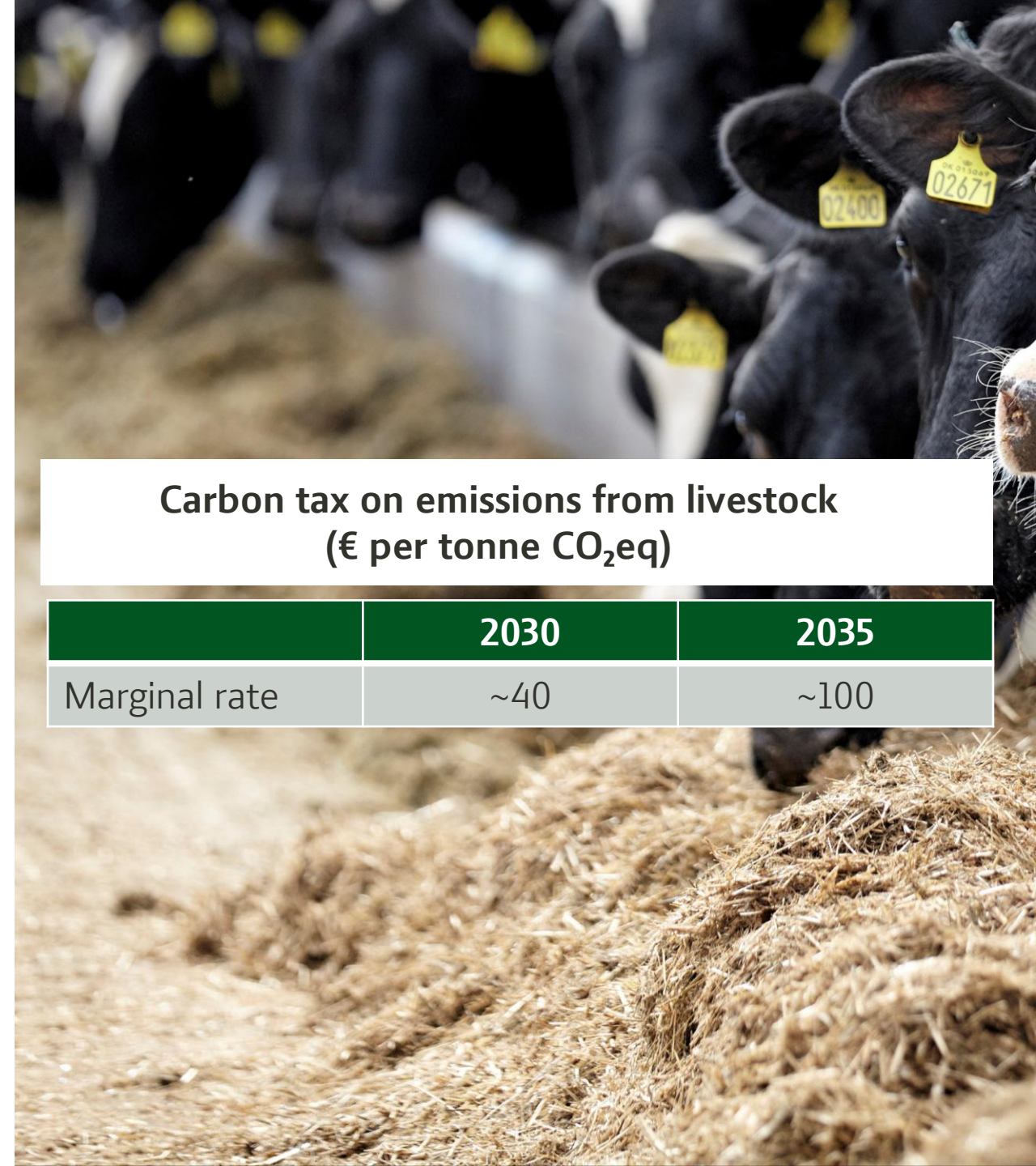




Area planning targets in the agreement

Purpose	Area in hectares (ha)
Peat land (70 +70)	140.000
Afforestation	250.000

NB: The total arable area in Denmark is 2.5 mio. hectares



Carbon tax on emissions from livestock
(€ per tonne CO₂eq)

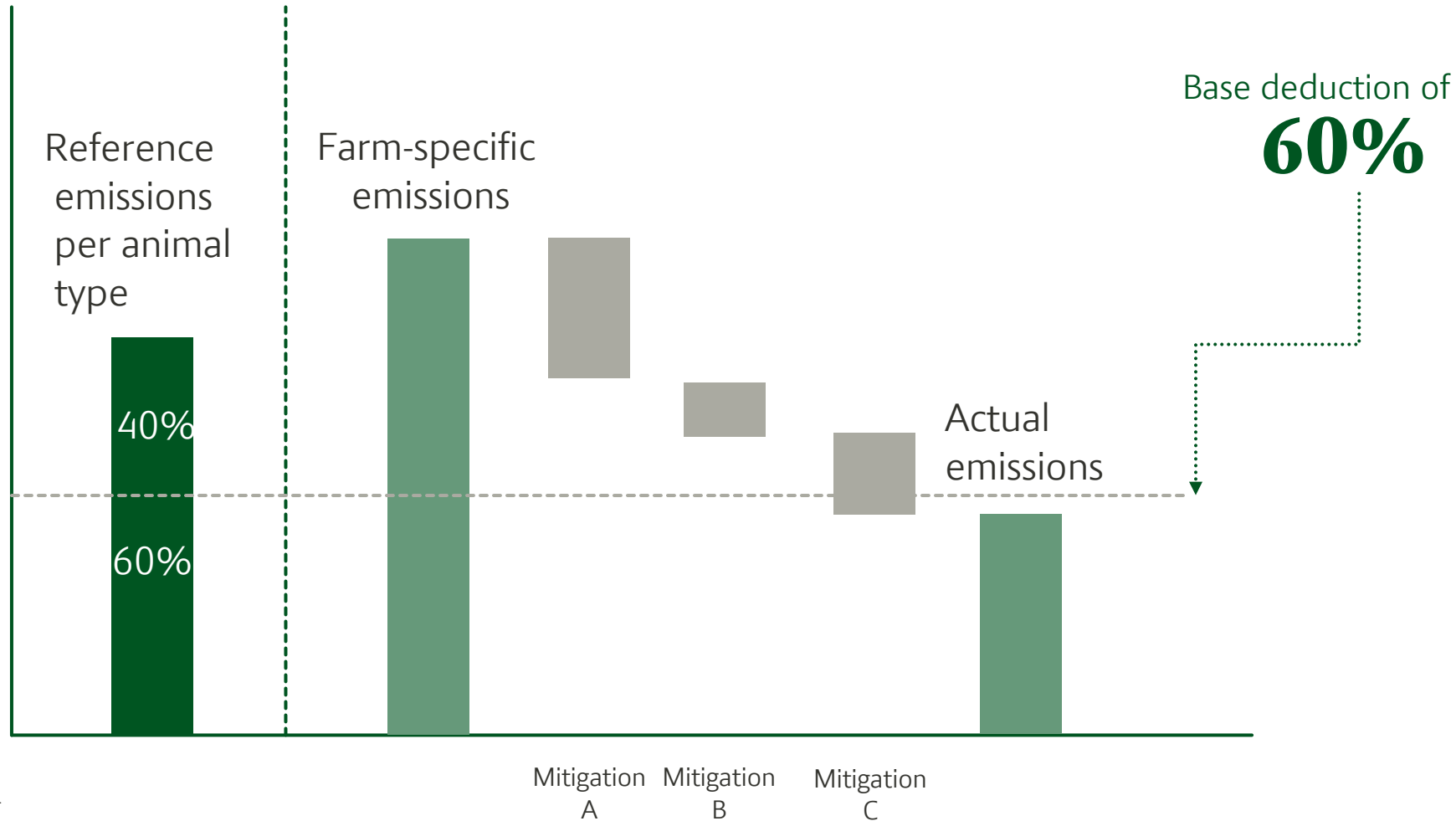
	2030	2035
Marginal rate	~40	~100



Carbon tax on livestock

- Carbon tax on CO₂-eq from livestock starting in 2030
- 60 percent base deduction
 - Possible for the most climate effective farmer to avoid the carbon tax by lowering emissions to the level of the base deduction
- Base deduction fixed in DKK per livestock.
- The revenue from the carbon tax goes back to the agricultural sector for green investments.
- Revision of carbon tax in 2032. Focus on impact on competitiveness, EU regulation, climate technologies.

Investments may enable a reduction or full elimination of the tax burden



Technologies

- An important premise for the tripartite
- A wide range of technologies is needed
- Must be tested, validated and ready before 2030
- Cost-effectiveness is a key factor
- Possible side-effects must be identified
- Sufficient control – reliable effects are vital



Fast out of barn – technology available

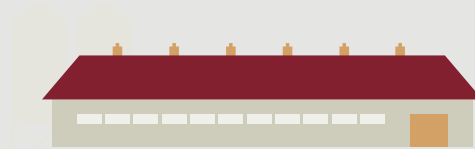
Digestion



Examples of mitigation measures

- Fat
- Feed additives
- Grazing?
- Breeding?

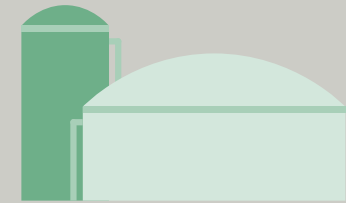
On-site manure management



Examples of mitigation measures

- Barn (floor, ringkanal, skraber etc.)
- Slurry acidification
- Number of days grazing
- Frequent discharge
- Manure scraper winch

Storage



Examples of mitigation measures

- Biogas
- Low-dose slurry acidification during storage
- Flare combustion
- Biological oxidation in compost filter



Challenges in implementation



- New mitigation measures!



- Documentation for effect and costs – under actual application conditions



- Good incentive models

**Farmers – Companies – Government
- in close cooperation**